

Energy generated (GWh) at CVP San Luis: CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19.97	50.94	48.91	15.44	0.00	135
1923	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	7.74	41.33	46.32	30.93	16.42	0.00	143
1924	Critical	0.00	0.00	0.00	0.00	16.05	3.74	1.92	7.87	19.70	9.39	17.40	4.87	81
1925	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.66	58.85	41.06	34.98	0.00	161
1926	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	36.25	52.07	31.14	34.71	9.77	164
1927	Wet	0.00	0.00	0.00	0.00	0.00	0.00	8.18	43.75	54.14	41.40	11.15	0.00	159
1928	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	1.35	35.94	52.24	49.96	10.78	0.00	150
1929	Critical	0.00	0.00	0.00	0.00	0.00	8.31	17.03	23.20	35.07	21.94	25.18	0.00	131
1930	Dry	0.00	0.00	0.00	0.00	0.00	0.00	9.95	24.53	51.08	43.19	26.87	0.00	156
1931	Critical	0.00	0.00	0.00	0.00	2.71	0.00	7.46	9.54	14.65	8.74	19.44	0.00	63
1932	Dry	0.00	0.00	0.00	0.00	0.00	11.88	8.38	25.13	25.22	18.90	6.00	0.00	96
1933	Critical	0.00	0.00	0.00	0.00	0.00	9.61	9.60	17.92	29.07	10.57	14.38	0.00	91
1934	Critical	0.00	0.00	0.00	0.00	0.00	8.08	12.19	22.83	32.37	16.28	25.41	5.46	123
1935	Below Normal	5.38	0.00	0.00	0.00	0.00	0.00	0.00	43.92	31.70	36.16	20.28	0.00	137
1936	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19.29	45.61	39.86	25.78	0.00	131
1937	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	55.43	47.25	19.24	0.00	122
1938	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	46.32	53.18	32.28	0.00	132
1939	Dry	0.00	0.00	0.00	0.00	0.00	0.00	15.35	35.25	40.25	24.67	21.92	0.00	137
1940	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	4.86	31.52	45.67	39.63	5.76	0.00	127
1941	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.42	49.67	46.91	12.45	0.00	123
1942	Wet	0.00	0.00	0.00	0.00	0.00	0.00	10.84	35.01	45.20	44.72	13.60	0.00	149
1943	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	31.93	69.01	42.32	18.17	0.00	161
1944	Dry	0.00	0.00	0.00	0.00	0.00	0.00	13.37	27.29	37.84	38.84	25.76	0.00	143
1945	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	9.84	37.41	50.29	25.36	16.64	0.00	140
1946	Below Normal	0.00	0.00	0.00	0.00	1.94	0.00	12.03	26.77	31.11	33.83	5.87	0.00	112
1947	Dry	0.00	0.00	0.00	0.00	0.00	0.00	16.04	48.30	31.64	31.99	20.31	0.00	148
1948	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	37.41	41.27	28.97	15.87	0.00	124
1949	Dry	0.00	0.00	0.00	0.00	0.00	0.00	20.88	37.99	41.25	28.45	17.02	0.00	146
1950	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	39.27	32.18	39.67	1.56	0.00	113
1951	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	8.82	50.45	55.29	50.73	6.21	0.00	171
1952	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	46.20	64.58	33.97	0.00	145
1953	Wet	0.00	0.00	0.00	0.00	0.00	16.26	5.58	36.28	53.34	31.70	11.06	0.00	154
1954	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	8.16	43.31	51.99	41.30	8.23	0.00	153
1955	Dry	0.00	0.00	0.00	0.00	0.00	0.00	14.89	26.27	40.03	20.48	35.40	0.00	137
1956	Wet	0.00	0.00	0.00	0.00	0.00	0.00	1.11	21.80	41.27	40.31	11.26	0.00	116
1957	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	5.49	36.54	50.94	29.43	13.60	0.00	136
1958	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.71	45.80	70.48	31.44	0.00	152
1959	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	19.41	36.03	43.69	31.75	17.23	0.00	148
1960	Dry	0.00	0.00	0.00	0.00	0.00	0.00	9.16	18.88	21.94	23.87	13.72	0.00	88
1961	Dry	0.00	0.00	0.00	0.00	0.00	0.00	23.23	43.49	41.11	27.82	5.57	0.00	141
1962	Below Normal	6.58	0.00	0.00	0.00	0.00	0.00	12.33	43.23	31.61	23.04	5.70	0.00	123
1963	Wet	0.00	0.00	0.00	0.00	0.00	0.00	1.30	40.16	57.28	42.81	11.60	0.00	153
1964	Dry	0.00	0.00	0.00	0.00	0.00	0.00	11.18	21.97	22.95	28.87	19.59	0.00	105
1965	Wet	0.00	0.00	0.00	0.00	0.00	0.00	4.30	45.15	55.96	32.23	11.19	0.00	149
1966	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	14.14	54.51	52.98	35.78	9.15	0.00	167
1967	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.97	45.93	28.76	34.96	0.00	115
1968	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	15.98	38.08	48.15	26.21	15.88	0.00	144
1969	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	46.34	28.79	33.91	0.00	109
1970	Wet	0.00	0.00	0.00	0.00	0.00	0.00	5.79	48.69	54.15	40.23	7.18	0.00	156
1971	Wet	0.00	0.00	0.00	0.00	0.00	0.00	6.47	35.95	38.76	34.71	6.57	0.00	122
1972	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	21.45	55.12	49.80	40.62	7.34	0.00	174
1973	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	10.29	40.17	51.84	30.78	17.34	0.00	150
1974	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	39.03	59.46	41.06	17.52	0.00	157
1975	Wet	0.00	0.00	0.00	0.00	0.00	0.00	8.19	44.57	57.28	35.94	8.33	0.00	154
1976	Critical	0.00	0.00	0.00	0.00	0.00	0.00	11.68	33.08	43.56	24.38	30.80	5.60	149
1977	Critical	0.00	0.00	0.00	0.00	0.62	3.67	5.06	13.41	18.34	0.00	4.90	0.00	46
1978	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	8.71	49.21	49.21	52.54	20.15	0.00	131
1979	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	12.89	23.98	53.61	33.56	17.79	0.00	142
1980	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.80	55.97	43.94	19.51	0.00	150
1981	Dry	0.00	0.00	0.00	0.00	0.00	0.00	15.74	41.77	53.65	26.64	12.29	0.00	150
1982	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	46.72	64.96	30.17	0.00	142
1983	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	46.45	29.61	20.10	0.00	96
1984	Wet	0.00	0.00	0.00	0.00	0.00	0.00	13.28	58.37	51.65	38.22	7.18	0.00	169
1985	Dry	0.00	0.00	0.00	0.00	0.00	0.00	17.07	31.78	39.55	20.34	5.96	0.00	115
1986	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19.53	92.81	6.82	0.00	119
1987	Dry	0.00	0.00	0.00	0.00	0.00	0.00	18.07	30.80	39.51	20.32	35.29	0.00	144
1988	Critical	0.00	0.00	0.00	0.00	0.00	13.26	7.77	20.58	24.09	15.74	25.97	0.00	107
1989	Dry	0.00	0.00	0.00	0.00	2.71	0.00	2.39	24.74	24.69	24.01	16.21	0.00	95
1990	Critical	0.00	0.00	0.00	0.00	0.00	0.00	12.17	15.04	27.90	8.67	23.14	1.74	89
1991	Critical	0.00	0.00	0.00	0.00	0.00	0.00	13.24	16.68	34.65	12.82	15.66	0.00	93
1992	Critical	0.00	0.00	0.00	0.00	0.00	0.00	10.08	36.68	49.02	35.05	33.19	0.00	164
1993	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	39.89	40.29	34.36	17.25	0.00	132
1994	Critical	0.00	0.00	0.00	0.00	0.00	0.00	20.36	33.51	47.92	22.62	6.04	0.00	130
1995	Wet	1.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	45.90	32.99	34.08	0.00	114
1996	Wet	0.00	0.00	0.00	0.00	0.00	0.00	2.82	27.93	72.97	40.90	16.23	0.00	161
1997	Wet	0.00	0.00	0.00	0.00	0.00	0.00	13.85	35.51	54.59	34.02	12.33	0.00	150
1998	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	45.95	32.79	34.94	0.00	114
1999	Wet	0.00	0.00	0.00	0.00	0.00	0.00	8.22	51.95	55.35	34.81	10.70	0.00	161
2000	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	3.05	50.17	53.77	37.07	10.17	0.00	154
2001	Dry	0.00	0.00	0.00	0.00	0.00	0.00	11.91	25.72	46.41	25.75	30.59	4.74	145
2002	Dry	0.00	0.00	0.00	0.00	1.29	0.00	16.13	38.76	42.48	28.21	13.28	0.00	140
2003	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	3.37	27.35	37.55	33.00	0.18	0.00	101
Average		0	0	0	0	0	1	7	29	44	34	18	0	133
Wet		0	0	0	0	0	1	3	24	50	43	18	0	140
Above Normal		0	0	0	0	0	0	4	35	50	41	12	0	141
Below Normal		1	0	0	0	0	0	9	35	44	34	14	0	137
Dry		0	0	0	0	0	1	12	31	39	28	21	1	134
Critical		0	0	0	0	2	4	11	21	31	16	20	1	106

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Energy generated (GWh) at CVP San Luis: CP1_2020

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19.95	51.02	49.04	15.56	0.00	136
1923	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	6.91	37.56	43.10	24.31	17.96	0.00	130
1924	Critical	0.00	0.00	0.00	0.00	0.00	4.60	2.41	10.79	17.61	5.66	21.23	0.00	62
1925	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.71	57.99	40.13	34.13	0.00	160
1926	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.30	53.10	33.98	36.48	1.52	155
1927	Wet	0.00	0.00	0.00	0.00	0.00	0.00	8.18	48.61	53.74	28.30	10.37	0.00	149
1928	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	1.34	34.89	50.77	46.03	12.93	0.00	146
1929	Critical	0.00	0.00	0.00	0.00	0.00	9.90	18.84	24.58	35.16	15.45	26.70	0.00	131
1930	Dry	0.00	0.00	0.00	0.00	0.00	0.00	10.09	24.69	49.50	30.79	38.88	0.00	154
1931	Critical	0.00	0.00	0.00	0.00	0.00	0.00	8.14	11.08	18.84	9.70	21.14	0.00	69
1932	Dry	0.00	0.00	0.00	0.00	0.00	12.38	8.84	25.97	26.55	20.16	6.95	0.00	101
1933	Critical	0.00	0.00	0.00	0.00	0.00	9.61	9.60	17.93	29.07	10.59	14.57	0.00	91
1934	Critical	0.00	0.00	0.00	0.00	0.00	8.17	12.30	22.99	32.62	16.53	25.54	7.04	125
1935	Below Normal	5.52	0.00	0.00	0.00	0.00	0.00	0.00	43.70	31.73	35.89	19.89	0.00	137
1936	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.18	44.10	41.28	22.44	0.00	126
1937	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.13	46.14	19.06	0.00	119
1938	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	46.32	53.19	32.30	0.00	132
1939	Dry	0.00	0.00	0.00	0.00	0.00	0.00	16.08	29.83	41.80	25.55	22.50	0.00	136
1940	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	4.95	31.66	45.89	39.86	5.86	0.00	128
1941	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.34	49.35	46.48	18.39	0.00	129
1942	Wet	0.00	0.00	0.00	0.00	0.00	0.00	10.84	35.01	45.21	44.82	13.85	0.00	150
1943	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	32.15	68.94	42.13	18.13	0.00	161
1944	Dry	0.00	0.00	0.00	0.00	0.00	0.00	14.83	28.81	34.02	35.46	23.28	0.00	136
1945	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	9.88	38.02	49.25	25.01	16.31	0.00	138
1946	Below Normal	0.00	0.00	0.00	0.00	5.51	0.00	12.62	27.56	31.77	24.25	9.62	0.00	111
1947	Dry	0.00	0.00	0.00	0.00	0.00	0.00	15.51	47.26	35.16	28.97	18.45	0.00	145
1948	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	39.14	44.33	30.57	10.53	0.00	125
1949	Dry	0.00	0.00	0.00	0.00	0.00	0.00	20.85	38.05	41.93	28.63	16.94	0.00	146
1950	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.66	33.96	41.94	2.68	0.00	104
1951	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	8.82	38.21	52.65	57.18	8.95	0.00	166
1952	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	46.20	64.58	33.97	0.00	145
1953	Wet	0.00	0.00	0.00	0.00	0.00	16.29	5.58	36.24	53.16	31.46	11.09	0.00	154
1954	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	8.16	43.32	51.95	40.67	8.20	0.00	152
1955	Dry	0.00	0.00	0.00	0.00	0.00	0.00	15.53	28.23	33.20	15.50	31.54	0.00	124
1956	Wet	0.00	0.00	0.00	0.00	0.00	0.00	1.11	22.13	41.27	40.30	11.22	0.00	116
1957	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	5.46	36.24	49.78	45.28	10.82	0.00	148
1958	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.71	45.80	70.46	31.41	0.00	152
1959	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	19.38	35.91	43.38	31.66	17.32	0.00	148
1960	Dry	0.00	0.00	0.00	0.00	0.00	0.00	9.69	25.99	23.64	25.52	15.08	0.00	100
1961	Dry	0.00	0.00	0.00	0.00	0.00	0.00	24.35	44.33	42.26	26.37	13.45	0.00	151
1962	Below Normal	1.73	0.00	0.00	0.00	0.00	0.00	13.95	41.58	39.53	35.54	5.80	0.00	138
1963	Wet	0.00	0.00	0.00	0.00	0.00	0.00	1.32	41.00	59.42	44.88	12.14	0.00	159
1964	Dry	0.00	0.00	0.00	0.00	0.00	0.00	10.47	24.44	40.77	17.07	14.02	0.00	107
1965	Wet	0.00	0.00	0.00	0.00	0.00	0.00	4.80	48.16	60.94	35.74	13.64	0.00	163
1966	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	14.15	54.47	52.84	35.64	9.11	0.00	166
1967	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.97	45.95	28.81	35.11	0.00	115
1968	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	15.97	38.02	47.93	24.98	15.82	0.00	143
1969	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	46.35	28.84	34.06	0.00	109
1970	Wet	0.00	0.00	0.00	0.00	0.00	0.00	5.77	51.13	57.02	61.47	2.28	0.00	178
1971	Wet	0.00	0.00	0.00	0.00	0.00	0.00	6.49	36.17	39.30	35.07	6.74	0.00	124
1972	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	21.10	53.26	51.44	38.31	1.55	0.00	166
1973	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	10.30	40.15	51.80	30.71	17.17	0.00	150
1974	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	39.03	59.47	41.08	17.52	0.00	157
1975	Wet	0.00	0.00	0.00	0.00	0.00	0.00	8.19	44.26	57.31	36.09	8.35	0.00	154
1976	Critical	0.00	0.00	0.00	0.00	0.00	0.00	10.53	34.44	45.76	24.21	31.05	7.73	154
1977	Critical	0.00	0.00	0.00	0.00	2.74	3.56	4.94	13.42	18.74	0.00	13.41	0.00	57
1978	Above Normal	1.10	0.00	0.00	0.00	0.00	0.00	0.00	8.68	48.72	51.66	19.78	0.00	130
1979	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	12.85	25.11	54.95	34.77	18.24	0.00	146
1980	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.79	55.90	43.76	19.25	0.00	150
1981	Dry	0.00	0.00	0.00	0.00	0.00	0.00	15.66	41.71	52.93	26.36	12.63	0.00	149
1982	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	46.72	64.96	30.15	0.00	142
1983	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	46.45	29.61	20.10	0.00	96
1984	Wet	0.00	0.00	0.00	0.00	0.00	0.00	13.28	58.37	51.65	38.32	7.17	0.00	169
1985	Dry	0.00	0.00	0.00	0.00	0.00	0.00	18.58	33.82	47.64	22.58	5.44	0.00	128
1986	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23.72	87.92	8.98	0.00	121
1987	Dry	0.00	0.00	0.00	0.00	0.00	0.00	16.77	30.32	38.56	22.50	30.61	0.00	139
1988	Critical	0.00	0.00	0.00	0.00	0.00	13.79	8.42	21.51	23.46	14.69	26.33	0.00	108
1989	Dry	0.00	0.00	0.00	0.00	0.00	0.00	1.75	26.99	31.60	30.44	20.66	0.00	111
1990	Critical	0.00	0.00	0.00	0.00	0.00	0.00	12.20	15.05	27.89	9.14	23.08	1.74	89
1991	Critical	0.00	0.00	0.00	0.00	0.00	0.00	14.06	17.79	35.87	13.90	23.06	0.00	105
1992	Critical	0.00	0.00	0.00	0.00	0.00	0.00	10.53	36.15	47.92	33.98	31.12	0.00	160
1993	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	39.94	40.14	34.11	17.23	0.00	131
1994	Critical	0.00	0.00	0.00	0.00	0.00	0.00	19.94	31.39	58.25	18.97	3.92	0.00	132
1995	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	44.70	31.70	31.90	0.00	108
1996	Wet	0.00	0.00	0.00	0.00	0.00	0.00	2.82	27.92	70.74	41.13	16.31	0.00	159
1997	Wet	0.00	0.00	0.00	0.00	0.00	0.00	13.84	33.60	54.36	35.92	11.80	0.00	150
1998	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	45.95	32.79	34.93	0.00	114
1999	Wet	0.00	0.00	0.00	0.00	0.00	0.00	8.22	51.92	55.30	34.79	10.67	0.00	161
2000	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	3.04	49.99	53.14	56.49	8.52	0.00	171
2001	Dry	0.00	0.00	0.00	0.00	0.00	0.00	14.13	28.90	44.56	24.35	28.36	5.21	146
2002	Dry	0.00	0.00	0.00	0.00	0.00	0.00	15.94	39.60	42.24	28.98	9.77	0.00	137
2003	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	5.44	30.10	51.91	30.06	0.00	0.00	118
Average		0	0	0	0	0	1	8	29	45	34	18	0	134
Wet		0	0	0	0	0	1	3	24	51	43	19	0	141
Above Normal		0	0	0	0	0	0	4	34	50	44	12	0	144
Below Normal		1	0	0	0	0	0	9	34	44	34	13	0	135
Dry		0	0	0	0	0	1	13	32	41	27	21	0	135
Critical		0	0	0	0	0	4	11	21	33	14	22	1</	

Difference in Energy generated (GWh) at CVP San Luis: CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	-1	-4	-3	-7	2	0	-1
1924	Critical	0	0	0	0	-16	1	0	3	-2	-4	4	-5	-2
1925	Dry	0	0	0	0	0	0	0	2	-1	-1	-1	0	0
1926	Dry	0	0	0	0	0	0	0	-6	1	3	2	-8	-1
1927	Wet	0	0	0	0	0	0	0	5	0	-13	-1	0	-1
1928	Above Norma	0	0	0	0	0	0	0	-1	-1	-4	2	0	0
1929	Critical	0	0	0	0	0	2	2	1	0	-6	2	0	0
1930	Dry	0	0	0	0	0	0	0	0	-2	-12	12	0	0
1931	Critical	0	0	0	0	-3	0	1	2	4	1	2	0	1
1932	Dry	0	0	0	0	0	0	0	1	1	1	1	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	2	0
1935	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	-1	-2	1	-3	0	0
1937	Below Norma	0	0	0	0	0	0	0	0	-1	-1	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	1	-5	2	1	1	0	0
1940	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	0	0	6	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	1	2	-4	-3	-2	0	-1
1945	Below Norma	0	0	0	0	0	0	0	1	-1	0	0	0	0
1946	Below Norma	0	0	0	0	4	0	1	1	1	-10	4	0	0
1947	Dry	0	0	0	0	0	0	-1	-1	4	-3	-2	0	0
1948	Below Norma	0	0	0	0	0	0	0	2	3	2	-5	0	0
1949	Dry	0	0	0	0	0	0	0	0	1	0	0	0	0
1950	Below Norma	0	0	0	0	0	0	0	-14	2	2	1	0	-1
1951	Above Norma	0	0	0	0	0	0	0	-12	-3	6	3	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	-1	0	0	0
1955	Dry	0	0	0	0	0	0	1	2	-7	-5	-4	0	-1
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	-1	16	-3	0	1
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	1	7	2	2	1	0	1
1961	Dry	0	0	0	0	0	0	1	1	1	-1	8	0	1
1962	Below Norma	-5	0	0	0	0	0	2	-2	8	12	0	0	1
1963	Wet	0	0	0	0	0	0	0	1	2	2	1	0	0
1964	Dry	0	0	0	0	0	0	-1	2	18	-12	-6	0	0
1965	Wet	0	0	0	0	0	0	0	3	5	4	2	0	1
1966	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	-1	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	2	3	21	-5	0	2
1971	Wet	0	0	0	0	0	0	0	0	1	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	0	-2	2	-2	-6	0	-1
1973	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	-1	1	2	0	0	2	0
1977	Critical	0	0	0	0	2	0	0	0	0	0	9	0	1
1978	Above Norma	1	0	0	0	0	0	0	0	0	-1	0	0	0
1979	Below Norma	0	0	0	0	0	0	0	1	1	1	0	0	0
1980	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	-1	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	2	2	8	2	-1	0	1
1986	Wet	0	0	0	0	0	0	0	0	4	-5	2	0	0
1987	Dry	0	0	0	0	0	0	-1	0	-1	2	-5	0	0
1988	Critical	0	0	0	0	0	1	1	1	-1	-1	0	0	0
1989	Dry	0	0	0	0	-3	0	-1	2	7	6	4	0	1
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	1	1	1	1	7	0	1
1992	Critical	0	0	0	0	0	0	0	-1	-1	-1	-2	0	0
1993	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	-2	10	-4	-2	0	0
1995	Wet	-1	0	0	0	0	0	0	0	-1	-1	-2	0	0
1996	Wet	0	0	0	0	0	0	0	0	-2	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	-2	0	2	-1	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	-1	19	-2	0	1
2001	Dry	0	0	0	0	0	0	2	3	-2	-1	-2	0	0
2002	Dry	0	0	0	0	-1	0	0	1	0	1	-4	0	0
2003	Above Norma	0	0	0	0	0	0	2	3	14	-3	0	0	1
Average		0	0	0	0	0	0	0	0	1	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norma		0	0	0	0	0	0	0	-1	1	3	0	0	0
Below Norma		0	0	0	0	0	0	0	-1	1	0	-1	0	0
Dry		0	0	0	0	0	0	0	1	1	-1	0	0	0
Critical		0	0	0	0	-1	0	0	1	1	-1	2	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy generated (GWh) at CVP San Luis: CP1_2020 minus CONV_NA

Year Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922 Above Norma -	-	-	-	-	-	-	-	0%	0%	0%	1%	-
1923 Below Norma -	-	-	-	-	-	-	-11%	-9%	-7%	-21%	9%	-
1924 Critical -	-	-	-	-	-100%	23%	26%	37%	-11%	-40%	22%	-100%
1925 Dry -	-	-	-	-	-	-	-	8%	-1%	-2%	-2%	-
1926 Dry -	-	-	-	-	-	-	-	-16%	2%	9%	5%	-84%
1927 Wet -	-	-	-	-	-	-	0%	11%	-1%	-32%	-7%	-
1928 Above Norma -	-	-	-	-	-	-	-1%	-3%	-3%	-8%	20%	-
1929 Critical -	-	-	-	-	-	19%	11%	6%	0%	-30%	6%	-
1930 Dry -	-	-	-	-	-	-	1%	1%	-3%	-29%	45%	-
1931 Critical -	-	-	-	-	-100%	-	9%	16%	29%	11%	9%	-
1932 Dry -	-	-	-	-	-	4%	6%	3%	5%	7%	16%	-
1933 Critical -	-	-	-	-	-	0%	0%	0%	0%	0%	1%	-
1934 Critical -	-	-	-	-	-	1%	1%	1%	1%	2%	1%	29%
1935 Below Norma -	3%	-	-	-	-	-	-	0%	0%	-1%	-2%	-
1936 Below Norma -	-	-	-	-	-	-	-	-6%	-3%	4%	-13%	-
1937 Below Norma -	-	-	-	-	-	-	-	-	-2%	-2%	-1%	-
1938 Wet -	-	-	-	-	-	-	-	-	0%	0%	0%	-
1939 Dry -	-	-	-	-	-	-	5%	-15%	4%	4%	3%	-
1940 Above Norma -	-	-	-	-	-	-	2%	0%	0%	1%	2%	-
1941 Wet -	-	-	-	-	-	-	-	-1%	-1%	-1%	48%	-
1942 Wet -	-	-	-	-	-	-	0%	0%	0%	0%	2%	-
1943 Wet -	-	-	-	-	-	-	-	1%	0%	0%	0%	-
1944 Dry -	-	-	-	-	-	-	11%	6%	-10%	-9%	-10%	-
1945 Below Norma -	-	-	-	-	-	-	0%	2%	-2%	-1%	-2%	-
1946 Below Norma -	-	-	-	-	184%	-	5%	3%	2%	-28%	64%	-
1947 Dry -	-	-	-	-	-	-	-3%	-2%	11%	-9%	-9%	-
1948 Below Norma -	-	-	-	-	-	-	-	5%	7%	6%	-34%	-
1949 Dry -	-	-	-	-	-	-	0%	0%	2%	1%	0%	-
1950 Below Norma -	-	-	-	-	-	-	-	-35%	6%	6%	72%	-
1951 Above Norma -	-	-	-	-	-	-	0%	-24%	-5%	13%	44%	-
1952 Wet -	-	-	-	-	-	-	-	-	0%	0%	0%	-
1953 Wet -	-	-	-	-	-	0%	0%	0%	0%	-1%	0%	-
1954 Above Norma -	-	-	-	-	-	-	0%	0%	0%	-2%	0%	-
1955 Dry -	-	-	-	-	-	-	4%	7%	-17%	-24%	-11%	-
1956 Wet -	-	-	-	-	-	-	1%	1%	0%	0%	0%	-
1957 Above Norma -	-	-	-	-	-	-	-1%	-1%	-2%	54%	-20%	-
1958 Wet -	-	-	-	-	-	-	-	0%	0%	0%	0%	-
1959 Below Norma -	-	-	-	-	-	-	0%	0%	-1%	0%	1%	-
1960 Dry -	-	-	-	-	-	-	6%	38%	8%	7%	10%	-
1961 Dry -	-	-	-	-	-	-	5%	2%	3%	-5%	141%	-
1962 Below Norma -	-74%	-	-	-	-	-	13%	-4%	25%	54%	2%	-
1963 Wet -	-	-	-	-	-	-	2%	2%	4%	5%	5%	-
1964 Dry -	-	-	-	-	-	-	-6%	11%	78%	-41%	-28%	-
1965 Wet -	-	-	-	-	-	-	12%	7%	9%	11%	22%	-
1966 Below Norma -	-	-	-	-	-	-	0%	0%	0%	0%	0%	-
1967 Wet -	-	-	-	-	-	-	-	0%	0%	0%	0%	-
1968 Below Norma -	-	-	-	-	-	-	0%	0%	0%	-5%	0%	-
1969 Wet -	-	-	-	-	-	-	-	0%	0%	0%	0%	-
1970 Wet -	-	-	-	-	-	-	0%	5%	5%	53%	-68%	-
1971 Wet -	-	-	-	-	-	-	0%	1%	1%	1%	3%	-
1972 Below Norma -	-	-	-	-	-	-	-2%	-3%	3%	-6%	-79%	-
1973 Above Norma -	-	-	-	-	-	-	0%	0%	0%	0%	-1%	-
1974 Wet -	-	-	-	-	-	-	-	0%	0%	0%	0%	-
1975 Wet -	-	-	-	-	-	-	0%	-1%	0%	0%	0%	-
1976 Critical -	-	-	-	-	-	-	-10%	4%	5%	-1%	1%	38%
1977 Critical -	-	-	-	-	344%	-3%	-2%	0%	2%	-	173%	-
1978 Above Norma -	-	-	-	-	-	-	-	0%	-1%	-2%	-2%	-
1979 Below Norma -	-	-	-	-	-	-	0%	5%	3%	4%	2%	-
1980 Above Norma -	-	-	-	-	-	-	-	0%	0%	0%	-1%	-
1981 Dry -	-	-	-	-	-	-	0%	0%	-1%	-1%	3%	-
1982 Wet -	-	-	-	-	-	-	-	0%	0%	0%	0%	-
1983 Wet -	-	-	-	-	-	-	-	0%	0%	0%	0%	-
1984 Wet -	-	-	-	-	-	-	0%	0%	0%	0%	0%	-
1985 Dry -	-	-	-	-	-	-	9%	6%	20%	11%	-9%	-
1986 Wet -	-	-	-	-	-	-	-	-	21%	-5%	32%	-
1987 Dry -	-	-	-	-	-	-	-7%	-2%	-2%	11%	-13%	-
1988 Critical -	-	-	-	-	-	4%	8%	5%	-3%	-7%	1%	-
1989 Dry -	-	-	-	-	-100%	-	-27%	9%	28%	27%	27%	-
1990 Critical -	-	-	-	-	-	-	0%	0%	0%	5%	0%	0%
1991 Critical -	-	-	-	-	-	-	6%	7%	4%	8%	47%	-
1992 Critical -	-	-	-	-	-	-	4%	-1%	-2%	-3%	-6%	-
1993 Above Norma -	-	-	-	-	-	-	-	0%	0%	-1%	0%	-
1994 Critical -	-	-	-	-	-	-	-2%	-6%	22%	-16%	-35%	-
1995 Wet -	-100%	-	-	-	-	-	-	-	-3%	-4%	-6%	-
1996 Wet -	-	-	-	-	-	-	0%	0%	-3%	1%	1%	-
1997 Wet -	-	-	-	-	-	-	0%	-5%	0%	6%	-4%	-
1998 Wet -	-	-	-	-	-	-	-	0%	0%	0%	0%	-
1999 Wet -	-	-	-	-	-	-	0%	0%	0%	0%	0%	-
2000 Above Norma -	-	-	-	-	-	-	0%	0%	-1%	52%	-16%	-
2001 Dry -	-	-	-	-	-	-	19%	12%	-4%	-5%	-7%	10%
2002 Dry -	-	-	-	-	-100%	-	-1%	2%	-1%	3%	-26%	-
2003 Above Norma -	-	-	-	-	-	-	61%	10%	38%	-9%	-100%	-
Average	-57%	#DIV/0!	#DIV/0!	#DIV/0!	21%	6%	3%	1%	3%	0%	4%	-18%
Wet	-4%	0%	0%	0%	0%	0%	1%	1%	1%	1%	1%	0%
Above Norma	0%	0%	0%	0%	0%	0%	5%	-2%	2%	8%	-6%	0%
Below Norma	-5%	0%	0%	0%	13%	0%	-3%	2%	1%	1%	1%	0%
Dry	0%	0%	0%	0%	-11%	0%	1%	4%	7%	-3%	7%	-4%
Critical	0%	0%	0%	0%	12%	4%	4%	6%	4%	-6%	18%	-3%

Energy generated (GWh) at Folsom Dam : CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	18.92	29.12	26.98	23.68	87.18	53.77	68.79	149.26	147.73	45.81	66.05	62.26	780
1923	Below Normal	29.57	41.22	106.95	71.00	42.83	42.56	55.66	75.83	48.43	89.98	43.82	39.30	687
1924	Critical	29.54	31.82	28.65	21.07	17.64	27.00	9.57	11.32	19.11	13.62	11.30	10.08	231
1925	Dry	10.02	6.88	22.85	20.78	61.71	78.68	30.16	66.45	85.92	57.38	14.98	43.43	499
1926	Dry	31.70	31.93	31.87	30.03	40.33	29.87	36.15	37.16	57.26	38.43	22.17	9.10	396
1927	Wet	28.00	23.89	23.44	46.93	117.66	72.85	122.29	79.78	90.31	85.61	51.05	34.07	776
1928	Above Normal	29.59	52.88	37.13	32.50	29.85	133.66	75.15	47.78	42.04	50.86	44.76	16.38	593
1929	Critical	27.79	26.81	24.31	17.97	6.86	11.01	14.20	23.49	35.12	33.26	27.62	20.39	269
1930	Dry	25.61	21.24	8.90	9.08	28.16	41.95	29.51	33.25	30.95	43.59	23.67	27.38	323
1931	Critical	28.62	29.28	26.50	19.58	21.29	10.83	24.38	10.20	26.89	21.60	12.94	14.44	247
1932	Dry	10.95	13.54	7.23	26.89	60.29	34.67	34.99	54.09	71.91	61.35	48.50	63.99	488
1933	Critical	44.83	49.37	26.56	19.61	6.81	13.63	56.74	10.02	42.78	37.65	26.90	13.83	349
1934	Critical	24.98	20.19	8.51	7.65	24.31	25.77	46.46	27.21	29.63	17.55	7.18	8.15	248
1935	Below Normal	12.81	7.17	23.12	20.52	23.08	19.85	127.00	76.53	59.27	65.86	37.53	64.67	537
1936	Below Normal	29.52	35.98	31.93	92.18	122.40	67.88	85.00	67.92	81.31	73.23	40.29	66.06	794
1937	Below Normal	29.46	31.79	30.54	27.52	49.27	69.75	68.15	65.38	37.74	58.69	43.02	64.60	576
1938	Wet	29.49	37.88	105.73	44.30	119.90	135.32	125.86	149.18	147.90	57.58	72.42	67.54	1,093
1939	Dry	29.60	35.07	32.37	23.95	9.86	17.30	35.40	30.28	24.06	43.83	19.26	7.21	308
1940	Above Normal	24.22	20.93	8.70	34.63	123.36	133.83	96.45	60.32	43.60	87.59	48.46	19.63	702
1941	Wet	49.57	36.92	32.40	84.18	113.13	78.15	59.41	85.22	54.44	51.91	56.56	65.84	768
1942	Wet	29.59	37.66	88.49	132.82	119.16	38.85	95.57	114.20	123.17	55.20	71.81	66.60	973
1943	Wet	29.57	64.58	73.64	131.69	102.12	131.96	82.58	54.29	37.47	81.65	48.44	44.16	882
1944	Dry	29.56	31.91	31.17	23.12	26.31	21.71	28.67	43.67	47.41	45.44	38.79	22.88	391
1945	Below Normal	26.89	26.56	25.38	19.50	119.01	32.45	37.86	54.45	59.48	78.19	37.62	31.65	549
1946	Below Normal	29.72	67.23	133.12	80.69	45.81	38.51	55.09	61.05	61.37	59.47	62.86	23.40	718
1947	Dry	28.98	35.36	31.16	23.33	26.57	36.57	34.89	35.03	29.89	44.67	28.33	17.45	372
1948	Below Normal	26.11	25.26	22.95	17.51	7.22	12.11	41.83	60.12	86.22	63.65	55.55	50.88	469
1949	Dry	29.55	31.99	31.91	23.70	37.27	25.83	51.48	46.97	59.30	54.80	51.56	16.97	461
1950	Below Normal	28.56	29.18	26.39	38.67	78.41	50.62	73.92	67.96	67.44	41.24	68.62	65.70	637
1951	Above Normal	43.68	120.90	110.14	108.06	101.42	56.92	47.48	59.05	53.68	86.75	42.54	27.92	859
1952	Wet	28.10	29.60	78.63	133.09	124.19	98.27	137.84	148.51	147.33	75.24	80.23	71.10	1,152
1953	Wet	29.68	39.03	41.46	112.64	32.84	27.78	39.83	51.55	101.70	72.20	61.36	66.35	676
1954	Above Normal	29.57	41.08	37.51	30.91	41.11	71.82	68.96	53.16	41.16	69.47	36.55	25.01	546
1955	Dry	26.38	23.69	22.63	16.88	24.48	20.60	20.70	42.07	29.41	37.57	25.67	17.84	308
1956	Wet	30.76	27.82	121.76	122.28	86.54	40.36	39.92	110.84	99.26	52.01	72.51	66.72	871
1957	Above Normal	29.68	37.19	33.71	25.01	46.39	72.01	32.72	45.81	66.13	87.36	44.73	36.78	558
1958	Wet	27.96	28.85	26.69	28.66	118.53	105.90	137.28	149.02	131.18	50.82	73.59	67.17	946
1959	Below Normal	29.56	31.97	31.92	23.93	43.33	30.80	22.24	30.86	40.83	70.89	7.60	7.10	371
1960	Dry	9.15	9.69	8.32	7.02	12.08	65.67	51.18	35.92	29.19	37.66	30.11	22.86	319
1961	Dry	26.52	24.91	22.70	16.82	6.71	11.26	16.98	27.53	21.48	55.58	7.71	7.76	246
1962	Below Normal	10.08	7.82	8.21	7.20	32.03	32.31	61.44	53.72	35.85	86.05	43.54	18.44	397
1963	Wet	45.49	68.83	53.55	64.15	115.11	31.55	101.99	121.19	58.24	70.50	52.71	41.38	825
1964	Dry	29.42	68.17	32.64	39.77	30.42	24.43	27.99	32.14	33.50	45.66	36.52	25.73	426
1965	Wet	26.54	25.32	111.87	114.87	70.09	33.42	79.20	69.63	52.55	90.27	31.02	64.89	770
1966	Below Normal	29.61	46.55	42.26	31.42	27.49	24.16	29.39	37.44	23.35	75.69	8.54	18.01	394
1967	Wet	21.38	8.67	26.11	95.76	63.47	94.34	63.66	143.25	147.32	68.28	72.59	70.14	875
1968	Below Normal	29.66	46.18	41.98	31.26	91.01	31.88	29.09	29.08	17.45	78.50	10.16	9.16	445
1969	Wet	26.30	25.24	25.74	124.75	117.32	55.29	103.09	149.34	112.27	47.96	70.29	66.88	924
1970	Wet	29.67	41.37	89.36	122.32	82.74	38.49	31.93	51.36	35.04	69.47	37.18	24.91	654
1971	Wet	26.39	26.04	69.92	75.09	56.62	55.84	45.16	51.82	84.23	69.95	47.40	63.92	672
1972	Below Normal	29.57	38.34	44.91	33.86	42.52	66.10	29.45	36.46	29.70	75.16	27.55	24.21	478
1973	Above Normal	27.97	28.56	42.15	132.52	100.08	55.54	43.22	63.38	64.25	86.25	20.63	28.78	693
1974	Wet	29.19	108.62	114.27	128.84	60.09	131.75	102.76	81.70	70.03	56.41	73.03	68.46	1,025
1975	Wet	29.60	32.07	32.46	31.45	48.94	73.76	49.53	68.31	106.49	49.76	68.30	65.17	656
1976	Critical	29.85	58.02	32.44	23.99	26.78	21.28	9.30	11.11	14.32	16.66	8.23	7.57	260
1977	Critical	26.33	23.91	8.80	6.73	6.03	6.65	6.43	4.30	11.38	11.03	2.86	4.29	119
1978	Above Normal	5.14	5.93	6.31	29.04	66.27	90.46	71.12	57.67	68.38	69.09	52.55	43.06	565
1979	Below Normal	29.48	31.56	31.40	33.61	50.82	54.86	38.10	60.29	70.25	56.52	15.83	32.72	505
1980	Above Normal	29.63	43.60	35.74	124.99	112.83	57.23	45.96	54.48	46.61	49.90	71.77	65.23	738
1981	Dry	29.57	32.05	32.30	23.91	28.12	23.69	28.19	34.38	28.44	69.68	7.53	6.87	345
1982	Wet	11.06	49.07	122.78	114.82	103.05	114.91	133.64	149.28	102.75	52.33	71.64	74.64	1,100
1983	Wet	34.79	125.95	132.76	118.60	117.27	131.05	108.16	148.85	146.03	103.35	84.25	81.48	1,333
1984	Wet	30.09	126.36	115.29	89.97	73.40	46.20	34.47	48.92	54.93	87.32	28.62	29.14	765
1985	Dry	29.54	71.17	39.92	32.25	27.55	20.03	35.97	39.87	46.45	38.99	32.65	9.29	424
1986	Wet	26.45	25.49	23.38	45.93	105.01	125.94	43.55	44.96	43.82	40.89	63.51	70.97	660
1987	Dry	29.59	32.49	31.68	23.31	9.05	13.57	20.38	27.73	29.90	30.27	15.63	12.10	276
1988	Critical	25.41	19.79	8.34	7.29	23.98	16.25	12.56	28.51	22.34	19.01	15.37	6.80	206
1989	Dry	8.66	7.40	8.55	24.62	6.88	123.50	62.36	55.55	64.14	49.94	37.77	14.80	464
1990	Critical	27.26	32.29	24.04	17.81	13.16	13.61	22.76	17.64	30.27	31.12	22.30	18.76	271
1991	Critical	25.50	20.26	8.46	6.72	5.92	6.88	30.62	24.95	21.48	50.81	38.80	21.21	262
1992	Critical	25.62	21.56	8.51	7.03	6.82	17.15	55.99	26.18	15.50	14.23	10.71	6.58	216
1993	Above Normal	8.19	6.52	6.57	40.82	86.39	113.61	62.52	90.93	89.90	64.08	53.90	51.93	675
1994	Critical	29.60	41.38	37.31	27.21	7.61	18.96	16.58	27.64	28.90	56.29	7.85	22.54	322
1995	Wet	8.89	6.78	8.77	124.94	67.96	129.92	112.55	148.46	147.36	84.56	76.62	71.10	988
1996	Wet	29.80	39.65	53.08	87.11	118.68	100.75	75.88	141.20	54.43	63.10	47.44	64.01	875
1997	Wet	29.61	57.30	128.01	109.50	81.92	23.76	28.80	43.44	37.96	83.18	17.31	26.01	667
1998	Wet	28.45	28.80	26.59	109.23	118.27	100.96	93.03	105.41	147.39	71.31	74.28	72.59	976
1999	Wet	29.81	63.44	55.06	99.51	118.79	72.44	50.21	70.56	73.62	72.44	37.70	68.01	812
2000	Above Normal	29.68	44.49	40.07	56.90	122.92	67.81	47.79	54.00	52.74	84.36	40.64	27.03	668
2001	Dry	25.09	22.69	9.18	7.80	19.25	15.83	17.06	34.30	20.79	14.91	9.64	7.55	204
2002	Dry	26.02	23.43	21.94	22.47	60.16	65.14	37.70	45.44	50.42	57.45	29.88	20.98	461
2003	Above Normal	26.55	25.27											

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Energy generated (GWh) at Folsom Dam : CP1_2020

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	18.92	29.12	26.98	23.68	87.18	53.77	68.79	149.26	147.73	45.81	66.05	62.26	780
1923	Below Normal	29.57	41.22	106.95	71.00	42.83	42.53	56.00	76.10	48.38	89.96	41.33	43.07	689
1924	Critical	32.50	31.65	28.49	20.94	7.79	30.10	9.68	11.45	19.11	14.25	9.45	9.94	225
1925	Dry	15.41	6.90	23.41	21.57	61.60	78.68	30.16	66.44	87.43	61.73	16.67	35.46	505
1926	Dry	32.19	31.89	32.34	30.60	38.66	33.65	31.95	37.17	52.09	39.52	15.04	18.87	394
1927	Wet	25.32	22.05	21.65	56.29	117.66	72.85	122.29	79.78	90.31	38.90	68.44	65.35	781
1928	Above Normal	29.59	52.88	36.85	29.07	33.13	133.72	75.18	42.80	36.17	50.04	45.95	11.79	577
1929	Critical	28.59	28.58	25.94	19.18	7.07	11.67	14.55	24.75	42.76	34.93	28.90	21.72	289
1930	Dry	25.63	21.30	8.91	9.09	28.16	41.57	29.51	30.35	31.77	54.61	16.76	23.02	321
1931	Critical	28.72	30.21	27.31	25.73	21.56	10.77	24.43	10.54	23.09	19.22	11.65	10.54	244
1932	Dry	14.61	13.54	7.23	26.89	60.29	34.66	34.99	54.09	71.70	61.25	48.46	63.95	492
1933	Critical	44.79	49.38	26.43	19.52	6.82	13.63	56.89	10.05	42.81	37.63	26.88	14.48	349
1934	Critical	25.06	20.22	8.49	7.63	23.29	24.17	46.52	28.39	30.42	17.87	7.17	8.68	248
1935	Below Normal	13.01	7.14	23.13	20.62	23.05	19.83	124.67	76.88	58.89	65.88	37.50	64.67	535
1936	Below Normal	29.52	35.98	32.29	91.79	122.40	67.90	85.02	67.95	81.35	69.45	44.28	66.08	794
1937	Below Normal	29.46	31.78	31.29	28.41	47.55	69.73	68.15	65.38	37.74	58.82	42.89	64.60	576
1938	Wet	29.49	37.88	105.73	44.30	119.90	135.32	125.86	149.18	147.90	57.58	72.42	67.54	1,093
1939	Dry	29.60	35.07	32.37	23.95	9.86	17.30	28.94	30.57	21.65	37.82	19.04	18.76	305
1940	Above Normal	23.53	13.07	9.03	49.28	123.36	133.83	96.45	57.23	43.72	87.16	48.70	19.77	705
1941	Wet	45.63	28.98	44.44	90.08	113.13	78.15	59.41	85.22	54.44	51.91	56.56	65.84	774
1942	Wet	29.59	37.66	88.49	132.82	119.16	38.85	95.57	114.20	123.17	55.20	71.81	66.60	973
1943	Wet	29.57	64.58	73.64	131.69	102.12	131.96	82.58	54.29	37.47	81.90	48.40	43.93	882
1944	Dry	29.56	31.91	31.58	23.41	26.73	22.06	29.00	43.67	33.94	49.09	42.35	23.38	387
1945	Below Normal	27.12	26.84	25.62	19.67	119.37	32.46	37.85	54.44	59.66	70.06	32.10	46.14	551
1946	Below Normal	29.76	66.81	133.12	80.71	39.53	45.34	55.09	61.05	60.99	77.04	38.74	16.86	705
1947	Dry	29.56	44.54	31.69	23.72	28.39	38.79	35.03	35.02	24.47	45.34	29.80	23.93	390
1948	Below Normal	25.91	24.78	22.42	7.51	13.49	11.95	44.24	60.12	86.22	64.83	58.40	46.72	467
1949	Dry	29.55	31.99	32.23	23.93	31.59	31.45	51.47	46.61	49.14	53.49	50.39	23.72	456
1950	Below Normal	28.89	29.85	27.02	45.15	78.41	50.62	73.92	67.96	67.44	41.24	68.62	65.70	645
1951	Above Normal	36.96	121.72	110.14	108.06	101.42	56.92	47.48	59.05	48.06	87.30	36.90	20.85	835
1952	Wet	28.99	36.48	91.64	133.09	124.19	98.27	137.84	148.51	147.33	75.24	80.23	71.10	1,173
1953	Wet	29.68	39.03	41.46	112.64	32.84	27.78	39.83	51.55	101.70	69.92	63.72	66.35	677
1954	Above Normal	29.57	41.08	37.51	30.91	41.11	71.82	68.96	50.64	41.27	67.70	36.70	24.99	542
1955	Dry	26.67	24.60	23.49	17.49	13.40	21.02	22.96	43.35	32.07	30.31	36.68	19.08	311
1956	Wet	32.42	28.35	122.43	122.28	86.54	40.36	39.92	110.84	99.26	52.01	72.51	66.72	874
1957	Above Normal	29.68	37.19	33.71	25.01	46.39	72.01	32.72	45.81	63.92	87.58	44.51	35.75	554
1958	Wet	28.14	29.16	26.97	29.01	118.82	105.90	137.28	149.02	131.18	50.82	73.59	67.17	947
1959	Below Normal	29.56	31.97	31.92	23.93	43.33	28.03	22.95	31.61	41.89	70.98	7.62	7.11	371
1960	Dry	9.17	9.70	8.33	7.03	12.55	65.60	51.55	35.91	29.18	36.02	29.88	23.24	318
1961	Dry	26.60	25.17	23.05	17.07	6.72	11.34	17.26	27.80	21.75	63.35	7.46	7.41	255
1962	Below Normal	9.64	7.48	7.91	6.97	21.85	32.25	61.44	53.72	34.67	86.17	35.82	19.15	377
1963	Wet	54.59	68.83	53.55	64.15	115.11	24.62	109.78	121.19	58.27	69.05	52.79	41.46	833
1964	Dry	29.48	69.55	32.64	39.77	30.42	24.43	27.99	32.14	30.34	47.48	38.59	24.94	428
1965	Wet	26.55	27.65	111.39	114.87	70.09	26.73	86.86	62.45	60.33	88.03	31.10	67.20	773
1966	Below Normal	29.61	46.55	42.26	31.42	27.49	24.16	29.39	37.44	23.35	75.69	8.54	18.18	394
1967	Wet	21.32	8.67	15.09	106.95	63.47	94.34	63.66	143.25	147.32	68.28	72.59	70.14	875
1968	Below Normal	29.66	46.18	41.98	31.26	91.01	31.88	29.09	29.08	18.93	77.06	10.06	9.14	445
1969	Wet	26.31	25.35	24.07	124.99	117.32	55.29	103.09	149.34	112.27	47.96	70.29	66.88	923
1970	Wet	29.67	41.37	89.36	122.32	82.74	38.45	31.95	51.37	32.19	70.71	34.54	25.14	650
1971	Wet	26.63	26.37	73.45	75.04	51.60	61.38	45.16	51.82	84.23	70.05	47.29	63.92	677
1972	Below Normal	29.57	38.34	44.91	33.86	42.52	66.08	29.46	36.47	25.14	79.41	15.71	18.58	460
1973	Above Normal	28.85	30.02	59.96	132.52	100.06	55.54	43.22	63.38	63.90	86.29	20.65	28.79	713
1974	Wet	29.20	108.43	114.27	128.84	60.09	131.75	102.76	81.70	70.03	56.41	73.03	68.46	1,025
1975	Wet	29.60	32.07	32.46	31.45	48.94	73.76	49.53	68.31	106.49	49.83	68.23	65.17	656
1976	Critical	29.85	58.02	32.44	23.99	26.78	21.27	9.30	13.75	15.58	15.98	10.83	7.52	265
1977	Critical	25.96	23.53	8.62	6.58	5.89	6.48	6.26	4.18	9.14	8.65	2.82	4.29	112
1978	Above Normal	5.08	6.94	5.83	28.09	66.27	90.51	71.12	57.67	68.38	69.03	52.57	43.10	565
1979	Below Normal	29.48	31.88	32.19	32.43	50.82	54.91	36.33	62.28	67.60	57.27	13.41	37.37	506
1980	Above Normal	29.62	43.14	35.75	124.99	112.83	57.23	45.96	54.48	46.61	49.90	71.77	65.23	738
1981	Dry	29.57	32.05	32.30	23.91	28.12	23.70	28.19	34.37	29.29	69.23	7.51	6.86	345
1982	Wet	11.02	48.61	122.78	114.82	103.05	114.91	133.64	149.28	102.75	52.33	71.64	74.64	1,099
1983	Wet	34.79	125.95	132.76	118.60	117.27	131.05	108.16	148.85	146.03	103.35	84.25	81.48	1,333
1984	Wet	30.09	126.36	115.29	89.97	73.40	46.20	29.44	49.18	48.81	88.43	26.00	40.10	763
1985	Dry	29.68	74.55	39.92	32.25	27.55	23.19	35.50	39.37	41.81	40.78	33.33	11.42	429
1986	Wet	26.27	25.27	23.96	42.31	105.01	125.94	43.44	44.81	43.64	38.65	65.44	70.88	656
1987	Dry	29.61	32.52	31.68	23.32	9.07	13.56	19.82	26.60	27.19	29.00	20.97	9.61	273
1988	Critical	25.58	20.52	8.39	7.32	23.89	16.34	12.65	28.66	22.47	19.15	15.51	6.84	207
1989	Dry	8.72	7.43	23.24	21.54	18.82	96.22	62.36	56.01	64.53	49.88	36.36	20.63	466
1990	Critical	26.95	26.98	26.34	19.43	8.41	13.68	22.72	17.75	30.24	31.06	22.33	19.08	265
1991	Critical	25.50	20.28	8.46	6.72	5.92	6.88	30.64	24.95	21.37	50.39	38.81	21.16	261
1992	Critical	25.63	21.74	8.51	7.03	6.82	17.17	54.90	24.89	14.26	13.31	8.71	6.73	210
1993	Above Normal	8.34	6.74	6.75	47.84	86.39	113.65	62.52	90.93	89.90	64.40	53.88	51.61	683
1994	Critical	29.60	41.38	37.31	27.21	7.61	18.96	16.58	27.64	23.25	48.52	8.14	7.46	294
1995	Wet	23.76	7.14	8.57	127.16	67.96	129.92	112.55	148.46	147.36	84.56	76.62	71.10	1,005
1996	Wet	29.80	39.65	53.08	87.11	118.68	100.75	75.88	141.20	54.43	63.21	47.43	63.90	875
1997	Wet	29.61	57.30	128.01	109.50	81.92	23.76	28.80	43.44	38.24	77.81	17.47	26.23	662
1998	Wet	28.69	30.34	27.96	111.96	118.27	100.96	93.03	105.41	147.39	71.31	74.28	72.59	982
1999	Wet	29.81	63.44	55.06	99.51	118.79	72.44	50.21	70.56	73.62	72.63	37.50	68.01	812
2000	Above Normal	29.68	44.49	40.07	56.90	122.92	67.81	47.73	54.00	48.67	84.82	41.30	28.45	667
2001	Dry	25.22	23.35	9.23	7.83	19.60	15.94	17.21	34.47	20.95	15.16	9.72	7.56	206
2002	Dry	26.04	23.88	22.35	21.87	54.60	64.71	38.13	45.84	50.39	63.75	30.52	13.61	456
2003	Above Normal	28.80	26.											

Difference in Energy generated (GWh) at Folsom Dam : CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norm	0	0	0	0	0	0	0	0	0	0	0	-2	4
1924	Critical	3	0	0	0	-10	3	0	0	0	1	-2	0	0
1925	Dry	5	0	1	1	0	0	0	0	2	4	2	-8	1
1926	Dry	0	0	0	1	-2	4	-4	0	-5	1	-7	10	0
1927	Wet	-3	-2	-2	9	0	0	0	0	0	-47	17	31	0
1928	Above Norm	0	0	0	-3	3	0	0	-5	-6	-1	1	-5	-1
1929	Critical	1	2	2	1	0	1	0	1	8	2	1	1	2
1930	Dry	0	0	0	0	0	0	0	-3	1	11	-7	-4	0
1931	Critical	0	1	1	6	0	0	0	0	-4	-2	-1	-4	0
1932	Dry	4	0	0	0	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	1	0
1934	Critical	0	0	0	0	-1	-2	0	1	1	0	0	1	0
1935	Below Norm	0	0	0	0	0	0	-2	0	0	0	0	0	0
1936	Below Norm	0	0	0	0	0	0	0	0	0	-4	4	0	0
1937	Below Norm	0	0	1	1	-2	0	0	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	-6	0	-2	-6	0	12	0
1940	Above Norm	-1	-8	0	15	0	0	0	-3	0	0	0	0	0
1941	Wet	-4	-8	12	6	0	0	0	0	0	0	0	0	1
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	-13	4	4	1	0
1945	Below Norm	0	0	0	0	0	0	0	0	0	-8	-6	14	0
1946	Below Norm	0	0	0	0	-6	7	0	0	0	18	-24	-7	-1
1947	Dry	1	9	1	0	2	2	0	0	-5	1	1	6	2
1948	Below Norm	0	0	-1	-10	6	0	2	0	0	1	3	-4	0
1949	Dry	0	0	0	0	-6	6	0	0	-10	-1	-1	7	0
1950	Below Norm	0	1	1	6	0	0	0	0	0	0	0	0	1
1951	Above Norm	-7	1	0	0	0	0	0	0	-6	1	-6	-7	-2
1952	Wet	1	7	13	0	0	0	0	0	0	0	0	0	2
1953	Wet	0	0	0	0	0	0	0	0	0	-2	2	0	0
1954	Above Norm	0	0	0	0	0	0	0	-3	0	-2	0	0	0
1955	Dry	0	1	1	1	-11	0	2	1	3	-7	11	1	0
1956	Wet	2	1	1	0	0	0	0	0	0	0	0	0	0
1957	Above Norm	0	0	0	0	0	0	0	0	-2	0	0	-1	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norm	0	0	0	0	0	-3	1	1	1	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	0	0	-2	0	0	0
1961	Dry	0	0	0	0	0	0	0	0	0	8	0	0	1
1962	Below Norm	0	0	0	0	-10	0	0	0	-1	0	-8	1	-2
1963	Wet	9	0	0	0	0	-7	8	0	0	-1	0	0	1
1964	Dry	0	1	0	0	0	0	0	0	-3	2	2	-1	0
1965	Wet	0	2	0	0	0	-7	8	-7	8	-2	0	2	0
1966	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	-11	11	0	0	0	0	0	0	0	0	0
1968	Below Norm	0	0	0	0	0	0	0	0	1	-1	0	0	0
1969	Wet	0	0	-2	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	-3	1	-3	0	0
1971	Wet	0	0	4	0	-5	6	0	0	0	0	0	0	0
1972	Below Norm	0	0	0	0	0	0	0	0	-5	4	-12	-6	-1
1973	Above Norm	1	1	18	0	0	0	0	0	0	0	0	0	2
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	3	1	-1	3	0	0
1977	Critical	0	0	0	0	0	0	0	0	-2	-2	0	0	-1
1978	Above Norm	0	1	0	-1	0	0	0	0	0	0	0	0	0
1979	Below Norm	0	0	1	-1	0	0	-2	2	-3	1	-2	5	0
1980	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	1	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	-5	0	-6	1	-3	11	0
1985	Dry	0	3	0	0	0	3	0	0	-5	2	1	2	0
1986	Wet	0	0	1	-4	0	0	0	0	-2	2	2	0	0
1987	Dry	0	0	0	0	0	0	-1	-1	-3	-1	5	-2	0
1988	Critical	0	1	0	0	0	0	0	0	0	0	0	0	0
1989	Dry	0	0	15	-3	12	-27	0	0	0	0	-1	6	0
1990	Critical	0	-5	2	2	-5	0	0	0	0	0	0	0	-1
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	-1	-1	-1	-1	-2	0	-1
1993	Above Norm	0	0	0	7	0	0	0	0	0	0	0	0	1
1994	Critical	0	0	0	0	0	0	0	0	-6	-8	0	-15	-2
1995	Wet	15	0	0	2	0	0	0	0	0	0	0	0	1
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	-5	0	0	0
1998	Wet	0	2	1	3	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norm	0	0	0	0	0	0	0	0	-4	0	1	1	0
2001	Dry	0	1	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	-1	-6	0	0	0	0	6	1	-7	0
2003	Above Norm	2	1	1	4	-7	7	0	0	-15	1	11	5	1
Average		0	0	1	1	-1	0	0	0	-1	0	0	1	0
Wet		1	0	1	1	0	0	0	0	0	-2	1	2	0
Above Norm		0	0	2	2	0	1	0	-1	-3	0	1	-1	0
Below Norm		0	0	0	0	-1	0	0	0	0	1	-3	1	0
Dry		1	1	1	0	-1	-1	0	0	-2	1	1	1	0
Critical		0	0	0	1	-1	0	0	0	0	-1	0	-1	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy generated (GWh) at Folsom Dam : CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1923	Below Norma	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%	-6%	10%
1924	Critical	10%	-1%	-1%	-1%	-56%	11%	1%	1%	0%	5%	-16%	-1%
1925	Dry	54%	0%	2%	4%	0%	0%	0%	2%	0%	8%	11%	-18%
1926	Dry	2%	0%	1%	2%	-4%	13%	-12%	0%	-9%	3%	-32%	107%
1927	Wet	-10%	-8%	-8%	20%	0%	0%	0%	0%	0%	-55%	34%	92%
1928	Above Norma	0%	0%	-1%	-11%	11%	0%	0%	-10%	-14%	-2%	3%	-28%
1929	Critical	3%	7%	7%	7%	3%	6%	2%	5%	22%	5%	5%	7%
1930	Dry	0%	0%	0%	0%	0%	-1%	0%	-9%	3%	25%	-29%	-16%
1931	Critical	0%	3%	3%	31%	1%	0%	0%	3%	-14%	-11%	-10%	-27%
1932	Dry	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1933	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	5%
1934	Critical	0%	0%	0%	0%	-4%	-6%	0%	4%	3%	2%	0%	6%
1935	Below Norma	2%	0%	0%	1%	0%	0%	-2%	0%	-1%	0%	0%	0%
1936	Below Norma	0%	0%	1%	0%	0%	0%	0%	0%	0%	-5%	10%	0%
1937	Below Norma	0%	0%	2%	3%	-3%	0%	0%	0%	0%	0%	0%	0%
1938	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	0%	0%	-18%	1%	-10%	-14%	-1%	160%
1940	Above Norma	-3%	-38%	4%	42%	0%	0%	0%	-5%	0%	0%	1%	1%
1941	Wet	-8%	-21%	37%	7%	0%	0%	0%	0%	0%	0%	0%	0%
1942	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%
1944	Dry	0%	0%	1%	1%	2%	2%	1%	0%	-28%	8%	9%	2%
1945	Below Norma	1%	1%	1%	1%	0%	0%	0%	0%	-10%	-10%	-15%	46%
1946	Below Norma	0%	-1%	0%	0%	-14%	18%	0%	0%	-1%	30%	-38%	-28%
1947	Dry	2%	26%	2%	2%	7%	6%	0%	0%	-18%	1%	5%	37%
1948	Below Norma	-1%	-2%	-2%	-57%	87%	-1%	6%	0%	0%	2%	5%	-8%
1949	Dry	0%	0%	1%	1%	-15%	22%	0%	-1%	-17%	-2%	-2%	40%
1950	Below Norma	1%	2%	2%	17%	0%	0%	0%	0%	0%	0%	0%	0%
1951	Above Norma	-15%	1%	0%	0%	0%	0%	0%	0%	-10%	1%	-13%	-25%
1952	Wet	3%	23%	17%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	-3%	4%	0%
1954	Above Norma	0%	0%	0%	0%	0%	0%	0%	-5%	0%	-3%	0%	0%
1955	Dry	1%	4%	4%	4%	-45%	2%	11%	3%	9%	-19%	43%	7%
1956	Wet	5%	2%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	-3%	0%	0%	-3%
1958	Wet	1%	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	0%	0%	0%	-9%	3%	2%	3%	0%	0%	0%
1960	Dry	0%	0%	0%	0%	4%	0%	1%	0%	0%	-4%	-1%	2%
1961	Dry	0%	1%	2%	1%	0%	1%	2%	1%	1%	14%	-3%	-4%
1962	Below Norma	-4%	-4%	-4%	-3%	-32%	0%	0%	0%	-3%	0%	-18%	4%
1963	Wet	20%	0%	0%	0%	0%	-22%	8%	0%	0%	-2%	0%	0%
1964	Dry	0%	2%	0%	0%	0%	0%	0%	0%	-9%	4%	6%	-3%
1965	Wet	0%	9%	0%	0%	0%	-20%	10%	-10%	15%	-2%	0%	4%
1966	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%
1967	Wet	0%	0%	-42%	12%	0%	0%	0%	0%	0%	0%	0%	0%
1968	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	8%	-2%	-1%	0%
1969	Wet	0%	0%	-7%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	0%	0%	0%	-8%	2%	-7%	1%
1971	Wet	1%	1%	5%	0%	-9%	10%	0%	0%	0%	0%	0%	0%
1972	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	-15%	6%	-43%	-23%
1973	Above Norma	3%	5%	42%	0%	0%	0%	0%	0%	-1%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	0%	24%	9%	-4%	32%	-1%
1977	Critical	-1%	-2%	-2%	-2%	-2%	-3%	-3%	-3%	-20%	-22%	-1%	0%
1978	Above Norma	-1%	17%	-8%	-3%	0%	0%	0%	0%	0%	0%	0%	0%
1979	Below Norma	0%	1%	3%	-4%	0%	0%	-5%	3%	-4%	1%	-15%	14%
1980	Above Norma	0%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	0%	0%	0%	0%	3%	-1%	0%	0%
1982	Wet	0%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	-15%	1%	-11%	1%	-9%	38%
1985	Dry	0%	5%	0%	0%	0%	16%	-1%	-1%	-10%	5%	2%	23%
1986	Wet	-1%	-1%	2%	-8%	0%	0%	0%	0%	-5%	3%	0%	0%
1987	Dry	0%	0%	0%	0%	0%	0%	-3%	-4%	-9%	-4%	34%	-21%
1988	Critical	1%	4%	1%	0%	0%	1%	1%	1%	1%	1%	1%	1%
1989	Dry	1%	0%	172%	-13%	173%	-22%	0%	1%	1%	0%	-4%	39%
1990	Critical	-1%	-16%	10%	9%	-36%	0%	0%	1%	0%	0%	0%	2%
1991	Critical	0%	0%	0%	0%	0%	0%	0%	0%	-1%	0%	0%	0%
1992	Critical	0%	1%	0%	0%	0%	0%	-2%	-5%	-8%	-6%	-19%	2%
1993	Above Norma	2%	3%	3%	17%	0%	0%	0%	0%	0%	0%	0%	-1%
1994	Critical	0%	0%	0%	0%	0%	0%	0%	0%	-20%	-14%	4%	-67%
1995	Wet	167%	5%	-2%	2%	0%	0%	0%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	0%	0%	1%	-6%	1%	1%
1998	Wet	1%	5%	5%	2%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	0%
2000	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	-8%	1%	2%	5%
2001	Dry	1%	3%	0%	0%	2%	1%	1%	0%	1%	2%	1%	0%
2002	Dry	0%	2%	2%	-3%	-9%	-1%	1%	1%	0%	11%	2%	-35%
2003	Above Norma	8%	4%	4%	10%	-15%	37%	0%	0%	-26%	2%	52%	32%
Average		3%	1%	3%	1%	1%	1%	0%	0%	-2%	-1%	0%	5%
Wet		7%	1%	0%	1%	0%	-1%	0%	0%	-3%	1%	0%	5%
Above Norma		-1%	-1%	4%	5%	0%	3%	0%	-2%	-5%	0%	4%	-2%
Below Norma		0%	0%	0%	-3%	3%	1%	0%	-1%	2%	-9%	1%	1%
Dry		5%	2%	10%	0%	6%	2%	-1%	0%	-5%	2%	2%	18%
Critical		1%	0%	1%	4%	-8%	1%	0%	3%	-2%	-4%	0%	-6%

Energy generated (GWh) at Judge Francis Carr : CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	111.95	43.46	8.48	8.48	7.66	3.39	10.95	8.48	24.62	50.89	67.85	65.66	412
1923	Below Normal	25.44	8.21	4.67	3.39	3.06	6.42	10.42	8.48	24.62	85.70	76.33	57.45	314
1924	Critical	8.48	3.28	3.39	55.11	34.88	6.56	13.29	7.27	8.21	50.89	50.89	35.46	278
1925	Dry	0.00	0.00	0.08	83.54	0.00	3.39	3.28	0.00	8.21	42.41	42.41	32.83	216
1926	Dry	8.48	3.28	3.39	3.39	3.06	6.48	3.28	8.48	8.21	42.41	65.42	32.83	189
1927	Wet	8.48	3.28	3.39	0.00	0.00	3.39	0.00	0.00	1.17	50.89	50.89	65.66	187
1928	Above Normal	25.44	0.00	3.56	3.39	3.17	0.00	8.76	0.00	24.62	50.89	67.85	82.08	270
1929	Critical	25.44	16.42	8.48	70.91	3.06	3.39	11.97	8.48	32.83	76.33	42.41	32.83	333
1930	Dry	8.48	3.28	15.90	3.39	3.06	3.39	13.25	8.48	8.21	76.33	42.41	32.83	219
1931	Critical	8.48	3.28	4.62	3.39	3.06	5.44	10.58	4.06	8.21	50.89	50.89	8.21	161
1932	Dry	22.53	6.62	1.36	32.11	0.11	0.00	9.78	12.27	8.21	50.89	23.13	8.21	175
1933	Critical	10.55	5.57	0.07	0.08	0.09	9.59	3.77	0.00	8.21	50.89	50.89	8.21	148
1934	Critical	0.00	0.00	0.00	0.00	0.00	0.00	13.38	3.39	8.21	50.89	50.89	55.90	183
1935	Below Normal	9.46	8.53	0.00	9.03	0.00	0.00	0.00	3.39	8.21	50.89	50.89	32.83	173
1936	Below Normal	0.00	0.00	0.00	0.00	3.17	0.00	11.92	0.00	8.21	33.93	33.93	32.83	124
1937	Below Normal	8.48	3.28	3.39	3.39	0.00	0.00	3.28	3.39	8.21	59.37	33.93	24.62	151
1938	Wet	8.48	0.00	0.00	3.39	0.00	0.00	0.00	0.00	2.23	50.89	80.57	146	
1939	Dry	65.86	8.31	17.28	3.39	3.06	50.64	11.14	33.33	93.65	1.49	111.54	77.74	477
1940	Above Normal	111.95	56.44	3.39	3.39	0.00	0.00	8.21	0.00	24.62	67.85	67.85	49.25	393
1941	Wet	25.44	16.42	0.00	0.00	0.00	0.00	0.00	68.33	15.26	111.54	66.13	89.19	392
1942	Wet	63.05	9.57	0.00	0.00	0.00	3.39	11.15	0.00	0.06	59.23	54.39	83.96	285
1943	Wet	60.47	14.10	35.75	0.00	12.52	39.79	10.47	0.00	6.11	50.89	50.89	65.66	347
1944	Dry	22.07	0.00	4.67	3.57	3.17	3.39	14.78	8.48	41.04	111.01	84.81	49.25	346
1945	Below Normal	25.44	16.42	8.48	8.48	3.06	6.32	13.33	0.00	6.09	50.89	59.37	49.25	247
1946	Below Normal	8.48	0.00	0.00	0.00	3.06	3.39	7.70	0.00	24.62	50.89	67.85	65.66	232
1947	Dry	25.44	16.42	8.48	5.21	3.06	3.39	12.75	8.48	24.62	59.37	90.06	49.25	307
1948	Below Normal	8.48	3.28	4.66	3.39	7.93	8.48	8.21	0.00	0.00	1.59	50.89	2.51	99
1949	Dry	2.89	0.00	4.11	4.66	3.06	8.48	3.28	0.00	5.09	50.89	67.85	65.66	216
1950	Below Normal	25.44	16.42	8.48	8.48	7.66	6.35	8.21	8.48	24.62	67.85	59.37	49.25	291
1951	Above Normal	25.44	0.00	0.00	0.00	0.00	5.34	44.78	0.00	4.45	50.89	67.85	65.66	264
1952	Wet	25.44	16.42	0.00	0.00	0.00	19.69	0.00	0.00	3.41	17.99	2.59	84.23	170
1953	Wet	60.43	0.00	19.84	0.00	13.43	15.71	25.94	0.00	0.00	41.81	59.14	85.39	322
1954	Above Normal	64.06	45.63	29.58	0.00	0.00	16.76	0.00	0.00	45.11	50.89	93.30	65.66	471
1955	Dry	25.44	16.42	0.00	3.39	3.06	8.22	6.48	8.48	24.62	67.85	67.85	49.25	281
1956	Wet	25.44	16.42	0.00	0.00	0.00	27.89	36.75	0.00	0.00	50.89	17.60	83.84	259
1957	Above Normal	62.95	2.71	5.22	3.39	0.00	42.52	6.10	0.00	1.31	50.89	93.30	65.66	334
1958	Wet	0.00	27.04	55.80	59.80	85.13	0.00	0.00	80.95	0.62	94.78	2.82	85.37	492
1959	Below Normal	61.38	0.00	5.24	0.00	2.32	17.58	13.43	0.00	57.45	95.31	111.54	79.21	443
1960	Dry	35.36	33.15	8.48	12.83	3.17	8.48	9.38	0.00	24.62	67.85	59.37	49.25	312
1961	Dry	8.48	3.28	3.39	0.09	0.00	0.00	8.80	0.00	24.62	50.89	111.54	49.25	260
1962	Below Normal	25.44	3.28	3.39	3.39	0.00	3.39	13.34	0.00	24.62	50.89	59.37	49.25	236
1963	Wet	8.18	0.00	0.00	3.39	0.00	3.39	0.00	0.00	2.72	50.89	50.89	33.16	153
1964	Dry	0.00	1.71	23.67	20.96	43.35	4.32	13.23	8.48	41.04	111.54	84.81	49.25	402
1965	Wet	25.44	16.42	0.00	0.00	3.06	4.33	0.00	0.00	4.31	50.89	93.30	46.03	244
1966	Below Normal	0.00	0.00	0.00	13.30	0.00	41.31	62.96	0.00	7.86	50.89	111.54	82.08	370
1967	Wet	42.41	16.42	6.81	35.92	20.41	2.92	0.00	0.00	0.00	84.59	2.78	87.21	299
1968	Below Normal	67.78	3.65	12.12	21.73	0.00	28.14	11.07	0.00	49.25	67.85	84.81	82.08	428
1969	Wet	25.44	16.42	8.48	0.00	0.00	0.00	0.00	6.43	0.00	50.89	50.89	59.12	218
1970	Wet	63.53	0.45	52.31	80.24	0.00	26.69	10.38	0.00	45.11	1.51	109.98	82.08	472
1971	Wet	25.44	16.42	0.00	0.00	14.67	15.61	0.00	0.00	1.14	29.93	52.90	81.44	238
1972	Below Normal	60.05	7.77	12.65	33.80	8.93	111.95	3.83	0.00	2.71	50.89	93.30	65.66	452
1973	Above Normal	42.41	16.42	0.00	0.00	0.00	14.06	4.14	0.00	0.15	50.89	93.30	65.66	287
1974	Wet	0.01	40.96	0.00	76.84	5.15	0.00	21.36	0.00	1.27	67.06	17.75	82.45	313
1975	Wet	57.46	0.00	11.40	3.39	0.00	0.00	8.21	0.00	10.79	91.10	32.65	85.34	300
1976	Critical	67.23	17.21	22.35	95.77	3.17	3.78	5.97	8.48	52.60	111.54	76.33	49.25	514
1977	Critical	25.44	16.42	12.86	13.91	4.09	8.16	45.35	3.39	8.21	50.89	111.54	30.16	330
1978	Above Normal	91.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.89	50.89	0.00	193
1979	Below Normal	0.00	0.00	0.08	3.39	3.06	3.39	5.44	3.39	4.51	50.89	67.85	65.66	208
1980	Above Normal	25.44	0.00	0.00	0.00	0.00	23.73	30.46	0.00	45.11	50.89	67.85	65.66	309
1981	Dry	25.44	0.00	3.39	3.39	3.06	0.00	6.62	3.39	24.62	111.54	111.04	49.25	342
1982	Wet	25.44	0.00	0.00	17.68	0.00	45.73	0.00	0.00	0.00	2.53	2.00	67.04	160
1983	Wet	79.81	20.19	0.00	0.00	0.00	35.85	33.63	98.86	107.94	111.54	85.21	95.50	669
1984	Wet	66.91	70.95	0.00	56.32	3.17	24.42	10.44	0.00	45.11	50.89	67.85	65.66	462
1985	Dry	0.00	0.00	0.00	49.53	3.06	5.39	13.39	9.44	77.15	111.54	111.54	57.45	439
1986	Wet	31.60	4.07	3.39	3.39	0.00	0.00	65.56	0.00	24.62	67.85	67.85	49.25	318
1987	Dry	25.44	8.21	3.56	3.39	3.06	3.39	13.34	8.48	44.82	111.54	111.54	57.60	394
1988	Critical	25.80	10.44	3.39	3.39	0.00	8.48	16.73	8.48	45.60	84.81	84.81	32.83	325
1989	Dry	8.48	3.28	3.39	3.39	3.06	3.39	8.21	0.00	24.62	59.37	42.41	32.83	192
1990	Critical	8.48	3.28	3.51	3.39	3.06	4.32	15.02	0.00	8.21	42.41	50.89	32.83	175
1991	Critical	8.48	3.28	4.61	0.09	0.22	3.39	8.80	3.39	8.21	50.89	50.89	8.21	150
1992	Critical	0.00	0.00	0.26	0.00	0.00	0.00	0.00	3.39	8.21	50.89	50.89	66.71	180
1993	Above Normal	8.48	0.00	0.00	3.39	3.06	3.39	0.00	0.00	0.00	0.00	29.05	0.37	48
1994	Critical	0.00	0.00	0.08	37.64	3.06	3.82	14.35	25.35	75.07	84.99	85.99	69.94	400
1995	Wet	8.48	3.28	3.39	0.00	0.00	0.00	22.29	0.00	0.00	71.12	1.39	77.56	188
1996	Wet	55.33	11.93	40.99	36.53	0.00	54.44	16.08	0.00	1.52	50.89	50.89	0.21	319
1997	Wet	0.00	13.77	35.17	31.47	3.06	3.39	51.73	0.00	41.04	67.85	84.81	49.25	382
1998	Wet	25.44	3.28	8.48	0.00	0.00	0.00	34.78	0.00	83.15	85.78	62.41	82.42	386
1999	Wet	59.40	34.30	40.84	20.81	0.00	37.97	3.28	0.00	1.19	50.89	50.89	40.04	340
2000	Above Normal	56.26	13.27	8.85	57.35	0.00	0.00	55.75	0.00	0.00	50.89	93.30	65.66	401
2001	Dry	25.44	0.33	8.48	8.48	7.66	3.39	2.26	8.48	80.82	111.54	84.81	49.25	391
2002	Dry	25.44	16.42	8.48	0.00	3.06	3.39	10.29	0.00	24.62	67.85	84.81	49.25	294
2003	Above Normal	37.48	18.85	3.39	0.00	3.06	0.00	0.00	0.00	2.01	50.89	50.89	90.29	257
Average		29	10	8	14	4	12	13	6	20	59	63	55	294
Wet		34	14	13	17	6	14	14	10	15	56	48	70	310
Above Normal		55	16	5	7	1	14	14	1	14	48	70	57	303
Below Normal		23	5	5	8	3	17	12	2	18	55	69	53	269
Dry		19	7											

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Energy generated (GWh) at Judge Francis Carr : CP1_2020

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	111.95	43.46	8.48	8.48	7.66	8.48	10.95	8.48	24.62	67.85	67.85	65.66	434
1923	Below Normal	25.44	16.42	8.48	8.48	3.06	6.42	10.42	8.48	24.62	59.37	76.33	49.25	297
1924	Critical	8.48	3.28	3.39	51.34	14.82	3.39	25.23	7.27	8.21	50.89	50.89	8.21	235
1925	Dry	0.00	0.00	0.08	87.61	0.00	3.39	3.28	0.00	24.62	33.93	42.41	32.83	228
1926	Dry	8.48	3.28	3.39	3.39	3.06	6.48	3.28	8.48	24.62	42.41	64.29	32.83	204
1927	Wet	8.48	3.28	3.39	3.39	0.00	3.39	0.00	0.00	1.17	50.89	67.85	82.08	224
1928	Above Normal	25.44	16.42	8.48	8.48	3.17	0.00	8.76	0.00	24.62	67.85	67.85	49.25	280
1929	Critical	25.44	16.42	8.48	20.14	3.06	8.48	11.97	9.40	32.83	76.33	42.41	32.83	288
1930	Dry	8.48	3.28	23.92	3.39	3.06	3.39	13.25	8.48	8.21	76.33	42.41	32.83	227
1931	Critical	8.48	3.28	4.62	3.39	3.06	3.39	10.58	4.06	8.21	50.89	50.89	8.21	159
1932	Dry	25.42	5.72	1.36	32.36	0.11	0.00	9.53	12.52	8.21	50.89	22.86	8.21	177
1933	Critical	10.66	5.55	1.47	0.08	0.09	9.59	3.77	0.00	8.21	50.89	50.89	8.21	149
1934	Critical	0.00	0.00	0.00	0.00	0.00	0.00	13.38	3.93	8.21	50.89	53.35	51.54	181
1935	Below Normal	19.81	8.53	0.00	4.01	0.00	0.00	0.00	3.39	8.21	50.89	50.89	32.83	179
1936	Below Normal	0.00	0.00	0.00	0.00	3.17	3.39	8.54	0.00	8.21	33.93	33.93	32.83	124
1937	Below Normal	8.48	3.28	3.39	3.39	0.00	0.00	0.00	3.39	8.21	59.37	33.93	32.83	156
1938	Wet	8.48	0.00	0.00	3.39	0.00	0.00	0.00	0.00	0.00	2.23	50.89	70.85	136
1939	Dry	65.86	8.31	17.28	3.39	3.06	10.32	11.14	37.69	67.35	111.54	111.54	57.45	505
1940	Above Normal	77.45	28.17	3.39	3.39	0.00	0.00	8.21	0.00	24.62	67.85	67.85	82.08	363
1941	Wet	25.44	16.42	0.00	0.00	0.00	0.00	0.00	68.33	15.26	111.54	66.13	89.19	392
1942	Wet	63.05	9.57	0.00	0.00	0.00	3.39	0.00	0.00	0.06	70.30	54.39	83.96	285
1943	Wet	60.47	14.10	35.75	0.00	12.52	39.79	10.47	0.00	6.11	50.89	50.89	49.25	330
1944	Dry	25.44	0.00	4.67	3.57	3.17	3.39	14.78	8.48	41.04	108.79	70.25	49.25	333
1945	Below Normal	25.44	16.42	8.48	8.48	7.66	6.32	13.33	0.00	24.62	50.89	59.37	49.25	270
1946	Below Normal	25.44	0.00	0.00	0.00	3.06	3.39	7.70	0.00	24.62	50.89	67.85	65.66	249
1947	Dry	25.44	16.42	8.48	8.48	0.15	8.48	12.75	8.48	24.62	59.37	76.33	49.25	298
1948	Below Normal	8.48	3.28	4.66	0.00	7.93	8.48	8.21	0.00	0.00	1.59	50.89	2.51	96
1949	Dry	25.44	0.00	4.11	4.66	3.06	0.00	3.28	0.00	24.62	50.89	67.85	49.25	233
1950	Below Normal	25.44	16.42	8.48	8.48	7.66	8.48	8.21	8.48	24.62	67.85	59.37	49.25	293
1951	Above Normal	25.44	0.00	0.00	0.00	0.00	3.39	12.12	0.00	4.45	50.89	67.85	65.66	230
1952	Wet	42.41	0.00	0.00	0.00	0.00	36.23	0.00	0.00	3.41	18.77	2.59	84.23	188
1953	Wet	60.43	0.00	19.84	0.00	13.43	15.71	8.57	0.00	0.00	59.06	59.14	85.39	322
1954	Above Normal	64.06	45.63	29.58	0.00	0.00	76.76	0.00	0.00	45.11	50.89	93.30	65.66	471
1955	Dry	25.44	0.00	0.00	3.39	3.06	8.22	6.48	8.48	24.62	67.85	67.85	49.25	265
1956	Wet	25.44	16.42	0.00	0.00	0.00	27.89	36.75	0.00	0.00	50.89	17.60	83.84	259
1957	Above Normal	62.95	2.71	5.22	3.39	0.00	42.52	6.10	0.00	1.31	50.89	93.30	49.25	318
1958	Wet	0.00	43.41	55.80	59.80	85.13	0.00	0.13	80.95	0.62	94.78	2.82	85.37	509
1959	Below Normal	61.38	0.00	5.24	0.00	2.32	17.58	13.43	0.00	57.45	95.31	111.54	49.25	414
1960	Dry	25.44	53.59	8.54	15.79	3.17	8.48	9.38	0.00	24.62	67.85	59.37	49.25	325
1961	Dry	8.48	3.28	3.39	8.48	0.00	0.00	8.80	0.00	24.62	50.89	67.85	49.25	225
1962	Below Normal	25.44	16.42	8.48	8.48	0.00	3.39	13.34	0.00	24.62	50.89	59.37	49.25	260
1963	Wet	0.00	0.00	0.00	3.39	0.00	3.39	0.00	0.00	2.72	50.89	50.89	26.27	138
1964	Dry	0.00	43.33	23.67	16.51	3.17	6.36	6.00	8.48	41.04	111.54	84.81	49.25	394
1965	Wet	25.44	16.42	0.00	0.00	3.06	4.33	0.00	0.00	45.11	50.89	67.85	2.95	216
1966	Below Normal	0.00	1.03	22.34	17.89	0.00	41.31	62.96	0.00	7.86	50.89	93.30	82.08	380
1967	Wet	42.41	16.42	25.37	35.92	20.41	3.05	0.00	0.00	0.00	84.59	2.78	87.21	318
1968	Below Normal	67.78	3.65	12.12	21.73	0.00	28.14	11.07	0.00	49.25	67.85	67.85	82.08	412
1969	Wet	25.44	16.42	8.48	0.00	0.00	0.00	0.00	23.22	0.00	50.89	50.89	59.12	234
1970	Wet	63.53	0.45	52.56	80.24	0.00	26.69	10.38	0.00	45.11	67.85	67.85	82.08	497
1971	Wet	25.44	16.42	0.00	0.00	3.06	40.86	0.00	0.00	1.14	29.93	52.90	81.44	251
1972	Below Normal	60.05	7.77	12.65	33.80	8.93	111.95	3.83	0.00	49.25	50.89	67.85	65.66	473
1973	Above Normal	30.92	0.00	0.00	0.00	0.00	14.06	4.14	0.00	0.15	50.89	93.30	49.25	243
1974	Wet	16.40	40.96	0.00	76.84	5.15	0.00	21.36	0.00	1.27	67.06	18.19	82.45	330
1975	Wet	57.46	0.00	11.40	3.39	0.00	0.00	8.21	0.00	10.79	91.10	33.52	85.34	301
1976	Critical	67.23	17.21	22.35	38.97	3.17	8.48	5.97	20.58	103.60	111.54	76.33	49.25	525
1977	Critical	56.32	9.66	32.42	3.56	12.01	8.16	17.14	3.39	8.21	111.54	108.01	32.90	403
1978	Above Normal	64.01	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.89	50.89	0.00	166
1979	Below Normal	0.00	0.00	0.08	3.39	3.06	3.39	5.44	0.00	4.51	50.89	67.85	49.25	188
1980	Above Normal	25.44	0.00	0.00	0.00	0.00	23.73	3.28	0.00	45.11	50.89	67.85	37.98	254
1981	Dry	0.00	16.42	8.48	3.39	3.06	0.00	6.62	3.39	49.25	67.85	111.54	82.08	352
1982	Wet	25.44	0.00	0.00	22.43	0.00	45.73	0.00	0.00	2.53	2.00	0.00	67.04	165
1983	Wet	79.81	20.19	0.00	0.00	0.00	35.85	33.63	98.86	107.94	111.54	85.21	95.50	669
1984	Wet	66.91	70.95	0.00	56.32	3.17	24.42	10.44	0.00	45.11	50.89	67.85	5.29	401
1985	Dry	0.00	3.86	29.91	3.39	3.06	52.19	13.39	8.48	41.04	111.54	111.54	73.21	452
1986	Wet	47.52	3.28	3.39	3.39	0.00	0.00	49.76	0.00	45.11	67.85	67.85	65.66	354
1987	Dry	25.44	16.42	8.48	8.48	7.66	3.39	13.34	8.48	41.04	111.54	1.33	91.40	337
1988	Critical	63.30	9.65	3.39	8.48	7.93	8.48	12.16	8.48	49.95	84.81	84.81	32.83	374
1989	Dry	8.48	3.28	3.39	3.39	3.06	3.39	8.21	0.00	24.62	59.37	42.41	32.83	192
1990	Critical	8.48	3.28	3.51	3.39	3.06	4.32	15.02	0.00	8.21	42.41	50.89	32.83	175
1991	Critical	8.48	3.28	4.61	3.53	3.06	3.39	8.80	3.39	8.21	50.89	50.89	8.21	157
1992	Critical	0.00	0.00	0.26	0.00	0.00	3.39	0.00	3.39	8.21	50.89	111.54	32.83	211
1993	Above Normal	0.00	0.00	0.00	0.00	0.00	3.39	1.02	0.00	0.00	0.00	32.36	0.37	37
1994	Critical	0.00	0.00	0.08	3.39	3.06	3.82	14.35	8.48	84.32	94.23	95.28	97.45	404
1995	Wet	8.48	3.28	3.39	0.00	0.00	0.00	4.56	0.00	0.00	71.12	1.39	77.56	170
1996	Wet	55.33	0.00	52.91	36.53	0.00	54.44	5.50	0.00	1.52	50.89	50.89	0.21	308
1997	Wet	0.00	24.18	35.17	31.47	3.06	3.39	15.02	0.00	41.04	67.85	67.85	49.25	338
1998	Wet	25.44	16.42	8.48	0.00	0.00	0.00	21.80	0.00	83.35	86.31	62.41	82.42	387
1999	Wet	59.40	34.30	40.84	20.81	0.00	37.97	3.28	0.00	1.19	50.89	50.89	40.04	340
2000	Above Normal	56.26	13.27	8.85	57.35	0.00	0.00	55.75	0.00	0.00	50.89	93.30	49.25	385
2001	Dry	25.44	0.33	8.48	8.48	7.66	3.39	2.26	8.48	41.04	111.54	97.31	49.25	364
2002	Dry	32.92	16.42	0.52	0.00	3.06	3.39	10.29	0.00	24.62	67.85	86.98	49.25	295
2003	Above Normal	48.90	55.64	3.39	0.00	3.06	0.00	0.00	0.00	2.01	50.89	50.89	49.25	264
Average		30	12	9	12	4	12	10	6	22	62	61	52	292
Wet		35	15	14	17	6	16	9	10	18	60	45	66	310
Above Normal		49	17	6	7	1	14	9	1	14	51	71	47	287
Below Normal		25	7	7	8	3	17	12	2	23	53	64	49	271
Dry														

Difference in Energy generated (GWh) at Judge Francis Carr : CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norm	0	0	0	0	0	5	0	0	0	17	0	0	2
1923	Below Norm	0	8	4	5	0	0	0	0	0	-26	0	-8	-1
1924	Critical	0	0	0	-4	-20	-3	12	0	0	0	0	-27	-4
1925	Dry	0	0	0	4	0	0	0	0	16	-8	0	0	1
1926	Dry	0	0	0	0	0	0	0	0	16	0	-1	0	1
1927	Wet	0	0	0	3	0	0	0	0	0	0	17	16	3
1928	Above Norm	0	16	5	5	0	0	0	0	0	17	0	-33	1
1929	Critical	0	0	0	-51	0	5	0	1	0	0	0	0	-4
1930	Dry	0	0	8	0	0	0	0	0	0	0	0	0	1
1931	Critical	0	0	0	0	0	-2	0	0	0	0	0	0	0
1932	Dry	3	-1	0	0	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	1	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	1	0	0	2	-4	0
1935	Below Norm	10	0	0	-5	0	0	0	0	0	0	0	0	0
1936	Below Norm	0	0	0	0	0	3	-3	0	0	0	0	0	0
1937	Below Norm	0	0	0	0	0	0	-3	0	0	0	0	8	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	-10	-1
1939	Dry	0	0	0	0	0	-40	0	4	-26	110	0	-20	2
1940	Above Norm	-35	-28	0	0	0	0	0	0	0	0	0	33	-2
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	-11	0	0	11	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	-16	-1
1944	Dry	3	0	0	0	0	0	0	0	0	-2	-15	0	-1
1945	Below Norm	0	0	0	0	5	0	0	0	19	0	0	0	2
1946	Below Norm	17	0	0	0	0	0	0	0	0	0	0	0	1
1947	Dry	0	0	0	3	-3	5	0	0	0	0	-14	0	-1
1948	Below Norm	0	0	0	-3	0	0	0	0	0	0	0	0	0
1949	Dry	23	0	0	0	0	-8	0	0	20	0	0	-16	1
1950	Below Norm	0	0	0	0	0	2	0	0	0	0	0	0	0
1951	Above Norm	0	0	0	0	0	-2	-33	0	0	0	0	0	-3
1952	Wet	17	-16	0	0	0	17	0	0	0	1	0	0	1
1953	Wet	0	0	0	0	0	0	-17	0	0	17	0	0	0
1954	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	-16	0	0	0	0	0	0	0	0	0	0	-1
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1957	Above Norm	0	0	0	0	0	0	0	0	0	0	0	-16	-1
1958	Wet	0	16	0	0	0	0	0	0	0	0	0	0	1
1959	Below Norm	0	0	0	0	0	0	0	0	0	0	0	-30	-2
1960	Dry	-10	20	0	3	0	0	0	0	0	0	0	0	1
1961	Dry	0	0	0	8	0	0	0	0	0	0	-44	0	-3
1962	Below Norm	0	13	5	5	0	0	0	0	0	0	0	0	2
1963	Wet	-8	0	0	0	0	0	0	0	0	0	0	-7	-1
1964	Dry	0	42	0	-4	-40	2	-7	0	0	0	0	0	-1
1965	Wet	0	0	0	0	0	0	0	0	41	0	-25	-43	-2
1966	Below Norm	0	1	22	5	0	0	0	0	0	0	-18	0	1
1967	Wet	0	0	19	0	0	0	0	0	0	0	0	0	2
1968	Below Norm	0	0	0	0	0	0	0	0	0	0	-17	0	-1
1969	Wet	0	0	0	0	0	0	0	17	0	0	0	0	1
1970	Wet	0	0	0	0	0	0	0	0	0	66	-42	0	2
1971	Wet	0	0	0	0	-12	25	0	0	0	0	0	0	1
1972	Below Norm	0	0	0	0	0	0	0	0	47	0	-25	0	2
1973	Above Norm	-11	-16	0	0	0	0	0	0	0	0	0	-16	-4
1974	Wet	16	0	0	0	0	0	0	0	0	0	0	0	1
1975	Wet	0	0	0	0	0	0	0	0	0	0	1	0	0
1976	Critical	0	0	0	-57	0	5	0	12	51	0	0	0	1
1977	Critical	31	-7	20	-10	8	0	-28	0	0	61	-4	3	6
1978	Above Norm	-27	0	0	0	0	0	0	0	0	0	0	0	-2
1979	Below Norm	0	0	0	0	0	0	0	-3	0	0	0	-16	-2
1980	Above Norm	0	0	0	0	0	0	-27	0	0	0	0	-28	-5
1981	Dry	-25	16	5	0	0	0	0	0	25	-44	1	33	1
1982	Wet	0	0	0	5	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	-60	-5
1985	Dry	0	4	30	-46	0	47	0	-1	-36	0	0	16	1
1986	Wet	16	-1	0	0	0	0	-16	0	20	0	0	16	3
1987	Dry	0	8	5	5	5	0	0	0	-4	0	-110	34	-5
1988	Critical	37	-1	0	5	8	0	-5	0	4	0	0	0	4
1989	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	3	3	0	0	0	0	0	0	0	1
1992	Critical	0	0	0	0	0	3	0	0	0	0	61	-34	3
1993	Above Norm	-8	0	0	-3	-3	0	1	0	0	0	3	0	-1
1994	Critical	0	0	0	-34	0	0	0	-17	9	9	9	28	0
1995	Wet	0	0	0	0	0	0	-18	0	0	0	0	0	-1
1996	Wet	0	-12	12	0	0	0	-11	0	0	0	0	0	-1
1997	Wet	0	10	0	0	0	0	-37	0	0	0	-17	0	-4
1998	Wet	0	13	0	0	0	0	-13	0	0	1	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norm	0	0	0	0	0	0	0	0	0	0	0	-16	-1
2001	Dry	0	0	0	0	0	0	0	0	-40	0	12	0	-2
2002	Dry	7	0	-8	0	0	0	0	0	0	0	2	0	0
2003	Above Norm	11	37	0	0	0	0	0	0	0	0	0	-41	1
Average		1	1	2	-2	-1	1	-3	0	2	3	-3	-3	0
Wet		2	0	1	0	0	2	-5	1	2	4	-3	-4	0
Above Norm		-6	1	0	0	0	0	-5	0	0	3	0	-10	-1
Below Norm		2	2	2	0	0	0	0	5	-2	-4	-3	0	0
Dry		0	4	2	-1	-2	0	0	0	-2	3	-9	3	0
Critical		6	-1	2	-12	0	1	-2	0	5	6	6	-3	1

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy generated (GWh) at Judge Francis Carr : CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	0%	0%	150%	0%	0%	0%	33%	0%	0%
1923	Below Norma	0%	100%	82%	150%	0%	0%	0%	0%	0%	-31%	0%	-14%
1924	Critical	0%	0%	0%	-7%	-58%	-48%	90%	0%	0%	0%	0%	-77%
1925	Dry	0%	0%	0%	5%	0%	0%	0%	0%	200%	-20%	0%	0%
1926	Dry	0%	0%	0%	0%	0%	0%	0%	0%	200%	0%	-2%	0%
1927	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	33%	25%
1928	Above Norma	0%	0%	138%	150%	0%	-100%	0%	0%	0%	33%	0%	-40%
1929	Critical	0%	0%	0%	-72%	0%	150%	0%	11%	0%	0%	0%	0%
1930	Dry	0%	0%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1931	Critical	0%	0%	0%	0%	0%	-38%	0%	0%	0%	0%	0%	0%
1932	Dry	13%	-14%	0%	1%	0%	0%	-3%	2%	0%	0%	-1%	0%
1933	Critical	1%	-1%	2142%	0%	0%	0%	0%	-78%	0%	0%	0%	0%
1934	Critical	0%	0%	-100%	0%	0%	0%	0%	16%	0%	0%	5%	-8%
1935	Below Norma	109%	0%	-100%	-56%	0%	0%	0%	0%	0%	0%	0%	0%
1936	Below Norma	0%	0%	0%	0%	0%	0%	-28%	0%	0%	0%	0%	0%
1937	Below Norma	0%	0%	0%	0%	0%	0%	-100%	0%	0%	0%	0%	33%
1938	Wet	0%	0%	0%	0%	0%	216%	0%	0%	0%	0%	0%	-12%
1939	Dry	0%	0%	0%	0%	0%	-80%	0%	13%	-28%	7407%	0%	-26%
1940	Above Norma	-31%	-50%	0%	0%	0%	-59%	0%	0%	0%	0%	0%	67%
1941	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1942	Wet	0%	0%	0%	0%	-100%	0%	-100%	0%	0%	19%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-25%
1944	Dry	15%	0%	0%	0%	0%	0%	0%	0%	0%	-2%	-17%	0%
1945	Below Norma	0%	0%	0%	0%	150%	0%	0%	0%	304%	0%	0%	0%
1946	Below Norma	200%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1947	Dry	0%	0%	0%	63%	-95%	150%	0%	0%	0%	0%	-15%	0%
1948	Below Norma	0%	0%	0%	-100%	0%	0%	0%	0%	0%	0%	0%	0%
1949	Dry	782%	0%	0%	0%	0%	-100%	0%	0%	384%	0%	0%	-25%
1950	Below Norma	0%	0%	0%	0%	0%	34%	0%	0%	0%	0%	0%	0%
1951	Above Norma	0%	0%	0%	0%	-97%	-36%	-73%	0%	0%	0%	0%	0%
1952	Wet	67%	-100%	0%	0%	0%	84%	-63%	0%	0%	4%	0%	0%
1953	Wet	0%	0%	0%	-100%	0%	0%	-67%	0%	0%	41%	0%	0%
1954	Above Norma	0%	0%	0%	-100%	161%	0%	0%	0%	0%	0%	0%	0%
1955	Dry	0%	-100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1956	Wet	0%	0%	0%	0%	10%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-25%
1958	Wet	0%	61%	0%	0%	0%	0%	248296%	0%	0%	0%	0%	0%
1959	Below Norma	0%	-100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-38%
1960	Dry	-28%	62%	1%	23%	0%	0%	0%	0%	0%	0%	0%	0%
1961	Dry	0%	0%	0%	9760%	-100%	0%	0%	0%	0%	0%	-39%	0%
1962	Below Norma	0%	400%	150%	150%	0%	0%	0%	0%	0%	0%	0%	0%
1963	Wet	-100%	0%	0%	0%	-96%	0%	-100%	0%	0%	0%	0%	-21%
1964	Dry	0%	2433%	0%	-21%	-93%	47%	-55%	0%	0%	0%	0%	0%
1965	Wet	0%	0%	0%	0%	0%	0%	-100%	0%	946%	0%	-27%	-94%
1966	Below Norma	0%	0%	0%	35%	0%	0%	0%	0%	0%	0%	-16%	0%
1967	Wet	0%	0%	272%	0%	0%	0%	5%	0%	-100%	0%	0%	0%
1968	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-20%	0%
1969	Wet	0%	0%	0%	-100%	0%	0%	0%	261%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	4381%	-38%	0%
1971	Wet	0%	0%	0%	139%	-79%	162%	-82%	0%	0%	0%	0%	0%
1972	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	1716%	0%	-27%	0%
1973	Above Norma	-27%	-100%	-100%	160%	0%	0%	0%	0%	0%	0%	0%	-25%
1974	Wet	156716%	0%	0%	0%	0%	0%	0%	-100%	0%	0%	3%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	3%	0%
1976	Critical	0%	0%	0%	-59%	0%	124%	0%	143%	97%	0%	0%	0%
1977	Critical	121%	-41%	152%	-74%	194%	0%	-62%	0%	0%	119%	-3%	9%
1978	Above Norma	-30%	0%	-100%	-54%	0%	-7%	0%	0%	0%	0%	0%	0%
1979	Below Norma	0%	0%	0%	0%	0%	0%	0%	-100%	0%	0%	0%	-25%
1980	Above Norma	0%	0%	393%	0%	0%	0%	-89%	0%	0%	0%	0%	-42%
1981	Dry	-100%	0%	150%	0%	0%	0%	0%	0%	100%	-39%	0%	67%
1982	Wet	0%	0%	-100%	27%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-92%
1985	Dry	-100%	0%	616051087%	-93%	0%	868%	0%	-10%	-47%	0%	0%	27%
1986	Wet	50%	-19%	0%	0%	-100%	0%	-24%	0%	83%	0%	0%	33%
1987	Dry	0%	100%	138%	150%	150%	0%	0%	0%	-8%	0%	-99%	59%
1988	Critical	145%	-9%	0%	150%	0%	0%	-27%	0%	10%	0%	0%	0%
1989	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1990	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	0%	3650%	1316%	0%	0%	0%	0%	0%	0%	0%
1992	Critical	0%	0%	0%	0%	0%	0%	-100%	0%	0%	0%	119%	-51%
1993	Above Norma	-100%	0%	0%	-100%	-100%	0%	17798377%	0%	0%	0%	11%	0%
1994	Critical	0%	-100%	0%	-91%	0%	0%	0%	-67%	12%	11%	11%	39%
1995	Wet	0%	0%	0%	-72%	0%	0%	-80%	-70%	0%	0%	0%	0%
1996	Wet	0%	-100%	29%	0%	-100%	0%	-66%	0%	0%	0%	0%	0%
1997	Wet	0%	76%	0%	0%	0%	0%	-71%	0%	0%	0%	-20%	0%
1998	Wet	0%	400%	0%	-100%	0%	-100%	-37%	35%	0%	1%	0%	0%
1999	Wet	0%	0%	0%	0%	-100%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norma	0%	0%	0%	0%	-100%	-100%	0%	0%	-44%	0%	0%	-25%
2001	Dry	0%	0%	0%	0%	0%	0%	0%	0%	-49%	0%	15%	0%
2002	Dry	29%	0%	-94%	0%	0%	0%	0%	0%	0%	0%	3%	0%
2003	Above Norma	30%	195%	0%	0%	0%	-36%	0%	0%	0%	0%	0%	-45%
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Average		2132%	365352909%	25824143%	194%	13%	18%	266843%	2%	52%	148%	-2%	-4%
Wet		6028%	12%	8%	-8%	-22%	14%	95468%	5%	36%	171%	-2%	-7%
Above Norma		-13%	4%	28%	5%	-11%	-16%	1483185%	0%	-4%	6%	1%	-11%
Below Norma		22%	29%	79583109%	13%	11%	2%	-9%	-7%	144%	-2%	-5%	-3%
Dry		34%	34225074%	549%	-8%	49%	-3%	0%	0%	42%	408%	-9%	6%
Critical		22%	-12%	183%	291%	121%	16%	-8%	2%	10%	11%	11%	-7%

Energy generated (GWh) at Keswick Dam : CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	32.00	21.47	20.85	16.82	19.42	21.60	20.90	24.07	46.32	58.22	50.19	29.62	361
1923	Below Normal	22.00	20.90	19.52	15.79	19.51	21.60	20.90	45.76	49.24	56.59	46.16	28.99	367
1924	Critical	31.42	24.44	18.92	14.93	14.77	18.55	33.51	34.68	46.54	46.49	37.42	18.66	340
1925	Dry	14.65	14.96	15.79	14.93	13.49	35.21	15.28	17.97	39.26	50.88	43.76	23.92	300
1926	Dry	26.85	20.51	19.13	15.88	14.26	20.19	18.91	28.41	43.15	53.51	39.65	19.57	320
1927	Wet	18.70	16.32	15.79	21.60	65.96	21.60	39.83	40.05	47.72	60.94	49.70	29.04	427
1928	Above Normal	26.43	26.60	21.60	21.60	20.21	68.39	15.28	46.87	52.11	60.23	56.31	31.81	447
1929	Critical	29.34	20.43	19.08	15.79	14.26	15.79	27.58	31.68	37.10	50.16	39.92	25.75	327
1930	Dry	25.57	18.61	15.79	15.79	16.06	19.51	20.96	27.09	44.56	50.50	42.46	21.64	319
1931	Critical	22.91	17.67	16.50	15.79	14.26	15.79	34.66	32.89	42.26	50.95	40.10	24.19	328
1932	Dry	27.59	15.16	15.66	14.93	13.97	15.79	22.95	18.88	30.72	41.23	33.25	17.71	268
1933	Critical	18.86	14.86	13.96	14.93	14.26	15.79	21.26	24.20	32.16	45.23	40.55	24.89	281
1934	Critical	21.99	15.28	15.79	15.79	14.26	15.79	25.33	30.21	46.32	48.19	38.53	21.99	309
1935	Below Normal	18.56	14.45	15.79	14.93	13.49	15.79	15.28	26.97	42.04	49.57	42.87	21.78	292
1936	Below Normal	21.21	18.65	15.79	15.79	14.86	21.60	20.90	30.14	37.70	52.72	45.40	23.76	319
1937	Below Normal	26.62	22.79	17.51	15.79	14.26	15.79	15.28	22.01	38.18	48.27	42.16	22.68	301
1938	Wet	21.60	26.94	76.06	21.60	65.28	71.12	54.11	36.87	40.61	52.48	49.34	47.14	563
1939	Dry	40.43	21.82	21.60	17.43	14.26	21.60	40.51	39.80	54.58	63.00	51.97	35.93	423
1940	Above Normal	25.57	23.46	16.74	15.79	68.05	75.00	20.90	29.82	48.98	61.78	50.83	33.64	471
1941	Wet	28.13	22.08	34.50	73.78	67.13	58.73	58.09	59.92	42.28	59.09	59.57	50.88	614
1942	Wet	38.84	21.36	74.65	75.90	65.94	21.60	20.90	44.23	37.71	54.17	56.46	49.89	562
1943	Wet	38.36	25.30	30.28	54.92	34.16	56.36	22.99	35.16	45.35	63.13	49.73	28.40	484
1944	Dry	26.94	23.07	21.60	17.43	20.21	21.60	31.70	29.55	42.63	53.90	49.62	32.34	371
1945	Below Normal	25.67	19.23	17.95	15.79	19.51	21.60	21.91	28.58	43.16	58.16	48.39	33.78	354
1946	Below Normal	26.63	23.24	74.42	34.09	26.43	21.60	29.78	35.21	47.88	57.26	46.80	26.07	449
1947	Dry	31.96	20.90	19.52	18.30	19.16	21.26	22.15	41.67	50.59	59.59	45.97	33.97	385
1948	Below Normal	18.31	17.37	16.21	15.79	35.13	15.79	17.98	22.65	41.08	56.01	46.39	34.02	337
1949	Dry	29.74	20.90	21.60	17.43	37.71	15.79	19.61	32.24	47.60	66.83	47.95	24.98	382
1950	Below Normal	29.67	22.71	21.16	19.25	18.89	21.60	20.90	32.93	43.03	51.45	43.34	24.92	350
1951	Above Normal	21.60	40.18	67.26	34.96	62.63	21.60	32.13	24.40	48.65	67.44	46.80	28.94	497
1952	Wet	24.72	20.90	68.22	37.06	70.85	52.03	73.66	41.87	33.78	48.18	49.18	49.11	570
1953	Wet	37.42	20.90	43.51	72.61	19.51	21.60	20.90	42.71	42.88	59.28	48.79	49.55	480
1954	Above Normal	38.76	36.49	23.60	60.25	68.50	50.46	45.03	57.21	47.79	67.44	54.98	25.48	576
1955	Dry	26.60	20.90	19.84	15.79	23.75	21.60	26.40	25.59	50.21	55.37	40.18	21.80	348
1956	Wet	24.31	20.90	72.93	72.06	69.83	21.60	20.90	47.24	41.47	49.21	44.14	49.45	534
1957	Above Normal	41.66	20.90	21.60	17.43	40.13	48.53	46.18	24.80	45.47	67.44	52.40	20.43	447
1958	Wet	40.05	33.16	49.77	62.68	59.93	74.94	42.32	41.75	61.44	52.46	51.52	62.22	512
1959	Below Normal	40.38	20.90	21.60	44.73	56.10	41.83	37.00	38.43	63.11	67.04	61.26	21.89	514
1960	Dry	29.72	28.14	20.70	15.79	14.77	20.98	25.54	21.88	53.59	55.91	48.73	32.53	368
1961	Dry	23.82	19.79	18.48	15.79	22.65	28.10	35.05	32.54	53.86	67.44	75.49	25.36	418
1962	Below Normal	25.05	23.98	21.60	25.22	25.08	21.60	24.87	35.15	46.49	67.44	47.70	33.52	398
1963	Wet	21.60	24.03	40.77	21.60	34.15	48.78	71.14	25.71	42.63	65.92	46.99	23.01	466
1964	Dry	30.93	38.02	21.60	21.60	20.21	21.60	42.49	35.88	44.50	52.61	46.22	30.80	406
1965	Wet	23.62	19.43	76.14	74.90	14.26	21.27	35.00	41.67	45.71	58.61	40.79	23.48	475
1966	Below Normal	28.96	41.38	21.60	29.01	25.30	58.90	36.60	37.25	62.59	67.44	55.93	32.94	498
1967	Wet	35.98	19.48	39.21	46.25	33.64	67.44	44.70	63.89	42.29	56.85	51.17	50.48	551
1968	Below Normal	40.76	20.90	21.60	21.60	66.55	21.60	35.96	34.25	64.93	62.51	52.06	29.24	472
1969	Wet	20.72	20.45	21.60	75.78	67.53	27.02	52.13	52.68	42.73	53.15	47.84	46.46	528
1970	Wet	40.58	20.90	72.88	66.57	53.78	21.60	42.79	34.84	49.67	67.44	48.97	25.14	545
1971	Wet	28.31	20.47	52.76	64.58	32.51	67.44	23.31	42.91	41.78	64.20	44.57	45.78	529
1972	Below Normal	41.16	23.57	21.82	21.60	23.71	65.23	34.27	35.13	56.28	63.18	57.44	25.73	469
1973	Above Normal	26.22	20.90	31.57	65.40	68.29	34.68	20.90	27.92	49.58	63.05	52.38	23.78	485
1974	Wet	25.06	69.97	75.09	69.90	23.56	70.74	31.53	30.94	42.57	49.53	54.88	52.44	596
1975	Wet	40.13	23.14	21.60	21.60	29.24	72.87	20.90	43.68	45.60	53.39	53.17	51.81	477
1976	Critical	45.58	25.93	21.60	17.43	20.21	21.60	24.53	36.70	55.73	58.92	33.54	21.06	383
1977	Critical	28.16	20.90	22.35	18.11	17.42	17.76	42.75	27.51	65.26	67.44	49.58	21.50	399
1978	Above Normal	29.48	17.34	15.79	16.02	34.68	64.28	29.13	42.02	47.68	56.41	46.62	20.91	420
1979	Below Normal	28.59	20.90	21.60	21.60	14.26	15.79	15.77	26.74	57.97	59.03	40.13	23.35	346
1980	Above Normal	21.60	24.17	19.52	75.92	67.48	21.60	20.90	31.70	48.23	56.73	45.80	24.04	458
1981	Dry	24.84	26.49	21.60	17.43	19.51	28.46	15.28	37.49	65.26	62.51	53.83	36.40	409
1982	Wet	18.51	35.12	74.47	35.56	66.96	61.27	71.34	16.61	35.48	48.27	43.63	47.73	555
1983	Wet	44.35	31.14	58.39	75.48	63.96	68.11	45.20	57.85	64.98	66.48	64.53	55.24	696
1984	Wet	43.18	60.38	73.72	35.40	20.21	46.35	32.71	35.67	47.07	67.44	42.96	23.70	529
1985	Dry	30.08	46.92	26.72	21.60	19.51	15.79	24.12	41.81	56.06	59.69	57.11	34.92	434
1986	Wet	28.34	19.75	17.01	15.79	62.60	75.26	20.90	33.15	49.22	52.45	45.77	18.07	438
1987	Dry	21.60	22.63	21.60	17.43	14.26	15.79	38.77	45.82	65.26	65.10	40.43	33.12	402
1988	Critical	27.88	21.98	16.84	15.79	21.13	23.57	25.51	27.48	58.30	59.71	38.15	29.15	365
1989	Dry	28.59	15.28	15.79	15.79	14.26	15.79	15.28	44.63	45.24	56.61	42.34	27.05	337
1990	Critical	18.73	27.11	20.83	16.80	15.63	15.79	31.07	20.43	40.89	54.65	35.80	22.43	320
1991	Critical	22.47	19.44	16.87	15.79	14.26	15.79	15.28	28.41	34.72	42.91	34.03	22.38	282
1992	Critical	20.60	20.75	15.79	15.79	14.77	15.79	15.89	45.36	59.94	58.34	47.87	26.88	358
1993	Above Normal	23.94	19.19	15.79	15.79	14.26	15.79	22.76	48.79	44.48	57.87	38.29	37.44	354
1994	Critical	28.85	20.90	21.60	17.43	14.26	24.37	34.54	31.97	55.90	62.51	56.61	30.59	400
1995	Wet	25.75	20.39	15.79	56.82	31.23	68.06	37.02	56.99	41.33	58.07	51.29	49.61	512
1996	Wet	38.38	26.75	28.48	22.18	66.63	49.89	20.90	50.81	41.40	56.09	43.13	37.87	483
1997	Wet	30.96	32.72	72.08	70.62	19.51	21.60	35.62	41.78	49.30	63.09	41.42	25.46	504
1998	Wet	26.46	20.90	19.52	74.24	61.88	75.68	20.90	71.63	72.99	67.44	63.38	54.38	629
1999	Wet	43.85	48.76	51.64	36.04	67.01	59.12	20.90	43.19	43.53	62.60	45.11	38.56	560
2000	Above Normal	40.53	27.43	21.60	49.46	66.25	34.80	24.09	37.74	52.69	67.44	53.00	22.77	498
2001	Dry	37.82	44.59	29.07	21.29	19.06	15.79	28.99	43.01	60.37	56.09	39.54	23.41	419
2002	Dry	36.59	18.48	17.25	42.10	36.52	28.30	28.02	37.37	51.30	63.04	40.39	33.17	433
2003	Above Normal	31.45	24.10	18.06	65.28	25.23	15.79	3						

Shasta Lake Water Resource Investigation
Socioeconomic Appendix - Power and Energy Technical Report

Energy generated (GWh) at Keswick Dam : CP1_2020

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	32.00	21.47	20.85	16.82	19.42	21.60	20.90	24.07	46.32	58.22	50.19	29.62	361
1923	Below Normal	22.00	20.90	19.52	15.79	19.51	21.60	20.90	43.16	46.55	51.45	43.09	26.66	351
1924	Critical	29.22	22.23	17.68	15.79	14.77	17.76	33.50	34.72	46.90	47.22	37.94	27.00	345
1925	Dry	17.63	15.28	15.79	14.93	13.49	33.48	15.28	18.13	40.05	51.17	43.96	23.94	303
1926	Dry	26.92	20.54	19.14	15.79	14.26	19.91	18.69	30.85	45.48	53.63	42.01	21.44	329
1927	Wet	21.07	16.33	15.79	21.60	67.29	21.60	39.79	40.02	47.75	74.52	50.88	28.51	445
1928	Above Normal	26.11	20.90	21.60	17.43	20.21	48.07	20.90	48.21	56.10	61.02	55.05	27.53	423
1929	Critical	29.05	20.90	19.52	15.79	14.26	15.79	27.74	31.92	36.63	50.90	40.12	25.44	328
1930	Dry	25.62	18.59	15.79	15.79	16.58	20.00	20.98	27.10	44.58	50.53	42.71	21.43	320
1931	Critical	22.90	17.68	16.50	15.79	14.26	15.79	34.67	32.89	44.93	51.02	39.97	25.46	332
1932	Dry	26.48	14.98	15.48	14.93	13.97	15.79	23.02	18.44	30.81	41.31	33.31	17.74	266
1933	Critical	18.88	14.85	13.96	14.93	14.26	15.79	21.25	24.23	32.23	45.25	40.54	26.43	283
1934	Critical	22.29	15.57	15.79	15.79	14.26	15.79	24.92	29.40	46.08	48.07	38.65	19.75	306
1935	Below Normal	17.26	14.45	15.79	14.93	13.49	15.79	15.28	26.89	42.01	49.53	42.84	21.77	290
1936	Below Normal	21.20	18.62	15.79	15.79	14.97	21.60	20.90	30.05	37.59	52.58	44.51	24.47	318
1937	Below Normal	26.66	22.77	17.59	15.81	14.26	15.79	16.62	22.00	38.05	48.13	42.06	22.65	302
1938	Wet	21.60	20.90	64.65	21.60	65.28	71.12	54.08	36.82	40.61	52.49	49.35	45.65	544
1939	Dry	40.39	21.80	21.60	17.43	14.26	21.60	42.32	39.98	58.38	62.51	53.87	34.70	429
1940	Above Normal	25.43	24.57	16.74	15.79	68.88	75.00	20.90	30.75	49.05	62.02	50.82	33.67	474
1941	Wet	29.49	24.89	33.03	73.78	67.13	58.70	58.07	59.88	42.29	58.97	59.50	50.83	617
1942	Wet	38.80	21.34	74.63	75.90	65.94	21.60	20.90	42.72	37.66	54.76	57.13	49.83	561
1943	Wet	38.32	25.28	30.27	54.91	34.14	56.34	22.96	35.12	45.41	63.12	49.78	28.43	484
1944	Dry	26.95	23.06	21.60	17.43	20.21	21.60	31.72	29.75	48.01	55.97	51.44	31.60	379
1945	Below Normal	25.55	19.55	18.25	15.79	19.51	21.60	21.88	28.44	42.98	59.79	49.50	33.91	357
1946	Below Normal	25.42	20.90	75.02	34.08	27.24	21.60	30.05	35.54	48.24	64.18	47.83	26.86	457
1947	Dry	35.81	20.90	19.52	18.23	19.18	21.27	22.09	41.59	47.36	60.89	45.97	32.36	385
1948	Below Normal	20.56	17.75	16.57	15.79	33.28	15.79	18.04	15.79	33.66	54.96	48.63	36.74	328
1949	Dry	29.75	20.90	21.60	17.43	40.20	15.79	19.57	32.32	50.12	67.49	47.92	24.94	388
1950	Below Normal	29.65	22.82	21.21	19.77	19.28	21.60	20.90	33.01	42.35	52.09	44.94	23.49	351
1951	Above Normal	28.40	24.01	67.25	34.95	62.62	21.60	32.15	24.41	48.66	67.44	47.09	28.97	488
1952	Wet	26.10	20.90	62.05	37.05	70.86	54.10	73.67	41.82	33.77	48.18	49.11	49.06	567
1953	Wet	37.38	20.90	43.48	72.61	19.51	21.60	20.90	40.37	42.84	59.85	50.26	49.49	479
1954	Above Normal	38.72	36.47	23.58	60.23	68.50	50.44	44.99	57.85	46.86	67.44	55.37	25.57	576
1955	Dry	29.77	20.90	19.52	15.79	27.69	16.52	27.18	26.67	52.74	61.18	40.60	21.73	360
1956	Wet	23.89	20.90	73.96	72.06	69.83	21.60	20.90	47.15	41.47	49.21	43.94	49.39	534
1957	Above Normal	41.62	20.90	21.60	17.43	40.07	48.51	46.27	25.01	45.87	67.44	54.41	20.55	450
1958	Wet	34.66	35.28	49.76	62.67	59.93	74.99	51.71	42.27	41.71	61.38	52.38	51.46	618
1959	Below Normal	40.32	20.90	21.60	44.68	56.09	42.60	37.02	38.42	65.26	65.02	61.04	21.97	515
1960	Dry	29.73	39.71	21.44	15.79	14.77	21.08	25.53	21.91	53.07	57.72	47.94	31.09	380
1961	Dry	23.74	20.39	19.04	15.79	14.26	21.06	34.93	34.26	54.04	67.44	60.07	28.35	393
1962	Below Normal	28.48	30.76	21.60	23.67	34.70	21.60	25.13	35.65	47.10	67.44	56.96	28.44	422
1963	Wet	21.60	20.90	36.50	21.60	34.12	52.79	71.42	25.67	42.64	64.84	46.94	23.02	462
1964	Dry	30.89	43.38	21.60	21.60	20.21	21.60	42.70	36.01	46.80	57.98	48.07	28.00	419
1965	Wet	23.32	19.37	63.74	74.90	14.26	24.60	31.71	43.81	46.26	62.07	41.28	23.61	469
1966	Below Normal	25.06	34.46	22.17	32.00	25.29	58.88	36.57	37.25	62.83	67.44	60.47	30.25	493
1967	Wet	33.64	20.47	37.93	46.24	33.63	67.44	44.69	63.85	42.25	56.78	51.09	50.42	548
1968	Below Normal	40.71	20.90	21.60	21.60	66.49	21.60	36.09	34.63	65.26	62.51	52.14	28.75	472
1969	Wet	21.60	20.90	19.52	75.97	67.53	27.00	52.10	54.75	42.80	53.13	47.82	46.18	529
1970	Wet	40.55	20.90	72.88	66.57	53.77	21.60	42.87	35.07	50.96	67.44	49.92	25.21	548
1971	Wet	30.09	20.34	51.17	64.56	36.27	65.53	23.21	42.94	41.77	64.16	44.56	45.60	530
1972	Below Normal	41.13	23.55	21.81	21.60	23.68	65.20	34.59	35.48	54.13	65.32	59.45	27.60	474
1973	Above Normal	23.08	20.90	28.60	65.39	68.29	34.67	20.90	27.93	49.66	67.44	48.07	23.43	478
1974	Wet	24.73	69.97	75.09	69.90	23.54	70.74	31.50	30.89	42.57	49.42	54.87	52.38	586
1975	Wet	40.08	23.12	21.60	21.60	29.20	72.87	20.90	43.62	45.59	53.33	53.18	51.75	477
1976	Critical	45.54	25.91	21.60	17.43	55.42	21.60	23.73	35.16	53.60	58.44	31.41	21.37	411
1977	Critical	29.68	20.90	25.61	18.02	35.66	17.36	41.78	27.27	65.26	67.44	33.78	21.99	405
1978	Above Normal	19.35	12.50	14.85	16.02	19.51	60.10	29.10	41.98	47.74	56.45	46.65	20.52	385
1979	Below Normal	28.54	20.90	21.60	21.60	19.51	15.79	16.25	26.59	58.42	59.87	39.99	23.25	352
1980	Above Normal	21.60	20.90	19.52	73.48	67.48	21.60	20.90	31.72	48.24	56.74	45.80	24.04	452
1981	Dry	24.84	26.49	21.60	17.43	19.51	21.60	15.28	37.58	65.26	67.44	55.43	29.81	402
1982	Wet	19.59	33.75	74.47	36.17	66.96	61.25	71.34	16.55	35.48	48.27	43.45	47.68	555
1983	Wet	44.31	31.13	58.38	75.48	63.96	68.11	45.17	57.80	64.94	66.41	64.46	55.18	695
1984	Wet	43.14	60.36	73.72	35.39	20.21	46.32	34.06	35.75	48.62	67.44	43.73	22.51	531
1985	Dry	21.60	44.85	30.69	21.60	19.51	21.60	24.67	42.13	62.81	59.79	56.43	34.47	440
1986	Wet	27.07	19.67	16.95	15.79	63.27	75.26	20.90	35.63	51.75	55.01	48.26	20.43	450
1987	Dry	23.40	24.84	21.60	17.43	14.26	15.79	38.94	45.72	63.02	63.02	40.57	37.45	406
1988	Critical	25.52	21.73	16.85	15.79	21.90	23.59	25.55	27.54	59.16	60.78	38.36	29.16	366
1989	Dry	28.59	15.28	16.74	15.79	14.26	15.79	20.90	44.40	43.73	55.70	39.86	27.08	338
1990	Critical	19.13	27.78	20.01	16.14	16.90	15.79	31.05	20.41	40.90	54.42	35.79	22.34	321
1991	Critical	22.48	19.42	16.88	15.79	14.26	15.79	15.28	28.49	34.84	43.14	34.32	22.43	283
1992	Critical	20.59	20.68	15.79	15.79	14.77	15.79	16.22	46.02	61.14	58.89	48.70	26.96	361
1993	Above Normal	24.26	20.37	15.79	15.79	14.26	15.79	20.90	30.44	44.43	58.02	38.43	37.39	336
1994	Critical	28.80	20.90	21.60	17.43	14.26	24.37	34.54	31.97	52.24	62.51	75.86	34.80	419
1995	Wet	26.77	20.23	15.79	31.51	31.21	68.06	34.67	56.95	41.28	58.00	51.22	49.55	485
1996	Wet	38.33	26.76	28.44	22.17	66.64	49.86	20.90	49.39	41.35	56.08	43.14	37.65	481
1997	Wet	30.92	34.07	72.08	70.62	19.51	21.60	35.87	42.06	49.60	64.02	41.74	25.59	508
1998	Wet	26.49	20.90	19.52	74.82	61.88	75.68	20.90	69.99	72.99	67.44	63.31	54.32	628
1999	Wet	43.81	48.74	51.63	36.03	67.01	59.10	20.90	43.12	43.52	62.61	45.11	38.30	560
2000	Above Normal	40.48	27.40	21.60	49.43	66.25	34.78	24.10	37.65	53.71	67.44	52.87	22.37	498
2001	Dry	35.52	45.22	28.45	21.60	19.51	15.79	29.07	45.45	62.49	58.58	43.21	22.17	427
2002	Dry	36.26	19.05	17.79	26.03	40.20	28.76	28.42	37.75	51.81	63.04	48.62	31.21	429
2003	Above Normal	34.49	35.47	18.35	45.90	24.19	20.30							

Difference in Energy generated (GWh) at Keswick Dam : CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	-3	-3	-5	-3	-2	-1
1924	Critical	-2	-2	-1	1	0	-1	0	0	0	1	1	8	0
1925	Dry	3	0	0	0	0	-2	0	0	1	0	0	0	0
1926	Dry	0	0	0	0	0	0	0	2	2	0	2	2	1
1927	Wet	2	0	0	0	1	0	0	0	0	14	1	-1	1
1928	Above Norma	0	-6	0	-4	0	-20	6	1	4	1	-1	-4	-2
1929	Critical	0	0	0	0	0	0	0	0	0	1	0	0	0
1930	Dry	0	0	0	0	1	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	3	0	0	1	0
1932	Dry	-1	0	0	0	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	2	0
1934	Critical	0	0	0	0	0	0	0	-1	0	0	0	-2	0
1935	Below Norma	-1	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	-1	1	0
1937	Below Norma	0	0	0	0	0	0	1	0	0	0	0	0	0
1938	Wet	0	-6	-11	0	0	0	0	0	0	0	0	-1	-2
1939	Dry	0	0	0	0	0	0	2	0	4	0	2	-1	0
1940	Above Norma	0	1	0	0	1	0	0	1	0	0	0	0	0
1941	Wet	1	3	-1	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	-2	0	1	1	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	5	2	2	-1	1
1945	Below Norma	0	0	0	0	0	0	0	0	0	2	1	0	0
1946	Below Norma	-1	-2	1	0	1	0	0	0	0	7	1	1	1
1947	Dry	4	0	0	0	0	0	0	0	-3	1	0	-2	0
1948	Below Norma	2	0	0	0	-2	0	0	-7	-7	-1	2	3	-1
1949	Dry	0	0	0	0	2	0	0	0	3	1	0	0	0
1950	Below Norma	0	0	0	1	0	0	0	0	-1	1	2	-1	0
1951	Above Norma	7	-16	0	0	0	0	0	0	0	0	0	0	-1
1952	Wet	1	0	-6	0	0	2	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	-2	0	1	1	0	0
1954	Above Norma	0	0	0	0	0	0	0	1	-1	0	0	0	0
1955	Dry	3	0	0	0	4	-5	1	1	3	6	0	0	1
1956	Wet	0	0	1	0	0	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	2	0	0
1958	Wet	-5	2	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	1	0	0	2	-2	0	0	0
1960	Dry	0	12	1	0	0	0	0	0	-1	2	-1	-1	1
1961	Dry	0	1	1	0	-8	-7	0	2	0	0	-15	3	-2
1962	Below Norma	3	7	0	-2	10	0	0	1	1	0	9	-5	2
1963	Wet	0	-3	-4	0	0	4	0	0	0	-1	0	0	0
1964	Dry	0	5	0	0	0	0	0	2	5	2	-3	-3	1
1965	Wet	0	0	-12	0	0	3	-3	2	1	3	0	0	0
1966	Below Norma	-4	-7	1	3	0	0	0	0	0	0	5	-3	0
1967	Wet	-2	1	-1	0	0	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	1	0	-2	0	0	0	0	2	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	1	0	1	0	0
1971	Wet	2	0	-2	0	4	-2	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	0	0	-2	2	2	2	0
1973	Above Norma	-3	0	-3	0	0	0	0	0	0	4	-4	0	-1
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	35	0	-1	-2	-2	0	-2	0	2
1977	Critical	2	0	3	0	18	0	-1	0	0	0	-16	0	1
1978	Above Norma	-10	-5	-1	0	-15	-4	0	0	0	0	0	0	-3
1979	Below Norma	0	0	0	0	5	0	0	0	0	1	0	0	1
1980	Above Norma	0	-3	0	-2	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	-7	0	0	0	5	2	-7	-1
1982	Wet	1	-1	0	1	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	1	0	2	0	1	-1	0
1985	Dry	-8	-2	4	0	0	6	1	0	7	0	-1	0	0
1986	Wet	-1	0	0	0	1	0	0	2	3	3	2	2	1
1987	Dry	2	2	0	0	0	0	0	0	-2	-2	0	4	0
1988	Critical	-2	0	0	0	1	0	0	0	1	1	0	0	0
1989	Dry	0	0	1	0	0	0	6	0	-2	-1	-2	0	0
1990	Critical	0	1	-1	-1	1	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	1	1	1	1	0	0
1993	Above Norma	0	1	0	0	0	0	-2	-18	0	0	0	0	-2
1994	Critical	0	0	0	0	0	0	0	0	-4	0	19	4	2
1995	Wet	1	0	0	-25	0	0	-2	0	0	0	0	0	-2
1996	Wet	0	0	0	0	0	0	0	-1	0	0	0	0	0
1997	Wet	0	1	0	0	0	0	0	0	0	1	0	0	0
1998	Wet	0	0	0	1	0	0	0	-2	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	1	0	0	0	0
2001	Dry	-2	1	-1	0	0	0	0	2	2	2	4	-1	1
2002	Dry	0	1	1	-16	4	0	0	0	1	0	8	-2	0
2003	Above Norma	3	11	0	-19	-1	5	-3	0	0	0	-3	-1	-1
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Average		0	0	0	-1	1	0	0	0	0	1	0	0	0
Wet		0	0	-2	-1	0	0	0	0	0	1	0	0	0
Above Norma		0	-1	0	-2	-1	-2	0	-1	0	0	0	-1	-1
Below Norma		0	0	0	0	1	0	0	-1	-1	0	1	0	0
Dry		0	1	0	-1	0	-1	1	0	1	1	0	-1	0
Critical		0	0	0	0	5	0	0	0	0	0	0	1	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy generated (GWh) at Keswick Dam : CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1923	Below Norm	0%	0%	0%	0%	0%	0%	0%	-6%	-5%	-9%	-7%	-8%
1924	Critical	-7%	-9%	-7%	6%	0%	-4%	0%	0%	1%	2%	1%	45%
1925	Dry	20%	2%	0%	0%	0%	-5%	0%	1%	2%	1%	0%	0%
1926	Dry	0%	0%	0%	-1%	0%	-1%	-1%	9%	5%	0%	6%	10%
1927	Wet	13%	0%	0%	0%	2%	0%	0%	0%	0%	22%	2%	-2%
1928	Above Norm	-1%	-21%	0%	-19%	0%	-30%	37%	3%	8%	1%	-2%	-13%
1929	Critical	-1%	2%	2%	0%	0%	0%	1%	1%	-1%	1%	1%	-1%
1930	Dry	0%	0%	0%	0%	3%	2%	0%	0%	0%	0%	1%	-1%
1931	Critical	0%	0%	0%	0%	0%	0%	0%	0%	6%	0%	0%	5%
1932	Dry	-4%	-1%	-1%	0%	0%	0%	0%	-2%	0%	0%	0%	0%
1933	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	6%
1934	Critical	1%	2%	0%	0%	0%	0%	-2%	-3%	-1%	0%	0%	-10%
1935	Below Norm	-7%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1936	Below Norm	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	-2%	3%
1937	Below Norm	0%	0%	0%	0%	0%	0%	9%	0%	0%	0%	0%	0%
1938	Wet	0%	-22%	-15%	0%	0%	0%	0%	0%	0%	0%	0%	-3%
1939	Dry	0%	0%	0%	0%	0%	0%	4%	0%	7%	-1%	4%	-3%
1940	Above Norm	-1%	5%	0%	0%	1%	0%	0%	3%	0%	0%	0%	0%
1941	Wet	5%	13%	-4%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1942	Wet	0%	0%	0%	0%	0%	0%	0%	-3%	0%	1%	1%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1944	Dry	0%	0%	0%	0%	0%	0%	0%	1%	13%	4%	4%	-2%
1945	Below Norm	0%	2%	2%	0%	0%	0%	0%	0%	3%	2%	2%	0%
1946	Below Norm	-5%	-10%	1%	0%	3%	0%	1%	1%	1%	12%	2%	3%
1947	Dry	12%	0%	0%	0%	0%	0%	0%	0%	-6%	2%	0%	-5%
1948	Below Norm	12%	2%	2%	0%	-5%	0%	0%	-30%	-18%	-2%	5%	8%
1949	Dry	0%	0%	0%	0%	7%	0%	0%	0%	5%	1%	0%	0%
1950	Below Norm	0%	1%	0%	3%	2%	0%	0%	0%	-2%	1%	4%	-6%
1951	Above Norm	31%	-40%	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%
1952	Wet	6%	0%	-9%	0%	0%	4%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	-5%	0%	1%	3%	0%
1954	Above Norm	0%	0%	0%	0%	0%	0%	0%	1%	-2%	0%	1%	0%
1955	Dry	12%	0%	-2%	0%	17%	-24%	3%	4%	5%	10%	1%	0%
1956	Wet	-2%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norm	0%	0%	0%	0%	0%	0%	0%	1%	1%	0%	4%	1%
1958	Wet	-13%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norm	0%	0%	0%	0%	0%	2%	0%	0%	3%	-3%	0%	0%
1960	Dry	0%	41%	4%	0%	0%	0%	0%	0%	-1%	3%	-2%	-4%
1961	Dry	0%	3%	3%	0%	-37%	-25%	0%	5%	0%	0%	-20%	12%
1962	Below Norm	14%	28%	0%	-6%	38%	0%	1%	1%	1%	0%	19%	-15%
1963	Wet	0%	-13%	-10%	0%	0%	8%	0%	0%	0%	-2%	0%	0%
1964	Dry	0%	14%	0%	0%	0%	0%	0%	5%	10%	4%	4%	-9%
1965	Wet	-1%	0%	-16%	0%	0%	16%	-9%	5%	1%	6%	1%	1%
1966	Below Norm	-13%	-17%	3%	10%	0%	0%	0%	0%	0%	0%	8%	-8%
1967	Wet	-7%	5%	-3%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1968	Below Norm	0%	0%	0%	0%	0%	0%	0%	1%	1%	0%	0%	-2%
1969	Wet	4%	2%	-10%	0%	0%	0%	0%	4%	0%	0%	0%	-1%
1970	Wet	0%	0%	0%	0%	0%	0%	0%	1%	3%	0%	2%	0%
1971	Wet	6%	-1%	-3%	0%	12%	-3%	0%	0%	0%	0%	0%	0%
1972	Below Norm	0%	0%	0%	0%	0%	0%	1%	1%	-4%	3%	4%	7%
1973	Above Norm	-12%	0%	-9%	0%	0%	0%	0%	0%	0%	7%	-8%	-1%
1974	Wet	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	174%	0%	-3%	-4%	-4%	-1%	-6%	2%
1977	Critical	5%	0%	15%	-1%	105%	-2%	-2%	-1%	0%	0%	-32%	2%
1978	Above Norm	-34%	-28%	-6%	0%	-44%	-6%	0%	0%	0%	0%	0%	-2%
1979	Below Norm	0%	0%	0%	0%	37%	0%	3%	-1%	1%	1%	0%	0%
1980	Above Norm	0%	-14%	0%	-3%	0%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	0%	-24%	0%	0%	0%	8%	3%	-18%
1982	Wet	6%	-4%	0%	2%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	4%	0%	3%	0%	2%	-5%
1985	Dry	-28%	-4%	15%	0%	0%	37%	2%	1%	12%	0%	-1%	-1%
1986	Wet	-4%	0%	0%	0%	1%	0%	0%	7%	5%	5%	5%	13%
1987	Dry	8%	10%	0%	0%	0%	0%	0%	0%	-3%	-3%	0%	13%
1988	Critical	-8%	-1%	0%	0%	4%	0%	0%	0%	1%	2%	1%	0%
1989	Dry	0%	0%	6%	0%	0%	0%	37%	-1%	-3%	-2%	-6%	0%
1990	Critical	2%	2%	-4%	-4%	8%	0%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%
1992	Critical	0%	0%	0%	0%	0%	0%	2%	1%	2%	1%	2%	0%
1993	Above Norm	1%	6%	0%	0%	0%	0%	-8%	-38%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	0%	0%	0%	0%	0%	-7%	0%	34%	14%
1995	Wet	4%	-1%	0%	-45%	0%	0%	-6%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	0%	0%	0%	0%	0%	-3%	0%	0%	0%	-1%
1997	Wet	0%	4%	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%
1998	Wet	0%	0%	0%	1%	0%	0%	0%	-2%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%
2000	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	2%	0%	0%	-2%
2001	Dry	-6%	1%	-2%	1%	2%	0%	0%	6%	3%	4%	9%	-5%
2002	Dry	-1%	3%	3%	-38%	10%	2%	1%	1%	1%	0%	20%	-6%
2003	Above Norm	10%	47%	2%	-30%	-4%	29%	-9%	0%	0%	0%	-6%	-5%
Average		0%	0%	-1%	-2%	4%	0%	1%	0%	1%	1%	1%	0%
Wet		1%	0%	-3%	-2%	1%	0%	0%	0%	1%	1%	0%	0%
Above Norm		0%	-4%	-1%	-4%	-4%	-1%	2%	-2%	1%	1%	-1%	-2%
Below Norm		0%	0%	1%	0%	5%	0%	1%	-2%	0%	2%	0%	-1%
Dry		1%	4%	1%	-2%	0%	-2%	3%	1%	3%	2%	1%	-1%
Critical		-1%	0%	1%	0%	24%	-1%	0%	0%	0%	0%	0%	5%

Difference in Energy generated (GWh) at Lewiston Dam : CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1927	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1932	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1935	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1940	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1945	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1946	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1947	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1948	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1949	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1951	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1961	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1963	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1965	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1966	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Below Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Dry		0	0	0	0	0	0	0	0	0	0	0	0	0
Critical		0	0	0	0	0	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy generated (GWh) at Lewiston Dam : CP1_2020 minus CONV_NA

Year Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922 Above Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1923 Below Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1924 Critical	-	-	-	-	-	-	-	-	-	-	-	-
1925 Dry	-	-	-	-	-	-	-	-	-	-	-	-
1926 Dry	-	-	-	-	-	-	-	-	-	-	-	-
1927 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1928 Above Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1929 Critical	-	-	-	-	-	-	-	-	-	-	-	-
1930 Dry	-	-	-	-	-	-	-	-	-	-	-	-
1931 Critical	-	-	-	-	-	-	-	-	-	-	-	-
1932 Dry	-	-	-	-	-	-	-	-	-	-	-	-
1933 Critical	-	-	-	-	-	-	-	-	-	-	-	-
1934 Critical	-	-	-	-	-	-	-	-	-	-	-	-
1935 Below Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1936 Below Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1937 Below Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1938 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1939 Dry	-	-	-	-	-	-	-	-	-	-	-	-
1940 Above Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1941 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1942 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1943 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1944 Dry	-	-	-	-	-	-	-	-	-	-	-	-
1945 Below Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1946 Below Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1947 Dry	-	-	-	-	-	-	-	-	-	-	-	-
1948 Below Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1949 Dry	-	-	-	-	-	-	-	-	-	-	-	-
1950 Below Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1951 Above Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1952 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1953 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1954 Above Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1955 Dry	-	-	-	-	-	-	-	-	-	-	-	-
1956 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1957 Above Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1958 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1959 Below Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1960 Dry	-	-	-	-	-	-	-	-	-	-	-	-
1961 Dry	-	-	-	-	-	-	-	-	-	-	-	-
1962 Below Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1963 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1964 Dry	-	-	-	-	-	-	-	-	-	-	-	-
1965 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1966 Below Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1967 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1968 Below Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1969 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1970 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1971 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1972 Below Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1973 Above Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1974 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1975 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1976 Critical	-	-	-	-	-	-	-	-	-	-	-	-
1977 Critical	-	-	-	-	-	-	-	-	-	-	-	-
1978 Above Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1979 Below Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1980 Above Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1981 Dry	-	-	-	-	-	-	-	-	-	-	-	-
1982 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1983 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1984 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1985 Dry	-	-	-	-	-	-	-	-	-	-	-	-
1986 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1987 Dry	-	-	-	-	-	-	-	-	-	-	-	-
1988 Critical	-	-	-	-	-	-	-	-	-	-	-	-
1989 Dry	-	-	-	-	-	-	-	-	-	-	-	-
1990 Critical	-	-	-	-	-	-	-	-	-	-	-	-
1991 Critical	-	-	-	-	-	-	-	-	-	-	-	-
1992 Critical	-	-	-	-	-	-	-	-	-	-	-	-
1993 Above Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1994 Critical	-	-	-	-	-	-	-	-	-	-	-	-
1995 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1996 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1997 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1998 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1999 Wet	-	-	-	-	-	-	-	-	-	-	-	-
2000 Above Norma-	-	-	-	-	-	-	-	-	-	-	-	-
2001 Dry	-	-	-	-	-	-	-	-	-	-	-	-
2002 Dry	-	-	-	-	-	-	-	-	-	-	-	-
2003 Above Norma-	-	-	-	-	-	-	-	-	-	-	-	-
Average	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Difference in Energy generated (GWh) at New Melones Dam : CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1927	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1932	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1935	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1940	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1945	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1946	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1947	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1948	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1949	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1951	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1961	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1963	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1965	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1966	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	-1	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	0	1	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Below Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Dry		0	0	0	0	0	0	0	0	0	0	0	0	0
Critical		0	0	0	0	0	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy generated (GWh) at New Melones Dam : CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1923	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1924	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1925	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1926	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1927	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1928	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1929	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1930	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1931	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1932	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1933	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1934	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1935	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1936	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1937	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1938	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1940	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1942	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1944	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1945	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1946	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1947	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1948	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1949	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1950	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1951	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1955	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1956	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1958	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1960	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1961	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1962	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1963	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1964	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1965	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1966	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1968	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1969	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1972	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1973	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1977	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1978	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1979	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1980	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1982	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1986	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1987	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1988	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1989	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1990	Critical	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%
1991	Critical	0%	0%	0%	0%	-12%	0%	0%	0%	0%	0%	0%	0%
1992	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1993	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1995	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1998	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2001	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2002	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2003	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Average		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Wet		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Above Norm		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Below Norm		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Dry		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Critical		0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%	0%

Energy generated (GWh) at Nimbus Dam : CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	2.40	3.90	3.63	3.12	10.75	6.96	8.51	11.58	11.22	5.16	7.71	7.64	83
1923	Below Normal	3.73	5.33	11.86	9.40	5.62	5.55	6.99	8.90	5.48	10.58	5.28	4.85	84
1924	Critical	3.73	4.12	3.83	2.88	2.41	3.78	1.34	1.57	2.71	1.96	1.65	1.57	32
1925	Dry	1.43	1.03	3.37	3.09	8.74	10.58	3.86	7.82	10.05	6.90	1.74	5.37	64
1926	Dry	4.02	4.12	4.19	4.02	5.43	3.88	4.50	4.45	7.21	5.12	3.06	1.23	51
1927	Wet	4.07	3.40	3.16	6.23	9.68	9.46	11.41	9.36	10.35	10.03	6.19	4.20	88
1928	Above Normal	3.73	6.84	4.84	4.25	3.92	10.92	9.35	5.63	4.93	6.24	5.77	2.09	69
1929	Critical	3.73	3.71	3.46	2.59	0.97	1.50	1.84	2.97	4.46	4.32	3.73	2.83	36
1930	Dry	3.73	3.28	1.20	1.23	3.72	5.43	3.61	3.98	3.70	5.39	2.95	3.46	42
1931	Critical	3.73	3.92	3.64	2.74	3.01	1.49	3.35	1.36	3.69	3.03	1.84	2.12	34
1932	Dry	1.64	2.05	1.07	3.72	8.22	4.44	4.29	6.37	8.25	7.06	5.70	7.88	61
1933	Critical	5.79	6.74	3.78	2.84	0.97	1.90	8.02	1.33	5.71	5.14	3.80	1.95	48
1934	Critical	3.68	3.10	1.16	1.07	3.24	3.32	6.01	3.59	4.06	2.46	1.06	1.08	34
1935	Below Normal	1.92	1.03	3.35	2.93	3.16	2.63	11.37	9.05	6.78	7.62	4.40	7.96	62
1936	Below Normal	3.73	4.63	4.21	11.90	10.02	8.79	10.55	7.96	9.32	8.49	4.73	8.13	92
1937	Below Normal	3.73	4.12	4.07	3.77	6.83	9.19	8.43	7.66	4.25	6.77	5.05	7.95	72
1938	Wet	3.73	4.89	11.87	5.81	10.38	11.26	11.39	11.55	11.28	6.53	8.48	8.30	105
1939	Dry	3.73	4.50	4.26	3.19	1.30	2.23	4.45	3.81	3.05	5.95	2.75	1.00	40
1940	Above Normal	3.70	3.20	1.33	4.79	10.61	11.34	11.52	7.07	4.98	10.58	6.13	2.46	78
1941	Wet	6.61	5.16	4.44	11.16	10.61	10.13	7.35	10.02	6.16	5.90	6.62	8.08	92
1942	Wet	3.73	4.85	11.67	11.58	10.34	5.02	11.52	11.89	11.46	6.25	8.40	8.18	105
1943	Wet	3.73	8.40	9.70	11.29	10.67	11.05	10.29	6.37	4.23	9.54	5.81	5.45	97
1944	Dry	3.73	4.12	4.14	3.11	3.56	2.86	3.56	5.36	5.86	5.80	5.12	3.05	50
1945	Below Normal	3.73	3.70	3.45	2.59	10.52	4.22	4.64	6.37	6.82	9.29	4.56	3.89	64
1946	Below Normal	3.73	8.69	11.63	10.66	6.07	5.00	6.78	7.13	7.07	7.05	7.83	2.93	85
1947	Dry	3.73	4.62	4.09	3.07	3.50	4.69	4.32	4.32	3.72	5.84	3.86	2.40	48
1948	Below Normal	3.73	3.65	3.40	2.55	1.00	1.66	5.31	7.04	9.87	7.32	6.59	6.26	58
1949	Dry	3.73	4.12	4.18	3.14	5.08	3.48	6.30	5.47	6.90	6.62	6.54	2.12	58
1950	Below Normal	3.73	3.92	3.65	5.26	10.41	6.52	9.14	7.97	7.70	4.65	8.04	8.09	79
1951	Above Normal	5.57	9.72	9.88	11.42	10.59	7.86	5.88	6.90	6.15	10.58	5.43	3.61	94
1952	Wet	3.73	3.94	10.53	11.61	10.78	11.90	11.30	11.23	11.03	8.59	9.41	8.75	113
1953	Wet	3.73	5.01	5.42	11.83	4.29	3.57	4.89	6.02	11.52	8.28	7.20	8.15	80
1954	Above Normal	3.73	5.30	4.93	4.09	5.41	9.29	8.50	6.33	4.90	8.86	4.89	3.40	70
1955	Dry	3.73	3.51	3.21	2.43	3.36	2.79	2.71	5.38	3.66	4.78	3.30	2.28	41
1956	Wet	4.11	3.83	9.96	10.15	11.14	5.44	4.97	11.90	11.39	5.88	8.49	8.20	95
1957	Above Normal	3.73	4.76	4.43	3.33	6.18	9.36	4.04	5.42	7.63	10.58	5.65	4.78	70
1958	Wet	3.73	3.92	3.65	3.86	10.42	11.87	11.04	11.48	11.42	5.74	8.61	8.25	94
1959	Below Normal	3.73	4.12	4.23	3.17	5.74	3.98	2.78	3.86	5.29	8.82	1.07	1.01	48
1960	Dry	1.33	1.31	1.29	1.05	1.61	8.49	6.42	4.44	3.59	4.82	3.99	3.08	41
1961	Dry	3.73	3.61	3.34	2.51	0.97	1.56	2.26	3.64	2.80	8.00	1.05	1.10	35
1962	Below Normal	1.38	1.21	1.25	1.05	4.41	4.16	7.53	6.37	4.16	10.58	5.63	2.37	50
1963	Wet	5.82	8.76	7.02	8.47	10.09	4.20	11.51	11.86	6.63	8.23	6.37	5.14	94
1964	Dry	3.73	8.88	4.26	5.24	3.98	3.19	3.61	4.03	4.14	5.84	4.84	3.48	55
1965	Wet	3.73	3.61	9.01	10.82	10.11	4.57	10.06	8.19	5.97	10.58	3.63	7.98	88
1966	Below Normal	3.73	6.01	5.59	4.20	3.67	3.14	3.65	4.58	2.85	8.82	1.07	2.41	50
1967	Wet	3.01	1.06	3.54	11.90	8.43	11.90	8.03	11.72	11.03	7.77	8.49	8.62	96
1968	Below Normal	3.73	5.95	5.54	4.16	11.14	4.13	3.61	3.56	2.08	10.57	1.35	1.20	57
1969	Wet	3.73	3.61	3.62	10.45	10.43	7.29	11.51	11.61	11.51	5.41	8.22	8.22	96
1970	Wet	3.73	5.31	11.79	8.84	10.75	5.23	4.01	6.37	4.28	8.96	5.01	3.40	78
1971	Wet	3.73	3.63	9.46	9.91	7.50	7.26	5.56	6.06	9.64	8.06	5.55	7.85	84
1972	Below Normal	3.73	4.94	5.89	4.43	5.58	8.51	3.61	4.34	3.46	9.38	3.52	3.13	61
1973	Above Normal	3.73	3.84	5.59	11.56	10.69	7.27	5.33	7.44	7.42	10.58	2.53	3.61	80
1974	Wet	3.73	11.46	11.82	11.12	8.22	11.61	11.51	9.60	7.98	6.40	8.55	8.41	110
1975	Wet	3.73	4.12	4.25	4.16	6.56	9.61	6.16	8.07	11.52	5.63	8.00	8.00	80
1976	Critical	3.73	7.44	4.26	3.19	3.65	2.93	1.25	1.46	1.87	2.21	1.07	0.99	34
1977	Critical	3.73	3.61	1.35	1.05	0.95	1.05	1.02	0.67	1.86	2.08	0.48	0.74	19
1978	Above Normal	0.97	0.96	1.09	4.15	8.80	11.81	8.85	6.74	7.79	7.98	6.27	5.31	71
1979	Below Normal	3.73	4.08	4.13	4.46	6.78	7.14	4.68	7.08	8.19	6.84	1.85	4.02	63
1980	Above Normal	3.73	5.61	4.66	9.61	10.08	7.71	5.67	6.37	5.28	5.64	8.40	8.01	81
1981	Dry	3.73	4.12	4.25	3.19	3.72	3.09	3.50	4.27	3.58	8.89	0.99	0.91	44
1982	Wet	1.36	6.92	10.64	11.75	9.15	11.77	10.14	11.59	11.52	5.91	8.38	9.23	108
1983	Wet	4.32	11.36	11.59	11.79	9.90	10.07	11.49	11.40	10.21	11.88	9.89	10.05	124
1984	Wet	3.73	10.03	10.11	11.90	10.50	6.19	4.25	5.74	6.35	10.58	3.50	3.61	86
1985	Dry	3.73	9.28	5.23	4.26	3.67	2.63	4.43	4.82	5.78	5.08	4.46	1.21	55
1986	Wet	3.73	3.68	3.31	6.26	5.27	11.06	5.41	5.22	4.94	4.61	7.44	8.75	70
1987	Dry	3.73	4.18	4.21	3.16	1.20	1.75	2.50	3.42	3.78	4.01	2.14	1.68	36
1988	Critical	3.73	3.07	1.19	1.07	3.28	2.20	1.70	3.82	3.05	2.68	2.35	1.01	29
1989	Dry	1.33	1.03	1.24	3.51	0.97	11.74	7.70	6.63	7.85	6.43	5.13	2.01	56
1990	Critical	3.73	4.51	3.44	2.58	1.89	1.84	2.95	2.26	3.88	4.11	3.03	2.61	37
1991	Critical	3.73	3.17	1.31	1.05	0.95	1.06	4.14	3.21	2.66	6.50	5.19	2.92	36
1992	Critical	3.73	3.30	1.28	1.05	0.99	2.31	7.45	3.57	2.15	2.10	1.57	0.99	31
1993	Above Normal	1.33	1.07	1.09	5.84	10.75	11.83	7.72	10.72	10.31	7.36	6.37	6.39	81
1994	Critical	3.73	5.36	4.99	3.75	1.02	2.54	2.17	3.61	3.76	7.81	1.07	3.44	43
1995	Wet	1.35	1.02	1.21	11.22	9.10	9.99	11.46	11.20	11.05	9.68	8.98	8.75	95
1996	Wet	3.73	5.07	6.97	11.55	9.96	11.89	9.49	11.73	6.16	7.25	5.56	7.87	97
1997	Wet	3.73	7.42	10.50	6.02	10.74	3.25	3.61	5.20	4.47	10.43	2.15	3.32	71
1998	Wet	3.73	3.84	3.57	11.84	9.89	11.90	11.52	11.90	11.06	8.13	8.70	8.93	105
1999	Wet	3.73	8.17	7.22	11.90	10.18	9.38	6.16	8.27	8.40	8.39	4.40	8.36	95
2000	Above Normal	3.73	5.73	5.33	7.66	10.45	8.78	5.87	6.37	6.16	10.58	5.45	3.77	80
2001	Dry	3.70	3.34	1.35	1.06	2.85	2.23	2.24	4.42	2.67	1.93	1.26	0.99	28
2002	Dry	3.73	3.46	3.22	3.06	7.98	8.62	4.67	5.43	6.02	7.26	3.94	2.81	60
2003	Above Normal	3.73	3.65	3.39	5.10	6.17	2.60	6.61	9.75	6.94	10.58	2.52	1.98	63
Average		4	5	5	6	7	6	6	7	6	7	5	5	68
Wet		4	5	8	10	9	9	9	9	9	8	7	7	94
Above Normal		3	5	4	6	9	9	7	8	7	9	6	4	76
Below Normal		3	4	5	5	6	5	6	7	6	8	4	5	66
Dry		3	4	3	3	4	5	4	5	5	6	3	3	48
Critical		4	4	3	2	2	2	3	2	3	4	2	2	34

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Energy generated (GWh) at Nimbus Dam : CP1_2020

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	2.40	3.90	3.63	3.12	10.75	6.96	8.51	11.58	11.22	5.16	7.71	7.64	83
1923	Below Normal	3.73	5.33	11.86	9.40	5.62	5.55	7.03	8.94	5.48	10.58	4.97	5.32	84
1924	Critical	4.12	4.12	3.83	2.88	1.04	4.16	1.34	1.57	2.68	2.02	1.35	1.45	31
1925	Dry	2.32	1.03	3.45	3.20	8.73	10.58	3.86	7.82	10.24	7.48	1.97	4.39	65
1926	Dry	4.08	4.12	4.26	4.11	5.21	4.39	3.98	4.45	6.52	5.22	2.00	2.60	51
1927	Wet	3.65	3.09	2.88	7.43	9.68	9.46	11.41	9.36	10.35	4.35	8.00	8.02	88
1928	Above Normal	3.73	6.84	4.81	3.78	4.34	10.91	9.36	5.02	4.19	6.05	5.82	1.44	66
1929	Critical	3.73	3.84	3.57	2.68	0.97	1.55	1.84	3.07	5.38	4.51	3.88	3.01	38
1930	Dry	3.73	3.28	1.20	1.23	3.72	5.38	3.61	3.62	3.79	6.83	2.07	2.90	41
1931	Critical	3.73	4.03	3.75	3.63	3.09	1.51	3.41	1.43	3.20	2.70	1.65	1.52	34
1932	Dry	2.19	2.05	1.07	3.72	8.22	4.44	2.19	6.37	8.23	7.05	5.70	7.87	61
1933	Critical	5.78	6.74	3.76	2.82	0.97	1.90	8.04	1.34	5.71	5.13	3.80	2.05	48
1934	Critical	3.70	3.12	1.16	1.07	3.10	3.10	6.00	3.74	4.17	2.51	1.06	1.23	34
1935	Below Normal	1.86	1.03	3.36	2.96	3.17	2.63	11.38	9.09	6.73	7.62	4.40	7.96	62
1936	Below Normal	3.73	4.63	4.26	11.90	10.02	8.80	10.56	7.97	9.32	8.03	5.20	8.13	93
1937	Below Normal	3.73	4.12	4.18	3.91	6.61	9.18	8.43	7.66	4.25	6.78	5.04	7.95	72
1938	Wet	3.73	4.89	11.87	5.81	10.38	11.26	11.39	11.55	11.28	6.53	8.48	8.30	105
1939	Dry	3.73	4.50	4.26	3.19	1.30	2.23	3.61	3.81	2.70	4.99	2.60	2.67	40
1940	Above Normal	3.49	1.95	1.34	6.88	10.61	11.34	11.52	6.69	4.98	10.48	6.13	2.46	78
1941	Wet	6.02	3.93	5.98	11.90	10.61	10.13	7.35	10.02	6.16	5.90	6.62	8.08	93
1942	Wet	3.73	4.85	11.67	11.58	10.34	5.02	11.52	11.89	11.46	6.25	8.40	8.18	105
1943	Wet	3.73	8.40	9.70	11.29	10.67	11.05	10.29	6.37	4.23	9.57	5.81	5.42	97
1944	Dry	3.73	4.12	4.19	3.15	3.62	2.91	3.61	5.38	4.14	6.19	5.54	3.10	50
1945	Below Normal	3.73	3.71	3.45	2.59	10.48	4.22	4.64	6.37	6.84	8.27	3.81	5.68	64
1946	Below Normal	3.74	8.64	11.63	10.66	5.21	5.86	6.78	7.13	7.03	9.29	4.80	2.04	83
1947	Dry	3.73	5.75	4.13	3.10	3.72	4.97	4.34	4.32	3.01	5.88	4.03	3.33	50
1948	Below Normal	3.73	3.61	3.34	1.07	1.87	1.63	5.61	7.04	9.87	7.46	6.95	5.75	58
1949	Dry	3.73	4.12	4.23	3.17	4.28	4.21	6.30	5.43	5.66	6.37	6.27	2.96	57
1950	Below Normal	3.73	3.96	3.69	6.11	10.41	6.52	9.14	7.97	7.70	4.65	8.04	8.09	80
1951	Above Normal	4.68	9.60	9.88	11.42	10.59	7.86	5.88	6.90	5.48	10.58	4.63	2.60	90
1952	Wet	3.73	4.74	11.90	11.61	10.78	11.90	11.30	11.23	11.03	8.59	9.41	8.75	115
1953	Wet	3.73	5.01	5.42	11.83	4.29	3.57	4.89	6.02	11.52	8.00	7.48	8.15	80
1954	Above Normal	3.73	5.30	4.93	4.09	5.41	9.29	8.50	6.01	4.90	8.58	4.87	3.36	69
1955	Dry	3.73	3.60	3.30	2.50	1.80	2.77	2.94	5.44	3.94	3.75	4.67	2.42	41
1956	Wet	4.29	3.87	9.88	10.15	11.14	5.44	4.97	11.90	11.39	5.88	8.49	8.20	96
1957	Above Normal	3.73	4.76	4.43	3.33	6.18	9.36	4.04	5.42	7.36	10.58	5.60	4.62	69
1958	Wet	3.73	3.94	3.66	3.89	10.38	11.87	11.04	11.48	11.42	5.74	8.61	8.25	94
1959	Below Normal	3.73	4.12	4.23	3.17	5.74	3.60	2.86	3.95	5.42	8.82	1.07	1.01	48
1960	Dry	1.33	1.31	1.29	1.05	1.67	8.48	6.47	4.44	3.59	4.60	3.95	3.13	41
1961	Dry	3.73	3.64	3.38	2.54	0.97	1.57	2.30	3.67	2.84	8.97	1.06	1.10	36
1962	Below Normal	1.38	1.21	1.25	1.05	3.04	4.15	7.53	6.37	4.01	10.58	4.56	2.43	48
1963	Wet	6.95	8.76	7.02	8.47	10.09	3.26	11.48	11.86	6.63	8.05	6.37	5.14	94
1964	Dry	3.73	9.05	4.26	5.24	3.98	3.19	3.61	4.03	3.73	6.05	5.12	3.37	55
1965	Wet	3.73	3.96	9.05	10.82	10.11	3.62	10.99	7.30	6.85	10.30	3.63	8.26	89
1966	Below Normal	3.73	6.01	5.59	4.20	3.67	3.14	3.65	4.58	2.85	8.82	1.07	2.44	50
1967	Wet	3.01	1.06	1.98	11.86	8.43	11.90	8.03	11.72	11.03	7.77	8.49	8.62	94
1968	Below Normal	3.73	5.95	5.54	4.16	11.14	4.13	3.61	3.56	2.27	9.95	1.13	1.19	56
1969	Wet	3.73	3.63	3.38	10.42	10.43	7.29	11.51	11.61	11.51	8.22	8.22	9.25	95
1970	Wet	3.73	5.31	11.79	8.84	10.75	5.23	4.01	6.37	3.91	9.10	4.62	3.40	77
1971	Wet	3.73	3.65	9.91	9.90	6.79	7.96	5.56	6.06	9.64	8.07	5.54	7.85	85
1972	Below Normal	3.73	4.94	5.89	4.43	5.58	8.51	3.61	4.34	2.90	9.89	1.93	2.31	58
1973	Above Normal	3.73	3.91	7.87	11.56	10.69	7.27	5.33	7.44	7.38	10.58	2.53	3.61	82
1974	Wet	3.73	11.46	11.82	11.12	8.22	11.61	11.51	9.60	7.98	6.40	8.55	8.41	110
1975	Wet	3.73	4.12	4.25	4.16	6.56	9.61	6.16	8.07	11.52	5.63	7.99	8.00	80
1976	Critical	3.73	7.44	4.26	3.19	3.65	2.93	1.25	1.82	2.06	2.13	1.45	1.00	35
1977	Critical	3.73	3.61	1.35	1.05	0.95	1.05	1.02	0.67	1.52	1.67	0.48	0.76	18
1978	Above Normal	0.93	1.10	1.10	4.02	8.80	11.81	8.85	6.74	7.79	7.97	6.27	5.31	71
1979	Below Normal	3.73	4.12	4.24	4.31	6.78	7.15	4.46	7.31	7.86	6.91	1.54	4.60	63
1980	Above Normal	3.73	5.55	4.66	9.61	10.08	7.71	5.67	6.37	5.28	5.64	8.01	8.71	81
1981	Dry	3.73	4.12	4.25	3.19	3.72	3.09	3.50	4.27	3.70	8.90	0.99	0.91	44
1982	Wet	1.36	6.86	10.64	11.75	9.15	11.77	10.14	11.59	11.52	5.91	8.38	9.23	108
1983	Wet	4.32	11.36	11.59	11.79	9.90	10.07	11.49	11.40	10.21	11.88	9.89	10.05	124
1984	Wet	3.73	10.03	10.11	11.90	10.50	6.19	3.61	5.74	5.58	10.58	3.11	4.95	86
1985	Dry	3.73	9.70	5.23	4.26	3.67	3.05	4.39	4.77	5.19	5.31	4.55	1.52	55
1986	Wet	3.73	3.67	3.42	5.78	5.27	11.06	5.39	5.20	4.92	4.34	7.66	8.73	69
1987	Dry	3.73	4.18	4.21	3.16	1.20	1.75	2.43	3.28	3.42	3.80	2.88	1.31	35
1988	Critical	3.73	3.16	1.19	1.07	3.25	2.20	1.71	3.83	3.06	2.69	2.36	1.01	29
1989	Dry	1.33	1.03	3.43	3.17	2.77	11.90	7.70	6.69	7.90	6.43	4.93	2.84	60
1990	Critical	3.73	3.78	3.78	2.84	1.22	1.85	2.94	2.27	3.87	4.09	3.03	2.65	36
1991	Critical	3.73	3.17	1.31	1.05	0.95	1.06	4.14	3.21	2.64	6.44	5.18	2.92	36
1992	Critical	3.73	3.33	1.28	1.05	0.99	2.32	7.30	3.38	1.96	1.87	1.33	0.99	30
1993	Above Normal	1.31	1.07	1.09	6.78	10.75	11.83	7.72	10.72	10.31	7.40	6.37	6.35	82
1994	Critical	3.73	5.36	4.99	3.75	1.02	2.54	2.17	3.61	2.99	6.56	1.07	0.99	39
1995	Wet	3.46	1.03	1.22	10.99	9.10	9.99	11.46	11.20	11.05	9.68	8.98	8.75	97
1996	Wet	3.73	5.07	6.97	11.55	9.96	11.89	9.49	11.73	6.16	7.26	5.56	7.86	97
1997	Wet	3.73	7.42	10.50	6.02	10.74	3.25	3.61	5.20	4.51	9.71	2.16	3.32	70
1998	Wet	3.73	4.01	3.73	11.83	9.89	11.90	11.52	11.90	11.06	8.13	8.70	8.93	105
1999	Wet	3.73	8.17	7.22	11.90	10.18	9.38	6.16	8.27	8.40	8.41	4.38	8.36	95
2000	Above Normal	3.73	5.73	5.33	7.66	10.45	8.78	5.86	6.37	5.65	10.58	5.50	3.94	80
2001	Dry	3.70	3.42	1.35	1.06	2.90	2.24	2.26	4.43	2.69	1.96	1.27	0.99	28
2002	Dry	3.73	3.53	3.28	2.98	7.20	8.47	4.68	5.43	5.97	8.02	4.02	1.77	59
2003	Above Normal	3.99	3.73	3.50	5.61	5.22	3.54	6.61	9.75	5.10	10.58	3.86	2.64	64
Average		4	5	5	6	6	6	6	7	6	7	5	5	68
Wet		4	5	8	10	9	9	9	9	9	8	7	8	94
Above Normal		3	4	4	6	9	9	7	7	7	9	6	4	76
Below Normal		3	4	5	5	6	5	6	7	6	8	4	5	66
Dry		3	4	3	3	4	5	4	5	5	6	4	3	48
Critical		4	4	3	2	2	2	3	2	3	4	2	2	34

Difference in Energy generated (GWh) at Nimbus Dam : CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	-1	0	0	0	0	0	0	0	0
1925	Dry	1	0	0	0	0	0	0	0	0	1	0	-1	0
1926	Dry	0	0	0	0	0	1	-1	0	-1	0	-1	1	0
1927	Wet	0	0	0	1	0	0	0	0	0	-6	2	4	0
1928	Above Norma	0	0	0	0	0	0	0	-1	-1	0	0	-1	0
1929	Critical	0	0	0	0	0	0	0	0	1	0	0	0	0
1930	Dry	0	0	0	0	0	0	0	0	0	1	-1	-1	0
1931	Critical	0	0	0	1	0	0	0	0	0	0	0	-1	0
1932	Dry	1	0	0	0	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1935	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	-1	0	0	-1	0	2	0
1940	Above Norma	0	-1	0	2	0	0	0	0	0	0	0	0	0
1941	Wet	-1	-1	2	1	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	-2	0	0	0	0
1945	Below Norma	0	0	0	0	0	0	0	0	0	-1	-1	2	0
1946	Below Norma	0	0	0	0	-1	1	0	0	0	2	-3	-1	0
1947	Dry	0	1	0	0	0	0	0	1	-1	0	0	1	0
1948	Below Norma	0	0	0	-1	1	0	0	0	0	0	0	-1	0
1949	Dry	0	0	0	0	-1	1	0	0	-1	0	0	1	0
1950	Below Norma	0	0	0	1	0	0	0	0	0	0	0	0	0
1951	Above Norma	-1	0	0	0	0	0	0	0	-1	0	-1	-1	0
1952	Wet	0	1	1	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	-2	0	0	0	0	-1	1	0	0
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1961	Dry	0	0	0	0	0	0	0	0	0	1	0	0	0
1962	Below Norma	0	0	0	0	-1	0	0	0	0	0	-1	0	0
1963	Wet	1	0	0	0	0	-1	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1965	Wet	0	0	0	0	0	-1	1	-1	1	0	0	0	0
1966	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	-2	0	0	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	-1	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	-1	1	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	0	0	-1	1	-2	-1	0
1973	Above Norma	0	0	2	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	Below Norma	0	0	0	0	0	0	0	0	0	0	0	1	0
1980	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	-1	0	-1	0	0	1	0
1985	Dry	0	0	0	0	0	0	0	0	-1	0	0	0	0
1986	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	Dry	0	0	0	0	0	0	0	0	0	0	1	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	Dry	0	0	2	0	2	0	0	0	0	0	0	1	0
1990	Critical	0	-1	0	0	-1	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	Above Norma	0	0	0	1	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	-1	-1	0	-2	0
1995	Wet	2	0	0	0	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	-1	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	-1	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	-1	0	0	0	0	1	0	-1	0
2003	Above Norma	0	0	0	1	-1	1	0	0	-2	0	1	1	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Below Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Dry		0	0	0	0	0	0	0	0	0	0	0	0	0
Critical		0	0	0	0	0	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy generated (GWh) at Nimbus Dam : CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1923	Below Norma	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%	-6%	10%
1924	Critical	11%	0%	0%	0%	-57%	10%	0%	0%	-1%	3%	-18%	-8%
1925	Dry	62%	0%	2%	4%	0%	0%	0%	0%	2%	8%	13%	-18%
1926	Dry	2%	0%	2%	2%	-4%	13%	-12%	0%	-10%	2%	-35%	112%
1927	Wet	-10%	-9%	-9%	19%	0%	0%	0%	0%	0%	-57%	29%	91%
1928	Above Norma	0%	0%	-1%	-11%	11%	0%	0%	-11%	-15%	-3%	1%	-31%
1929	Critical	0%	3%	3%	3%	0%	3%	0%	3%	21%	4%	4%	6%
1930	Dry	0%	0%	0%	0%	0%	-1%	0%	-9%	2%	27%	-30%	-16%
1931	Critical	0%	3%	3%	33%	3%	1%	2%	5%	-13%	-11%	-10%	-28%
1932	Dry	34%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1933	Critical	0%	0%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%	5%
1934	Critical	1%	0%	0%	0%	-4%	-6%	0%	4%	3%	2%	0%	14%
1935	Below Norma	-3%	0%	0%	1%	0%	0%	0%	0%	-1%	0%	0%	0%
1936	Below Norma	0%	0%	1%	0%	0%	0%	0%	0%	0%	-5%	10%	0%
1937	Below Norma	0%	0%	3%	4%	-3%	0%	0%	0%	0%	0%	0%	0%
1938	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	0%	0%	-19%	0%	-12%	-16%	-5%	167%
1940	Above Norma	-5%	-39%	1%	44%	0%	0%	0%	-5%	0%	-1%	0%	0%
1941	Wet	-9%	-24%	35%	7%	0%	0%	0%	0%	0%	0%	0%	0%
1942	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%
1944	Dry	0%	0%	1%	1%	2%	2%	1%	0%	-29%	7%	8%	1%
1945	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	-11%	-16%	46%
1946	Below Norma	0%	-1%	0%	0%	-14%	17%	0%	0%	-1%	32%	-39%	-30%
1947	Dry	0%	25%	1%	1%	6%	6%	0%	0%	-19%	1%	4%	39%
1948	Below Norma	0%	-1%	-2%	-58%	87%	-2%	6%	0%	0%	2%	6%	-8%
1949	Dry	0%	0%	1%	1%	-16%	21%	0%	-1%	-18%	-4%	-4%	40%
1950	Below Norma	0%	1%	1%	16%	0%	0%	0%	0%	0%	0%	0%	0%
1951	Above Norma	-16%	-1%	0%	0%	0%	0%	0%	0%	-11%	0%	-15%	-28%
1952	Wet	0%	20%	13%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	-3%	4%	0%
1954	Above Norma	0%	0%	0%	0%	0%	0%	0%	-5%	0%	-3%	0%	-1%
1955	Dry	0%	3%	3%	3%	-47%	-1%	9%	1%	8%	-22%	41%	6%
1956	Wet	4%	1%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	-4%	0%	-1%	-3%
1958	Wet	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	0%	0%	0%	-9%	3%	2%	2%	0%	0%	0%
1960	Dry	0%	0%	0%	0%	4%	0%	1%	0%	0%	-5%	-1%	1%
1961	Dry	0%	1%	1%	1%	0%	1%	2%	1%	1%	12%	1%	0%
1962	Below Norma	0%	0%	0%	0%	-31%	0%	0%	0%	-3%	0%	-19%	2%
1963	Wet	20%	0%	0%	0%	0%	-22%	0%	0%	0%	-2%	0%	0%
1964	Dry	0%	2%	0%	0%	0%	0%	0%	0%	-10%	4%	6%	-3%
1965	Wet	0%	10%	0%	0%	0%	-21%	9%	-11%	15%	-3%	0%	3%
1966	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%
1967	Wet	0%	0%	-44%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1968	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	9%	-6%	-16%	0%
1969	Wet	0%	0%	-7%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	0%	0%	0%	-9%	2%	-8%	0%
1971	Wet	0%	0%	5%	0%	-9%	10%	0%	0%	0%	0%	0%	0%
1972	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	-16%	5%	-45%	-26%
1973	Above Norma	0%	2%	41%	0%	0%	0%	0%	0%	-1%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	0%	25%	10%	-4%	35%	1%
1977	Critical	0%	0%	0%	0%	0%	0%	0%	0%	-18%	-20%	-2%	2%
1978	Above Norma	-4%	14%	1%	-3%	0%	0%	0%	0%	0%	0%	0%	0%
1979	Below Norma	0%	1%	3%	-3%	0%	0%	-5%	3%	-4%	1%	-17%	14%
1980	Above Norma	0%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	0%	0%	0%	0%	3%	0%	0%	0%
1982	Wet	0%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	-15%	0%	-12%	0%	-11%	37%
1985	Dry	0%	5%	0%	0%	0%	16%	-1%	-1%	-10%	5%	2%	25%
1986	Wet	0%	0%	3%	-8%	0%	0%	0%	0%	0%	-6%	3%	0%
1987	Dry	0%	0%	0%	0%	0%	0%	-3%	-4%	-10%	-5%	35%	-22%
1988	Critical	0%	3%	0%	0%	-1%	0%	0%	0%	0%	0%	0%	0%
1989	Dry	0%	0%	176%	-10%	187%	1%	0%	1%	1%	0%	-4%	41%
1990	Critical	0%	-16%	10%	10%	-35%	0%	0%	1%	0%	0%	0%	2%
1991	Critical	0%	0%	0%	0%	0%	0%	0%	0%	-1%	-1%	0%	0%
1992	Critical	0%	1%	0%	0%	0%	0%	-2%	-5%	-9%	-11%	-16%	-1%
1993	Above Norma	-1%	0%	0%	16%	0%	0%	0%	0%	0%	1%	0%	-1%
1994	Critical	0%	0%	0%	0%	0%	0%	0%	0%	-20%	-16%	0%	-71%
1995	Wet	157%	2%	1%	-2%	0%	0%	0%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	0%	0%	1%	-7%	0%	0%
1998	Wet	0%	5%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	0%
2000	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	-8%	0%	1%	5%
2001	Dry	0%	2%	0%	1%	0%	1%	0%	1%	2%	2%	1%	0%
2002	Dry	0%	2%	2%	-3%	-10%	-2%	0%	0%	-1%	11%	2%	-37%
2003	Above Norma	7%	2%	3%	10%	-16%	36%	0%	0%	-27%	0%	53%	33%
Average		3%	0%	3%	1%	1%	1%	0%	0%	-3%	-1%	-1%	5%
Wet		6%	0%	0%	1%	0%	-1%	0%	0%	-3%	0%	1%	5%
Above Norma		-2%	-2%	4%	5%	0%	3%	0%	-2%	-5%	-1%	3%	-2%
Below Norma		0%	0%	0%	-3%	3%	0%	0%	-1%	0%	1%	-10%	1%
Dry		5%	2%	11%	0%	7%	3%	-1%	-1%	-6%	1%	2%	19%
Critical		1%	0%	1%	4%	-8%	1%	0%	3%	-2%	-4%	-1%	-6%

Energy generated (GWh) at O'Neill: CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1923	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.09	1.80	0.00	0.00	0.00	4
1924	Critical	0.00	0.00	0.00	0.00	0.19	0.50	0.12	1.48	3.20	1.27	3.61	0.88	11
1925	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.72	3.50	1.37	4.83	0.00	10
1926	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.14	4.95	2.82	5.04	1.99	18
1927	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.06	1.75	1.18	0.00	0.00	5
1928	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.20	1.66	3.84	0.00	0.00	7
1929	Critical	0.00	0.00	0.00	0.00	0.00	0.60	1.69	2.37	4.58	2.46	4.75	0.00	16
1930	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.08	1.34	4.18	4.76	3.47	0.00	14
1931	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.91	1.37	3.26	0.85	3.74	0.00	10
1932	Dry	0.00	0.00	0.00	0.00	0.00	0.92	0.41	2.22	1.88	1.19	0.00	0.00	7
1933	Critical	0.00	0.00	0.00	0.00	0.00	0.93	0.88	1.76	3.21	0.85	2.33	0.00	10
1934	Critical	0.00	0.00	0.00	0.00	0.00	0.55	0.99	2.15	3.42	1.55	3.84	0.77	13
1935	Below Normal	0.91	0.00	0.00	0.00	0.00	0.00	0.00	3.66	1.43	3.23	1.48	0.00	11
1936	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.90	1.89	1.24	0.00	5
1937	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.84	3.36	1.88	0.00	9
1938	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1939	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.19	2.18	2.11	1.40	1.70	0.00	8
1940	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.97	1.51	3.30	0.00	0.00	6
1941	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1942	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.48	0.00	0.00	0.00	0.00	0
1943	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00	0.00	0.00	0.00	2
1944	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.17	1.49	2.61	2.56	2.84	0.00	10
1945	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.41	1.84	0.00	0.00	0.00	3
1946	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.98	1.54	1.40	0.00	0.00	4
1947	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.29	3.98	1.21	1.00	1.48	0.00	8
1948	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.97	1.64	0.00	0.00	0.00	4
1949	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.54	1.97	1.64	0.00	0.00	0.00	4
1950	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.84	0.89	2.46	0.00	0.00	6
1951	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.02	2.57	2.30	0.00	0.00	8
1952	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1953	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.24	1.71	0.00	0.00	0.00	3
1954	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.06	1.75	4.18	0.00	0.00	8
1955	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.53	1.39	2.45	0.20	5.16	0.00	10
1956	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1957	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.37	1.87	0.21	0.00	0.00	3
1958	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1959	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.32	1.63	1.70	0.00	0.00	0.00	4
1960	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.22	1.23	1.38	1.55	1.40	0.00	6
1961	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.82	2.70	1.50	0.00	0.00	0.00	5
1962	Below Normal	1.00	0.00	0.00	0.00	0.00	0.00	0.00	3.15	1.52	0.00	0.00	0.00	6
1963	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.41	1.91	1.66	0.00	0.00	5
1964	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.17	1.45	1.71	1.55	1.98	0.00	7
1965	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.08	1.78	0.00	0.00	0.00	4
1966	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.75	2.66	0.00	0.00	0.00	6
1967	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1968	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.66	1.74	0.00	0.00	0.00	3
1969	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1970	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.89	2.42	4.01	0.00	0.00	9
1971	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00	1.68	0.18	0.00	0.00	4
1972	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.61	4.35	2.73	0.96	0.00	0.00	9
1973	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.66	1.57	0.00	0.00	0.00	3
1974	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.80	1.14	0.00	0.00	0.00	2
1975	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.10	1.75	0.00	0.00	0.00	4
1976	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.62	3.12	4.51	2.66	5.00	0.91	17
1977	Critical	0.00	0.00	0.00	0.00	0.00	0.52	0.92	2.05	3.29	0.00	0.83	0.00	8
1978	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1979	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.70	0.00	0.00	0.00	2
1980	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1981	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.77	1.96	0.00	0.00	0.00	4
1982	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1983	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1984	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.41	2.80	0.40	0.00	0.00	8
1985	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.39	1.99	1.71	0.00	0.00	0.00	4
1986	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.77	0.00	0.00	7
1987	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.62	1.68	2.01	0.00	4.73	0.00	9
1988	Critical	0.00	0.00	0.00	0.00	0.00	1.21	0.35	2.03	2.90	0.78	4.95	0.00	12
1989	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.38	0.90	0.38	1.15	0.00	4
1990	Critical	0.00	0.00	0.00	0.00	0.00	0.00	1.50	1.88	4.37	1.68	4.36	0.10	14
1991	Critical	0.00	0.00	0.00	0.00	0.00	0.00	1.07	1.23	3.56	0.40	2.78	0.00	9
1992	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.39	3.13	2.33	4.48	0.00	12
1993	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.77	0.00	0.00	0.00	0.00	2
1994	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.39	1.80	2.34	0.00	0.00	0.00	5
1995	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1996	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.77	0.00	0.00	0.00	3
1997	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.03	1.71	0.00	0.00	0.00	3
1998	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1999	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.03	1.75	0.00	0.00	0.00	5
2000	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.80	1.89	2.49	0.00	0.00	7
2001	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.17	1.29	3.32	1.24	4.03	0.58	11
2002	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00	1.68	0.00	0.00	0.00	4
2003	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.82	2.00	4.06	0.00	0.00	8
Average		0	0	0	0	0	0	0	2	2	1	1	0	6
Wet		0	0	0	0	0	0	0	1	1	1	0	0	2
Above Normal		0	0	0	0	0	0	0	1	1	2	0	0	4
Below Normal		0	0	0	0	0	0	0	2	2	1	0	0	5
Dry		0	0	0	0	0	0	0	2	2	1	2	0	8
Critical		0	0	0	0	0	0	1	2	3	1	3	0	11

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Energy generated (GWh) at O'Neill: CP1_2020

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1923	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.89	1.54	0.00	0.00	0.00	3
1924	Critical	0.00	0.00	0.00	0.00	0.00	0.50	0.12	1.48	3.20	0.84	3.61	0.00	10
1925	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.80	3.10	0.89	4.70	0.00	9
1926	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.22	4.78	2.96	5.18	0.00	15
1927	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.69	1.75	0.00	0.00	0.00	4
1928	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.17	1.61	3.15	0.00	0.00	6
1929	Critical	0.00	0.00	0.00	0.00	0.00	0.67	1.76	2.31	4.07	2.16	4.89	0.00	16
1930	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.08	1.38	4.11	2.09	5.37	0.00	13
1931	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.91	1.36	3.26	0.91	3.67	0.00	10
1932	Dry	0.00	0.00	0.00	0.00	0.00	0.94	0.42	2.26	1.94	1.25	0.00	0.00	7
1933	Critical	0.00	0.00	0.00	0.00	0.00	0.93	0.88	1.77	3.21	0.85	2.33	0.00	10
1934	Critical	0.00	0.00	0.00	0.00	0.00	0.55	0.99	2.15	3.42	1.56	3.85	1.12	14
1935	Below Normal	0.94	0.00	0.00	0.00	0.00	0.00	0.00	3.65	1.46	3.21	1.43	0.00	11
1936	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.85	2.30	0.71	0.00	5
1937	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.79	3.29	1.80	0.00	9
1938	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1939	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.23	1.36	2.17	1.33	1.72	0.00	7
1940	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.97	1.51	3.30	0.00	0.00	6
1941	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1942	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.48	0.00	0.00	0.00	0.00	0
1943	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00	0.00	0.00	0.00	2
1944	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.25	1.60	1.94	1.68	2.22	0.00	8
1945	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.57	1.77	0.00	0.00	0.00	3
1946	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.02	1.59	0.00	0.00	0.00	3
1947	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.27	3.95	2.23	0.73	1.25	0.00	8
1948	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.06	1.75	0.00	0.00	0.00	4
1949	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.54	1.97	1.64	0.00	0.00	0.00	4
1950	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.02	0.94	2.53	0.00	0.00	4
1951	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.35	1.85	3.22	0.00	0.00	6
1952	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1953	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.24	1.71	0.00	0.00	0.00	3
1954	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.06	1.75	4.49	0.00	0.00	8
1955	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.49	1.48	1.09	0.00	3.87	0.00	7
1956	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1957	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.37	1.87	0.85	0.00	0.00	4
1958	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1959	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.32	1.63	1.70	0.00	0.00	0.00	4
1960	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.22	2.21	1.68	1.76	1.64	0.00	8
1961	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.86	2.70	1.59	0.00	0.00	0.00	5
1962	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.39	1.62	0.63	0.00	0.00	5
1963	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.41	1.91	1.23	0.00	0.00	5
1964	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.10	2.58	4.11	0.00	0.45	0.00	7
1965	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.21	1.94	0.00	0.00	0.00	4
1966	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.75	2.66	0.00	0.00	0.00	6
1967	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1968	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.66	1.74	0.00	0.00	0.00	3
1969	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1970	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.00	2.56	4.10	0.00	0.00	10
1971	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00	1.68	0.17	0.00	0.00	4
1972	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.61	4.35	3.99	1.27	0.00	0.00	10
1973	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.66	1.57	0.00	0.00	0.00	3
1974	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.80	1.14	0.00	0.00	0.00	2
1975	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.06	1.75	0.00	0.00	0.00	4
1976	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.53	3.28	4.88	2.67	4.92	1.50	18
1977	Critical	0.00	0.00	0.00	0.00	0.00	0.52	0.92	2.05	3.29	0.00	3.12	0.00	10
1978	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1979	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.76	0.00	0.00	0.00	2
1980	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1981	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.77	1.88	0.00	0.00	0.00	4
1982	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1983	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1984	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.41	2.80	0.42	0.00	0.00	8
1985	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.46	2.10	2.85	0.00	0.00	0.00	5
1986	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.75	0.00	0.00	6
1987	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.56	1.81	2.26	0.79	3.99	0.00	9
1988	Critical	0.00	0.00	0.00	0.00	0.00	1.22	0.38	2.08	2.55	0.36	5.02	0.00	12
1989	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.44	1.59	1.21	1.98	0.00	6
1990	Critical	0.00	0.00	0.00	0.00	0.00	0.00	1.50	1.88	4.37	1.80	4.37	0.10	14
1991	Critical	0.00	0.00	0.00	0.00	0.00	0.00	1.10	1.28	3.63	0.49	2.85	0.00	9
1992	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.31	3.00	2.39	4.13	0.00	12
1993	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.78	0.00	0.00	0.00	0.00	2
1994	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.39	1.80	4.98	0.00	0.00	0.00	7
1995	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1996	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.46	0.00	0.00	0.00	2
1997	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.80	1.71	0.00	0.00	0.00	3
1998	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1999	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.03	1.75	0.00	0.00	0.00	5
2000	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.80	1.89	2.94	0.00	0.00	8
2001	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.26	1.42	2.55	0.33	3.20	0.63	8
2002	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.07	1.76	0.00	0.00	0.00	4
2003	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.98	4.25	4.26	0.00	0.00	10
Average		0	0	0	0	0	0	0	2	2	1	1	0	6
Wet		0	0	0	0	0	0	0	1	1	0	0	0	2
Above Normal		0	0	0	0	0	0	0	1	1	2	0	0	4
Below Normal		0	0	0	0	0	0	0	2	2	1	0	0	5
Dry		0	0	0	0	0	0	0	2	2	1	2	0	8
Critical		0	0	0	0	0	0	1	2	4	1	4	0	12

Difference in Energy generated (GWh) at O'Neill: CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	-1	0
1925	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	0	0	0	0	0	-1	0	0	0	-2	0
1927	Wet	0	0	0	0	0	0	0	1	0	-1	0	0	0
1928	Above Norma	0	0	0	0	0	0	0	0	0	-1	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	-1	0	0	0	0
1930	Dry	0	0	0	0	0	0	0	0	0	-3	2	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1932	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1935	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	-1	0	0
1937	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	0	-1	0	0	0	0	0
1940	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	-1	-1	-1	0	0
1945	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1946	Below Norma	0	0	0	0	0	0	0	0	0	-1	0	0	0
1947	Dry	0	0	0	0	0	0	0	0	1	0	0	0	0
1948	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1949	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Norma	0	0	0	0	0	0	0	-2	0	0	0	0	0
1951	Above Norma	0	0	0	0	0	0	0	-2	-1	1	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	-1	0	-1	0	0
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	0	1	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	1	0	0	0	0	0
1961	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Norma	-1	0	0	0	0	0	0	-1	0	1	0	0	0
1963	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	0	0	1	2	-2	-2	0	0
1965	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1966	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	0	0	1	0	0	0	0
1973	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	1	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	2	0	0
1978	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	1	0	0	0	0
1986	Wet	0	0	0	0	0	0	0	0	0	-1	0	0	0
1987	Dry	0	0	0	0	0	0	0	0	0	1	-1	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	Dry	0	0	0	0	0	0	0	0	1	1	1	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	3	0	0	0	0
1995	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	-1	-1	-1	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	Above Norma	0	0	0	0	0	0	0	0	2	0	0	0	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Below Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Dry		0	0	0	0	0	0	0	0	0	0	0	0	0
Critical		0	0	0	0	0	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy generated (GWh) at O'Neill: CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	-	-	-	-	-	-	-	-	-	-	-	-
1923	Below Norma	-	-	-	-	-	-	-	-10%	-14%	-	-	-
1924	Critical	-	-	-	-	-100%	0%	-5%	0%	0%	-34%	0%	-100%
1925	Dry	-	-	-	-	-	-	-	12%	-11%	-35%	-3%	-
1926	Dry	-	-	-	-	-	-	-	-29%	-3%	5%	3%	-100%
1927	Wet	-	-	-	-	-	-	-	31%	0%	-100%	-	-
1928	Above Norma	-	-	-	-	-	-	-	-3%	-3%	-18%	-	-
1929	Critical	-	-	-	-	-	11%	4%	-3%	-11%	-12%	3%	-
1930	Dry	-	-	-	-	-	-	9%	3%	-2%	-56%	55%	-
1931	Critical	-	-	-	-	-	-	0%	0%	0%	8%	-2%	-
1932	Dry	-	-	-	-	-	2%	2%	2%	3%	5%	-	-
1933	Critical	-	-	-	-	-	0%	0%	0%	0%	0%	0%	-
1934	Critical	-	-	-	-	-	0%	0%	0%	0%	1%	0%	45%
1935	Below Norma	3%	-	-	-	-	-	-	0%	3%	-1%	-4%	-
1936	Below Norma	-	-	-	-	-	-	-	-	-3%	22%	-43%	-
1937	Below Norma	-	-	-	-	-	-	-	-	-1%	-2%	-4%	-
1938	Wet	-	-	-	-	-	-	-	-	-	-	-	-
1939	Dry	-	-	-	-	-	-	17%	-38%	3%	-5%	1%	-
1940	Above Norma	-	-	-	-	-	-	-	1%	0%	0%	-	-
1941	Wet	-	-	-	-	-	-	-	-	-	-	-	-
1942	Wet	-	-	-	-	-	-	-	0%	-	-	-	-
1943	Wet	-	-	-	-	-	-	-	-	0%	-	-	-
1944	Dry	-	-	-	-	-	-	43%	8%	-26%	-34%	-22%	-
1945	Below Norma	-	-	-	-	-	-	-	11%	-3%	-	-	-
1946	Below Norma	-	-	-	-	-	-	-	4%	3%	-100%	-	-
1947	Dry	-	-	-	-	-	-	-8%	-1%	83%	-27%	-16%	-
1948	Below Norma	-	-	-	-	-	-	-	4%	7%	-	-	-
1949	Dry	-	-	-	-	-	-	0%	0%	0%	-	-	-
1950	Below Norma	-	-	-	-	-	-	-	-64%	6%	3%	-	-
1951	Above Norma	-	-	-	-	-	-	-	-55%	-28%	40%	-	-
1952	Wet	-	-	-	-	-	-	-	-	-	-	-	-
1953	Wet	-	-	-	-	-	-	-	0%	0%	-	-	-
1954	Above Norma	-	-	-	-	-	-	-	0%	0%	8%	-	-
1955	Dry	-	-	-	-	-	-	-7%	7%	-56%	-100%	-25%	-
1956	Wet	-	-	-	-	-	-	-	-	-	-	-	-
1957	Above Norma	-	-	-	-	-	-	-	0%	0%	305%	-	-
1958	Wet	-	-	-	-	-	-	-	-	-	-	-	-
1959	Below Norma	-	-	-	-	-	-	0%	0%	0%	-	-	-
1960	Dry	-	-	-	-	-	-	-1%	79%	22%	14%	17%	-
1961	Dry	-	-	-	-	-	-	5%	0%	6%	-	-	-
1962	Below Norma	-100%	-	-	-	-	-	-	-24%	6%	-	-	-
1963	Wet	-	-	-	-	-	-	-	0%	0%	-26%	-	-
1964	Dry	-	-	-	-	-	-	-39%	77%	141%	-100%	-77%	-
1965	Wet	-	-	-	-	-	-	-	6%	9%	-	-	-
1966	Below Norma	-	-	-	-	-	-	-	0%	0%	-	-	-
1967	Wet	-	-	-	-	-	-	-	-	-	-	-	-
1968	Below Norma	-	-	-	-	-	-	-	0%	0%	-	-	-
1969	Wet	-	-	-	-	-	-	-	-	-	-	-	-
1970	Wet	-	-	-	-	-	-	-	4%	6%	2%	-	-
1971	Wet	-	-	-	-	-	-	-	0%	0%	-3%	-	-
1972	Below Norma	-	-	-	-	-	-	0%	0%	46%	32%	-	-
1973	Above Norma	-	-	-	-	-	-	-	0%	0%	-	-	-
1974	Wet	-	-	-	-	-	-	-	0%	0%	-	-	-
1975	Wet	-	-	-	-	-	-	-	-2%	0%	-	-	-
1976	Critical	-	-	-	-	-	-	-14%	5%	8%	0%	-2%	65%
1977	Critical	-	-	-	-	-	0%	0%	0%	0%	-	278%	-
1978	Above Norma	-	-	-	-	-	-	-	-	-	-	-	-
1979	Below Norma	-	-	-	-	-	-	-	-	4%	-	-	-
1980	Above Norma	-	-	-	-	-	-	-	-	-	-	-	-
1981	Dry	-	-	-	-	-	-	-	0%	-4%	-	-	-
1982	Wet	-	-	-	-	-	-	-	-	-	-	-	-
1983	Wet	-	-	-	-	-	-	-	-	-	-	-	-
1984	Wet	-	-	-	-	-	-	-	0%	0%	5%	-	-
1985	Dry	-	-	-	-	-	-	17%	5%	66%	-	-	-
1986	Wet	-	-	-	-	-	-	-	-	-	-15%	-	-
1987	Dry	-	-	-	-	-	-	-10%	8%	12%	-	-16%	-
1988	Critical	-	-	-	-	-	1%	8%	2%	-12%	-54%	1%	-
1989	Dry	-	-	-	-	-	-	-	5%	76%	214%	72%	-
1990	Critical	-	-	-	-	-	-	0%	0%	0%	8%	0%	1%
1991	Critical	-	-	-	-	-	-	3%	4%	2%	23%	3%	-
1992	Critical	-	-	-	-	-	-	-	-3%	-4%	2%	-8%	-
1993	Above Norma	-	-	-	-	-	-	-	0%	-	-	-	-
1994	Critical	-	-	-	-	-	-	0%	0%	112%	-	-	-
1995	Wet	-	-	-	-	-	-	-	-	-	-	-	-
1996	Wet	-	-	-	-	-	-	-	-	-11%	-	-	-
1997	Wet	-	-	-	-	-	-	-	-22%	0%	-	-	-
1998	Wet	-	-	-	-	-	-	-	-	-	-	-	-
1999	Wet	-	-	-	-	-	-	-	0%	0%	-	-	-
2000	Above Norma	-	-	-	-	-	-	-	0%	0%	18%	-	-
2001	Dry	-	-	-	-	-	-	52%	11%	-23%	-73%	-21%	8%
2002	Dry	-	-	-	-	-	-	-	3%	5%	-	-	-
2003	Above Norma	-	-	-	-	-	-	-	9%	112%	5%	-	-
Average		-48%	#DIV/0!	#DIV/0!	#DIV/0!	-100%	2%	3%	1%	8%	-2%	7%	-14%
Wet		0%	0%	0%	0%	0%	0%	0%	1%	0%	-5%	0%	0%
Above Norma		0%	0%	0%	0%	0%	0%	0%	-4%	7%	30%	0%	0%
Below Norma		-7%	0%	0%	0%	0%	0%	0%	-6%	4%	-3%	-4%	0%
Dry		0%	0%	0%	0%	0%	0%	4%	8%	16%	-11%	-2%	-5%
Critical		0%	0%	0%	0%	-8%	1%	0%	0%	8%	-5%	23%	1%

Energy generated (GWh) at Shasta Dam : CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	81.93	76.67	102.12	80.70	95.79	113.89	114.70	128.06	255.14	299.12	229.92	110.24	1,688
1923	Below Normal	92.24	101.78	100.98	79.40	102.43	112.23	113.34	252.64	256.69	243.14	184.18	103.56	1,743
1924	Critical	141.34	110.93	85.64	45.97	43.81	85.10	158.74	158.73	199.95	160.21	111.32	44.31	1,346
1925	Dry	51.14	46.09	54.32	0.00	21.21	168.05	38.21	90.92	207.80	241.82	194.39	93.95	1,208
1926	Dry	118.39	92.37	88.12	72.73	52.91	98.45	85.15	148.23	228.42	249.41	152.04	70.77	1,457
1927	Wet	76.91	59.66	62.53	97.07	422.98	110.71	222.80	236.08	283.33	318.43	241.16	108.04	2,240
1928	Above Normal	117.57	135.38	113.63	108.84	100.80	390.69	85.75	278.52	290.97	305.68	258.44	106.49	2,293
1929	Critical	127.27	88.33	91.27	29.98	70.39	79.84	145.51	163.69	174.10	208.78	170.46	101.05	1,451
1930	Dry	109.16	80.54	55.30	73.73	71.75	98.27	109.00	143.07	241.03	216.30	188.71	83.56	1,470
1931	Critical	100.27	79.72	76.89	71.97	65.11	72.22	170.74	156.74	190.80	193.76	133.05	84.84	1,396
1932	Dry	80.08	45.05	54.46	30.08	57.40	64.65	96.04	80.87	134.70	154.35	115.80	78.18	992
1933	Critical	75.98	61.84	59.68	61.68	53.75	64.66	94.30	108.57	140.42	174.47	144.18	94.79	1,134
1934	Critical	80.55	53.90	58.64	56.42	53.76	65.83	111.66	135.40	201.13	170.01	117.21	46.98	1,151
1935	Below Normal	44.70	53.23	53.42	39.75	59.11	67.16	63.86	132.68	214.14	219.06	176.24	80.02	1,203
1936	Below Normal	92.02	81.46	69.38	62.33	60.36	110.15	114.02	166.85	203.57	266.93	216.13	96.69	1,540
1937	Below Normal	121.09	105.72	81.95	73.33	66.54	76.99	68.10	113.13	209.35	226.83	204.98	100.53	1,449
1938	Wet	99.24	126.67	422.16	103.18	428.52	466.27	274.20	205.94	241.49	310.06	245.71	204.56	3,128
1939	Dry	167.47	107.34	103.21	90.79	75.14	79.96	230.12	201.54	238.00	333.13	185.15	120.18	1,932
1940	Above Normal	43.22	71.27	73.57	45.31	415.21	461.16	93.43	169.70	267.49	300.63	226.51	139.34	2,307
1941	Wet	120.29	96.26	146.75	457.06	417.53	286.52	305.12	296.88	239.19	264.67	297.44	219.58	3,147
1942	Wet	160.54	103.95	400.49	422.91	420.85	115.83	99.82	256.83	223.67	276.57	287.32	218.00	2,987
1943	Wet	160.19	121.76	135.09	295.29	172.22	295.40	131.58	207.93	269.49	334.05	242.56	105.44	2,471
1944	Dry	124.00	120.46	112.62	90.29	100.29	115.56	175.42	158.94	209.12	216.10	204.40	130.72	1,758
1945	Below Normal	106.29	79.10	82.04	74.60	84.66	113.87	121.41	165.04	253.34	300.59	226.84	145.91	1,754
1946	Below Normal	128.72	114.59	454.36	172.32	140.50	118.14	169.76	203.21	264.32	288.89	207.16	89.97	2,352
1947	Dry	145.10	92.66	94.79	93.36	95.10	107.79	121.26	230.83	261.93	279.80	174.07	134.74	1,831
1948	Below Normal	76.51	79.24	76.99	67.56	178.13	75.81	83.40	121.47	243.02	331.87	226.47	186.11	1,747
1949	Dry	153.24	108.26	112.39	89.92	197.22	42.29	109.13	188.06	279.57	347.99	212.12	83.37	1,924
1950	Below Normal	131.44	102.23	102.92	89.68	87.39	111.87	114.65	182.42	228.54	238.33	190.97	94.08	1,675
1951	Above Normal	82.66	207.83	357.94	177.70	340.52	114.66	159.47	136.55	287.49	354.07	207.20	105.51	2,532
1952	Wet	105.88	91.05	356.93	185.31	419.37	271.18	444.21	242.16	197.75	271.88	282.94	213.33	3,082
1953	Wet	154.94	108.34	207.47	458.90	88.82	99.94	101.82	250.40	255.56	321.12	235.44	214.62	2,497
1954	Above Normal	159.38	157.33	103.48	314.37	392.79	217.66	257.83	341.40	245.49	351.56	234.01	85.65	2,861
1955	Dry	116.16	91.33	98.07	79.64	126.23	116.47	145.43	134.09	272.09	259.86	166.97	78.05	1,684
1956	Wet	103.84	92.66	441.57	451.29	426.20	89.30	94.18	280.51	245.98	253.42	240.24	215.95	2,935
1957	Above Normal	176.75	106.89	113.12	89.37	204.01	232.74	268.94	129.66	269.21	357.47	224.25	59.27	2,232
1958	Wet	207.62	151.01	222.57	286.38	415.61	460.79	267.02	178.32	248.99	294.56	302.92	226.79	3,263
1959	Below Normal	171.13	108.90	113.23	227.01	298.44	220.61	206.62	216.28	320.06	295.87	238.23	51.96	2,468
1960	Dry	116.76	111.28	94.02	65.29	56.13	97.57	141.02	120.01	290.79	262.66	219.01	132.47	1,707
1961	Dry	109.58	93.46	82.69	79.33	106.60	149.99	203.70	188.65	301.87	350.01	383.84	91.68	2,141
1962	Below Normal	101.62	111.19	101.24	124.91	106.35	105.48	137.57	205.01	256.37	352.14	216.98	140.63	1,959
1963	Wet	96.92	124.38	217.74	112.47	176.01	275.15	486.83	143.68	252.70	348.63	222.59	95.47	2,553
1964	Dry	163.78	196.60	97.06	88.44	72.42	119.46	235.87	194.55	220.98	207.46	184.75	122.41	1,904
1965	Wet	96.05	78.31	387.03	458.58	69.70	117.17	191.84	245.02	268.44	302.27	157.83	93.31	2,466
1966	Below Normal	152.02	201.93	109.77	132.80	124.55	301.59	166.46	220.02	371.50	347.94	222.66	112.90	2,464
1967	Wet	150.13	74.16	186.14	213.52	157.77	379.72	242.36	375.91	252.33	273.94	295.05	215.86	2,817
1968	Below Normal	166.82	104.59	103.53	94.96	360.44	95.40	207.21	192.76	338.17	288.73	209.85	90.64	2,253
1969	Wet	80.94	87.12	95.58	418.88	420.86	133.74	297.52	301.53	253.09	271.19	233.06	212.04	2,806
1970	Wet	169.69	107.36	352.19	452.64	278.80	88.86	245.29	195.77	248.43	367.77	174.97	67.06	2,749
1971	Wet	118.18	78.09	267.38	334.13	158.56	365.10	128.91	245.88	242.29	354.62	211.64	193.18	2,698
1972	Below Normal	173.53	114.88	105.46	86.07	120.43	291.41	200.02	205.42	332.34	320.69	245.41	82.79	2,278
1973	Above Normal	97.99	82.31	162.84	339.13	395.87	158.04	114.78	156.65	294.33	325.72	220.53	75.89	2,424
1974	Wet	125.38	437.28	455.53	450.59	103.65	470.55	135.81	169.52	248.19	235.51	302.16	231.07	3,365
1975	Wet	168.07	119.49	103.93	111.11	142.43	490.65	100.23	250.36	259.66	242.23	280.67	225.93	2,495
1976	Critical	192.76	119.24	98.44	21.81	104.87	117.80	135.74	202.41	274.70	237.26	116.75	69.66	1,691
1977	Critical	118.29	89.95	104.91	81.68	85.73	87.21	195.26	129.92	301.07	250.30	128.49	58.31	1,631
1978	Above Normal	56.86	60.17	54.03	0.00	154.49	334.93	154.82	245.82	283.40	291.77	224.21	109.21	1,970
1979	Below Normal	148.77	106.27	112.38	109.69	66.31	73.05	88.42	150.01	344.43	298.05	167.73	74.35	1,739
1980	Above Normal	88.44	121.26	100.23	437.11	432.31	83.26	95.21	182.65	248.34	286.40	201.02	76.88	2,353
1981	Dry	108.81	119.31	107.97	74.31	90.24	145.89	86.48	216.38	365.94	268.03	208.68	150.03	1,942
1982	Wet	67.01	163.54	454.81	163.35	428.99	295.73	485.65	87.24	208.04	282.68	248.54	215.06	3,101
1983	Wet	177.66	144.30	303.02	440.61	410.50	455.33	201.76	237.43	303.14	308.25	310.22	238.42	3,531
1984	Wet	180.15	263.55	454.41	134.98	99.51	249.00	189.71	208.53	246.74	356.24	188.22	79.60	2,651
1985	Dry	156.68	236.81	135.69	77.19	101.91	85.05	133.23	231.78	260.15	243.54	219.15	131.77	2,013
1986	Wet	109.56	87.22	76.04	65.51	396.42	464.71	68.79	187.26	265.41	240.36	198.43	56.32	2,216
1987	Dry	89.02	109.06	110.88	88.47	68.42	72.83	223.37	258.20	337.82	268.81	128.18	122.54	1,878
1988	Critical	111.90	93.37	65.26	65.35	108.36	122.69	130.52	136.20	280.30	248.68	126.79	112.98	1,602
1989	Dry	117.14	57.18	69.25	70.24	64.81	46.45	80.02	255.80	240.12	264.94	190.78	111.26	1,568
1990	Critical	77.59	129.85	100.97	74.13	75.79	79.38	161.27	96.92	208.82	254.99	142.33	85.28	1,487
1991	Critical	94.61	85.70	76.85	71.67	64.89	65.00	74.23	141.51	168.54	177.01	126.99	95.67	1,243
1992	Critical	86.84	87.80	66.37	63.29	35.73	52.23	78.22	232.01	294.04	238.07	172.55	68.33	1,475
1993	Above Normal	79.97	67.16	53.77	47.49	40.49	56.38	126.34	283.18	255.06	341.13	192.16	206.72	1,750
1994	Critical	148.97	107.00	111.41	60.56	67.72	132.94	190.63	158.18	253.33	267.40	220.26	96.02	1,814
1995	Wet	104.75	85.02	66.81	198.29	148.65	471.66	179.25	330.40	241.13	287.47	290.48	213.73	2,618
1996	Wet	160.68	129.58	113.61	82.77	443.85	226.95	109.86	300.64	245.54	291.58	206.90	209.01	2,521
1997	Wet	162.34	160.74	451.55	450.25	93.39	118.32	171.61	237.69	252.25	301.12	157.28	94.26	2,651
1998	Wet													

Shasta Lake Water Resource Investigation
Socioeconomic Appendix - Power and Energy Technical Report

Energy generated (GWh) at Shasta Dam : CP1_2020

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	81.93	76.67	102.12	80.70	95.79	110.12	114.78	128.14	255.31	286.66	230.70	110.65	1,674
1923	Below Normal	92.58	96.22	98.71	76.06	103.03	112.88	113.95	238.91	243.70	236.52	171.37	99.88	1,684
1924	Critical	134.38	103.89	83.30	44.68	59.17	86.16	156.50	165.69	211.89	174.28	123.21	92.92	1,436
1925	Dry	55.62	46.88	56.02	0.00	21.53	161.16	41.04	92.68	202.36	252.50	197.89	95.27	1,223
1926	Dry	120.38	93.80	89.37	73.27	53.54	97.99	84.75	163.20	231.35	252.11	166.03	80.03	1,506
1927	Wet	88.22	59.58	62.41	94.43	431.92	112.81	226.64	240.66	288.89	499.19	230.04	90.86	2,426
1928	Above Normal	113.40	90.84	108.92	81.63	100.50	267.66	120.39	290.52	318.71	300.34	254.35	108.36	2,156
1929	Critical	127.68	92.14	94.89	66.35	70.66	76.44	147.02	165.02	172.30	213.86	172.30	100.03	1,499
1930	Dry	110.00	80.92	50.31	74.18	74.79	101.29	109.45	143.59	241.99	217.29	190.80	82.84	1,477
1931	Critical	100.66	80.13	77.27	72.31	65.41	73.92	171.43	157.43	204.22	193.90	132.37	89.25	1,418
1932	Dry	74.43	45.05	54.88	29.93	57.38	64.63	96.29	78.88	135.20	154.77	116.22	78.18	986
1933	Critical	76.12	61.79	59.61	61.68	53.75	64.66	94.22	108.75	140.75	174.51	144.09	100.80	1,141
1934	Critical	81.19	54.55	58.15	58.24	55.18	67.48	110.99	132.43	198.52	167.89	115.04	38.46	1,138
1935	Below Normal	45.82	53.08	53.28	42.23	58.90	66.97	63.73	132.06	213.63	218.53	175.79	79.84	1,204
1936	Below Normal	91.81	81.14	69.24	62.22	60.80	110.02	113.90	166.16	202.77	265.88	211.17	100.32	1,535
1937	Below Normal	121.23	105.56	82.26	73.36	66.47	76.92	77.63	112.82	208.14	225.52	203.89	94.34	1,448
1938	Wet	100.33	95.59	349.98	105.29	442.84	482.54	279.25	209.47	246.35	315.78	250.27	207.16	3,085
1939	Dry	170.91	109.63	105.45	92.70	76.66	112.88	243.93	201.74	282.33	259.17	200.94	130.99	1,987
1940	Above Normal	66.32	96.31	74.41	45.74	427.55	478.04	95.18	178.36	272.55	307.78	231.41	119.50	2,393
1941	Wet	131.20	113.80	142.04	474.10	432.66	291.92	310.53	302.54	243.98	268.83	302.53	223.68	3,238
1942	Wet	163.80	106.13	409.27	431.98	435.68	118.08	110.53	252.04	227.86	276.66	296.92	222.08	3,051
1943	Wet	163.41	124.35	137.96	301.38	175.46	300.70	133.84	211.91	275.03	340.07	247.69	120.17	2,532
1944	Dry	123.88	122.82	114.89	92.10	102.19	117.59	178.55	162.81	244.18	232.34	226.79	127.69	1,846
1945	Below Normal	106.51	81.32	84.13	75.03	81.60	114.42	121.82	165.04	238.98	312.79	234.81	147.50	1,764
1946	Below Normal	110.75	103.11	468.73	175.83	147.93	120.23	174.30	208.66	270.97	335.29	215.35	95.24	2,426
1947	Dry	167.32	93.11	95.24	91.09	97.79	104.53	121.48	231.47	244.82	289.94	184.97	127.58	1,849
1948	Below Normal	88.30	81.59	79.15	70.25	168.94	76.29	84.11	81.87	199.98	331.48	244.38	205.26	1,712
1949	Dry	139.20	110.56	114.79	91.85	215.55	49.50	110.35	191.16	283.54	356.33	215.29	96.47	1,975
1950	Below Normal	133.24	104.38	104.73	93.69	90.61	111.46	115.79	184.65	228.05	244.78	202.19	87.47	1,701
1951	Above Normal	120.13	119.34	365.76	181.29	347.02	118.29	188.51	138.55	291.56	359.12	212.27	107.51	2,549
1952	Wet	102.92	104.71	326.75	189.08	427.49	276.11	452.15	246.52	201.67	276.31	287.74	217.27	3,109
1953	Wet	158.02	110.76	211.85	475.72	90.62	101.79	117.69	240.18	260.42	317.15	249.06	218.58	2,552
1954	Above Normal	162.60	160.71	105.64	320.83	400.53	221.59	262.42	351.91	244.02	358.47	241.55	88.16	2,918
1955	Dry	136.19	105.08	97.83	80.81	150.37	89.36	152.03	142.15	290.62	296.40	170.04	77.97	1,789
1956	Wet	102.07	93.08	453.62	468.57	442.29	91.04	95.89	285.49	250.79	258.06	243.49	219.97	3,004
1957	Above Normal	180.36	109.27	115.64	91.34	207.82	236.93	274.41	133.29	276.67	363.77	240.48	73.35	2,303
1958	Wet	180.45	154.25	227.37	292.31	430.66	477.71	271.84	181.37	253.70	299.65	308.04	230.99	3,308
1959	Below Normal	174.53	111.32	115.74	231.43	304.12	229.29	210.42	220.10	339.17	290.56	243.65	74.27	2,545
1960	Dry	126.07	157.92	98.02	63.61	56.37	98.42	141.37	120.50	288.51	274.09	215.11	125.34	1,765
1961	Dry	109.78	97.00	85.94	73.42	60.14	110.36	206.75	202.66	307.99	356.23	284.45	112.76	2,007
1962	Below Normal	124.95	142.71	101.51	117.72	164.34	107.42	141.63	211.89	264.56	358.42	274.27	114.62	2,124
1963	Wet	104.43	108.97	197.29	114.84	179.22	304.53	500.11	146.12	257.66	348.26	226.96	102.91	2,591
1964	Dry	167.12	200.87	99.19	93.64	105.08	119.36	245.69	197.72	237.18	240.40	195.69	108.28	2,010
1965	Wet	95.21	78.59	317.56	475.60	71.08	138.57	174.82	263.10	244.02	329.80	182.87	127.81	2,499
1966	Below Normal	131.88	164.98	98.54	149.52	126.79	306.97	169.39	224.37	379.80	354.89	266.96	100.16	2,474
1967	Wet	140.76	81.02	168.97	217.89	160.71	386.59	246.75	383.22	257.13	278.63	300.03	219.85	2,842
1968	Below Normal	170.19	106.91	105.80	96.96	367.30	97.15	211.75	198.52	346.41	294.90	227.27	90.11	2,313
1969	Wet	87.36	91.34	86.52	414.44	435.81	136.15	302.80	307.22	258.44	275.95	237.27	214.66	2,848
1970	Wet	173.17	109.74	359.78	469.77	284.73	90.55	250.26	200.73	260.88	328.40	216.04	69.32	2,813
1971	Wet	130.82	79.28	263.98	341.11	192.39	339.60	130.68	250.93	247.08	360.89	215.55	195.98	2,748
1972	Below Normal	177.09	117.33	107.69	87.80	122.53	296.57	205.78	211.49	288.56	342.48	282.67	94.98	2,335
1973	Above Normal	91.45	96.28	149.27	346.14	403.69	160.86	116.91	159.74	300.38	358.55	198.85	87.85	2,470
1974	Wet	113.80	454.01	472.78	467.83	105.69	486.56	138.15	172.50	253.01	239.13	307.32	235.39	3,446
1975	Wet	171.44	122.04	106.19	113.46	144.96	505.86	102.05	254.82	264.72	246.29	285.20	230.15	2,547
1976	Critical	196.75	121.80	100.60	65.70	307.33	111.14	127.82	179.83	220.06	231.11	103.94	70.43	1,837
1977	Critical	103.52	93.76	106.95	87.33	170.61	81.79	199.90	122.19	282.20	198.44	46.76	68.25	1,562
1978	Above Normal	56.86	60.84	56.25	0.00	70.85	314.52	157.50	250.57	289.12	297.31	228.75	109.23	1,892
1979	Below Normal	151.72	108.64	114.92	112.16	96.80	74.04	92.36	153.83	351.49	306.87	169.19	86.94	1,819
1980	Above Normal	89.45	104.80	101.69	409.25	447.82	84.88	118.66	185.48	252.04	290.81	204.46	98.89	2,388
1981	Dry	129.03	108.50	105.57	75.22	91.23	107.23	87.97	220.72	353.31	335.61	219.51	93.98	1,928
1982	Wet	74.47	159.82	472.04	166.68	443.40	301.28	500.22	88.56	212.15	287.89	252.04	219.07	3,178
1983	Wet	181.30	147.44	309.62	450.08	425.86	472.24	205.44	241.57	308.99	313.63	315.51	242.88	3,615
1984	Wet	183.80	269.33	471.62	137.68	101.36	253.32	201.50	212.69	260.52	361.75	195.91	119.56	2,769
1985	Dry	111.38	226.71	138.58	113.80	103.30	82.77	138.17	237.36	329.25	244.16	215.50	119.35	2,060
1986	Wet	93.52	88.37	76.60	66.15	407.76	481.37	82.43	204.95	268.83	259.11	215.25	57.61	2,302
1987	Dry	99.63	115.92	108.17	85.50	65.58	73.39	226.01	259.52	330.45	260.86	203.29	121.54	1,950
1988	Critical	75.76	93.44	65.82	62.16	107.47	123.67	134.94	137.39	283.89	256.03	128.61	113.71	1,583
1989	Dry	117.88	57.55	74.05	70.52	65.05	46.59	111.82	253.56	230.64	259.33	177.53	111.73	1,576
1990	Critical	79.86	133.55	97.08	71.04	82.50	79.50	161.37	97.00	209.21	254.19	142.58	85.04	1,493
1991	Critical	94.88	85.82	77.12	71.86	64.42	65.17	74.41	142.23	169.56	178.54	128.61	96.08	1,249
1992	Critical	86.99	87.66	66.50	63.42	35.79	49.99	80.08	235.83	298.18	240.24	143.05	87.90	1,476
1993	Above Normal	85.92	71.46	53.54	49.30	42.36	56.24	114.51	170.22	259.89	348.29	194.00	210.55	1,656
1994	Critical	151.93	109.39	113.91	87.73	68.76	134.89	193.48	173.26	229.51	267.73	340.29	97.54	1,968
1995	Wet	107.74	82.81	65.64	65.40	151.58	487.59	182.41	336.43	245.69	292.43	295.41	217.70	2,531
1996	Wet	163.90	141.35	106.77	84.36	458.64	231.13	120.37	297.21	250.06	296.83	210.82	211.95	2,573
1997	Wet	165.62	164.19	468.83	467.53	95.30	120.52	204.87	242.57	257.61	311.22	173.46	96.19	2,768
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Difference in Energy generated (GWh) at Shasta Dam : CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norm	0	0	0	0	0	-4	0	0	0	-12	1	0	-1
1923	Below Norm	0	-6	-2	-3	1	1	1	-14	-13	-7	-13	-4	-5
1924	Critical	-7	-7	-2	-1	15	1	-2	7	12	14	12	49	8
1925	Dry	4	1	2	0	0	-7	3	2	-5	11	3	1	1
1926	Dry	2	1	1	1	1	0	0	15	3	3	14	9	4
1927	Wet	11	0	0	-3	9	2	4	5	6	181	-11	-17	15
1928	Above Norm	-4	-45	-5	-27	0	-123	35	12	28	-5	-4	2	-11
1929	Critical	0	4	4	36	0	-3	2	1	-2	5	2	-1	4
1930	Dry	1	0	-5	0	3	3	0	1	1	1	2	-1	1
1931	Critical	0	0	0	0	0	0	2	1	13	0	-1	4	2
1932	Dry	-6	0	0	0	0	0	0	-2	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	6	1
1934	Critical	1	1	0	2	1	2	-1	-3	-3	-2	-2	-9	-1
1935	Below Norm	1	0	0	2	0	0	0	-1	-1	-1	0	0	0
1936	Below Norm	0	0	0	0	0	0	0	-1	-1	-1	-5	4	0
1937	Below Norm	0	0	0	0	0	0	10	0	-1	-1	-1	-6	0
1938	Wet	1	-31	-72	2	14	16	5	4	5	6	5	3	-4
1939	Dry	3	2	2	2	2	33	14	0	44	-74	16	11	5
1940	Above Norm	23	25	1	0	12	17	2	9	5	7	5	-20	7
1941	Wet	11	18	-5	17	15	5	5	6	5	4	5	4	8
1942	Wet	3	2	9	9	15	2	11	-5	4	0	10	4	5
1943	Wet	3	3	3	6	3	5	2	4	6	6	5	15	5
1944	Dry	0	2	2	2	2	2	3	4	35	16	22	-3	7
1945	Below Norm	0	2	2	0	-3	1	0	0	-14	12	8	2	1
1946	Below Norm	-18	-11	14	4	7	2	5	5	7	46	8	5	6
1947	Dry	22	0	0	-2	3	-3	0	1	-17	10	11	-7	1
1948	Below Norm	12	2	2	3	-9	0	1	-40	-43	0	18	19	-3
1949	Dry	-14	2	2	2	18	7	1	3	4	8	3	13	4
1950	Below Norm	2	2	2	4	3	0	1	2	0	6	11	-7	2
1951	Above Norm	37	-88	8	4	7	4	29	2	4	5	5	2	1
1952	Wet	-3	14	-30	4	8	5	8	4	4	4	5	4	2
1953	Wet	3	2	4	17	2	2	16	-10	5	-4	14	4	5
1954	Above Norm	3	3	2	6	8	4	5	11	-1	7	8	3	5
1955	Dry	20	14	0	1	24	-27	7	8	19	37	3	0	9
1956	Wet	-2	0	12	17	16	2	2	5	5	5	3	4	6
1957	Above Norm	4	2	3	2	4	4	5	4	7	6	16	14	6
1958	Wet	-27	3	5	6	15	17	5	3	5	5	5	4	4
1959	Below Norm	3	2	3	4	6	9	4	4	19	-5	5	22	6
1960	Dry	9	47	4	-2	0	1	0	0	-2	11	-4	-7	5
1961	Dry	0	4	3	-6	-46	-40	3	14	6	6	-99	-21	-11
1962	Below Norm	23	32	0	-7	58	2	4	7	8	6	57	26	14
1963	Wet	8	-15	-20	2	3	29	13	2	5	0	4	7	3
1964	Dry	3	4	2	5	33	0	10	3	16	33	11	-14	9
1965	Wet	-1	0	-69	17	1	21	-17	18	-24	28	25	34	3
1966	Below Norm	-20	-37	-11	17	2	5	3	4	8	7	44	-13	1
1967	Wet	-9	7	-17	4	3	7	4	7	5	5	5	4	2
1968	Below Norm	3	2	2	2	7	2	5	6	8	6	17	-1	5
1969	Wet	6	4	-9	-4	15	2	5	6	5	5	4	3	4
1970	Wet	3	2	8	17	6	2	5	5	12	-39	41	2	5
1971	Wet	13	1	-3	7	34	-25	2	5	5	6	4	3	4
1972	Below Norm	4	2	2	2	2	5	6	6	-44	22	37	12	5
1973	Above Norm	-7	14	-14	7	8	3	2	3	6	33	-22	12	4
1974	Wet	-12	17	17	17	2	16	2	3	5	4	5	4	7
1975	Wet	3	3	2	2	3	15	2	4	5	4	5	4	4
1976	Critical	4	3	2	44	202	-7	-8	-23	-55	-6	-13	1	12
1977	Critical	-15	4	2	6	85	-5	5	-8	-19	-52	-82	10	-6
1978	Above Norm	0	1	2	0	-84	-20	3	5	6	6	5	0	-6
1979	Below Norm	3	2	3	2	30	1	4	4	7	9	1	13	7
1980	Above Norm	1	-16	1	-28	16	2	23	3	4	4	3	22	3
1981	Dry	20	-11	-2	1	1	-39	1	4	-13	68	11	-56	-1
1982	Wet	7	-4	17	3	14	6	15	1	4	5	3	4	6
1983	Wet	4	3	7	9	15	17	4	4	6	5	5	4	7
1984	Wet	4	6	17	3	2	4	12	4	14	6	8	40	10
1985	Dry	-45	-10	3	37	1	-2	5	6	69	1	-4	-12	4
1986	Wet	-16	1	1	1	11	17	14	18	3	19	17	1	7
1987	Dry	11	7	-3	-3	-3	1	3	1	-7	-8	75	-1	6
1988	Critical	-36	0	1	-3	-1	1	4	1	4	7	2	1	-2
1989	Dry	1	0	5	0	0	0	32	-2	-9	-6	-13	0	1
1990	Critical	2	4	-4	-3	7	0	0	0	0	-1	0	0	0
1991	Critical	0	0	0	0	0	0	0	1	1	2	2	0	1
1992	Critical	0	0	0	0	0	-2	2	4	4	2	-29	20	0
1993	Above Norm	6	4	0	2	2	0	-12	-113	5	7	2	4	-8
1994	Critical	3	2	2	27	1	2	3	15	-24	0	120	2	13
1995	Wet	3	-2	-1	-133	3	16	3	6	5	5	5	4	-7
1996	Wet	3	12	-7	2	15	4	11	-3	5	5	4	3	4
1997	Wet	3	3	17	17	2	2	33	5	5	10	16	2	10
1998	Wet	2	-8	1	15	15	9	12	-3	9	6	5	5	6
1999	Wet	4	5	5	4	14	5	2	5	5	6	4	2	5
2000	Above Norm	4	3	2	4	15	3	1	4	12	6	4	12	6
2001	Dry	-10	9	0	4	4	1	3	19	46	16	12	-6	8
2002	Dry	-6	3	9	-91	25	5	5	5	7	5	46	-9	0
2003	Above Norm	9	33	1	-112	-3	28	-17	7	5	7	-12	25	-3
Average		1	1	-1	0	9	1	5	1	3	7	6	3	3
Wet		1	2	-4	2	10	8	7	4	4	11	8	6	5
Above Norm		6	-5	0	-12	-1	-7	6	-5	7	6	1	6	0
Below Norm		1	0	1	2	7	2	3	-1	-4	7	14	1	3
Dry		1	4	1	-3	4	-4	5	5	11	8	6	-3	3
Critical		-4	1	0	9	26	-1	0	0	-6	-3	1	7	3

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy generated (GWh) at Shasta Dam : CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	0%	0%	-3%	0%	0%	0%	-4%	0%	0%
1923	Below Norma	0%	-5%	-2%	-4%	1%	1%	1%	-5%	-3%	-7%	-4%	-4%
1924	Critical	-5%	-6%	-3%	-3%	35%	1%	-1%	4%	6%	9%	11%	110%
1925	Dry	9%	2%	3%	3%	1%	-4%	7%	2%	-3%	4%	2%	1%
1926	Dry	2%	2%	1%	1%	1%	0%	0%	10%	1%	1%	9%	13%
1927	Wet	15%	0%	0%	-3%	2%	2%	2%	2%	2%	57%	-5%	-16%
1928	Above Norma	-4%	-33%	-4%	-25%	0%	-31%	40%	4%	10%	-2%	-2%	2%
1929	Critical	0%	4%	4%	121%	0%	-4%	1%	1%	-1%	2%	1%	-1%
1930	Dry	1%	0%	-9%	1%	4%	3%	0%	0%	0%	0%	1%	-1%
1931	Critical	0%	1%	0%	0%	0%	2%	0%	0%	7%	0%	-1%	5%
1932	Dry	-7%	0%	1%	0%	0%	0%	0%	-2%	0%	0%	0%	0%
1933	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	6%
1934	Critical	1%	1%	-1%	3%	3%	2%	-1%	-2%	-1%	-1%	-2%	-18%
1935	Below Norma	3%	0%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%
1936	Below Norma	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	-2%	4%
1937	Below Norma	0%	0%	0%	0%	0%	0%	14%	0%	-1%	-1%	-1%	-6%
1938	Wet	1%	-25%	-17%	2%	3%	3%	2%	2%	2%	2%	2%	1%
1939	Dry	2%	2%	2%	2%	2%	41%	6%	0%	19%	-22%	9%	9%
1940	Above Norma	53%	35%	1%	1%	3%	4%	2%	5%	2%	2%	2%	-14%
1941	Wet	9%	18%	-3%	4%	4%	2%	2%	2%	2%	2%	2%	2%
1942	Wet	2%	2%	2%	2%	4%	2%	11%	-2%	2%	0%	3%	2%
1943	Wet	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	14%
1944	Dry	0%	2%	2%	2%	2%	2%	2%	2%	17%	8%	11%	-2%
1945	Below Norma	0%	3%	3%	1%	-4%	0%	0%	0%	-6%	4%	4%	1%
1946	Below Norma	-14%	-10%	3%	2%	5%	2%	3%	3%	3%	16%	4%	6%
1947	Dry	15%	0%	0%	-2%	3%	-3%	0%	0%	-7%	4%	6%	-5%
1948	Below Norma	15%	3%	3%	4%	-5%	1%	1%	-33%	-18%	0%	8%	10%
1949	Dry	-9%	2%	2%	2%	9%	17%	1%	2%	1%	2%	1%	16%
1950	Below Norma	1%	2%	2%	4%	4%	0%	1%	1%	0%	3%	6%	-7%
1951	Above Norma	45%	-43%	2%	2%	2%	3%	18%	1%	1%	1%	2%	2%
1952	Wet	-3%	15%	-8%	2%	2%	2%	2%	2%	2%	2%	2%	2%
1953	Wet	2%	2%	2%	4%	2%	2%	16%	-4%	2%	-1%	6%	2%
1954	Above Norma	2%	2%	2%	2%	2%	2%	2%	3%	-1%	2%	3%	3%
1955	Dry	17%	15%	0%	1%	19%	-23%	5%	6%	7%	14%	2%	0%
1956	Wet	-2%	0%	3%	4%	4%	2%	2%	2%	2%	2%	1%	2%
1957	Above Norma	2%	2%	2%	2%	2%	2%	2%	3%	3%	2%	7%	24%
1958	Wet	-13%	2%	2%	2%	4%	4%	2%	2%	2%	2%	2%	2%
1959	Below Norma	2%	2%	2%	2%	2%	4%	2%	2%	6%	-2%	2%	43%
1960	Dry	8%	42%	4%	-3%	0%	1%	0%	0%	-1%	4%	-2%	-5%
1961	Dry	0%	4%	4%	-7%	-44%	-26%	1%	7%	2%	2%	-26%	23%
1962	Below Norma	23%	28%	0%	-6%	55%	2%	3%	3%	3%	2%	26%	-18%
1963	Wet	8%	-12%	-9%	2%	2%	11%	3%	2%	2%	0%	2%	8%
1964	Dry	2%	2%	2%	6%	45%	0%	4%	2%	7%	16%	6%	-12%
1965	Wet	-1%	0%	-18%	4%	2%	18%	-9%	7%	-9%	9%	16%	37%
1966	Below Norma	-13%	-18%	-10%	13%	2%	2%	2%	2%	2%	2%	20%	-11%
1967	Wet	-6%	9%	-9%	2%	2%	2%	2%	2%	2%	2%	2%	2%
1968	Below Norma	2%	2%	2%	2%	2%	2%	2%	3%	2%	2%	8%	-1%
1969	Wet	8%	5%	-9%	-1%	4%	2%	2%	2%	2%	2%	2%	1%
1970	Wet	2%	2%	2%	4%	2%	2%	2%	3%	5%	-11%	23%	3%
1971	Wet	11%	2%	-1%	2%	21%	-7%	1%	2%	2%	2%	2%	1%
1972	Below Norma	2%	2%	2%	2%	2%	2%	3%	3%	-13%	7%	15%	15%
1973	Above Norma	-7%	17%	-8%	2%	2%	2%	2%	2%	10%	-10%	-10%	16%
1974	Wet	-9%	4%	4%	4%	2%	3%	2%	2%	2%	2%	2%	2%
1975	Wet	2%	2%	2%	2%	2%	3%	2%	2%	2%	2%	2%	2%
1976	Critical	2%	2%	2%	201%	193%	-6%	-6%	-11%	-20%	-3%	-11%	1%
1977	Critical	-12%	4%	2%	7%	99%	-6%	2%	-6%	-6%	-21%	-64%	17%
1978	Above Norma	0%	1%	4%	-	-54%	-6%	2%	2%	2%	2%	2%	0%
1979	Below Norma	2%	2%	2%	2%	46%	1%	4%	3%	2%	3%	1%	17%
1980	Above Norma	1%	-14%	1%	-6%	4%	2%	25%	2%	1%	2%	2%	29%
1981	Dry	19%	-9%	-2%	1%	1%	-27%	2%	2%	-3%	25%	5%	-37%
1982	Wet	11%	-2%	4%	2%	3%	2%	3%	2%	2%	2%	1%	2%
1983	Wet	2%	2%	2%	2%	4%	4%	2%	2%	2%	2%	2%	2%
1984	Wet	2%	2%	4%	2%	2%	2%	6%	2%	6%	2%	4%	50%
1985	Dry	-29%	-4%	2%	47%	1%	-3%	4%	2%	27%	0%	-2%	-9%
1986	Wet	-15%	1%	1%	1%	3%	4%	20%	9%	1%	8%	8%	2%
1987	Dry	12%	6%	-2%	-3%	-4%	1%	1%	1%	-2%	-3%	59%	-1%
1988	Critical	-32%	0%	1%	-5%	-1%	1%	3%	1%	1%	3%	1%	1%
1989	Dry	1%	1%	7%	0%	0%	0%	40%	-1%	-4%	-2%	-7%	0%
1990	Critical	3%	3%	-4%	-4%	9%	0%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	0%	0%	-1%	0%	0%	1%	1%	1%	1%	0%
1992	Critical	0%	0%	0%	0%	0%	-4%	2%	2%	1%	1%	-17%	29%
1993	Above Norma	7%	6%	0%	4%	5%	0%	-9%	-40%	2%	2%	1%	2%
1994	Critical	2%	2%	2%	45%	2%	1%	1%	10%	-9%	0%	54%	2%
1995	Wet	3%	-3%	-2%	-67%	2%	3%	2%	2%	2%	2%	2%	2%
1996	Wet	2%	9%	-6%	2%	3%	2%	10%	-1%	2%	2%	2%	1%
1997	Wet	2%	2%	4%	4%	2%	2%	19%	2%	2%	3%	10%	2%
1998	Wet	1%	-9%	1%	3%	4%	2%	17%	-1%	2%	2%	2%	2%
1999	Wet	2%	2%	2%	2%	3%	2%	2%	2%	2%	2%	2%	1%
2000	Above Norma	2%	2%	2%	2%	4%	2%	2%	2%	4%	2%	2%	17%
2001	Dry	-5%	4%	0%	4%	6%	2%	2%	8%	16%	7%	8%	-7%
2002	Dry	-4%	5%	14%	-44%	13%	3%	3%	2%	3%	2%	30%	-7%
2003	Above Norma	7%	33%	3%	-33%	-3%	34%	-9%	2%	2%	2%	-6%	30%
Average		2%	2%	0%	4%	7%	1%	4%	1%	1%	2%	3%	5%
Wet		1%	1%	-2%	0%	3%	3%	5%	2%	4%	4%	3%	5%
Above Norma		9%	1%	0%	-4%	-3%	1%	6%	-1%	2%	0%	9%	9%
Below Norma		2%	1%	0%	2%	8%	1%	3%	-1%	-2%	2%	6%	3%
Dry		2%	4%	2%	1%	3%	-1%	4%	2%	4%	3%	6%	-1%
Critical		-3%	1%	0%	31%	28%	-1%	0%	0%	-2%	-1%	-2%	13%

Energy generated (GWh) at Spring Creek: CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	106.77	39.15	3.37	4.84	5.67	1.15	0.00	9.77	19.02	43.78	58.54	57.86	350
1923	Below Normal	27.03	7.76	0.00	3.27	1.56	3.79	0.00	5.26	17.69	75.89	66.89	50.40	260
1924	Critical	11.66	3.29	3.88	39.32	32.87	2.99	0.55	0.00	5.44	42.86	43.01	38.79	225
1925	Dry	4.75	12.23	2.78	94.42	62.34	7.61	48.67	4.14	5.95	36.48	35.68	28.45	344
1926	Dry	12.71	4.81	1.35	1.35	20.94	6.28	16.97	4.77	2.82	35.50	56.39	27.93	192
1927	Wet	12.63	22.94	19.90	19.78	55.45	8.52	11.62	2.58	0.56	44.85	44.09	58.04	301
1928	Above Normal	26.49	5.81	0.00	7.17	10.73	12.33	0.00	0.00	15.86	43.87	58.60	73.05	254
1929	Critical	26.03	15.55	2.89	60.07	1.59	1.13	0.00	4.78	26.65	66.79	35.13	27.85	268
1930	Dry	12.11	4.30	23.63	3.30	10.68	4.09	4.05	4.99	3.44	66.81	35.16	27.94	201
1931	Critical	12.19	4.29	0.00	2.32	2.83	4.42	0.00	0.00	6.49	43.20	42.88	4.79	123
1932	Dry	28.65	9.67	0.00	43.77	3.02	0.00	5.91	4.49	7.48	43.88	47.50	2.91	197
1933	Critical	12.05	3.76	0.00	0.56	1.09	0.00	0.00	2.31	11.09	44.24	43.37	5.27	124
1934	Critical	4.32	3.69	0.26	8.78	8.72	5.01	5.53	2.63	5.95	43.34	42.89	52.59	184
1935	Below Normal	35.79	0.00	1.72	27.17	0.00	0.00	10.83	7.35	7.42	43.89	42.92	27.85	205
1936	Below Normal	5.02	1.90	0.00	13.70	17.50	6.23	0.00	0.90	7.62	28.69	27.80	27.82	137
1937	Below Normal	12.09	4.30	0.00	0.00	0.00	0.00	14.14	9.21	7.52	52.65	27.82	20.30	148
1938	Wet	13.12	16.61	16.37	14.49	20.34	28.63	41.72	10.11	0.00	0.00	44.03	71.64	277
1939	Dry	63.72	8.82	12.62	1.31	0.61	44.22	0.00	24.55	80.09	0.00	99.18	69.02	404
1940	Above Normal	104.49	50.21	3.75	39.87	94.27	40.84	25.02	0.42	18.45	59.52	59.10	42.92	539
1941	Wet	26.48	16.02	40.27	59.80	53.96	57.06	45.72	76.08	14.55	102.58	58.57	80.60	632
1942	Wet	61.13	9.89	21.24	32.48	48.62	1.62	20.24	7.70	0.00	52.99	47.70	75.30	379
1943	Wet	58.22	14.45	31.89	12.95	21.13	37.49	0.00	0.00	0.00	43.81	44.03	57.92	322
1944	Dry	23.45	0.89	0.00	0.00	7.82	1.12	0.00	4.22	33.28	99.24	74.69	42.81	288
1945	Below Normal	26.46	19.48	9.72	7.28	23.51	7.23	3.06	0.00	0.00	43.79	51.30	42.85	235
1946	Below Normal	12.57	8.28	34.43	15.39	5.51	1.13	0.00	0.00	15.64	43.83	59.11	57.96	254
1947	Dry	26.55	17.02	5.82	0.00	4.96	6.50	0.00	2.56	22.07	52.20	80.09	42.81	261
1948	Below Normal	13.64	4.34	0.00	12.53	4.73	4.72	15.64	8.77	2.00	0.00	44.56	0.00	111
1949	Dry	6.52	0.90	0.00	0.00	4.04	48.94	1.94	0.00	0.00	44.37	59.69	57.93	224
1950	Below Normal	26.52	15.01	2.89	8.26	12.44	4.28	0.41	4.73	18.61	58.89	51.20	42.86	246
1951	Above Normal	35.49	10.19	19.78	15.39	24.71	6.29	29.71	4.52	0.00	43.88	59.60	57.93	307
1952	Wet	26.98	20.43	25.16	20.28	27.93	32.40	3.50	6.01	1.73	15.02	0.00	75.44	255
1953	Wet	58.15	1.39	34.41	45.65	18.51	21.93	19.14	4.22	0.56	37.46	52.64	77.02	371
1954	Above Normal	62.02	46.95	25.44	28.08	31.06	83.27	8.96	1.95	38.95	44.28	83.65	59.00	514
1955	Dry	26.99	19.96	6.61	4.24	2.54	0.00	0.00	10.28	18.59	60.02	59.04	42.85	251
1956	Wet	25.96	17.00	55.41	55.41	39.19	32.29	27.43	2.50	0.00	41.10	13.37	74.64	384
1957	Above Normal	61.04	3.29	0.00	1.80	21.26	52.69	0.00	14.25	0.00	44.83	83.05	59.96	342
1958	Wet	11.47	31.88	59.88	78.06	116.35	60.32	34.62	81.52	0.00	85.77	0.00	76.46	636
1959	Below Normal	58.96	0.86	0.00	23.20	27.26	18.63	3.06	0.00	44.44	84.65	99.65	71.42	432
1960	Dry	35.37	29.93	2.88	11.12	20.96	16.43	0.00	1.52	20.38	59.95	51.86	43.43	294
1961	Dry	11.14	5.31	13.03	2.78	19.32	10.40	0.00	0.00	17.64	44.32	100.17	43.47	268
1962	Below Normal	26.51	6.29	5.71	1.32	31.07	15.91	5.07	0.00	18.17	43.91	51.88	42.97	249
1963	Wet	17.88	2.84	3.68	2.78	16.82	6.56	31.30	4.67	0.00	47.50	49.12	33.70	217
1964	Dry	2.44	9.81	19.75	31.99	43.83	0.00	6.57	5.41	30.75	99.11	74.25	42.45	366
1965	Wet	25.95	21.45	36.86	31.50	7.42	0.00	12.09	2.02	0.00	43.38	82.47	39.56	303
1966	Below Normal	3.36	26.45	4.67	29.11	18.89	52.13	54.68	0.00	0.00	43.43	100.15	72.55	405
1967	Wet	41.38	28.79	27.28	49.61	34.97	19.42	22.87	15.24	0.04	75.83	0.00	82.24	398
1968	Below Normal	66.86	6.08	11.96	23.40	23.97	27.58	0.00	3.40	45.31	70.13	81.89	73.52	434
1969	Wet	27.53	17.99	16.56	39.31	39.39	17.78	12.08	17.47	0.99	48.90	47.93	57.49	343
1970	Wet	62.09	2.76	67.03	126.05	23.70	33.67	0.00	0.00	38.82	3.44	102.52	76.09	536
1971	Wet	29.04	30.75	22.72	33.94	24.52	30.23	3.11	10.27	7.67	33.18	49.31	75.48	350
1972	Below Normal	61.45	11.27	11.46	35.05	12.39	108.63	0.00	0.86	0.00	48.93	86.04	63.61	440
1973	Above Normal	46.92	31.78	7.11	34.92	45.67	43.12	4.74	6.97	0.00	48.43	86.63	61.56	418
1974	Wet	8.45	90.52	41.75	126.05	27.33	58.58	48.11	12.17	5.64	65.85	18.53	77.90	581
1975	Wet	60.97	2.88	11.81	4.24	22.28	57.13	19.17	10.07	14.47	86.02	31.34	79.57	400
1976	Critical	68.97	21.68	18.08	82.55	4.85	0.00	0.00	3.62	45.32	102.61	71.10	46.45	465
1977	Critical	30.48	17.48	7.26	9.15	0.00	0.00	25.66	1.83	9.45	49.48	106.22	39.31	296
1978	Above Normal	107.48	0.00	0.99	99.07	38.26	42.84	14.64	5.52	0.00	43.72	44.93	2.76	400
1979	Below Normal	4.83	3.88	0.34	3.75	10.36	14.89	0.00	5.55	0.00	46.89	61.71	59.94	212
1980	Above Normal	30.00	7.30	2.70	17.34	47.91	39.42	25.74	0.86	39.78	46.92	62.76	62.08	383
1981	Dry	26.98	24.00	5.22	20.34	18.13	16.80	0.00	4.03	21.39	102.09	101.41	45.93	386
1982	Wet	30.57	23.98	33.94	35.92	28.13	65.94	21.18	7.56	1.57	1.41	0.00	63.31	313
1983	Wet	78.84	26.32	23.21	47.61	65.70	127.00	64.35	125.02	107.98	107.23	80.06	89.36	943
1984	Wet	67.55	85.29	56.39	68.64	13.19	23.26	0.00	0.00	35.63	44.78	59.55	57.34	512
1985	Dry	4.99	22.56	7.59	44.58	3.49	0.00	0.55	4.65	65.26	100.00	100.30	52.54	407
1986	Wet	34.60	7.02	5.23	14.97	70.05	29.52	53.64	0.00	17.96	62.53	59.10	45.56	400
1987	Dry	27.96	9.65	0.00	0.82	6.91	14.90	0.00	3.58	35.07	100.68	99.19	52.09	351
1988	Critical	27.23	11.69	18.89	16.44	1.06	0.22	4.16	10.38	40.90	73.94	76.70	29.82	311
1989	Dry	15.60	14.14	2.32	2.33	1.49	40.98	3.89	0.00	16.62	56.23	36.73	30.40	221
1990	Critical	18.19	5.77	0.00	9.65	1.98	0.00	0.00	9.67	9.53	37.50	44.39	28.29	165
1991	Critical	14.08	5.29	0.00	0.00	0.00	12.03	0.00	0.67	5.49	43.28	44.04	5.61	130
1992	Critical	4.30	1.84	0.00	4.88	41.92	30.62	1.39	3.92	6.97	44.85	43.84	59.90	244
1993	Above Normal	16.56	4.80	8.12	26.24	33.67	30.61	3.52	11.65	12.62	2.58	28.40	0.00	179
1994	Critical	6.35	2.87	1.81	36.49	9.38	0.00	0.00	18.75	65.51	77.81	78.86	62.90	361
1995	Wet	13.12	4.33	0.78	116.82	25.90	64.75	34.58	12.89	5.93	69.07	6.34	78.50	433
1996	Wet	57.75	13.97	45.01	42.78	35.21	66.06	9.63	4.88	0.00	45.60	44.87	0.00	366
1997	Wet	4.40	17.13	80.13	77.45	13.04	0.72	36.25	0.00	30.61	57.33	74.87	44.12	436
1998	Wet	28.95	14.22	11.77	43.36	113.86	46.63	56.50	28.04	90.94	86.91	62.01	78.01	661
1999	Wet	59.98	44.54	42.90	24.09	22.82	62.11	15.16	6.78	1.17	47.46	46.00	35.24	408
2000	Above Normal	54.73	16.43	3.88	66.57	65.99	32.68	69.46	11.80	4.96	45.32	92.07	65.17	529
2001	Dry	26.74	0.00	4.10	9.86	30.90	29.03	0.00	10.26	70.74	100.94	76.41	44.53	404
2002	Dry	28.43	22.37	31.34	33.26	14.75	5.10	0.00	0.36	18.47	60.33	75.75	43.08	333
2003	Above Normal	37.40	19.24	43.82	33.20	9.55	6.56	19.03	20.05	0.00	43.68	45.04	80.90	358
Average		32	15	15	29	24	24	13	9	17	53	57	50	339
Wet		36	23	32	47	38	38	25	17	14	52	43	64	429
Above Normal		57	20	10	31	36	33							

Shasta Lake Water Resource Investigation
Socioeconomic Appendix - Power and Energy Technical Report

Energy generated (GWh) at Spring Creek: CP1_2020

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	106.77	39.15	3.37	4.84	5.67	5.69	0.00	9.77	19.02	59.40	58.54	57.86	370
1923	Below Normal	27.03	15.08	3.37	7.77	1.56	3.79	0.00	5.26	17.69	51.65	66.89	42.87	243
1924	Critical	11.66	3.29	0.00	39.08	15.12	0.16	11.42	0.00	5.44	42.86	43.01	8.33	180
1925	Dry	9.26	12.11	2.78	94.42	62.34	7.61	45.68	4.14	21.06	28.67	35.68	28.45	352
1926	Dry	12.71	4.81	1.35	1.35	20.94	6.28	16.97	4.77	17.94	35.50	55.35	27.93	206
1927	Wet	12.63	22.94	19.90	22.79	55.45	8.52	11.62	2.58	0.56	44.85	59.70	73.11	335
1928	Above Normal	26.49	20.44	4.35	11.67	10.73	12.33	0.00	0.00	15.86	59.48	58.60	42.90	263
1929	Critical	26.03	15.55	2.89	15.16	1.59	5.66	0.00	5.62	26.65	66.79	35.13	27.85	229
1930	Dry	12.11	4.30	30.73	3.30	10.68	4.09	4.05	4.99	3.44	66.81	35.16	27.94	208
1931	Critical	12.19	4.29	0.00	2.32	2.83	2.60	0.00	0.00	6.49	43.20	42.88	4.79	122
1932	Dry	31.28	8.91	0.00	44.00	3.02	0.00	5.91	4.48	7.48	43.88	47.25	3.15	199
1933	Critical	11.91	3.73	0.12	0.56	1.09	0.00	0.00	2.31	11.09	44.24	43.37	5.27	124
1934	Critical	4.32	3.69	0.26	5.17	6.01	1.99	2.55	0.00	5.95	43.34	45.16	58.18	177
1935	Below Normal	37.14	0.00	1.72	22.71	0.00	0.00	10.83	7.35	7.42	43.89	42.92	27.85	202
1936	Below Normal	5.02	1.90	0.00	13.70	17.50	6.26	0.00	0.90	7.62	28.69	27.80	27.82	137
1937	Below Normal	12.09	4.30	0.00	0.00	0.00	0.00	11.16	9.21	7.52	52.65	27.82	27.84	153
1938	Wet	11.58	15.14	16.37	14.49	20.34	28.63	41.72	10.11	0.00	0.00	44.03	62.72	265
1939	Dry	63.72	8.82	12.62	1.31	0.61	8.29	0.00	28.56	55.87	99.55	99.18	50.40	429
1940	Above Normal	73.20	25.01	3.75	39.87	94.27	40.84	25.02	0.42	18.45	59.52	59.10	73.07	513
1941	Wet	26.48	16.02	40.27	59.80	53.96	57.06	45.72	76.08	14.55	102.58	58.57	80.60	632
1942	Wet	61.13	9.89	21.24	32.48	48.62	1.62	10.10	7.70	0.00	63.18	47.70	75.30	379
1943	Wet	58.22	14.45	31.89	12.95	21.13	37.49	0.00	0.00	0.00	43.81	44.03	42.85	307
1944	Dry	26.51	0.89	0.00	0.00	7.82	1.12	0.00	4.22	33.28	97.19	61.28	42.81	275
1945	Below Normal	26.46	19.48	9.72	7.28	27.57	7.23	3.06	0.00	17.04	43.79	51.30	42.85	256
1946	Below Normal	27.96	8.28	34.43	15.39	5.51	1.13	0.00	0.00	15.64	43.83	59.11	57.96	269
1947	Dry	26.55	17.02	5.82	2.89	2.39	11.04	0.00	2.56	22.07	52.20	67.46	42.81	253
1948	Below Normal	13.64	4.34	0.00	9.53	4.73	4.72	15.64	8.77	2.00	0.00	44.56	0.00	108
1949	Dry	26.99	0.90	0.00	0.00	4.04	41.39	1.94	0.00	17.97	44.37	59.69	42.85	240
1950	Below Normal	26.52	15.01	2.89	8.26	12.44	6.18	0.41	4.73	17.09	58.89	51.20	42.86	246
1951	Above Normal	35.49	10.19	19.78	15.39	24.71	4.55	0.00	4.52	0.00	43.88	59.60	57.93	276
1952	Wet	42.36	5.80	25.16	20.28	27.93	47.14	3.50	6.01	1.73	15.74	0.00	75.44	271
1953	Wet	58.15	1.39	34.41	45.65	18.51	21.93	3.33	4.22	0.56	53.34	52.64	77.02	371
1954	Above Normal	62.02	46.95	25.44	28.08	31.06	83.27	8.96	1.95	38.95	44.28	83.65	59.00	514
1955	Dry	26.99	5.33	6.61	4.24	2.54	0.00	0.00	10.28	18.59	60.02	59.04	42.85	237
1956	Wet	25.96	17.00	55.41	55.41	39.19	32.29	27.43	2.50	0.00	41.10	13.37	74.64	384
1957	Above Normal	61.04	3.29	0.00	1.80	21.26	52.69	0.00	14.25	0.00	44.83	83.05	44.89	327
1958	Wet	11.47	46.47	59.88	78.06	116.35	60.32	34.62	81.52	0.00	85.77	0.00	76.46	651
1959	Below Normal	58.96	0.86	0.00	23.20	27.26	18.63	3.06	0.00	44.44	84.65	99.65	43.90	405
1960	Dry	26.37	48.14	2.93	13.74	20.96	16.43	0.00	1.52	20.38	59.95	51.86	43.43	306
1961	Dry	11.14	5.31	13.03	10.21	19.32	10.40	0.00	0.00	17.64	44.32	59.57	43.47	234
1962	Below Normal	26.51	17.99	10.21	5.82	31.07	15.91	5.07	0.00	18.17	43.91	51.88	42.97	270
1963	Wet	10.46	2.84	3.68	2.78	16.82	6.56	31.30	4.67	0.00	47.50	49.12	27.37	203
1964	Dry	2.44	46.90	19.75	28.05	8.29	1.82	0.00	5.41	30.75	99.11	74.25	42.45	359
1965	Wet	25.95	21.45	36.86	31.50	7.42	0.00	12.09	2.02	37.56	43.38	59.05	0.00	277
1966	Below Normal	3.36	27.37	24.43	33.17	18.89	52.13	54.68	0.00	0.00	43.43	82.97	72.55	413
1967	Wet	41.38	28.79	43.70	49.61	34.97	19.54	22.87	15.24	0.04	75.83	0.00	82.24	414
1968	Below Normal	66.86	6.08	11.96	23.40	23.97	27.58	0.00	3.40	45.31	70.13	66.28	73.52	418
1969	Wet	27.53	17.99	16.56	39.31	39.39	17.78	12.08	32.92	0.99	48.90	47.93	57.49	359
1970	Wet	62.09	2.76	67.25	126.05	23.70	33.67	0.00	0.00	38.82	64.51	63.74	76.09	559
1971	Wet	29.04	30.75	22.72	33.94	14.25	52.73	3.11	10.27	7.67	33.18	49.31	75.48	362
1972	Below Normal	61.45	11.27	11.46	35.05	12.39	108.63	0.00	0.86	42.80	48.93	62.62	63.61	459
1973	Above Normal	36.49	17.15	7.11	34.92	45.67	43.12	4.74	6.97	0.00	48.43	86.63	46.48	378
1974	Wet	23.32	90.52	41.75	126.05	27.33	58.58	48.11	12.17	5.64	65.85	18.94	77.90	596
1975	Wet	60.97	2.88	11.81	4.24	22.28	57.13	19.17	10.07	14.47	86.02	32.15	79.57	401
1976	Critical	68.97	21.68	18.08	32.29	4.85	4.19	0.00	14.75	92.27	102.61	71.10	46.45	477
1977	Critical	58.49	11.46	24.56	0.00	7.01	0.00	0.00	1.83	9.45	105.70	126.74	33.13	378
1978	Above Normal	61.40	0.45	0.75	99.07	38.26	42.84	14.64	5.52	0.00	43.72	44.93	2.76	354
1979	Below Normal	4.83	3.88	0.34	3.75	10.36	14.89	0.00	2.42	0.00	46.89	61.71	44.86	194
1980	Above Normal	30.00	7.30	2.70	17.34	47.91	39.42	1.02	0.86	39.78	46.92	62.76	36.66	333
1981	Dry	3.90	38.63	9.72	20.34	18.13	16.80	0.00	4.03	44.06	61.49	102.25	76.08	395
1982	Wet	30.57	23.98	33.94	40.13	28.13	65.94	21.18	7.56	1.57	1.41	0.00	63.31	318
1983	Wet	78.84	26.32	23.21	47.61	65.70	127.00	64.35	125.02	107.98	107.23	80.06	89.36	943
1984	Wet	67.55	85.29	56.39	68.64	13.19	23.26	0.00	0.00	35.63	44.78	59.55	1.90	456
1985	Dry	4.99	26.00	34.05	3.76	3.49	41.71	0.55	3.77	32.01	100.00	100.30	67.01	418
1986	Wet	49.04	6.32	5.23	14.97	70.05	29.52	39.27	0.00	36.82	62.53	59.10	60.63	433
1987	Dry	27.96	16.97	4.35	5.33	10.98	14.90	0.00	3.58	31.58	100.68	0.00	83.13	299
1988	Critical	61.25	10.98	18.89	20.94	8.08	0.22	0.00	10.38	44.90	73.94	76.70	29.82	356
1989	Dry	15.60	14.14	2.32	2.33	1.49	40.98	3.89	0.00	16.62	56.23	36.73	30.40	221
1990	Critical	18.19	5.77	0.00	9.65	1.98	0.00	0.00	9.67	9.53	37.50	44.39	28.29	165
1991	Critical	14.08	5.29	0.00	0.00	0.89	12.03	0.00	0.67	5.49	43.28	44.04	5.61	131
1992	Critical	4.30	1.84	0.00	4.88	41.92	33.64	1.39	3.92	9.99	44.85	100.06	28.78	276
1993	Above Normal	8.86	4.80	8.12	23.24	30.96	30.61	4.44	11.65	12.62	2.58	31.45	0.00	169
1994	Critical	6.35	2.87	1.81	6.19	9.38	0.00	0.00	3.22	74.02	86.31	87.42	88.16	366
1995	Wet	13.12	4.33	0.78	116.82	25.90	64.75	18.45	12.89	5.93	69.07	6.34	78.50	417
1996	Wet	57.75	3.34	55.56	42.78	35.21	66.06	0.00	4.88	0.00	45.60	44.87	0.00	356
1997	Wet	4.40	26.41	80.13	77.45	13.04	0.72	2.85	0.00	30.61	57.33	59.26	44.12	396
1998	Wet	28.95	25.92	11.77	43.36	113.86	46.63	44.69	28.04	91.13	87.40	62.01	78.01	662
1999	Wet	59.98	44.54	42.90	24.09	22.82	62.11	15.16	6.78	1.17	47.46	46.00	35.24	408
2000	Above Normal	54.73	16.43	3.88	66.56	65.99	32.68	69.46	11.80	4.96	45.32	92.07	50.09	514
2001	Dry	26.74	0.00	4.10	9.86	30.90	29.03	0.00	10.26	34.11	100.94	87.91	44.53	378
2002	Dry	35.21	22.37	24.29	33.26	14.75	5.10	0.00	0.36	18.47	60.33	77.74	43.08	335
2003	Above Normal	47.76	52.03	43.82	33.20	9.55	6.56	19.03	20.05	0.00	43.68	45.04	43.21	364
Average		33	16	16	27	24	24	11	9	19	56	55	47	337
Wet		38	23	33	47	38	39	20	18	17	55	41	60	429
Above Normal		50	20	10	31	36								

Difference in Energy generated (GWh) at Spring Creek: CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norm	0	0	0	0	0	5	0	0	0	16	0	0	2
1923	Below Norm	0	7	3	5	0	0	0	0	0	-24	0	-8	-1
1924	Critical	0	0	-4	0	-18	-3	11	0	0	0	0	-30	-4
1925	Dry	5	0	0	0	0	0	-3	0	15	-8	0	0	1
1926	Dry	0	0	0	0	0	0	0	0	15	0	-1	0	1
1927	Wet	0	0	0	3	0	0	0	0	0	0	16	15	3
1928	Above Norm	0	15	4	5	0	0	0	0	0	16	0	-30	1
1929	Critical	0	0	0	-45	0	5	0	1	0	0	0	0	-3
1930	Dry	0	0	7	0	0	0	0	0	0	0	0	0	1
1931	Critical	0	0	0	0	0	-2	0	0	0	0	0	0	0
1932	Dry	3	-1	0	0	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	-4	-3	-3	-3	-3	0	0	2	6	-1
1935	Below Norm	1	0	0	-4	0	0	0	0	0	0	0	0	0
1936	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norm	0	0	0	0	0	0	-3	0	0	0	0	8	0
1938	Wet	-2	-1	0	0	0	0	0	0	0	0	0	-9	-1
1939	Dry	0	0	0	0	0	-36	0	4	-24	100	0	-19	2
1940	Above Norm	-31	-25	0	0	0	0	0	0	0	0	0	30	-2
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	-10	0	0	10	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	-15	-1
1944	Dry	3	0	0	0	0	0	0	0	0	-2	-13	0	-1
1945	Below Norm	0	0	0	0	4	0	0	0	17	0	0	0	2
1946	Below Norm	15	0	0	0	0	0	0	0	0	0	0	0	1
1947	Dry	0	0	0	3	-3	5	0	0	0	0	-13	0	-1
1948	Below Norm	0	0	0	-3	0	0	0	0	0	0	0	0	0
1949	Dry	20	0	0	0	0	-8	0	0	18	0	0	-15	1
1950	Below Norm	0	0	0	0	0	2	0	0	-2	0	0	0	0
1951	Above Norm	0	0	0	0	0	-2	-30	0	0	0	0	0	-3
1952	Wet	15	-15	0	0	0	15	0	0	0	1	0	0	1
1953	Wet	0	0	0	0	0	0	-16	0	0	16	0	0	0
1954	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	-15	0	0	0	0	0	0	0	0	0	0	-1
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1957	Above Norm	0	0	0	0	0	0	0	0	0	0	0	-15	-1
1958	Wet	0	15	0	0	0	0	0	0	0	0	0	0	1
1959	Below Norm	0	0	0	0	0	0	0	0	0	0	0	-28	-2
1960	Dry	-9	18	0	3	0	0	0	0	0	0	0	0	1
1961	Dry	0	0	0	7	0	0	0	0	0	0	-41	0	-3
1962	Below Norm	0	12	5	5	0	0	0	0	0	0	0	0	2
1963	Wet	-7	0	0	0	0	0	0	0	0	0	0	-6	-1
1964	Dry	0	37	0	-4	-36	2	-7	0	0	0	0	0	-1
1965	Wet	0	0	0	0	0	0	0	0	38	0	-23	-40	-2
1966	Below Norm	0	1	20	4	0	0	0	0	0	0	-17	0	1
1967	Wet	0	0	16	0	0	0	0	0	0	0	0	0	1
1968	Below Norm	0	0	0	0	0	0	0	0	0	0	-16	0	-1
1969	Wet	0	0	0	0	0	0	0	15	0	0	0	0	1
1970	Wet	0	0	0	0	0	0	0	0	0	61	-39	0	2
1971	Wet	0	0	0	0	-10	23	0	0	0	0	0	0	1
1972	Below Norm	0	0	0	0	0	0	0	0	43	0	-23	0	2
1973	Above Norm	-10	-15	0	0	0	0	0	0	0	0	0	-15	-3
1974	Wet	15	0	0	0	0	0	0	0	0	0	0	0	1
1975	Wet	0	0	0	0	0	0	0	0	0	0	1	0	0
1976	Critical	0	0	0	-50	0	4	0	11	47	0	0	0	1
1977	Critical	28	-6	17	-9	7	0	-26	0	0	56	21	-6	7
1978	Above Norm	-46	0	0	0	0	0	0	0	0	0	0	0	-4
1979	Below Norm	0	0	0	0	0	0	0	-3	0	0	0	-15	-2
1980	Above Norm	0	0	0	0	0	0	-25	0	0	0	0	-25	-4
1981	Dry	-23	15	5	0	0	0	0	0	23	-41	1	30	1
1982	Wet	0	0	0	4	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	-55	-5
1985	Dry	0	3	26	-41	0	42	0	-1	-33	0	0	14	1
1986	Wet	14	-1	0	0	0	0	-14	0	19	0	0	15	3
1987	Dry	0	7	4	5	4	0	0	0	-3	0	-99	31	-4
1988	Critical	34	-1	0	5	7	0	-4	0	4	0	0	0	4
1989	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	1	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	3	0	0	3	0	56	-31	3
1993	Above Norm	-8	0	0	-3	-3	0	1	0	0	0	3	0	-1
1994	Critical	0	0	0	-30	0	0	0	-16	9	9	9	25	0
1995	Wet	0	0	0	0	0	0	-16	0	0	0	0	0	-1
1996	Wet	0	-11	11	0	0	0	-10	0	0	0	0	0	-1
1997	Wet	0	9	0	0	0	0	-33	0	0	0	-16	0	-3
1998	Wet	0	12	0	0	0	0	-12	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norm	0	0	0	0	0	0	0	0	0	0	0	-15	-1
2001	Dry	0	0	0	0	0	0	0	0	-37	0	12	0	-2
2002	Dry	7	0	-7	0	0	0	0	0	0	0	2	0	0
2003	Above Norm	10	33	0	0	0	0	0	0	0	0	0	-38	0
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Average		0	1	1	-2	-1	1	-2	0	2	3	-2	-3	0
Wet		1	0	1	0	0	1	-4	1	2	3	-2	-4	0
Above Norm		-7	1	0	0	0	0	-4	0	0	3	0	-9	-1
Below Norm		1	1	2	0	0	0	0	0	4	-2	-4	-3	0
Dry		0	4	2	-2	-2	0	-1	0	-1	3	-8	2	0
Critical		5	-1	1	-11	0	0	-2	-1	5	5	7	-3	1

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy generated (GWh) at Spring Creek: CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norm	0%	0%	0%	0%	0%	394%	-	0%	0%	36%	0%	0%
1923	Below Norm	0%	94%	-	138%	0%	0%	-	0%	0%	-32%	0%	-15%
1924	Critical	0%	0%	-100%	-1%	-54%	-94%	1970%	0%	0%	0%	0%	-79%
1925	Dry	95%	-1%	0%	0%	0%	0%	-6%	0%	254%	-21%	0%	0%
1926	Dry	0%	0%	0%	0%	0%	0%	0%	0%	535%	0%	-2%	0%
1927	Wet	0%	0%	0%	15%	0%	0%	0%	0%	0%	0%	35%	26%
1928	Above Norm	0%	252%	-	63%	0%	0%	-	-	0%	36%	0%	-41%
1929	Critical	0%	0%	0%	-75%	0%	402%	-100%	18%	0%	0%	0%	0%
1930	Dry	0%	0%	30%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1931	Critical	0%	0%	-	0%	0%	-41%	-100%	-	0%	0%	0%	0%
1932	Dry	9%	-8%	-	1%	0%	-	0%	0%	0%	0%	-1%	8%
1933	Critical	-1%	-1%	-	0%	0%	-	-	0%	0%	0%	0%	0%
1934	Critical	0%	0%	0%	-41%	-31%	-60%	-54%	-100%	0%	0%	5%	11%
1935	Below Norm	4%	-	0%	-16%	-	-	0%	0%	0%	0%	0%	0%
1936	Below Norm	0%	0%	-	0%	0%	0%	-	0%	0%	0%	0%	0%
1937	Below Norm	0%	0%	-	-	-	-	-21%	0%	0%	0%	0%	37%
1938	Wet	-12%	-9%	0%	0%	0%	0%	0%	0%	-100%	-	0%	-12%
1939	Dry	0%	0%	0%	0%	0%	-81%	-100%	16%	-30%	-	0%	-27%
1940	Above Norm	-30%	-50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	70%
1941	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1942	Wet	0%	0%	0%	0%	0%	0%	-50%	0%	-100%	19%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	-	-	-	0%	0%	-26%
1944	Dry	13%	0%	-	-	0%	0%	-	0%	0%	-2%	-18%	0%
1945	Below Norm	0%	0%	0%	0%	17%	0%	0%	-	-	0%	0%	0%
1946	Below Norm	122%	0%	0%	0%	0%	0%	-	-	0%	0%	0%	0%
1947	Dry	0%	0%	0%	420716467%	-52%	70%	-5%	0%	0%	0%	-16%	0%
1948	Below Norm	0%	0%	-	-24%	0%	0%	0%	0%	0%	0%	0%	27%
1949	Dry	314%	0%	-	-	0%	-15%	0%	300%	229366676%	0%	0%	-26%
1950	Below Norm	0%	0%	0%	0%	0%	44%	0%	0%	-8%	0%	0%	0%
1951	Above Norm	0%	0%	0%	0%	0%	-28%	-100%	0%	-	0%	0%	0%
1952	Wet	57%	-72%	0%	0%	0%	45%	0%	0%	0%	5%	-100%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	-83%	0%	0%	42%	0%	0%
1954	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1955	Dry	0%	-73%	0%	0%	0%	-	-	0%	0%	0%	0%	0%
1956	Wet	0%	0%	0%	0%	0%	0%	0%	0%	-	0%	0%	0%
1957	Above Norm	0%	0%	-	0%	0%	0%	-100%	0%	-	0%	0%	-25%
1958	Wet	0%	46%	0%	0%	0%	0%	0%	0%	-100%	0%	0%	0%
1959	Below Norm	0%	0%	-	0%	0%	0%	0%	-100%	0%	0%	0%	-39%
1960	Dry	-25%	61%	2%	24%	0%	0%	-	0%	0%	0%	0%	0%
1961	Dry	0%	0%	0%	267%	0%	0%	-	-	0%	0%	-41%	0%
1962	Below Norm	0%	186%	79%	342%	0%	0%	0%	0%	0%	0%	0%	0%
1963	Wet	-42%	0%	0%	0%	0%	0%	0%	0%	-	0%	0%	-19%
1964	Dry	0%	378%	0%	-12%	-81%	-	-100%	0%	0%	0%	0%	0%
1965	Wet	0%	0%	0%	0%	0%	-100%	0%	0%	-	0%	-28%	-100%
1966	Below Norm	0%	3%	423%	14%	0%	0%	0%	-100%	-	0%	-17%	0%
1967	Wet	0%	0%	60%	0%	0%	1%	0%	0%	0%	0%	-	0%
1968	Below Norm	0%	0%	0%	0%	0%	0%	-	0%	0%	0%	-19%	0%
1969	Wet	0%	0%	0%	0%	0%	0%	0%	88%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	0%	-	-	0%	1775%	-38%	0%
1971	Wet	0%	0%	0%	0%	-42%	74%	0%	0%	0%	0%	0%	0%
1972	Below Norm	0%	0%	0%	0%	0%	0%	-	0%	290279100%	0%	-27%	0%
1973	Above Norm	-22%	-46%	0%	0%	0%	0%	0%	0%	-100%	0%	0%	-24%
1974	Wet	176%	0%	0%	0%	0%	0%	0%	0%	0%	0%	2%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	3%	0%
1976	Critical	0%	0%	0%	-61%	0%	-	-	308%	104%	0%	0%	0%
1977	Critical	92%	-34%	238%	-100%	-	-100%	-100%	0%	0%	114%	19%	-16%
1978	Above Norm	-43%	34142472%	-25%	0%	0%	0%	0%	0%	-	0%	0%	0%
1979	Below Norm	0%	0%	0%	0%	0%	0%	-	-56%	-	0%	0%	-25%
1980	Above Norm	0%	0%	0%	0%	0%	0%	-96%	0%	0%	0%	0%	-41%
1981	Dry	-86%	61%	86%	0%	0%	0%	-	0%	106%	-40%	1%	66%
1982	Wet	0%	0%	0%	12%	0%	0%	0%	0%	0%	0%	400%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	-	-	0%	0%	0%	-97%
1985	Dry	0%	15%	349%	-92%	0%	-	0%	-19%	-51%	0%	0%	28%
1986	Wet	42%	-10%	0%	0%	0%	0%	-27%	475%	105%	0%	0%	33%
1987	Dry	0%	76%	-	546%	59%	0%	-	0%	-10%	0%	-100%	60%
1988	Critical	125%	-6%	0%	27%	661%	0%	-100%	0%	10%	0%	0%	0%
1989	Dry	0%	0%	0%	0%	0%	0%	0%	-100%	0%	0%	0%	0%
1990	Critical	0%	0%	-	0%	0%	-	-	0%	0%	0%	0%	0%
1991	Critical	0%	0%	-	-	-	-	-	0%	0%	0%	0%	0%
1992	Critical	0%	0%	-	0%	0%	10%	0%	0%	43%	0%	128%	-52%
1993	Above Norm	-46%	0%	0%	-11%	-8%	0%	26%	0%	0%	0%	11%	-
1994	Critical	0%	0%	0%	-83%	0%	-	-	-83%	13%	11%	11%	40%
1995	Wet	0%	0%	0%	0%	0%	0%	-47%	0%	0%	0%	0%	0%
1996	Wet	0%	-76%	23%	0%	0%	0%	-100%	0%	-	0%	0%	-100%
1997	Wet	0%	54%	0%	0%	0%	0%	0%	-92%	-100%	0%	-21%	0%
1998	Wet	0%	82%	0%	0%	0%	0%	-21%	0%	0%	1%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-23%
2001	Dry	0%	-	0%	0%	0%	0%	-100%	0%	-52%	0%	15%	0%
2002	Dry	24%	0%	-22%	0%	0%	0%	-	0%	0%	0%	3%	0%
2003	Above Norm	28%	170%	0%	0%	0%	0%	0%	0%	-	0%	0%	-47%
Average		10%	426795%	17%	5393813%	6%	7%	8%	7%	7423520%	24%	3%	-5%
Wet		9%	1%	3%	1%	-2%	1%	-16%	18%	-7%	71%	10%	-11%
Above Norm		-9%	2845233%	-2%	4%	-1%	31%	-22%	0%	-8%	6%	1%	-11%
Below Norm		9%	20%	36%	32%	1%	3%	-2%	-18%	20734221%	-2%	-5%	-1%
Dry		19%	28%	25%	23373178%	-4%	-1%	-17%	11%	12742635%	-4%	-9%	6%
Critical		18%	-3%	12%	-28%	48%	10%	126%	12%	14%	10%	14%	-8%

Difference in Energy generated (GWh) at Syst. Tot.: CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	9	0	0	0	31	0	0	3
1923	Below Norma	0	15	7	9	0	0	0	-21	-20	-86	-18	-22	-11
1924	Critical	-6	-9	-8	-7	-60	-3	28	10	10	12	15	-17	-3
1925	Dry	19	1	3	9	0	-8	0	6	37	-6	5	-7	5
1926	Dry	3	2	2	1	-1	4	-5	12	41	7	8	12	7
1927	Wet	11	-2	-2	16	3	0	1	5	0	113	50	59	21
1928	Above Norma	-5	-9	7	-23	3	-146	38	3	22	32	-4	-92	-14
1929	Critical	0	6	6	-87	1	12	4	7	6	1	5	0	-3
1930	Dry	1	0	14	0	4	3	1	-3	0	-2	8	-6	2
1931	Critical	0	1	1	7	-2	-3	2	3	16	-1	-1	1	2
1932	Dry	4	-2	0	0	0	0	0	-1	2	2	1	0	1
1933	Critical	0	0	2	0	0	0	0	0	0	0	0	8	1
1934	Critical	1	1	-1	-2	-2	-3	-4	-2	-2	4	-9	-2	-2
1935	Below Norma	15	0	0	-9	0	0	-2	-1	-1	-1	-1	0	0
1936	Below Norma	0	0	0	-1	1	5	-5	-2	-3	-4	-5	4	-1
1937	Below Norma	0	0	1	1	-2	0	3	0	-3	-3	-2	14	1
1938	Wet	-1	-39	-88	0	1	0	0	-1	0	0	0	-29	-13
1939	Dry	0	0	0	1	2	-70	9	7	-20	200	16	-29	10
1940	Above Norma	-63	-50	1	17	5	0	1	7	6	8	6	64	0
1941	Wet	8	11	6	7	0	1	0	0	0	-1	5	0	3
1942	Wet	0	0	0	0	0	1	-19	-10	0	25	5	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	-30	-3
1944	Dry	6	0	2	2	2	2	5	6	21	13	-11	-3	4
1945	Below Norma	1	3	3	1	9	1	1	2	32	5	3	18	6
1946	Below Norma	23	-15	1	0	3	10	5	6	7	62	-14	-2	7
1947	Dry	26	11	1	6	-3	12	0	-1	-22	8	-24	-1	1
1948	Below Norma	14	2	2	-17	-4	0	3	-45	-50	-5	14	13	-6
1949	Dry	39	0	2	2	14	-8	0	2	45	5	0	-21	7
1950	Below Norma	2	3	2	12	4	5	1	-14	-1	9	13	-8	2
1951	Above Norma	36	-105	0	0	-2	-3	-57	-12	-8	10	0	-6	-12
1952	Wet	43	-20	-26	0	2	45	0	0	0	1	0	0	4
1953	Wet	0	0	0	0	1	2	-30	-16	0	34	13	0	0
1954	Above Norma	0	0	0	0	0	0	0	5	-2	5	8	3	1
1955	Dry	23	-27	0	1	15	-32	11	13	16	29	11	2	5
1956	Wet	0	1	5	11	0	0	0	1	0	0	-1	0	1
1957	Above Norma	0	0	1	2	2	0	3	3	0	18	11	-31	1
1958	Wet	-36	44	0	0	0	0	0	0	0	0	-1	0	1
1959	Below Norma	0	0	1	1	0	4	5	5	22	-7	5	-53	-2
1960	Dry	-15	109	5	6	1	1	1	9	0	14	-3	-8	10
1961	Dry	0	5	4	15	-55	-48	2	17	7	13	-218	25	-19
1962	Below Norma	21	70	13	4	54	1	5	5	15	18	57	-30	19
1963	Wet	-3	-20	-28	1	2	23	14	1	3	-7	1	-12	-2
1964	Dry	0	113	0	-8	-71	5	-9	8	36	29	10	-17	8
1965	Wet	0	3	-85	32	0	16	-13	12	95	29	-40	-75	-2
1966	Below Norma	-25	-44	44	29	0	0	0	0	3	1	-2	-15	-1
1967	Wet	-11	8	14	11	0	0	0	0	0	0	0	0	2
1968	Below Norma	0	0	0	1	3	0	3	6	10	3	-26	-1	0
1969	Wet	8	5	-13	-9	0	0	0	34	0	0	0	-2	2
1970	Wet	0	0	0	0	0	0	4	8	13	155	-76	2	9
1971	Wet	14	1	-4	0	0	15	0	2	0	0	0	-1	2
1972	Below Norma	0	0	0	0	0	0	2	2	70	21	-50	7	4
1973	Above Norma	-38	-27	1	0	5	0	0	1	0	31	-30	-33	-8
1974	Wet	28	0	0	0	0	0	0	0	0	-1	0	0	2
1975	Wet	0	0	0	1	1	0	1	1	0	0	1	0	0
1976	Critical	0	0	0	-101	238	6	-10	13	80	-8	-12	3	17
1977	Critical	62	-13	52	-20	124	-6	-66	-9	-21	87	-78	5	10
1978	Above Norma	-97	-3	0	-1	-100	-30	0	-3	-2	-2	-1	-3	-20
1979	Below Norma	-1	0	2	1	36	1	2	-4	2	8	-4	-25	1
1980	Above Norma	0	-22	0	-37	-18	0	-48	3	5	5	4	-48	-13
1981	Dry	-44	30	10	1	1	-46	0	3	49	-44	17	22	0
1982	Wet	9	-7	25	13	0	0	0	0	0	0	-1	0	3
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	5	3	7	5	4	-104	-7
1985	Dry	-55	-3	80	-82	2	128	7	6	-13	7	-1	30	9
1986	Wet	22	-1	1	-3	4	3	-28	21	64	14	24	45	14
1987	Dry	12	29	9	10	8	0	1	-1	-23	-9	-198	87	-6
1988	Critical	54	-1	1	9	19	2	-6	3	15	8	3	1	9
1989	Dry	1	0	23	-3	11	-27	37	1	-3	1	-12	7	3
1990	Critical	2	-2	-2	-2	3	0	0	1	1	0	1	0	0
1991	Critical	0	0	0	5	3	0	1	2	2	3	10	0	2
1992	Critical	0	0	0	0	0	6	1	3	6	1	112	-62	6
1993	Above Norma	-13	6	0	2	-5	0	-11	-133	-1	1	7	-1	-12
1994	Critical	0	0	1	-59	1	2	3	-30	4	12	161	55	12
1995	Wet	20	-2	-1	-157	0	0	-49	0	-1	-2	-3	0	-16
1996	Wet	0	-21	22	0	1	0	-19	-9	-3	1	0	-2	-3
1997	Wet	0	28	0	0	0	1	-62	4	7	8	-25	3	-3
1998	Wet	3	26	3	9	0	6	-24	-11	0	1	-1	0	1
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	-2	0
2000	Above Norma	0	0	0	0	0	0	0	-1	2	20	-2	-31	-1
2001	Dry	-15	8	0	4	5	1	6	25	-57	19	46	-6	3
2002	Dry	13	5	-10	-108	20	5	6	9	8	14	58	-19	0
2003	Above Norma	44	136	3	-129	-14	40	-21	3	-1	-2	-7	-80	-2
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Average		2	3	1	-7	3	-1	-3	0	7	12	-2	-6	1
Wet		4	1	-7	-3	1	4	-9	2	7	14	-2	-6	1
Above Norma		-11	-6	1	-14	-10	-11	-8	-10	2	13	-1	-22	-6
Below Norma		3	2	5	2	7	2	2	-4	6	1	-2	-7	2
Dry		1	16	8	-8	-2	-4	4	6	7	17	-16	4	3
Critical		10	-1	4	-21	27	1	-4	0	10	9	18	-1	4

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy generated (GWh) at Syst. Tot.: CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	0%	0%	4%	0%	0%	0%	5%	0%	0%
1923	Below Norma	0%	7%	3%	5%	0%	0%	0%	-4%	-4%	-12%	-3%	-6%
1924	Critical	-2%	-5%	-5%	-3%	-30%	-1%	10%	4%	3%	4%	4%	-9%
1925	Dry	19%	1%	2%	3%	0%	-3%	0%	2%	7%	-1%	1%	-2%
1926	Dry	1%	1%	1%	1%	-1%	2%	-2%	3%	9%	1%	2%	5%
1927	Wet	6%	-2%	-1%	8%	0%	0%	0%	1%	0%	16%	9%	15%
1928	Above Norma	-2%	-4%	3%	-11%	2%	-23%	14%	0%	4%	5%	-1%	-23%
1929	Critical	0%	3%	3%	-34%	0%	8%	1%	2%	1%	0%	1%	0%
1930	Dry	0%	0%	10%	0%	2%	2%	0%	-1%	0%	0%	2%	-2%
1931	Critical	0%	1%	1%	6%	-2%	-2%	0%	1%	5%	0%	0%	1%
1932	Dry	2%	-2%	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%
1933	Critical	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%	5%
1934	Critical	1%	1%	-1%	-2%	-2%	-2%	-1%	-1%	0%	0%	1%	-4%
1935	Below Norma	10%	0%	0%	-7%	0%	0%	-1%	0%	0%	0%	0%	0%
1936	Below Norma	0%	0%	0%	0%	0%	2%	-2%	-1%	-1%	-1%	-1%	1%
1937	Below Norma	0%	0%	1%	1%	-1%	0%	1%	0%	-1%	0%	0%	5%
1938	Wet	0%	-17%	-14%	0%	0%	0%	0%	0%	0%	0%	0%	-5%
1939	Dry	0%	0%	0%	1%	1%	-26%	2%	1%	-3%	37%	3%	-7%
1940	Above Norma	-15%	-18%	1%	11%	1%	0%	0%	1%	1%	1%	1%	18%
1941	Wet	3%	5%	2%	1%	0%	0%	0%	0%	0%	0%	1%	0%
1942	Wet	0%	0%	0%	0%	0%	1%	-6%	-2%	0%	4%	1%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-8%
1944	Dry	2%	0%	1%	1%	1%	1%	1%	1%	4%	2%	-2%	-1%
1945	Below Norma	0%	2%	2%	1%	3%	0%	0%	0%	6%	1%	0%	5%
1946	Below Norma	9%	-6%	0%	0%	1%	5%	1%	1%	1%	9%	-3%	0%
1947	Dry	9%	5%	1%	4%	-1%	5%	0%	0%	-4%	1%	-4%	0%
1948	Below Norma	8%	1%	1%	-13%	-2%	0%	1%	-11%	-10%	-1%	3%	4%
1949	Dry	16%	0%	1%	1%	5%	-5%	0%	0%	8%	1%	0%	-7%
1950	Below Norma	1%	1%	1%	6%	2%	2%	0%	-3%	0%	1%	3%	-2%
1951	Above Norma	15%	-26%	0%	0%	0%	-1%	-13%	-3%	-1%	0%	0%	-2%
1952	Wet	16%	-9%	-5%	0%	0%	8%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	1%	-9%	-3%	0%	5%	2%	0%
1954	Above Norma	0%	0%	0%	0%	0%	0%	0%	1%	0%	1%	1%	1%
1955	Dry	8%	-13%	0%	1%	8%	-16%	4%	3%	3%	5%	2%	1%
1956	Wet	0%	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norma	0%	0%	0%	1%	1%	0%	1%	1%	0%	2%	2%	-9%
1958	Wet	-11%	14%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	0%	0%	0%	1%	1%	1%	3%	-1%	1%	-17%
1960	Dry	-5%	43%	3%	4%	1%	0%	0%	3%	0%	2%	-1%	-2%
1961	Dry	0%	3%	3%	12%	-33%	-21%	1%	4%	1%	2%	-27%	9%
1962	Below Norma	9%	41%	8%	2%	27%	0%	2%	1%	3%	2%	11%	-8%
1963	Wet	-1%	-8%	-8%	1%	0%	6%	2%	0%	1%	-1%	0%	-4%
1964	Dry	0%	34%	0%	-3%	-27%	2%	-2%	2%	7%	4%	2%	-5%
1965	Wet	0%	2%	-13%	4%	0%	8%	-3%	2%	16%	4%	-7%	-21%
1966	Below Norma	-10%	-13%	22%	11%	0%	0%	0%	0%	0%	0%	0%	-4%
1967	Wet	-3%	5%	5%	2%	0%	0%	0%	0%	0%	0%	0%	0%
1968	Below Norma	0%	0%	0%	1%	0%	0%	1%	1%	1%	0%	-5%	0%
1969	Wet	3%	2%	-7%	-1%	0%	0%	0%	4%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	0%	1%	1%	2%	24%	-12%	0%
1971	Wet	5%	1%	-1%	0%	0%	2%	0%	0%	0%	0%	0%	0%
1972	Below Norma	0%	0%	0%	0%	0%	0%	1%	0%	12%	3%	-8%	2%
1973	Above Norma	-13%	-13%	0%	0%	1%	0%	0%	0%	0%	4%	-5%	-9%
1974	Wet	13%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	-31%	125%	3%	-4%	3%	14%	-1%	-3%	1%
1977	Critical	23%	-7%	26%	-13%	91%	-4%	-17%	-4%	-5%	18%	-16%	3%
1978	Above Norma	-28%	-3%	0%	-1%	-32%	-5%	0%	0%	0%	0%	0%	-1%
1979	Below Norma	0%	0%	1%	0%	22%	0%	1%	-1%	0%	1%	-1%	-7%
1980	Above Norma	0%	-10%	0%	-6%	-2%	0%	-15%	1%	1%	1%	-1%	-12%
1981	Dry	-15%	13%	5%	1%	1%	-19%	0%	1%	8%	-6%	3%	6%
1982	Wet	5%	-3%	3%	3%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	1%	1%	1%	1%	1%	-30%
1985	Dry	-22%	-1%	34%	-29%	1%	80%	2%	1%	-2%	1%	0%	8%
1986	Wet	8%	-1%	1%	-2%	1%	0%	-7%	4%	11%	2%	4%	14%
1987	Dry	5%	13%	5%	6%	7%	0%	0%	0%	-4%	-1%	-36%	25%
1988	Critical	21%	-1%	1%	7%	11%	1%	-2%	1%	3%	1%	1%	0%
1989	Dry	0%	0%	19%	-2%	10%	-10%	15%	0%	0%	0%	-3%	3%
1990	Critical	1%	-1%	-1%	-1%	2%	0%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	0%	5%	3%	0%	1%	1%	1%	3%	0%	0%
1992	Critical	0%	0%	0%	0%	0%	4%	1%	1%	1%	0%	26%	-22%
1993	Above Norma	-8%	5%	0%	1%	-3%	0%	-4%	-21%	0%	0%	2%	0%
1994	Critical	0%	0%	0%	-27%	1%	1%	1%	-8%	1%	2%	29%	16%
1995	Wet	10%	-2%	-1%	-31%	0%	0%	-10%	0%	0%	0%	0%	0%
1996	Wet	0%	-8%	6%	0%	0%	0%	-6%	-1%	0%	0%	0%	0%
1997	Wet	0%	9%	0%	0%	0%	1%	-13%	1%	1%	1%	-5%	1%
1998	Wet	1%	14%	2%	1%	0%	1%	-6%	-1%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	3%	0%	-9%
2001	Dry	-4%	2%	0%	3%	3%	1%	2%	5%	-8%	3%	9%	-2%
2002	Dry	4%	3%	-6%	-34%	6%	2%	2%	1%	2%	12%	12%	-5%
2003	Above Norma	14%	62%	2%	-26%	-6%	26%	-6%	0%	0%	0%	-1%	-20%
Average		1%	2%	1%	-2%	2%	1%	-1%	0%	1%	2%	0%	-1%
Wet		2%	0%	-1%	0%	0%	1%	-2%	0%	1%	2%	0%	-2%
Above Norma		-3%	-1%	1%	-3%	-3%	0%	-2%	-2%	0%	2%	0%	-6%
Below Norma		2%	2%	3%	0%	4%	1%	0%	-1%	1%	0%	0%	-2%
Dry		1%	6%	4%	-2%	-1%	0%	1%	1%	2%	3%	-2%	1%
Critical		4%	-1%	2%	-8%	17%	1%	-1%	0%	2%	2%	4%	-1%

Difference in Energy generated (GWh) at Tot. Loss: CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	1	0	0	0
1923	Below Norma	0	1	0	0	0	0	0	-1	-1	-4	-1	-1	0
1924	Critical	0	0	0	0	-2	0	1	0	1	1	1	-1	0
1925	Dry	1	0	0	0	0	0	0	0	2	0	0	0	0
1926	Dry	0	0	0	0	0	0	0	1	2	0	0	1	0
1927	Wet	0	0	0	1	0	0	0	0	0	6	2	3	1
1928	Above Norma	0	0	0	-1	0	-7	2	0	1	2	0	-4	-1
1929	Critical	0	0	0	-4	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	1	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	1	0	0	0	0
1932	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1935	Below Norma	1	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	0	0	0	0	0	0	0	0	0	0	1	0
1938	Wet	0	-2	-4	0	0	0	0	0	0	0	0	-1	-1
1939	Dry	0	0	0	0	0	-3	0	1	-1	9	1	-1	0
1940	Above Norma	-3	-2	0	1	0	0	0	0	0	0	0	3	0
1941	Wet	0	1	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	-1	0	0	1	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	-1	0
1944	Dry	0	0	0	0	0	0	0	0	1	1	0	0	0
1945	Below Norma	0	0	0	0	0	0	0	0	1	0	0	1	0
1946	Below Norma	1	-1	0	0	0	0	0	0	0	3	-1	0	0
1947	Dry	1	0	0	0	0	1	0	0	-1	0	-1	0	0
1948	Below Norma	1	0	0	-1	0	0	0	-2	-2	0	1	1	0
1949	Dry	2	0	0	0	1	0	0	0	2	0	0	-1	0
1950	Below Norma	0	0	0	1	0	0	0	0	0	0	1	0	0
1951	Above Norma	2	-5	0	0	0	0	-3	0	0	0	0	0	-1
1952	Wet	2	-1	-1	0	0	2	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	-1	-1	0	2	1	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	1	-1	0	0	1	-1	0	1	1	1	1	0	0
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	1	-1	0
1958	Wet	-2	2	0	0	0	0	0	2	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	1	0	0	-2	0
1960	Dry	-1	5	0	0	0	0	0	0	0	1	0	0	0
1961	Dry	0	0	0	1	-2	-2	0	1	0	1	-10	1	-1
1962	Below Norma	1	3	1	0	2	0	0	0	0	0	3	-1	1
1963	Wet	0	-1	-1	0	0	1	1	0	0	0	0	-1	0
1964	Dry	0	5	0	0	-3	0	0	0	1	2	1	-1	0
1965	Wet	0	0	-4	1	0	1	-1	0	4	1	-2	-3	0
1966	Below Norma	-1	-2	2	1	0	0	0	0	0	0	0	-1	0
1967	Wet	-1	0	1	0	0	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	-1	0	0
1969	Wet	0	0	-1	0	0	0	0	2	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	1	6	-3	0	0
1971	Wet	1	0	0	0	0	1	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	0	0	3	1	-2	0	0
1973	Above Norma	-2	-1	0	0	0	0	0	0	0	1	-1	-1	0
1974	Wet	1	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	-5	11	0	0	1	3	0	-1	0	1
1977	Critical	3	-1	2	-1	5	0	-3	0	-1	4	-4	0	0
1978	Above Norma	-4	0	0	0	-4	-1	0	0	0	0	0	0	-1
1979	Below Norma	0	0	0	0	2	0	0	0	0	0	0	-1	0
1980	Above Norma	0	-1	0	-2	-1	0	-2	0	0	0	0	-2	-1
1981	Dry	-2	1	0	0	0	-2	0	0	2	-2	1	1	0
1982	Wet	0	0	1	1	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	-5	0
1985	Dry	-2	0	4	-4	0	6	0	0	-1	0	0	1	0
1986	Wet	1	0	0	0	0	0	-1	1	3	1	1	2	1
1987	Dry	1	1	0	0	0	0	0	0	-1	-1	-9	4	0
1988	Critical	2	0	0	0	1	0	0	0	1	0	0	0	0
1989	Dry	0	0	1	0	1	-1	2	0	0	0	-1	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	5	-3	0
1993	Above Norma	-1	0	0	0	0	0	-1	-6	0	0	0	0	-1
1994	Critical	0	0	0	-3	0	0	0	-1	0	1	7	2	1
1995	Wet	1	0	0	-7	0	0	-2	0	0	0	0	0	-1
1996	Wet	0	-1	1	0	0	0	-1	0	0	0	0	0	0
1997	Wet	0	1	0	0	0	0	-3	0	0	0	-1	0	0
1998	Wet	0	1	0	0	0	0	-1	-1	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	0	0	-1	0
2001	Dry	-1	0	0	0	0	0	0	1	-2	1	2	0	0
2002	Dry	1	0	0	-5	1	0	0	0	0	1	3	-1	0
2003	Above Norma	2	6	0	-6	-1	2	-1	0	-1	0	0	-4	0
Average		0	0	0	0	0	0	0	0	0	1	0	0	0
Wet		0	0	0	0	0	0	0	0	0	1	0	0	0
Above Norma		-1	0	0	-1	0	0	0	0	0	0	0	-1	0
Below Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Dry		0	1	0	0	0	0	0	0	0	1	-1	0	0
Critical		0	0	0	-1	1	0	0	0	0	0	1	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy generated (GWh) at Tot. Loss: CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	0%	0%	4%	0%	0%	0%	5%	0%	0%
1923	Below Norma	0%	7%	3%	5%	0%	0%	0%	-4%	-4%	-13%	-4%	-7%
1924	Critical	-2%	-5%	-5%	-3%	-27%	-2%	11%	3%	4%	4%	4%	-7%
1925	Dry	21%	1%	2%	3%	0%	-3%	0%	1%	9%	-1%	2%	-3%
1926	Dry	1%	1%	1%	1%	-1%	2%	-3%	5%	10%	1%	2%	10%
1927	Wet	7%	-2%	-2%	8%	0%	0%	0%	0%	0%	19%	10%	16%
1928	Above Norma	-2%	-4%	4%	-12%	2%	-23%	17%	1%	5%	6%	-1%	-24%
1929	Critical	0%	3%	3%	-35%	1%	8%	1%	2%	2%	1%	1%	0%
1930	Dry	0%	0%	10%	0%	3%	2%	0%	-1%	0%	2%	-1%	-3%
1931	Critical	0%	1%	1%	6%	0%	-3%	0%	1%	4%	-1%	-1%	1%
1932	Dry	2%	-2%	0%	0%	0%	0%	0%	-1%	0%	0%	0%	0%
1933	Critical	0%	0%	2%	0%	0%	0%	0%	0%	0%	0%	0%	5%
1934	Critical	1%	1%	-1%	-2%	-2%	-3%	-2%	-2%	-1%	-1%	1%	-5%
1935	Below Norma	11%	0%	0%	-7%	0%	0%	-1%	0%	0%	0%	0%	0%
1936	Below Norma	0%	0%	0%	0%	0%	2%	0%	0%	0%	-1%	-1%	1%
1937	Below Norma	0%	0%	1%	1%	-1%	0%	2%	0%	0%	0%	0%	5%
1938	Wet	0%	-18%	-14%	0%	0%	0%	0%	0%	0%	0%	0%	-5%
1939	Dry	0%	0%	0%	1%	1%	-27%	2%	3%	-4%	42%	3%	-8%
1940	Above Norma	-16%	-19%	1%	11%	1%	0%	0%	2%	1%	1%	1%	19%
1941	Wet	3%	5%	2%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1942	Wet	0%	0%	0%	0%	0%	1%	-7%	-2%	0%	4%	1%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-8%
1944	Dry	2%	0%	1%	1%	1%	1%	1%	1%	6%	3%	-2%	-1%
1945	Below Norma	0%	2%	2%	1%	3%	0%	0%	7%	1%	1%	1%	5%
1946	Below Norma	10%	-7%	0%	0%	0%	5%	2%	1%	1%	12%	-3%	-1%
1947	Dry	9%	5%	1%	4%	-2%	6%	0%	0%	-6%	2%	-5%	0%
1948	Below Norma	9%	2%	1%	-13%	-2%	0%	2%	-14%	-12%	-1%	4%	4%
1949	Dry	17%	0%	1%	1%	5%	-5%	0%	0%	9%	1%	0%	-7%
1950	Below Norma	1%	1%	1%	6%	2%	2%	0%	0%	-1%	1%	3%	-3%
1951	Above Norma	15%	-27%	0%	0%	0%	-1%	-15%	0%	-1%	1%	0%	-2%
1952	Wet	17%	-10%	-5%	0%	0%	9%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	1%	-12%	-3%	0%	6%	2%	0%
1954	Above Norma	0%	0%	0%	0%	0%	0%	0%	1%	0%	1%	1%	1%
1955	Dry	9%	-14%	0%	1%	8%	-17%	4%	4%	5%	6%	3%	1%
1956	Wet	0%	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norma	0%	0%	0%	1%	1%	0%	1%	1%	0%	1%	2%	-10%
1958	Wet	-12%	15%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	0%	0%	0%	1%	1%	1%	3%	-1%	1%	-18%
1960	Dry	-6%	45%	3%	4%	1%	0%	0%	1%	0%	2%	-1%	-2%
1961	Dry	0%	3%	3%	12%	-34%	-23%	1%	4%	1%	2%	-29%	10%
1962	Below Norma	12%	43%	8%	2%	27%	0%	1%	2%	2%	1%	12%	-9%
1963	Wet	-1%	-8%	-9%	1%	0%	6%	2%	0%	0%	-1%	0%	-4%
1964	Dry	0%	34%	0%	-3%	-28%	3%	-2%	1%	5%	6%	3%	-5%
1965	Wet	0%	2%	-14%	4%	0%	8%	-4%	2%	19%	4%	-8%	-23%
1966	Below Norma	-11%	-13%	23%	11%	0%	0%	0%	0%	1%	0%	0%	-4%
1967	Wet	-3%	5%	5%	2%	0%	0%	0%	0%	0%	0%	0%	0%
1968	Below Norma	0%	0%	0%	1%	1%	0%	1%	2%	2%	1%	-5%	0%
1969	Wet	4%	3%	-7%	-1%	0%	0%	0%	5%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	0%	1%	1%	2%	24%	-12%	1%
1971	Wet	6%	1%	-1%	0%	0%	3%	0%	0%	0%	0%	0%	0%
1972	Below Norma	0%	0%	0%	0%	0%	0%	1%	1%	14%	3%	-8%	2%
1973	Above Norma	-13%	-13%	0%	0%	1%	0%	0%	0%	0%	5%	-5%	-10%
1974	Wet	14%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	-32%	136%	3%	-4%	3%	15%	-1%	-3%	1%
1977	Critical	24%	-7%	30%	-14%	98%	-5%	-18%	-4%	-5%	19%	-19%	3%
1978	Above Norma	-30%	-3%	0%	-1%	-33%	-5%	0%	-1%	0%	0%	0%	-1%
1979	Below Norma	0%	0%	1%	0%	22%	1%	1%	-1%	0%	1%	-1%	-8%
1980	Above Norma	0%	-10%	0%	-6%	-3%	0%	-18%	1%	1%	1%	1%	-13%
1981	Dry	-17%	14%	6%	1%	1%	-20%	0%	1%	9%	-6%	3%	6%
1982	Wet	5%	-3%	4%	3%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	2%	1%	1%	1%	1%	-33%
1985	Dry	-23%	-1%	36%	-30%	1%	89%	2%	1%	-3%	1%	0%	9%
1986	Wet	9%	-1%	1%	-2%	1%	0%	-8%	5%	12%	3%	4%	15%
1987	Dry	6%	15%	5%	6%	8%	0%	1%	0%	-4%	-2%	-39%	27%
1988	Critical	22%	-1%	1%	8%	12%	1%	-3%	1%	3%	2%	1%	0%
1989	Dry	0%	0%	21%	-2%	13%	-11%	18%	0%	-2%	-1%	-4%	3%
1990	Critical	1%	-1%	-1%	-1%	2%	0%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	0%	5%	5%	0%	0%	1%	0%	1%	0%	0%
1992	Critical	0%	0%	0%	0%	0%	5%	1%	1%	2%	0%	30%	-23%
1993	Above Norma	-9%	5%	0%	1%	-3%	0%	-5%	-24%	0%	0%	2%	0%
1994	Critical	0%	0%	0%	-28%	1%	1%	1%	-9%	-1%	2%	31%	17%
1995	Wet	12%	-2%	-1%	-31%	0%	0%	-11%	0%	0%	0%	0%	0%
1996	Wet	0%	-9%	7%	0%	0%	0%	-7%	-1%	0%	0%	0%	0%
1997	Wet	0%	9%	0%	0%	0%	1%	-16%	1%	1%	1%	-6%	1%
1998	Wet	1%	15%	2%	1%	0%	1%	-7%	-2%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	-10%
2001	Dry	-5%	2%	0%	3%	3%	1%	2%	5%	-9%	3%	11%	-2%
2002	Dry	4%	3%	-6%	-35%	6%	2%	2%	2%	2%	2%	13%	-6%
2003	Above Norma	15%	65%	2%	-27%	-6%	30%	-7%	0%	-3%	0%	-2%	-21%
Average		1%	2%	2%	-2%	3%	1%	-1%	0%	1%	2%	0%	-2%
Wet		2%	0%	-1%	0%	0%	1%	-3%	0%	1%	2%	0%	-2%
Above Norma		-3%	-1%	1%	-3%	-3%	0%	-2%	-2%	0%	2%	0%	-6%
Below Norma		2%	2%	3%	0%	4%	1%	-1%	1%	0%	0%	0%	-2%
Dry		1%	6%	5%	-2%	-1%	0%	2%	2%	2%	4%	-2%	2%
Critical		4%	-1%	3%	-8%	19%	0%	-1%	0%	2%	2%	4%	-1%

Energy generated (GWh) at Trinity Dam : CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	82.10	34.62	11.72	11.75	10.46	8.11	17.50	70.25	33.24	44.49	54.36	50.60	429
1923	Below Normal	23.13	10.76	8.65	7.82	7.11	9.53	16.28	67.48	31.33	61.90	53.37	39.90	337
1924	Critical	11.25	6.94	7.11	33.77	22.14	8.34	16.44	28.44	16.01	29.58	27.08	18.69	226
1925	Dry	4.35	2.94	3.49	35.06	1.48	4.92	6.25	85.25	48.70	41.90	28.95	22.77	286
1926	Dry	9.82	5.98	6.02	6.19	4.72	7.56	9.39	60.16	18.45	30.78	40.79	22.64	222
1927	Wet	9.61	4.51	4.72	4.04	2.35	5.92	6.52	98.74	54.79	58.93	43.24	51.00	344
1928	Above Normal	23.41	5.27	8.14	7.66	6.73	4.20	15.05	97.53	64.37	58.73	53.37	59.45	404
1929	Critical	22.51	15.15	10.64	45.84	6.51	7.07	17.60	33.30	33.37	50.79	30.34	23.95	297
1930	Dry	10.28	6.28	11.70	6.57	5.40	6.13	16.28	60.65	18.59	49.27	29.26	23.02	243
1931	Critical	9.86	6.03	6.72	6.05	5.44	6.94	14.16	26.11	15.84	29.95	27.59	8.95	164
1932	Dry	13.07	5.84	3.97	14.46	3.09	2.86	10.61	46.01	13.96	27.08	14.60	8.28	164
1933	Critical	7.99	5.09	3.32	3.31	2.99	6.22	7.38	40.50	13.53	28.87	26.90	8.72	155
1934	Critical	4.66	3.55	3.59	3.42	3.10	3.37	14.77	25.76	16.00	30.11	27.78	26.73	163
1935	Below Normal	7.64	6.00	3.41	6.94	3.01	3.75	6.31	49.06	16.39	32.06	30.14	20.25	185
1936	Below Normal	5.13	3.93	3.99	3.37	4.62	3.90	12.98	74.66	39.94	35.86	23.67	21.85	234
1937	Below Normal	9.33	5.68	5.78	5.72	3.76	3.57	8.10	51.40	17.31	41.11	26.21	20.34	198
1938	Wet	10.51	3.30	2.87	6.58	3.39	2.71	4.73	102.33	99.53	28.16	47.54	66.79	378
1939	Dry	53.22	11.88	17.96	8.78	7.92	39.93	19.77	56.71	78.60	10.68	78.72	53.73	438
1940	Above Normal	67.27	33.18	5.85	5.03	1.58	2.40	12.15	99.50	71.67	68.55	51.92	38.47	458
1941	Wet	22.14	14.84	3.90	2.98	2.07	73.40	58.50	103.18	100.40	103.17	58.23	72.68	615
1942	Wet	51.27	12.54	97.78	58.24	47.31	7.98	15.32	102.64	58.16	70.53	50.10	69.21	641
1943	Wet	49.63	15.54	29.80	24.74	13.23	32.65	16.27	101.11	53.04	61.25	44.75	52.80	495
1944	Dry	22.12	6.03	9.26	8.52	7.54	7.94	21.76	37.93	43.78	81.38	61.12	37.32	345
1945	Below Normal	21.47	14.21	9.61	9.99	5.45	9.33	16.65	88.51	46.93	53.99	43.85	36.04	356
1946	Below Normal	11.33	4.70	3.60	4.50	6.76	6.91	11.95	99.11	71.57	57.84	52.87	49.20	380
1947	Dry	22.53	15.08	10.58	8.84	6.57	6.95	17.83	66.67	30.39	45.12	60.63	34.82	326
1948	Below Normal	10.75	6.72	7.74	5.39	9.63	10.24	12.29	84.88	41.02	23.98	40.45	10.27	263
1949	Dry	9.10	5.63	8.26	8.67	6.80	9.03	9.40	93.57	49.51	58.21	52.94	49.21	360
1950	Below Normal	22.53	15.20	10.69	10.34	9.14	8.55	14.21	66.83	31.31	51.74	44.72	36.82	322
1951	Above Normal	20.26	4.24	2.94	5.24	4.93	9.06	39.61	101.65	60.80	60.72	55.47	51.81	417
1952	Wet	23.70	15.71	4.31	5.62	3.56	18.21	63.83	103.15	61.84	98.22	51.66	69.39	519
1953	Wet	49.56	6.42	19.30	98.12	13.58	16.09	26.01	102.24	57.04	56.66	53.45	70.17	569
1954	Above Normal	51.96	35.87	25.70	18.41	46.21	57.32	59.96	102.56	91.04	61.43	73.30	52.22	676
1955	Dry	24.08	15.95	5.80	8.33	7.46	11.41	15.05	69.38	32.46	53.75	51.82	38.43	334
1956	Wet	22.21	14.79	1.99	21.64	18.27	24.12	32.11	103.11	99.86	63.62	23.34	69.12	494
1957	Above Normal	51.24	8.12	10.03	8.80	7.20	34.52	13.98	99.45	49.89	62.56	74.55	53.13	473
1958	Wet	6.55	23.14	42.39	44.48	89.82	69.34	35.57	103.18	100.34	96.47	55.14	70.11	737
1959	Below Normal	50.21	6.38	10.10	50.20	6.46	17.60	18.56	100.78	88.63	89.46	81.16	56.61	576
1960	Dry	27.77	24.22	10.25	12.42	5.60	8.99	14.22	87.36	57.14	63.43	42.92	35.20	390
1961	Dry	11.19	6.73	6.23	5.13	2.79	4.60	13.73	89.50	58.83	55.60	76.38	36.31	367
1962	Below Normal	20.96	6.75	6.34	6.83	2.81	5.62	12.99	86.14	58.05	52.51	42.44	34.95	336
1963	Wet	9.57	4.46	3.13	7.29	0.96	7.29	4.94	101.11	59.01	61.09	44.74	31.63	335
1964	Dry	7.86	5.53	21.73	19.20	34.68	8.56	19.48	70.71	42.93	80.97	60.30	36.71	409
1965	Wet	21.03	14.13	0.00	31.99	6.89	8.12	6.18	102.29	60.85	61.62	73.63	39.68	426
1966	Below Normal	8.22	4.72	5.60	13.85	4.89	32.34	50.76	99.43	55.28	62.62	87.65	63.79	489
1967	Wet	35.06	14.61	8.34	28.86	17.85	27.55	8.12	102.45	57.04	89.15	53.63	71.33	514
1968	Below Normal	54.15	8.09	14.29	19.59	68.36	23.68	16.80	98.81	81.50	69.96	63.88	58.70	578
1969	Wet	22.13	14.60	9.48	3.30	3.23	3.81	3.49	102.65	100.04	64.12	47.02	51.69	426
1970	Wet	51.30	6.65	82.68	98.12	24.90	22.89	16.19	100.99	86.81	25.90	82.30	60.21	659
1971	Wet	22.90	13.53	4.03	2.16	13.85	40.57	6.95	102.75	59.14	48.19	48.74	67.59	430
1972	Below Normal	49.45	11.48	14.68	27.43	8.68	89.83	12.82	99.02	49.92	61.36	73.03	52.29	550
1973	Above Normal	34.50	15.34	4.36	3.64	4.26	14.39	9.55	102.92	59.52	62.94	76.42	54.58	442
1974	Wet	7.81	94.63	91.95	98.12	7.64	79.85	20.80	103.10	100.13	75.46	52.09	68.30	800
1975	Wet	47.69	6.20	13.65	8.46	4.42	49.43	13.67	102.58	64.45	94.41	51.17	69.90	526
1976	Critical	53.96	17.44	20.55	69.04	7.30	7.66	13.43	69.05	51.03	80.76	54.97	36.90	482
1977	Critical	21.31	13.99	12.47	12.66	6.63	9.38	33.04	26.53	16.19	30.98	53.10	16.37	253
1978	Above Normal	32.92	2.41	1.68	0.00	2.31	1.31	4.94	93.57	91.27	53.72	39.76	8.07	332
1979	Below Normal	7.19	5.45	5.87	7.47	5.94	5.77	11.99	63.13	19.13	43.08	52.97	49.10	277
1980	Above Normal	22.08	4.67	4.93	2.41	23.70	20.82	28.57	101.56	88.24	59.81	54.98	51.22	463
1981	Dry	23.66	6.05	7.66	7.96	7.01	5.99	16.24	71.05	34.41	84.11	78.53	37.69	380
1982	Wet	21.78	5.39	3.24	17.87	64.36	36.04	21.32	102.74	98.91	28.50	12.00	57.32	469
1983	Wet	62.52	20.07	57.56	66.46	65.08	100.25	21.45	103.18	100.40	103.17	72.27	77.19	850
1984	Wet	54.12	52.92	97.78	44.85	7.98	21.52	18.29	101.76	90.88	60.25	54.18	50.44	655
1985	Dry	8.02	6.34	6.70	39.31	7.91	10.34	20.90	74.27	68.55	80.87	75.60	39.86	439
1986	Wet	23.66	7.36	7.17	7.02	0.92	2.51	56.45	100.12	73.42	69.44	51.77	39.03	439
1987	Dry	22.65	10.60	8.03	7.89	6.88	7.50	20.31	70.47	45.00	78.62	73.98	39.33	391
1988	Critical	18.88	10.33	7.13	7.38	5.43	10.94	20.68	64.72	42.20	57.26	53.55	23.97	322
1989	Dry	9.90	6.40	6.70	6.70	6.17	6.18	14.65	85.74	55.33	54.00	30.45	23.38	306
1990	Critical	10.53	6.56	6.82	6.84	6.30	7.63	17.66	53.57	18.25	30.51	33.29	22.67	221
1991	Critical	9.71	5.92	6.59	4.54	4.16	6.16	13.42	26.03	16.34	30.69	28.58	8.05	160
1992	Critical	3.51	3.89	4.09	4.00	3.70	4.67	9.01	54.43	14.29	33.39	31.89	36.26	203
1993	Above Normal	7.67	3.74	4.33	5.80	4.99	6.60	4.00	93.57	53.89	24.52	28.72	9.69	248
1994	Critical	8.05	6.24	6.51	30.30	7.77	9.00	21.01	47.36	64.33	60.88	57.78	45.16	364
1995	Wet	10.78	6.61	6.81	2.65	4.90	0.00	21.31	103.11	100.11	80.20	49.20	64.86	451
1996	Wet	46.24	14.54	34.17	31.43	92.69	42.95	22.26	102.17	60.81	62.22	45.28	10.06	565
1997	Wet	8.33	15.77	97.78	98.12	2.77	9.50	47.30	99.94	80.53	67.02	60.44	36.80	624
1998	Wet	20.92	6.86	10.34	4.40	0.00	93.93	30.85	103.09	100.40	103.17	56.17	68.28	598
1999	Wet	49.01	29.60	32.07	19.56	12.30	33.70	13.25	102.71	62.17	64.51	47.17	38.21	504
2000	Above Normal	46.87	15.50	12.76	45.55	63.55	39.82	51.15	102.60	60.73	61.40	76.01	54.14	630
2001	Dry	25.00	6.63	12.12	12.08	10.94	9.02	13.70	74.49	72.25	82.44	61.38	37.46	418
2002	Dry	21.58	14.74	10.30	5.28	7.69	8.79	17.78	93.77	62.81	66.89	61.31	37.38	408
2003	Above Normal	28.20	15.75	5.73	2.42	6.22	5.93	7.84	101.73	58.84	63.03	47.26	72.81	416
Average		25	12	15	19	13	19	19	82	56	58	51	43	412
Wet		29	17	30	32	20	32	23	102	78	69	51</		

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Energy generated (GWh) at Trinity Dam : CP1_2020

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	82.10	34.62	11.72	11.75	10.46	11.42	17.46	70.10	33.18	55.64	53.82	50.04	442
1923	Below Normal	22.85	15.50	10.76	10.69	6.95	9.33	15.96	66.21	30.73	45.08	52.97	35.16	322
1924	Critical	11.22	6.92	7.09	31.77	12.08	6.86	22.80	28.74	16.19	29.96	27.51	8.92	210
1925	Dry	4.67	3.14	3.70	38.80	1.55	5.09	6.42	86.88	58.73	38.03	29.59	23.33	300
1926	Dry	10.07	6.14	6.18	6.35	4.83	7.71	9.55	61.14	27.82	30.98	40.53	22.86	234
1927	Wet	9.71	4.56	4.76	5.97	2.35	5.94	6.54	98.88	54.93	59.08	54.33	60.86	368
1928	Above Normal	23.08	15.12	10.94	10.59	6.56	4.10	14.74	95.56	63.00	68.17	51.56	38.14	402
1929	Critical	22.02	14.80	10.40	16.88	6.57	10.03	17.70	34.01	33.54	51.07	30.53	24.12	272
1930	Dry	10.35	6.33	15.72	6.57	5.40	6.13	16.28	60.65	18.59	49.27	29.26	23.02	248
1931	Critical	9.86	6.03	6.72	6.05	5.44	5.98	14.19	26.16	15.88	30.01	27.67	8.98	163
1932	Dry	14.16	5.51	3.97	14.54	3.09	2.86	10.50	46.11	13.96	27.07	14.49	8.29	165
1933	Critical	8.03	5.08	3.78	3.30	2.98	6.20	7.36	40.42	13.51	28.82	26.84	8.70	155
1934	Critical	4.65	3.54	3.58	3.42	3.10	3.36	14.75	25.98	15.97	30.04	28.69	24.99	162
1935	Below Normal	11.13	5.88	3.35	4.96	2.99	3.72	6.27	48.82	16.31	31.90	29.96	20.11	185
1936	Below Normal	5.09	3.90	3.96	3.35	4.59	5.54	11.14	74.37	39.77	35.70	23.55	21.73	233
1937	Below Normal	9.27	5.64	5.74	5.68	3.74	3.54	6.48	51.33	17.29	41.07	26.18	24.47	200
1938	Wet	10.42	3.27	2.85	6.54	3.37	2.70	4.71	102.17	99.38	28.07	47.38	59.85	371
1939	Dry	53.22	11.88	17.96	8.78	7.92	12.80	20.09	60.59	62.52	81.87	76.68	40.94	455
1940	Above Normal	48.23	19.34	6.03	5.17	1.61	2.44	12.32	100.22	72.68	69.60	52.81	58.84	449
1941	Wet	22.16	14.85	3.90	2.98	2.08	74.35	58.50	103.18	100.40	103.17	58.23	72.68	616
1942	Wet	51.27	12.54	97.78	58.24	47.31	7.98	7.33	102.81	58.37	78.85	50.10	69.21	642
1943	Wet	49.63	15.54	29.80	24.74	13.23	32.65	16.27	101.11	53.04	61.25	44.75	42.16	484
1944	Dry	24.45	6.07	9.32	8.57	7.59	7.98	21.88	38.14	44.02	80.46	52.83	37.98	339
1945	Below Normal	21.88	14.49	9.79	10.17	8.32	9.45	16.85	89.55	59.10	54.16	44.00	36.19	374
1946	Below Normal	20.64	4.67	3.58	4.47	6.72	6.88	11.90	98.86	71.25	57.56	52.59	48.91	388
1947	Dry	22.39	14.98	10.52	10.68	4.80	9.98	17.68	66.12	30.13	44.72	52.41	34.77	319
1948	Below Normal	10.73	6.71	7.73	3.49	9.64	10.24	12.30	84.93	41.04	24.00	40.48	10.28	262
1949	Dry	22.47	5.56	8.15	8.57	6.71	3.72	9.34	93.09	62.17	57.38	52.11	38.64	368
1950	Below Normal	22.33	15.06	10.59	10.24	9.05	9.75	14.08	66.27	31.04	51.27	44.28	36.41	320
1951	Above Normal	20.03	4.20	2.91	5.20	3.03	7.65	16.24	102.00	61.25	61.19	55.94	52.29	392
1952	Wet	34.56	5.49	4.35	5.66	5.47	29.85	63.83	103.15	61.84	98.22	51.66	69.39	533
1953	Wet	49.56	6.42	19.30	98.12	13.58	16.09	13.54	102.52	57.36	69.53	53.45	70.17	570
1954	Above Normal	51.96	35.87	25.70	18.41	46.21	57.32	59.96	102.56	91.04	61.43	73.30	52.22	676
1955	Dry	24.08	5.59	5.84	8.39	7.51	11.50	15.16	69.87	32.70	54.15	52.24	38.78	326
1956	Wet	22.42	14.94	2.00	32.30	18.27	24.12	32.11	103.11	99.86	63.62	23.34	69.12	505
1957	Above Normal	51.24	8.12	10.03	8.80	7.20	34.52	13.98	99.45	49.89	62.56	74.55	42.41	463
1958	Wet	6.60	34.20	42.39	44.48	89.82	69.34	35.57	103.18	100.34	96.47	55.14	70.11	748
1959	Below Normal	50.21	6.38	10.10	50.20	6.46	17.60	18.56	100.78	88.63	89.46	81.16	38.84	558
1960	Dry	22.48	36.46	10.42	14.22	5.66	9.07	14.34	88.06	57.61	63.99	43.35	35.60	401
1961	Dry	11.33	6.81	6.30	9.87	2.80	4.62	13.78	89.81	59.04	55.81	50.66	37.50	348
1962	Below Normal	21.70	14.33	9.36	9.84	2.86	5.71	13.18	87.33	58.89	53.32	43.18	35.63	355
1963	Wet	5.23	4.57	3.20	7.43	0.98	7.40	5.01	101.74	59.75	61.89	45.38	27.53	330
1964	Dry	8.01	33.36	21.73	16.22	7.64	10.12	14.83	72.15	43.84	82.86	61.90	37.80	410
1965	Wet	21.71	14.59	1.30	63.83	6.89	8.12	6.18	102.29	89.53	60.69	55.65	11.32	442
1966	Below Normal	8.33	5.47	20.62	16.96	4.89	32.34	50.76	99.43	55.28	62.62	74.98	64.30	496
1967	Wet	35.37	14.74	20.68	28.86	17.85	27.55	8.12	102.45	57.04	89.15	53.63	71.33	527
1968	Below Normal	54.15	8.09	14.29	19.59	68.36	23.68	16.80	98.81	81.50	69.96	53.23	59.23	568
1969	Wet	22.36	14.75	9.58	3.33	3.25	3.84	3.51	102.78	100.04	64.12	47.02	51.69	426
1970	Wet	51.30	6.65	82.68	98.12	24.90	22.89	16.19	100.99	86.81	70.00	53.50	59.46	673
1971	Wet	22.59	13.35	3.98	2.13	5.86	31.94	6.95	102.75	59.14	48.19	48.74	67.59	413
1972	Below Normal	49.45	11.48	14.68	27.43	8.68	89.83	12.82	99.02	82.55	60.28	55.02	51.79	563
1973	Above Normal	27.04	5.08	4.38	3.66	9.20	14.39	9.55	102.92	59.52	62.94	76.42	43.59	419
1974	Wet	18.84	94.63	91.95	98.12	7.64	79.85	20.80	103.10	100.13	75.46	52.09	68.30	811
1975	Wet	47.69	6.20	13.65	8.46	4.42	49.43	13.67	102.58	64.45	94.41	51.17	69.90	526
1976	Critical	53.96	17.44	20.55	32.05	7.49	11.00	13.73	78.64	85.33	80.32	54.63	36.64	492
1977	Critical	37.88	9.99	22.27	6.85	10.41	8.98	17.86	25.95	15.82	56.02	45.07	14.46	272
1978	Above Normal	17.95	2.04	1.49	0.00	2.21	1.26	4.81	91.33	89.74	52.37	38.69	7.85	310
1979	Below Normal	6.99	5.29	5.71	7.26	5.78	5.63	11.72	59.65	18.77	42.24	51.85	38.32	259
1980	Above Normal	21.74	4.60	4.86	2.38	5.83	20.82	9.14	102.03	89.12	60.44	55.61	34.18	411
1981	Dry	8.12	16.74	11.14	8.19	7.19	6.13	16.60	72.62	52.17	56.25	82.14	58.99	396
1982	Wet	22.37	5.53	27.99	21.10	64.36	36.04	21.32	102.74	98.91	28.50	12.00	57.32	498
1983	Wet	62.52	20.07	57.56	66.46	65.08	100.25	21.45	103.18	100.40	103.17	72.27	77.19	850
1984	Wet	54.12	52.92	97.78	44.85	7.98	21.52	18.29	101.76	90.88	60.25	54.18	11.56	616
1985	Dry	8.25	9.06	26.88	9.13	8.16	42.27	21.12	74.39	45.32	83.27	78.25	50.41	456
1986	Wet	33.12	7.11	7.34	7.18	0.94	5.22	45.91	100.95	88.53	70.11	52.33	49.40	468
1987	Dry	22.72	15.43	10.88	10.81	9.54	7.43	20.15	69.93	42.23	78.08	9.89	60.94	358
1988	Critical	39.74	10.14	7.28	10.36	10.06	11.02	18.09	65.36	45.18	57.74	54.08	24.24	353
1989	Dry	10.02	6.48	6.78	6.78	6.24	6.23	14.75	86.34	55.75	54.47	30.76	23.64	308
1990	Critical	10.65	6.63	6.90	6.92	6.36	7.70	17.83	54.07	18.42	30.80	33.65	22.95	223
1991	Critical	9.84	6.01	6.68	6.13	5.47	6.21	13.50	26.19	16.43	30.88	28.79	8.11	164
1992	Critical	3.54	3.92	4.13	4.03	3.73	6.26	9.03	54.53	14.32	33.45	60.18	19.85	217
1993	Above Normal	3.93	3.66	4.24	4.24	3.52	6.55	4.57	93.22	53.63	24.40	30.68	9.62	242
1994	Critical	8.00	6.20	6.46	8.62	7.85	9.08	21.21	36.80	71.33	67.34	63.65	59.63	366
1995	Wet	10.61	6.51	6.70	2.61	4.86	0.00	8.25	103.11	100.11	80.20	49.20	64.86	437
1996	Wet	46.24	6.59	42.24	31.43	92.69	42.95	14.68	102.34	61.03	62.46	45.47	10.11	558
1997	Wet	8.37	22.78	97.78	98.12	2.77	9.50	21.46	100.67	81.77	68.18	51.43	38.01	601
1998	Wet	21.66	14.57	10.61	4.50	0.00	100.07	21.55	103.18	100.40	103.17	56.17	68.28	604
1999	Wet	49.01	29.60	32.07	19.56	12.30	33.70	13.25	102.71	62.17	64.51	47.17	38.21	504
2000	Above Normal	46.87	15.50	12.76	45.55	63.55	39.82	51.15	102.60	60.73	61.40	78.01	43.24	619
2001	Dry	25.18	6.68	12.21	12.17	11.02	9.08	13.79	74.96	45.93	84.53	70.84	38.42	405
2002	Dry	26.47	15.08	5.90	5.41	7.86	8.96	18.10	95.39	63.95	68.22	64.01	38.28	418
2003	Above Normal	35.41	36.22	5.70	2.41	6.20	5.91	7.82	101.60	58.68	62.87	47.12	44.59	415
Average		25	13	16	19	13	19	17	82	58	60	49	41	412
Wet		30	17	31	34	20	32	19	10					

Difference in Energy generated (GWh) at Trinity Dam : CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	3	0	0	0	11	-1	-1	1
1923	Below Norma	0	5	2	3	0	0	0	-1	-1	-17	0	-5	-1
1924	Critical	0	0	0	-2	-10	-1	6	0	0	0	0	-10	-1
1925	Dry	0	0	0	4	0	0	2	10	-4	1	1	1	1
1926	Dry	0	0	0	0	0	0	0	1	9	0	0	0	1
1927	Wet	0	0	0	2	0	0	0	0	0	11	0	10	2
1928	Above Norma	0	10	3	3	0	0	0	-2	-1	9	-2	-21	0
1929	Critical	0	0	0	-29	0	3	0	1	0	0	0	0	-2
1930	Dry	0	0	4	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	-1	0	0	0	0	0	0	0
1932	Dry	1	0	0	0	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	1	-2	0	0
1935	Below Norma	3	0	0	-2	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	2	-2	0	0	0	0	0	0
1937	Below Norma	0	0	0	0	0	0	-2	0	0	0	0	4	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	-7	-1
1939	Dry	0	0	0	0	0	-27	0	4	-16	71	-2	-13	1
1940	Above Norma	-19	-14	0	0	0	0	0	1	1	1	1	20	-1
1941	Wet	0	0	0	0	0	1	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	-8	0	0	8	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	-11	-1
1944	Dry	2	0	0	0	0	0	0	0	0	-1	-8	1	0
1945	Below Norma	0	0	0	0	3	0	0	1	12	0	0	0	1
1946	Below Norma	9	0	0	0	0	0	0	0	0	0	0	0	1
1947	Dry	0	0	0	2	-2	3	0	-1	0	0	-8	0	-1
1948	Below Norma	0	0	0	-2	0	0	0	0	0	0	0	0	0
1949	Dry	13	0	0	0	0	-5	0	0	13	-1	-1	-11	1
1950	Below Norma	0	0	0	0	0	1	0	-1	0	0	0	0	0
1951	Above Norma	0	0	0	0	-2	-1	-23	0	0	0	0	0	-2
1952	Wet	11	-10	0	0	2	12	0	0	0	0	0	0	1
1953	Wet	0	0	0	0	0	0	-12	0	0	13	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	-10	0	0	0	0	0	0	0	0	0	0	-1
1956	Wet	0	0	0	11	0	0	0	0	0	0	0	0	1
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	0	-11	-1
1958	Wet	0	11	0	0	0	0	0	0	0	0	0	0	1
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	-18	-1
1960	Dry	-5	12	0	2	0	0	1	0	1	0	0	0	1
1961	Dry	0	0	0	5	0	0	0	0	0	0	-26	1	-2
1962	Below Norma	1	8	3	3	0	0	0	1	1	1	1	1	2
1963	Wet	-4	0	0	0	0	0	0	1	1	1	1	-4	0
1964	Dry	0	28	0	-3	-27	2	-5	1	1	2	2	1	0
1965	Wet	1	0	1	32	0	0	0	0	29	-1	-18	-28	1
1966	Below Norma	0	1	15	3	0	0	0	0	0	0	-13	1	1
1967	Wet	0	0	12	0	0	0	0	0	0	0	0	0	1
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	-11	1	-1
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	44	-29	-1	1
1971	Wet	0	0	0	0	-8	-9	0	0	0	0	0	0	-1
1972	Below Norma	0	0	0	0	0	0	0	0	33	-1	-18	-1	1
1973	Above Norma	-7	-10	0	0	5	0	0	0	0	0	0	-11	-2
1974	Wet	11	0	0	0	0	0	0	0	0	0	0	0	1
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	-37	0	3	0	10	34	0	0	0	1
1977	Critical	17	-4	10	-6	4	0	-15	-1	0	25	-8	-2	2
1978	Above Norma	-15	0	0	0	0	0	0	-2	-2	-1	-1	0	-2
1979	Below Norma	0	0	0	0	0	0	0	-3	0	-1	-1	-11	-1
1980	Above Norma	0	0	0	0	-18	0	-19	0	1	1	-1	-17	-4
1981	Dry	-16	11	3	0	0	0	0	2	18	-28	4	21	1
1982	Wet	1	0	25	3	0	0	0	0	0	0	0	0	2
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	-39	-3
1985	Dry	0	3	20	-30	0	32	0	0	-23	2	3	11	1
1986	Wet	9	0	0	0	0	3	-11	1	15	1	1	10	2
1987	Dry	0	5	3	3	3	0	0	-1	-3	-1	-64	22	-3
1988	Critical	21	0	0	3	5	0	-3	1	3	0	1	0	3
1989	Dry	0	0	0	0	0	0	0	1	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	2	1	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	2	0	0	0	0	28	-16	1
1993	Above Norma	-4	0	0	-2	-1	0	1	0	0	0	2	0	0
1994	Critical	0	0	0	-22	0	0	0	-11	7	6	6	14	0
1995	Wet	0	0	0	0	0	0	-13	0	0	0	0	0	-1
1996	Wet	0	-8	8	0	0	0	-8	0	0	0	0	0	-1
1997	Wet	0	7	0	0	0	0	-26	1	1	1	-9	1	-2
1998	Wet	1	8	0	0	0	6	-9	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	0	0	-11	-1
2001	Dry	0	0	0	0	0	0	0	0	-26	2	9	1	-1
2002	Dry	5	0	-4	0	0	0	0	2	1	1	3	1	1
2003	Above Norma	7	20	0	0	0	0	0	0	0	0	0	-28	0
Average		1	1	1	-1	-1	0	-2	0	1	2	-2	-2	0
Wet		1	0	2	2	0	0	-3	0	2	3	-2	-3	0
Above Norma		-3	0	0	0	-1	0	-4	0	0	2	0	-7	-1
Below Norma		1	1	1	0	0	0	0	0	3	-1	-3	-2	0
Dry		0	3	1	-1	-1	0	0	1	-1	3	-5	2	0
Critical		3	0	1	-8	0	0	-1	0	4	3	2	-1	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy generated (GWh) at Trinity Dam : CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	0%	0%	41%	0%	0%	0%	25%	-1%	-1%
1923	Below Norma	-1%	44%	24%	37%	-2%	-2%	-2%	-2%	-2%	-27%	-1%	-12%
1924	Critical	0%	0%	0%	-6%	-45%	-18%	39%	1%	1%	1%	2%	-52%
1925	Dry	7%	7%	6%	11%	5%	3%	3%	2%	21%	-9%	2%	2%
1926	Dry	3%	3%	3%	3%	2%	2%	2%	2%	51%	1%	-1%	1%
1927	Wet	1%	1%	1%	48%	0%	0%	0%	0%	0%	0%	26%	19%
1928	Above Norma	-1%	187%	34%	38%	-3%	-2%	-2%	-2%	-2%	16%	-3%	-36%
1929	Critical	-2%	-2%	-2%	-63%	1%	42%	1%	2%	1%	1%	1%	1%
1930	Dry	1%	1%	34%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1931	Critical	0%	0%	0%	0%	0%	-14%	0%	0%	0%	0%	0%	0%
1932	Dry	8%	-6%	0%	1%	0%	0%	-1%	0%	0%	0%	-1%	0%
1933	Critical	0%	0%	14%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1934	Critical	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%	3%	-7%
1935	Below Norma	46%	-2%	-2%	-28%	-1%	-1%	-1%	0%	0%	-1%	-1%	-1%
1936	Below Norma	-1%	-1%	-1%	-1%	-1%	42%	-14%	0%	0%	0%	0%	-1%
1937	Below Norma	-1%	-1%	-1%	-1%	-1%	-1%	-20%	0%	0%	0%	0%	20%
1938	Wet	-1%	-1%	-1%	-1%	-1%	0%	0%	0%	0%	0%	0%	-10%
1939	Dry	0%	0%	0%	0%	0%	-68%	2%	7%	-20%	666%	-3%	-24%
1940	Above Norma	-28%	-42%	3%	3%	2%	2%	1%	1%	1%	2%	2%	53%
1941	Wet	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1942	Wet	0%	0%	0%	0%	0%	0%	-52%	0%	0%	12%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-20%
1944	Dry	11%	1%	1%	1%	1%	1%	1%	1%	1%	-1%	-14%	2%
1945	Below Norma	2%	2%	2%	2%	53%	1%	1%	1%	26%	0%	0%	0%
1946	Below Norma	82%	-1%	-1%	-1%	-1%	-1%	0%	0%	0%	0%	-1%	-1%
1947	Dry	-1%	-1%	-1%	21%	-27%	44%	-1%	-1%	-1%	-1%	-14%	0%
1948	Below Norma	0%	0%	0%	-35%	0%	0%	0%	0%	0%	0%	0%	0%
1949	Dry	147%	-1%	-1%	-1%	-1%	-59%	-1%	-1%	26%	-1%	-2%	-21%
1950	Below Norma	-1%	-1%	-1%	-1%	-1%	14%	-1%	-1%	-1%	-1%	-1%	-1%
1951	Above Norma	-1%	-1%	-1%	-1%	-39%	-15%	-59%	0%	1%	1%	1%	1%
1952	Wet	46%	-65%	1%	1%	54%	64%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	-48%	0%	1%	23%	0%	0%
1954	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1955	Dry	0%	-65%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%
1956	Wet	1%	1%	1%	49%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-20%
1958	Wet	1%	48%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-31%
1960	Dry	-19%	51%	2%	15%	1%	1%	1%	1%	1%	1%	1%	1%
1961	Dry	1%	1%	1%	93%	0%	0%	0%	0%	0%	0%	-34%	3%
1962	Below Norma	4%	112%	48%	44%	2%	2%	1%	1%	1%	2%	2%	2%
1963	Wet	-45%	2%	2%	2%	2%	2%	1%	1%	1%	1%	1%	-13%
1964	Dry	2%	503%	0%	-16%	-78%	18%	-24%	2%	2%	2%	3%	3%
1965	Wet	3%	3%	-	100%	0%	0%	0%	0%	47%	-2%	-24%	-71%
1966	Below Norma	1%	16%	268%	22%	0%	0%	0%	0%	0%	0%	-14%	1%
1967	Wet	1%	1%	148%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1968	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-17%	1%
1969	Wet	1%	1%	1%	1%	1%	1%	1%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	170%	-35%	-1%
1971	Wet	-1%	-1%	-1%	-1%	-58%	-21%	0%	0%	0%	0%	0%	0%
1972	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	65%	-2%	-25%	-1%
1973	Above Norma	-22%	-67%	0%	0%	116%	0%	0%	0%	0%	0%	0%	-20%
1974	Wet	141%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	-54%	3%	44%	2%	14%	67%	-1%	-1%	-1%
1977	Critical	78%	-29%	79%	-46%	57%	-4%	-46%	-2%	-2%	81%	-15%	-12%
1978	Above Norma	-45%	-15%	-12%	-	-4%	-3%	-2%	-2%	-2%	-3%	-3%	-3%
1979	Below Norma	-3%	-3%	-3%	-3%	-3%	-3%	-2%	-6%	-2%	-2%	-2%	-22%
1980	Above Norma	-2%	-2%	-1%	-1%	-75%	0%	-68%	0%	1%	1%	1%	-33%
1981	Dry	-66%	177%	45%	3%	3%	2%	2%	2%	52%	-33%	5%	56%
1982	Wet	3%	2%	764%	18%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-77%
1985	Dry	3%	43%	301%	-77%	3%	309%	1%	0%	-34%	3%	4%	26%
1986	Wet	40%	-3%	2%	2%	2%	108%	-19%	1%	21%	1%	1%	27%
1987	Dry	0%	46%	35%	37%	39%	-1%	-1%	-1%	-6%	-1%	-87%	55%
1988	Critical	110%	-2%	2%	40%	85%	1%	-13%	1%	7%	1%	1%	1%
1989	Dry	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%
1990	Critical	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%
1991	Critical	1%	1%	1%	35%	31%	1%	1%	1%	1%	1%	1%	1%
1992	Critical	1%	1%	1%	1%	1%	34%	0%	0%	0%	0%	89%	-45%
1993	Above Norma	-49%	-2%	-2%	-27%	-29%	-1%	14%	0%	0%	0%	7%	-1%
1994	Critical	-1%	-1%	-1%	-72%	1%	1%	1%	-22%	11%	11%	10%	32%
1995	Wet	-2%	-2%	-2%	-1%	-1%	-	-61%	0%	0%	0%	0%	0%
1996	Wet	0%	-55%	24%	0%	0%	0%	-34%	0%	0%	0%	0%	0%
1997	Wet	0%	44%	0%	0%	0%	0%	-55%	1%	2%	2%	-15%	3%
1998	Wet	4%	112%	3%	2%	-	7%	-30%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-20%
2001	Dry	1%	1%	1%	1%	1%	1%	1%	1%	-36%	3%	15%	3%
2002	Dry	23%	2%	-43%	2%	2%	2%	2%	2%	2%	2%	4%	2%
2003	Above Norma	26%	130%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	-39%
<hr/>													
Average		6%	14%	22%	2%	1%	7%	-6%	0%	4%	12%	-2%	-3%
Wet		7%	3%	36%	8%	0%	6%	-11%	0%	3%	8%	-2%	-6%
Above Norma		-10%	16%	2%	1%	-3%	2%	-10%	0%	0%	3%	0%	-10%
Below Norma		9%	12%	24%	3%	3%	4%	-3%	0%	6%	-2%	-4%	-3%
Dry		7%	42%	21%	5%	-3%	14%	-1%	1%	3%	35%	-7%	6%
Critical		16%	-3%	8%	-14%	11%	7%	-1%	0%	7%	8%	8%	-7%

Energy Use (GWh) At Pumping Plant at Alt. Misc.: CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	10.56	6.25	1.40	1.00	5.03	1.45	11.01	26.30	3.14	20.97	22.51	10.68	120
1923	Below Normal	12.62	7.85	2.68	3.51	1.00	1.00	11.10	24.68	5.46	22.95	19.03	11.93	124
1924	Critical	11.81	7.50	1.77	3.07	1.00	1.00	4.94	12.31	1.90	9.75	1.92	2.49	59
1925	Dry	6.31	1.71	7.10	11.21	16.94	4.57	16.11	29.50	3.20	13.24	2.20	13.31	125
1926	Dry	10.11	8.00	4.36	6.54	10.83	2.19	15.43	11.92	1.00	8.33	1.37	1.83	82
1927	Wet	5.09	8.39	5.67	8.76	13.92	2.85	10.69	23.01	4.32	13.31	22.87	10.62	130
1928	Above Normal	11.95	7.44	3.05	3.71	8.13	4.90	14.05	28.40	5.91	5.51	21.97	10.99	126
1929	Critical	11.17	7.34	2.94	3.56	6.26	1.00	2.46	14.70	2.07	10.40	2.86	7.40	72
1930	Dry	8.00	5.14	5.97	9.71	12.37	2.49	8.21	23.93	1.58	4.02	6.39	9.00	97
1931	Critical	7.64	5.86	3.03	7.09	1.00	3.99	3.41	14.51	2.25	10.78	1.36	8.85	70
1932	Dry	9.41	5.18	6.79	11.18	1.19	1.00	5.09	11.12	5.83	11.80	12.41	17.28	98
1933	Critical	13.67	8.17	1.94	1.00	1.00	1.00	3.06	11.31	2.00	10.48	4.69	7.69	66
1934	Critical	10.74	3.22	5.69	4.54	1.00	1.00	3.35	10.45	1.06	8.29	1.00	2.20	53
1935	Below Normal	1.46	7.69	5.02	9.92	4.41	9.21	13.33	11.40	6.66	8.94	11.86	13.52	103
1936	Below Normal	9.20	7.80	4.26	6.83	1.27	1.66	10.44	19.91	6.55	12.84	12.37	12.99	106
1937	Below Normal	11.36	7.83	4.02	4.98	1.00	1.00	9.34	35.56	1.00	7.91	10.78	13.83	109
1938	Wet	11.15	9.27	5.50	1.00	1.00	1.00	16.49	62.03	1.91	20.23	20.56	9.93	160
1939	Dry	12.44	7.87	2.23	1.63	1.00	2.43	5.58	21.34	4.98	12.58	10.03	8.20	90
1940	Above Normal	8.59	4.40	1.00	5.03	10.15	12.89	11.61	25.39	4.57	6.03	22.99	10.66	123
1941	Wet	11.91	7.24	3.47	5.02	8.93	1.13	12.90	37.15	2.62	19.51	21.82	10.02	142
1942	Wet	12.34	7.82	2.82	3.44	1.00	1.61	12.06	29.12	2.14	20.09	22.18	10.80	125
1943	Wet	12.27	8.25	3.18	4.24	3.63	1.00	13.30	19.16	1.00	20.17	21.65	9.72	118
1944	Dry	10.65	6.66	1.84	1.44	5.33	12.74	7.22	24.91	5.17	9.75	7.36	11.58	105
1945	Below Normal	9.56	8.14	4.50	6.42	7.83	1.68	11.35	28.57	5.64	21.98	19.41	10.87	136
1946	Below Normal	12.36	7.83	3.01	4.09	1.00	8.37	7.53	24.22	5.65	12.89	21.99	7.08	116
1947	Dry	11.33	7.61	3.45	4.44	8.29	6.29	6.10	10.89	7.47	13.67	10.50	10.52	101
1948	Below Normal	7.04	7.55	1.41	4.32	9.69	8.45	14.54	25.00	5.12	21.18	17.21	10.88	132
1949	Dry	11.53	6.44	3.16	3.69	6.65	7.75	6.20	24.84	5.52	22.60	16.86	11.01	126
1950	Below Normal	10.44	6.97	2.99	3.82	7.96	5.39	15.80	16.32	10.23	11.37	23.93	13.89	129
1951	Above Normal	6.84	9.33	5.16	1.00	1.00	1.17	9.75	19.52	2.07	9.86	23.41	10.08	99
1952	Wet	11.63	7.10	2.83	3.44	9.50	8.57	15.16	52.88	2.88	18.59	20.17	9.65	162
1953	Wet	11.81	8.07	3.32	1.71	4.02	1.00	11.00	27.59	4.26	21.66	23.71	11.03	128
1954	Above Normal	12.14	8.18	2.30	4.01	6.80	1.70	11.98	23.30	3.57	2.70	22.70	9.94	110
1955	Dry	10.54	6.97	2.81	3.60	7.26	7.16	5.30	24.26	4.88	16.56	1.63	7.23	98
1956	Wet	8.88	7.92	5.02	7.63	10.48	1.00	11.30	25.10	4.36	21.92	23.42	11.65	139
1957	Above Normal	12.99	8.05	3.15	1.19	1.00	1.44	11.68	28.67	4.30	15.42	20.50	11.31	120
1958	Wet	12.05	7.69	2.95	3.70	7.80	4.43	14.34	47.23	2.36	17.62	20.01	9.46	150
1959	Below Normal	11.65	7.62	2.11	1.50	4.45	4.91	5.19	25.30	4.14	18.65	16.38	7.38	109
1960	Dry	4.09	4.20	1.00	2.18	6.51	15.51	6.78	24.25	8.62	13.47	11.60	11.65	110
1961	Dry	6.24	8.37	3.98	7.98	12.94	2.75	5.69	19.20	5.23	20.19	23.76	6.56	123
1962	Below Normal	1.19	3.70	3.24	4.14	8.11	12.10	9.08	16.93	5.68	21.91	22.27	10.89	119
1963	Wet	12.59	8.13	3.68	4.72	9.02	1.65	15.15	28.64	3.47	10.84	22.34	10.12	130
1964	Dry	11.65	7.37	2.77	3.19	2.94	5.90	5.76	24.52	7.16	12.90	9.91	11.82	106
1965	Wet	7.92	8.36	4.56	7.30	7.26	1.37	12.53	23.52	3.90	21.32	24.20	10.97	133
1966	Below Normal	11.62	8.13	3.26	4.18	6.19	1.29	6.77	14.06	1.51	17.17	22.28	10.02	106
1967	Wet	10.43	5.80	3.16	3.94	8.41	9.50	15.74	46.19	3.18	21.73	19.84	9.49	157
1968	Below Normal	11.91	9.25	2.40	1.00	1.00	1.70	7.56	25.80	4.15	18.05	18.76	7.12	109
1969	Wet	8.82	7.03	2.92	4.29	9.55	4.01	15.74	61.92	2.58	23.00	20.53	9.70	170
1970	Wet	12.36	8.10	2.42	1.00	1.00	1.19	11.99	18.85	3.34	4.85	23.74	10.81	100
1971	Wet	11.29	7.25	3.21	4.05	4.93	10.59	10.11	24.16	4.77	16.35	24.14	11.17	132
1972	Below Normal	11.43	7.50	3.14	3.88	7.81	1.00	5.24	11.52	3.15	15.16	24.25	11.76	106
1973	Above Normal	12.16	8.13	3.62	4.74	8.38	10.94	10.15	14.10	2.31	19.39	18.50	10.65	123
1974	Wet	12.41	8.17	3.19	4.45	7.72	1.08	15.41	18.24	1.00	20.86	22.21	10.20	125
1975	Wet	12.55	7.89	2.66	2.92	6.28	7.58	10.73	22.45	3.47	20.64	23.31	11.18	132
1976	Critical	13.57	8.41	3.48	4.20	5.73	1.26	5.15	11.89	1.00	9.20	2.75	3.96	71
1977	Critical	6.51	6.66	1.00	5.02	1.00	1.00	3.27	11.14	1.81	23.10	8.61	4.49	74
1978	Above Normal	8.23	3.29	4.17	10.54	17.57	9.99	15.65	42.70	1.93	18.25	20.88	9.70	163
1979	Below Normal	10.46	7.19	1.53	1.13	4.58	1.23	9.96	32.79	5.30	20.48	19.30	11.26	125
1980	Above Normal	12.30	8.13	3.22	4.43	2.50	1.00	13.91	19.71	1.00	21.34	22.06	10.38	120
1981	Dry	11.92	7.62	2.40	2.38	5.74	2.49	8.41	26.02	1.99	18.36	20.35	9.71	117
1982	Wet	5.33	7.06	2.86	3.29	8.64	10.16	15.08	55.40	2.60	18.73	20.04	10.61	160
1983	Wet	13.64	9.18	2.76	2.34	1.00	1.00	16.72	62.24	2.21	21.45	21.16	13.25	167
1984	Wet	17.56	9.85	1.00	1.00	1.00	1.00	7.98	10.25	1.74	15.24	23.94	11.03	102
1985	Dry	12.04	7.66	3.28	3.99	7.44	5.07	6.36	24.58	5.57	22.37	21.84	10.46	131
1986	Wet	10.92	7.05	3.06	3.98	9.64	1.00	11.94	44.53	6.39	1.00	24.86	13.27	138
1987	Dry	13.17	8.54	3.78	1.00	1.00	2.39	5.26	23.48	5.45	17.94	2.27	6.40	91
1988	Critical	11.44	7.47	4.03	5.87	1.00	1.00	7.28	18.54	5.27	15.55	2.25	6.49	86
1989	Dry	6.70	4.24	2.36	8.44	1.00	16.81	11.57	24.67	8.86	16.00	11.24	11.57	123
1990	Critical	7.91	7.45	2.63	6.02	2.19	6.67	3.99	17.02	3.13	12.76	4.00	4.94	79
1991	Critical	8.36	5.94	2.38	2.92	3.92	15.71	3.02	16.24	1.00	12.18	3.68	7.73	83
1992	Critical	8.44	5.49	1.89	3.15	14.52	5.18	7.04	12.86	1.00	5.54	1.00	5.55	72
1993	Above Normal	5.51	1.88	3.24	6.26	11.58	12.31	21.38	11.10	2.35	20.20	19.05	10.75	126
1994	Critical	12.02	7.75	3.06	3.54	3.83	1.00	3.84	22.58	1.00	21.24	22.13	10.67	113
1995	Wet	3.30	11.81	19.09	17.71	15.72	20.91	3.98	1.99	1.00	1.00	1.00	9.43	107
1996	Wet	14.13	20.01	21.62	11.19	1.00	1.61	1.26	1.00	1.00	1.00	1.00	10.27	85
1997	Wet	14.10	19.04	20.96	18.60	15.59	1.00	1.00	1.00	1.00	1.00	1.00	9.23	104
1998	Wet	12.00	19.36	20.87	19.24	16.10	1.66	1.91	1.19	1.00	1.00	1.00	9.53	105
1999	Wet	14.77	20.53	22.15	12.42	1.08	4.61	1.00	1.00	1.00	1.00	1.00	10.90	91
2000	Above Normal	13.85	19.44	20.73	18.51	15.78	3.91	1.98	1.00	1.00	1.00	1.00	9.48	108
2001	Dry	13.73	17.16	18.70	17.07	13.28	21.05	1.00	1.00	1.00	1.00	1.00	3.98	110
2002	Dry	13.72	16.89	22.32	23.14	1.00	18.17	1.00	1.00	1.00	1.00	1.00	10.31	111
2003	Above Normal	9.83	15.50	19.11	18.30	10.57	4.72	2.34	1.00	1.00	1.00	2.69	10.78	97
Average		10	8	5	6	6	5	9	22	3	14	14	10	113
Wet		11	10	7	6	7	4	11	29	3	14	18	11	130
Above Normal		10	8	6	7	8	6	11	20	3	12	18	10	120
Below Normal		9	8	3	4	5	4	10	22	5	17	19	11	116
Dry		10	8	5	7	7	8	7	20	5	13	10	10	108
Critical		10	7	3	4	4								

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Energy Use (GWh) At Pumping Plant at Alt. Misc.: CP1_2020

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	10.56	6.25	1.40	1.00	5.00	1.45	11.01	26.32	3.14	20.96	22.50	10.69	120
1923	Below Normal	12.85	7.87	2.70	3.53	1.00	1.00	11.36	24.56	6.63	19.32	17.16	12.46	120
1924	Critical	12.33	7.92	1.47	3.99	2.39	1.00	4.91	12.21	1.89	10.97	1.85	9.50	70
1925	Dry	10.60	1.47	7.32	8.52	1.00	2.28	16.37	29.49	3.86	14.45	2.35	13.01	111
1926	Dry	9.78	7.86	4.18	6.07	10.53	3.24	15.98	17.56	1.00	7.88	1.02	5.05	90
1927	Wet	5.86	8.44	5.51	8.40	12.49	1.58	10.69	19.52	4.34	22.58	24.00	10.83	134
1928	Above Normal	12.09	7.75	3.10	3.78	6.68	1.97	14.09	28.44	6.24	7.75	20.19	11.01	123
1929	Critical	11.40	7.58	3.15	3.86	6.60	1.00	2.35	15.77	3.10	11.25	2.45	7.07	76
1930	Dry	7.77	4.95	5.67	9.17	14.37	2.72	8.19	23.81	1.78	11.75	1.20	7.62	99
1931	Critical	6.04	6.01	3.12	7.03	7.38	3.69	3.27	14.35	2.13	10.51	1.47	9.00	74
1932	Dry	9.66	5.62	6.92	7.75	1.00	1.00	5.05	11.43	5.58	11.60	12.05	17.16	95
1933	Critical	13.59	8.13	2.94	1.00	1.00	1.00	3.06	11.30	2.00	10.48	4.69	9.98	69
1934	Critical	11.06	3.55	5.68	2.97	1.00	1.00	3.36	10.47	1.02	8.24	1.00	1.76	51
1935	Below Normal	1.41	7.61	5.10	9.89	4.39	10.46	13.18	11.40	6.60	9.00	12.03	13.55	105
1936	Below Normal	9.23	7.82	4.33	6.88	1.00	1.69	10.21	19.98	6.83	11.69	13.81	13.17	107
1937	Below Normal	11.54	7.99	4.15	3.72	1.00	1.00	9.23	34.81	1.04	8.14	11.02	14.00	108
1938	Wet	11.62	9.36	5.66	1.00	1.00	1.00	16.49	62.03	1.91	20.23	20.56	9.93	161
1939	Dry	12.26	7.86	2.22	1.61	1.00	3.25	5.50	26.26	4.82	12.98	10.15	11.44	99
1940	Above Normal	7.93	3.45	1.00	4.87	9.90	12.87	11.60	25.41	4.58	6.08	23.04	10.70	121
1941	Wet	11.96	7.32	3.54	4.99	8.93	1.12	12.89	37.18	2.63	19.53	21.84	10.02	142
1942	Wet	12.34	7.83	2.83	3.46	1.00	1.61	12.06	29.12	2.14	20.08	22.16	10.80	125
1943	Wet	13.73	8.31	3.24	4.31	1.00	1.00	13.28	18.94	1.00	20.12	21.61	9.70	116
1944	Dry	10.64	6.65	1.83	1.44	5.28	12.08	7.03	24.95	6.55	12.44	9.00	11.42	109
1945	Below Normal	9.31	8.03	4.26	5.96	8.91	1.69	11.37	27.42	5.98	22.36	19.75	11.15	136
1946	Below Normal	12.07	8.09	3.14	4.33	1.00	10.33	7.27	24.05	5.23	20.99	19.75	6.54	123
1947	Dry	11.51	7.96	3.43	4.36	8.16	2.34	6.18	10.91	5.19	14.65	11.22	10.65	97
1948	Below Normal	7.01	7.68	1.53	3.18	9.87	8.27	14.26	25.23	4.84	21.84	21.99	10.73	136
1949	Dry	11.47	6.28	2.94	3.29	6.19	10.44	6.20	24.82	5.55	22.75	17.04	11.15	128
1950	Below Normal	9.98	7.04	3.01	3.84	7.95	5.58	15.28	26.58	9.94	11.09	23.45	13.84	138
1951	Above Normal	12.54	9.39	4.77	1.00	1.00	1.17	9.75	28.66	3.80	7.19	22.73	10.29	112
1952	Wet	11.82	7.37	2.91	3.50	9.62	6.83	15.16	52.88	2.88	18.59	20.17	9.65	161
1953	Wet	11.81	8.07	2.32	1.71	4.02	1.00	11.00	27.60	4.27	21.68	23.72	11.06	128
1954	Above Normal	12.22	8.19	3.32	4.03	6.81	1.71	11.98	23.31	3.61	1.84	22.78	9.99	110
1955	Dry	10.58	7.06	2.84	3.64	7.35	1.14	6.10	24.02	8.07	22.42	5.12	7.29	106
1956	Wet	8.74	7.71	4.77	7.11	11.07	1.00	11.30	24.82	4.36	21.92	23.42	11.65	138
1957	Above Normal	12.95	8.04	3.15	1.56	1.00	1.41	11.56	28.54	4.11	13.34	22.20	11.34	119
1958	Wet	12.10	7.71	2.96	3.71	7.81	4.63	14.34	47.23	2.36	17.62	20.01	9.46	150
1959	Below Normal	11.65	7.61	2.11	1.50	4.45	4.92	5.23	25.34	4.16	18.66	16.27	7.47	109
1960	Dry	4.10	6.43	1.00	3.18	5.88	15.18	6.74	19.03	7.79	12.83	10.95	11.62	105
1961	Dry	6.14	8.32	4.76	7.71	12.28	1.83	5.58	19.61	4.79	21.74	17.33	10.71	121
1962	Below Normal	2.79	6.89	2.96	3.87	7.73	11.84	8.65	21.09	4.78	14.86	23.21	10.72	119
1963	Wet	12.62	8.42	3.56	4.49	9.32	2.71	15.14	28.54	3.40	12.04	22.31	10.14	133
1964	Dry	11.68	7.44	2.78	3.15	2.91	5.38	5.95	18.93	1.30	20.55	13.87	6.93	101
1965	Wet	7.63	7.95	4.30	6.81	12.48	1.65	12.51	23.44	2.99	21.55	23.56	10.51	135
1966	Below Normal	11.16	7.89	2.84	3.43	6.93	6.40	6.77	14.06	1.52	17.23	22.28	10.02	111
1967	Wet	10.41	6.53	2.96	3.93	8.35	8.00	15.74	46.19	3.18	21.72	19.83	9.49	156
1968	Below Normal	11.94	9.27	2.40	1.00	1.00	1.70	7.37	25.52	3.82	18.56	18.51	6.25	107
1969	Wet	9.64	7.04	2.92	4.26	9.51	3.01	15.74	61.92	2.58	23.00	20.51	9.70	170
1970	Wet	12.38	8.13	2.43	1.00	1.00	1.16	11.88	18.85	2.72	4.56	25.45	10.54	100
1971	Wet	11.14	7.12	2.95	3.56	6.48	10.62	10.10	24.14	4.76	16.34	24.09	11.17	132
1972	Below Normal	12.16	7.64	3.16	3.88	6.29	1.00	5.02	11.38	1.00	14.11	25.80	11.81	103
1973	Above Normal	12.28	8.23	3.64	4.70	8.37	11.04	10.15	14.10	2.31	19.40	18.62	10.65	123
1974	Wet	12.41	8.15	3.19	4.45	7.71	1.00	15.41	18.24	1.00	20.85	22.21	10.20	125
1975	Wet	12.68	7.90	2.67	2.94	6.30	6.74	10.73	22.67	3.47	20.40	23.31	11.18	131
1976	Critical	13.57	8.42	3.48	4.21	5.86	1.23	5.39	10.57	1.00	9.12	2.87	3.23	69
1977	Critical	8.69	6.68	1.00	5.16	1.00	1.00	3.25	11.11	1.75	20.68	1.70	8.06	70
1978	Above Normal	2.30	3.05	4.30	10.55	17.29	15.68	18.51	42.72	1.96	18.29	20.90	9.70	165
1979	Below Normal	10.42	6.89	1.51	1.09	4.55	1.27	10.00	32.95	5.25	20.46	19.45	11.22	125
1980	Above Normal	12.12	7.69	3.05	4.12	5.35	1.00	13.91	19.71	1.00	21.35	22.08	10.39	122
1981	Dry	11.91	7.60	2.38	2.35	5.71	2.48	8.44	26.03	2.17	18.37	20.09	9.71	117
1982	Wet	6.65	7.12	2.87	3.31	8.67	8.64	15.08	55.40	2.60	18.73	20.05	10.61	160
1983	Wet	13.64	9.18	2.76	2.34	1.00	1.00	16.72	62.24	2.21	21.45	21.16	13.25	167
1984	Wet	17.56	9.85	1.00	1.00	1.00	1.00	8.02	10.30	1.81	15.32	24.11	11.12	102
1985	Dry	12.05	7.62	3.27	3.97	7.42	10.45	6.03	24.42	2.34	21.54	22.83	10.11	132
1986	Wet	10.70	6.87	2.79	3.49	9.02	3.42	12.64	41.59	5.58	1.00	24.33	12.87	134
1987	Dry	12.89	8.34	3.46	1.00	1.00	2.38	5.48	22.54	5.11	14.64	4.33	7.55	89
1988	Critical	8.71	7.53	4.16	6.12	1.00	1.00	7.21	18.60	6.03	16.78	2.10	6.37	86
1989	Dry	6.62	4.22	4.14	8.25	2.08	16.96	12.08	24.53	6.94	13.44	8.97	11.56	120
1990	Critical	8.11	7.41	2.77	5.74	1.66	6.65	3.99	17.04	3.13	12.39	4.00	4.94	78
1991	Critical	8.35	5.92	2.35	3.19	3.92	15.71	2.91	16.26	1.00	11.87	3.48	7.45	82
1992	Critical	8.14	5.18	1.73	2.86	14.01	9.08	6.97	13.50	1.00	5.42	1.00	5.53	74
1993	Above Normal	5.48	2.79	2.84	6.15	11.41	12.29	21.34	11.12	2.34	20.19	19.09	10.74	126
1994	Critical	12.00	7.74	3.05	3.51	3.87	1.00	3.88	22.73	1.00	21.57	22.83	10.79	114
1995	Wet	8.76	11.66	18.17	17.46	15.32	20.50	4.58	1.97	1.00	1.00	1.00	9.43	111
1996	Wet	13.93	19.56	21.14	11.10	1.00	1.61	1.26	1.00	1.00	1.00	1.00	10.27	84
1997	Wet	14.12	19.04	20.97	18.62	15.06	1.00	1.00	1.00	1.00	1.00	1.00	9.23	103
1998	Wet	11.98	18.94	20.87	19.21	16.43	1.66	1.91	1.19	1.00	1.00	1.00	9.53	105
1999	Wet	14.76	20.53	22.15	12.42	1.08	4.61	1.00	1.00	1.00	1.00	1.00	10.90	91
2000	Above Normal	13.84	19.43	20.72	18.39	15.58	3.94	1.98	1.00	1.00	1.00	1.00	9.51	107
2001	Dry	13.74	17.14	18.80	17.07	13.29	20.71	1.00	1.00	1.00	1.00	1.00	3.85	110
2002	Dry	12.15	17.42	21.95	22.41	2.97	17.74	1.00	1.00	1.00	1.00	1.00	10.02	110
2003	Above Normal	13.12	17.34	20.15	18.31	5.39	13.74	1.92	1.00	1.00	1.00	4.11	10.51	108
Average		11	8	5	6	6	5	9	22	3	14	14	10	114
Wet		12	10	7	6	7	4	11	28	3	15	18	11	131
Above Normal		11	8	6	7	8	7	11	21	3	12	18	10	121
Below Normal		10	8	3	4	5	5	10	23	5	16	19	11	118
Dry		10	8	6	6	6	7	7	19	4	14	9	10	108
Critical		10	7											

Difference in Energy Use (GWh) At Pumping Plant at Alt. Misc.: CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	0	1	-4	-2	1	0
1924	Critical	1	0	0	1	1	0	0	0	0	1	0	7	1
1925	Dry	4	0	0	-3	-16	-2	0	0	1	1	0	0	-1
1926	Dry	0	0	0	0	0	1	1	6	0	0	0	3	1
1927	Wet	1	0	0	0	-1	-1	0	-3	0	9	1	0	0
1928	Above Norma	0	0	0	0	-1	-3	0	0	0	2	-2	0	0
1929	Critical	0	0	0	0	0	0	0	1	1	1	0	0	0
1930	Dry	0	0	0	-1	2	0	0	0	0	8	-5	-1	0
1931	Critical	-2	0	0	0	6	0	0	0	0	0	0	0	0
1932	Dry	0	0	0	-3	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	1	0	0	0	0	0	0	0	0	2	0
1934	Critical	0	0	0	-2	0	0	0	0	0	0	0	0	0
1935	Below Norma	0	0	0	0	0	1	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	-1	1	0	0
1937	Below Norma	0	0	0	-1	0	0	0	-1	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	1	0	5	0	0	0	3	1
1940	Above Norma	-1	-1	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	1	0	0	0	-3	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	-1	0	0	1	3	2	0	0
1945	Below Norma	0	0	0	0	1	0	0	-1	0	0	0	0	0
1946	Below Norma	0	0	0	0	0	2	0	0	0	8	-2	-1	1
1947	Dry	0	0	0	0	0	-4	0	0	-2	1	1	0	0
1948	Below Norma	0	0	0	-1	0	0	0	0	0	1	5	0	0
1949	Dry	0	0	0	0	0	3	0	0	0	0	0	0	0
1950	Below Norma	0	0	0	0	0	0	-1	10	0	0	0	0	1
1951	Above Norma	6	0	0	0	0	0	0	9	2	-3	-1	0	1
1952	Wet	0	0	0	0	0	-2	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	-1	0	0	0
1955	Dry	0	0	0	0	0	-6	1	0	3	6	3	0	1
1956	Wet	0	0	0	-1	1	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	0	-2	2	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	2	0	1	-1	0	0	-5	-1	-1	-1	0	0
1961	Dry	0	0	1	0	-1	-1	0	0	0	-2	-6	4	0
1962	Below Norma	2	3	0	0	0	0	0	4	-1	-7	1	0	0
1963	Wet	0	0	0	0	0	1	0	0	0	1	0	0	0
1964	Dry	0	0	0	0	0	-1	0	-6	-6	8	4	-5	0
1965	Wet	0	0	0	0	5	0	0	0	-1	0	-1	0	0
1966	Below Norma	0	0	0	-1	1	5	0	0	0	0	0	0	0
1967	Wet	0	1	0	0	0	-2	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	1	0	-1	0
1969	Wet	1	0	0	0	0	-1	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	-1	0	2	0	0
1971	Wet	0	0	0	0	2	0	0	0	0	0	0	0	0
1972	Below Norma	1	0	0	0	-2	0	0	0	-2	-1	2	0	0
1973	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	-1	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	-1	0	0	0	-1	0
1977	Critical	2	0	0	0	0	0	0	0	0	-2	-7	4	0
1978	Above Norma	-6	0	0	0	0	6	-3	0	0	0	0	0	0
1979	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	Above Norma	0	0	0	0	3	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	1	0	0	0	0	-2	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	5	0	0	-3	-1	1	0	0
1986	Wet	0	0	0	0	-1	2	1	-3	-1	0	-1	0	0
1987	Dry	0	0	0	0	0	0	0	-1	0	-3	2	1	0
1988	Critical	-3	0	0	0	0	0	0	0	1	1	0	0	0
1989	Dry	0	0	2	0	1	0	1	0	-2	-3	-2	0	0
1990	Critical	0	0	0	0	-1	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	-1	4	0	1	0	0	0	0	0
1993	Above Norma	0	1	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	1	0	0
1995	Wet	5	0	-1	0	0	0	1	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	-1	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	-2	1	0	-1	2	0	0	0	0	0	0	0	0
2003	Above Norma	3	2	1	0	-5	9	0	0	0	0	1	0	1
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norma		0	0	0	0	0	1	0	1	0	0	0	0	0
Below Norma		0	0	0	0	0	1	0	1	0	0	0	0	0
Dry		0	0	0	0	-1	0	0	0	-1	1	0	0	0
Critical		0	0	0	0	1	0	0	0	0	0	-1	1	0

Shasta Lake Water Resource Investigation
Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at Alt. Misc.: CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%	0%
1923	Below Norma	2%	0%	1%	1%	0%	0%	2%	0%	21%	-16%	-10%	4%
1924	Critical	4%	6%	-17%	30%	139%	0%	-1%	-1%	-1%	13%	-3%	281%
1925	Dry	68%	-14%	3%	-24%	-94%	-50%	2%	0%	21%	9%	7%	-2%
1926	Dry	-3%	-2%	-4%	-7%	-3%	48%	4%	47%	0%	-5%	-25%	176%
1927	Wet	15%	1%	-3%	-4%	-10%	-45%	0%	-15%	0%	70%	5%	2%
1928	Above Norma	1%	4%	2%	2%	-18%	-60%	0%	0%	6%	41%	-8%	0%
1929	Critical	2%	3%	7%	8%	5%	0%	-4%	7%	49%	8%	-14%	-5%
1930	Dry	-3%	-4%	-5%	-6%	16%	9%	0%	-1%	12%	192%	-81%	-15%
1931	Critical	-21%	2%	3%	-1%	638%	-7%	-4%	-1%	-5%	-3%	8%	2%
1932	Dry	3%	8%	2%	-31%	-16%	0%	-1%	3%	-4%	-2%	-3%	-1%
1933	Critical	-1%	-1%	52%	0%	0%	0%	0%	0%	0%	0%	0%	30%
1934	Critical	3%	10%	0%	-35%	0%	0%	0%	0%	-4%	-1%	0%	-20%
1935	Below Norma	-3%	-1%	2%	0%	-1%	14%	-1%	0%	-1%	1%	1%	0%
1936	Below Norma	0%	0%	2%	1%	-21%	2%	-2%	0%	4%	-9%	12%	1%
1937	Below Norma	2%	2%	3%	-25%	0%	0%	-1%	-2%	4%	3%	2%	1%
1938	Wet	4%	1%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	-1%	0%	0%	-1%	0%	33%	-1%	23%	-3%	3%	1%	39%
1940	Above Norma	-8%	-22%	0%	-3%	0%	0%	0%	0%	0%	1%	0%	0%
1941	Wet	0%	1%	2%	-1%	0%	0%	0%	0%	1%	0%	0%	0%
1942	Wet	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	12%	1%	2%	2%	-72%	0%	0%	-1%	0%	0%	0%	0%
1944	Dry	0%	0%	0%	0%	-1%	-5%	-3%	0%	27%	28%	22%	-1%
1945	Below Norma	-3%	-1%	-5%	-7%	14%	1%	0%	-4%	6%	2%	2%	3%
1946	Below Norma	-2%	3%	4%	6%	0%	23%	-3%	-1%	-7%	63%	-10%	-8%
1947	Dry	2%	5%	-1%	-2%	-2%	-63%	1%	0%	-30%	7%	7%	1%
1948	Below Norma	0%	2%	9%	-26%	2%	-2%	-2%	1%	-5%	3%	28%	-1%
1949	Dry	-1%	-2%	-7%	-11%	-7%	35%	0%	0%	1%	1%	1%	1%
1950	Below Norma	-4%	1%	1%	1%	0%	4%	-3%	63%	-3%	-2%	-2%	0%
1951	Above Norma	83%	1%	-8%	0%	0%	0%	0%	47%	84%	-27%	-3%	2%
1952	Wet	2%	4%	3%	2%	1%	-20%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Norma	1%	0%	0%	0%	0%	0%	0%	0%	1%	-32%	0%	1%
1955	Dry	0%	1%	1%	1%	1%	-84%	15%	-1%	65%	35%	214%	1%
1956	Wet	-2%	-3%	-5%	-7%	6%	0%	0%	-1%	0%	0%	0%	0%
1957	Above Norma	0%	0%	0%	32%	0%	-2%	-1%	0%	-5%	-13%	8%	0%
1958	Wet	0%	0%	1%	0%	0%	5%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	0%	0%	0%	0%	1%	0%	1%	0%	-1%	1%
1960	Dry	0%	53%	0%	46%	-10%	-2%	-1%	-22%	-10%	-5%	-6%	0%
1961	Dry	-2%	-1%	20%	-3%	-5%	-34%	-2%	2%	-8%	8%	-27%	63%
1962	Below Norma	134%	86%	-9%	-6%	-5%	-2%	-5%	25%	-16%	-32%	4%	-2%
1963	Wet	0%	4%	-3%	-5%	3%	64%	0%	0%	-2%	11%	0%	0%
1964	Dry	0%	1%	0%	-1%	-1%	-9%	3%	-23%	-82%	59%	40%	-41%
1965	Wet	-4%	-5%	-6%	-7%	72%	20%	0%	0%	-23%	1%	-3%	-4%
1966	Below Norma	-4%	-3%	-13%	-18%	12%	395%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	12%	-6%	0%	-1%	-16%	0%	0%	0%	0%	0%	0%
1968	Below Norma	0%	0%	0%	0%	0%	0%	-2%	-1%	-8%	3%	-1%	-12%
1969	Wet	9%	0%	0%	-1%	0%	-25%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	1%	0%	0%	-2%	-1%	0%	-19%	-6%	7%	-2%
1971	Wet	-1%	-2%	-8%	-12%	31%	0%	0%	0%	0%	0%	0%	0%
1972	Below Norma	6%	2%	1%	0%	-19%	0%	-4%	-1%	-68%	-7%	6%	0%
1973	Above Norma	1%	1%	1%	-1%	0%	1%	0%	0%	0%	0%	1%	0%
1974	Wet	0%	0%	0%	0%	0%	-7%	0%	0%	0%	0%	0%	0%
1975	Wet	1%	0%	0%	0%	0%	-11%	0%	1%	0%	-1%	0%	0%
1976	Critical	0%	0%	0%	0%	2%	-3%	5%	-11%	0%	-1%	4%	-18%
1977	Critical	33%	0%	0%	3%	0%	0%	-1%	0%	-3%	-11%	-80%	80%
1978	Above Norma	-72%	-7%	3%	0%	-2%	57%	18%	0%	1%	0%	0%	0%
1979	Below Norma	0%	-4%	-2%	-3%	-1%	3%	0%	0%	-1%	0%	1%	0%
1980	Above Norma	-1%	-5%	-5%	-7%	114%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	-1%	-1%	-1%	0%	0%	0%	9%	0%	-1%	0%
1982	Wet	25%	1%	0%	0%	0%	-15%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	4%	1%	1%	1%
1985	Dry	0%	-1%	0%	0%	0%	106%	-5%	-1%	-58%	-4%	5%	-3%
1986	Wet	-2%	-3%	-9%	-12%	-6%	242%	6%	-7%	-13%	0%	-2%	-3%
1987	Dry	-2%	-2%	-8%	0%	0%	-1%	4%	-4%	-6%	-18%	91%	18%
1988	Critical	-24%	1%	3%	4%	0%	0%	-1%	0%	14%	8%	-7%	-2%
1989	Dry	-1%	0%	76%	-2%	108%	1%	4%	-1%	-22%	-16%	-20%	0%
1990	Critical	3%	0%	5%	-5%	-24%	0%	0%	0%	0%	-3%	0%	0%
1991	Critical	0%	0%	-1%	9%	0%	0%	-4%	0%	0%	-3%	-6%	-4%
1992	Critical	-4%	-6%	-8%	-9%	-4%	75%	-1%	5%	0%	-2%	0%	0%
1993	Above Norma	-1%	48%	-12%	-2%	-1%	0%	0%	0%	-1%	0%	0%	0%
1994	Critical	0%	0%	0%	-1%	1%	0%	1%	1%	0%	2%	3%	1%
1995	Wet	166%	-1%	-5%	-1%	-2%	-2%	15%	-1%	0%	0%	0%	0%
1996	Wet	-1%	-2%	-2%	-1%	0%	0%	0%	0%	0%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	-3%	0%	0%	0%	0%	0%	0%	0%
1998	Wet	0%	-2%	0%	0%	2%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norma	0%	0%	0%	-1%	-1%	1%	0%	0%	0%	0%	0%	0%
2001	Dry	0%	0%	1%	0%	0%	-2%	0%	0%	0%	0%	0%	-3%
2002	Dry	-11%	3%	-2%	-3%	197%	-2%	0%	0%	0%	0%	0%	-3%
2003	Above Norma	33%	12%	5%	0%	-49%	191%	-18%	0%	0%	0%	53%	-2%
Average		5%	2%	1%	-2%	12%	10%	0%	2%	-1%	4%	3%	7%
Wet		9%	0%	-1%	-2%	1%	7%	1%	-1%	-2%	3%	0%	0%
Above Norma		3%	3%	-1%	2%	3%	16%	0%	4%	7%	-3%	4%	0%
Below Norma		9%	6%	0%	-6%	-1%	31%	-1%	6%	-5%	1%	2%	-1%
Dry		3%	2%	4%	-3%	10%	-1%	1%	1%	-5%	16%	12%	13%
Critical		0%	1%	4%	0%	63%	5%	-1%	0%	4%	1%	-8%	29%

Energy Use (GWh) At Pumping Plant at Contra Costa : CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	1.65	0.97	1.01	0.57	0.57	1.10	0.00	1.95	2.73	4.61	3.38	2.87	21
1923	Below Normal	2.49	1.64	0.85	1.20	1.05	1.22	0.00	2.17	2.76	3.44	3.38	2.85	23
1924	Critical	2.51	1.72	1.85	1.25	0.29	0.45	0.14	1.26	1.83	3.30	3.22	2.84	21
1925	Dry	2.48	1.98	1.54	1.82	1.81	1.43	2.02	2.73	4.84	4.47	3.23	2.53	31
1926	Dry	1.38	0.94	1.21	1.70	1.28	1.43	2.02	2.54	2.88	3.32	3.23	2.83	25
1927	Wet	2.49	1.95	1.77	1.71	1.52	1.08	1.40	1.96	2.52	5.09	4.45	2.68	29
1928	Above Normal	1.82	1.14	0.77	0.51	1.11	1.10	0.00	1.95	4.69	3.52	3.38	2.75	23
1929	Critical	1.29	0.98	1.57	0.38	0.53	0.58	0.14	1.91	3.08	3.32	3.07	2.62	19
1930	Dry	2.48	1.98	1.73	1.82	1.81	1.41	2.02	2.54	2.88	4.64	3.23	2.49	29
1931	Critical	2.10	1.95	1.24	1.71	1.48	1.76	2.20	2.77	3.08	3.32	3.22	2.84	28
1932	Dry	2.48	1.98	1.35	1.82	1.81	1.43	2.02	2.54	2.88	5.35	3.23	2.09	29
1933	Critical	2.01	1.95	1.36	1.71	1.24	1.76	2.20	2.77	3.08	3.32	3.22	2.84	27
1934	Critical	2.48	1.98	1.55	1.82	1.81	1.76	2.20	2.77	3.08	3.32	3.22	2.84	29
1935	Below Normal	2.48	1.98	1.80	1.82	1.81	1.22	1.72	2.17	4.72	4.52	3.22	2.74	30
1936	Below Normal	2.44	1.76	1.59	0.00	0.00	1.22	1.72	2.17	2.76	5.21	3.78	2.74	25
1937	Below Normal	2.44	1.76	1.61	0.50	0.00	1.22	1.72	4.17	4.06	3.19	3.22	2.74	27
1938	Wet	2.44	1.76	0.87	0.00	0.00	1.08	1.40	1.96	2.52	5.09	4.45	2.68	24
1939	Dry	2.35	1.53	0.60	0.35	0.28	0.68	0.00	2.54	2.88	3.32	3.23	2.21	20
1940	Above Normal	1.19	0.94	1.04	0.72	1.37	1.10	1.54	3.98	2.73	4.38	3.22	2.75	25
1941	Wet	2.36	1.57	0.99	1.25	0.63	1.08	0.00	1.96	4.04	3.25	3.34	2.68	23
1942	Wet	2.52	1.53	0.40	0.66	0.99	1.07	0.00	1.96	2.52	3.25	3.34	2.68	21
1943	Wet	2.53	1.48	0.57	0.77	1.08	1.04	0.00	1.96	2.52	4.98	3.19	2.68	23
1944	Dry	2.25	1.53	0.84	0.35	0.28	1.43	0.00	2.54	4.84	3.95	3.23	2.75	24
1945	Below Normal	1.22	1.11	1.08	0.50	0.51	1.22	1.72	2.17	4.72	4.52	3.22	2.72	25
1946	Below Normal	2.44	1.76	1.16	1.38	1.18	1.22	0.00	2.17	2.76	3.57	3.33	2.56	24
1947	Dry	1.49	1.21	1.04	0.49	1.18	1.43	0.00	2.54	2.88	3.32	3.23	2.42	21
1948	Below Normal	1.20	0.98	1.56	1.71	1.52	1.22	1.72	2.17	2.76	5.21	4.49	2.69	27
1949	Dry	1.69	1.17	1.61	0.71	1.18	0.76	0.00	2.54	2.88	4.64	3.23	2.60	23
1950	Below Normal	1.14	1.46	1.24	1.70	1.48	1.22	1.72	2.17	4.72	4.52	3.22	2.74	27
1951	Above Normal	1.50	1.76	1.61	0.21	0.00	1.10	0.00	1.95	2.73	4.59	3.38	2.58	21
1952	Wet	1.63	1.17	0.93	1.23	1.05	1.07	0.00	1.96	2.52	3.25	3.34	2.79	21
1953	Wet	2.43	1.53	0.48	1.04	1.14	1.08	0.00	1.96	2.52	3.25	3.34	2.80	22
1954	Above Normal	2.42	1.20	1.19	0.32	1.11	1.10	0.00	1.95	2.73	3.29	3.38	2.75	21
1955	Dry	1.55	1.04	0.92	0.68	0.81	1.43	0.00	2.54	2.88	3.32	3.23	2.54	21
1956	Wet	1.26	0.88	0.76	1.02	1.52	1.08	1.40	1.96	2.52	5.09	4.45	2.68	25
1957	Above Normal	2.35	1.53	1.00	1.05	0.43	1.10	0.00	1.95	4.65	3.53	3.38	2.56	24
1958	Wet	1.53	1.23	1.12	1.25	1.05	0.40	0.00	1.96	2.52	3.25	3.34	2.79	20
1959	Below Normal	2.42	1.53	0.61	0.36	1.11	1.22	0.00	2.17	4.72	3.55	3.22	2.32	23
1960	Dry	1.35	0.82	0.91	0.58	0.25	1.43	0.00	2.54	2.88	4.57	3.23	2.16	21
1961	Dry	1.07	1.12	1.77	1.71	1.50	1.43	2.02	2.54	2.88	4.64	3.23	2.28	26
1962	Below Normal	2.49	1.95	1.77	1.71	1.52	1.22	1.72	2.17	2.76	5.21	3.22	2.74	28
1963	Wet	2.44	1.76	1.61	1.38	1.18	2.10	0.18	1.96	4.48	3.39	3.19	2.68	26
1964	Dry	1.65	0.72	1.13	1.07	1.11	1.43	0.00	2.54	2.88	3.32	3.08	1.95	21
1965	Wet	1.26	1.95	1.26	1.71	1.52	2.16	0.41	2.00	2.52	5.09	3.34	2.68	26
1966	Below Normal	2.35	1.53	0.49	1.02	1.09	1.22	0.00	2.17	2.76	3.48	3.22	2.30	22
1967	Wet	1.29	1.35	0.68	1.25	1.18	1.08	0.00	1.96	2.52	3.25	3.34	2.79	21
1968	Below Normal	2.42	1.53	0.59	0.49	1.11	1.22	0.00	2.17	2.76	3.48	3.22	2.50	21
1969	Wet	1.21	0.92	1.06	0.58	1.18	1.08	0.00	1.96	2.52	5.09	3.92	2.79	22
1970	Wet	2.40	1.53	0.54	0.81	1.07	1.08	0.00	1.96	2.52	3.25	3.34	2.65	21
1971	Wet	1.50	1.38	1.13	1.02	1.11	1.08	0.00	1.96	2.52	3.25	3.34	2.68	21
1972	Below Normal	2.35	1.35	0.85	0.36	0.33	1.22	0.00	2.17	2.76	5.21	3.49	2.65	23
1973	Above Normal	1.13	1.05	1.20	1.38	1.18	1.10	0.00	1.95	4.68	4.21	3.38	2.75	24
1974	Wet	2.44	1.67	1.10	1.18	1.05	1.08	0.00	1.96	2.52	3.24	3.34	2.68	22
1975	Wet	2.52	1.53	0.60	1.07	1.11	1.08	0.00	1.96	2.52	3.24	3.34	2.68	22
1976	Critical	2.50	1.53	0.62	0.37	0.25	0.70	0.14	2.36	1.63	1.81	3.22	2.50	18
1977	Critical	2.48	1.98	1.35	1.82	1.81	1.76	2.20	2.77	3.08	3.32	3.22	2.84	29
1978	Above Normal	2.48	1.98	1.43	1.82	1.81	1.10	1.54	1.95	2.73	5.14	4.49	2.75	29
1979	Below Normal	2.44	1.67	1.57	1.25	1.05	1.22	0.69	2.17	4.72	4.52	3.22	2.59	27
1980	Above Normal	1.70	1.32	1.05	0.67	1.18	1.10	0.34	1.95	2.73	5.14	4.49	2.75	24
1981	Dry	2.44	1.67	1.07	0.29	1.05	1.43	0.00	2.54	2.88	3.32	3.23	2.07	22
1982	Wet	1.07	0.77	1.77	1.71	1.52	1.08	0.00	1.96	2.52	5.09	3.36	2.76	24
1983	Wet	2.39	1.42	0.40	0.63	0.73	0.52	0.00	1.96	2.52	3.25	3.34	2.78	20
1984	Wet	2.42	1.43	0.47	1.04	1.09	1.08	0.00	1.96	2.52	3.25	3.34	2.80	21
1985	Dry	2.32	1.05	1.06	1.07	0.80	1.43	0.00	2.54	4.84	3.32	3.02	2.00	23
1986	Wet	1.42	1.14	1.77	0.74	0.66	1.08	1.40	1.96	2.52	3.99	3.19	2.68	23
1987	Dry	2.35	1.53	0.84	0.28	0.41	0.87	0.00	2.54	2.88	3.32	3.23	2.07	20
1988	Critical	2.20	1.95	1.24	1.68	1.50	1.76	2.20	2.77	3.08	4.64	3.19	2.46	29
1989	Dry	2.19	1.98	1.47	1.82	1.75	1.43	2.02	2.54	2.88	4.64	3.23	2.65	29
1990	Critical	1.61	0.92	1.77	1.71	1.50	1.76	2.20	2.77	3.08	3.32	3.22	2.84	27
1991	Critical	2.48	1.98	1.61	1.82	1.81	1.76	2.20	2.77	3.08	3.32	3.22	2.84	29
1992	Critical	2.48	1.98	1.35	1.82	1.81	1.76	2.20	2.77	3.08	4.64	3.22	2.84	30
1993	Above Normal	2.48	1.98	1.66	1.82	1.02	1.10	1.54	1.95	2.73	5.14	4.49	2.75	29
1994	Critical	2.44	1.67	0.98	0.59	1.05	1.13	0.14	2.77	3.08	3.32	2.81	2.26	22
1995	Wet	2.32	1.98	1.35	1.78	1.81	1.08	1.40	1.96	2.52	5.09	4.45	2.68	28
1996	Wet	2.35	1.53	1.10	0.84	0.69	1.00	0.00	1.96	4.21	3.25	3.34	2.80	23
1997	Wet	2.41	1.50	0.36	0.87	1.10	1.08	0.00	1.96	4.28	3.25	3.34	2.68	23
1998	Wet	1.77	0.93	0.66	0.38	0.68	1.08	0.00	1.96	2.52	4.32	3.34	2.79	20
1999	Wet	2.43	1.53	0.48	1.04	1.11	1.08	0.00	1.96	2.52	3.25	3.34	2.64	21
2000	Above Normal	2.16	1.30	1.57	0.49	0.67	1.10	0.00	1.95	4.43	4.67	3.38	2.75	24
2001	Dry	2.35	1.67	1.77	0.36	1.52	1.18	0.00	2.54	2.88	3.32	3.23	2.46	23
2002	Dry	1.18	1.95	0.78	1.71	1.52	1.43	0.76	2.54	2.88	4.24	3.23	2.42	25
2003	Above Normal	2.49	1.95	1.24	1.71	3.35	1.10	0.53	1.95	4.69	4.45	3.22	2.75	29
Average		2	1	1	1	1	1	1	2	3	4	3	3	24
Wet		2	1	1	1	1	1	0	2	3	4	4	3	23
Above Normal		2	1	1	1	1	1	0	2	4	4	4	3	25
Below Normal		2	2	1	1	1	1	1	2	4	4	3	3	25
Dry		2	1	1	1	1	1	1	3	3	4	3	2	24
Critical		2	2	1	1	1	1	2	3	3	3	3	3	26

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Energy Use (GWh) At Pumping Plant at Contra Costa : CP1_2020

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	1.65	0.97	1.01	0.57	0.57	1.10	0.00	1.95	2.73	4.61	3.38	2.87	21
1923	Below Normal	2.49	1.64	0.85	1.20	1.05	1.22	0.00	2.17	2.76	3.44	3.38	2.85	23
1924	Critical	2.51	1.72	1.85	1.25	0.29	0.45	0.14	1.26	1.83	3.30	3.22	2.84	21
1925	Dry	2.48	1.98	1.54	1.82	1.81	1.43	2.02	2.73	4.84	4.47	3.23	2.53	31
1926	Dry	1.38	0.94	1.21	1.70	1.28	1.43	2.02	2.54	2.88	3.32	3.23	2.83	25
1927	Wet	2.49	1.95	1.77	1.71	1.52	1.08	1.40	1.96	2.52	5.09	4.45	2.68	29
1928	Above Normal	1.82	1.14	0.77	0.51	1.11	1.10	0.00	1.95	4.69	3.52	3.38	2.75	23
1929	Critical	1.29	0.98	1.57	0.38	0.53	0.58	0.14	1.91	3.08	3.32	3.07	2.62	19
1930	Dry	2.48	1.98	1.73	1.82	1.81	1.41	2.02	2.54	2.88	4.64	3.23	2.49	29
1931	Critical	2.10	1.95	1.24	1.71	1.48	1.76	2.20	2.77	3.08	3.32	3.22	2.84	28
1932	Dry	2.48	1.98	1.35	1.82	1.81	1.43	2.02	2.54	2.88	5.35	3.23	2.09	29
1933	Critical	2.01	1.95	1.36	1.71	1.24	1.76	2.20	2.77	3.08	3.32	3.22	2.84	27
1934	Critical	2.48	1.98	1.55	1.82	1.81	1.76	2.20	2.77	3.08	3.32	3.22	2.84	29
1935	Below Normal	2.48	1.98	1.80	1.82	1.81	1.22	1.72	2.17	4.72	4.52	3.22	2.74	30
1936	Below Normal	2.44	1.76	1.59	0.00	0.00	1.22	1.72	2.17	2.76	5.21	3.78	2.74	25
1937	Below Normal	2.44	1.76	1.61	0.50	0.00	1.22	1.72	4.17	4.06	3.19	3.22	2.74	27
1938	Wet	2.44	1.76	0.87	0.00	0.00	1.08	1.40	1.96	2.52	5.09	4.45	2.68	24
1939	Dry	2.35	1.53	0.60	0.35	0.28	0.68	0.00	2.54	2.88	3.32	3.23	2.21	20
1940	Above Normal	1.19	0.94	1.04	0.72	1.37	1.10	1.54	3.98	2.73	4.38	3.22	2.75	25
1941	Wet	2.36	1.57	0.99	1.25	0.63	1.08	0.00	1.96	4.04	3.25	3.34	2.68	23
1942	Wet	2.52	1.53	0.40	0.66	0.99	1.07	0.00	1.96	2.52	3.25	3.34	2.68	21
1943	Wet	2.53	1.48	0.57	0.77	1.08	1.04	0.00	1.96	2.52	4.98	3.19	2.68	23
1944	Dry	2.25	1.53	0.84	0.35	0.28	1.43	0.00	2.54	4.84	3.95	3.23	2.75	24
1945	Below Normal	1.22	1.11	1.08	0.50	0.51	1.22	1.72	2.17	4.72	4.52	3.22	2.72	25
1946	Below Normal	2.44	1.76	1.16	1.38	1.18	1.22	0.00	2.17	2.76	3.57	3.33	2.56	24
1947	Dry	1.49	1.21	1.04	0.49	1.18	1.43	0.00	2.54	2.88	3.32	3.23	2.42	21
1948	Below Normal	1.20	0.98	1.56	1.71	1.52	1.22	1.72	2.17	2.76	5.21	4.49	2.69	27
1949	Dry	1.69	1.17	1.61	0.71	1.18	0.76	0.00	2.54	2.88	4.64	3.23	2.60	23
1950	Below Normal	1.14	1.46	1.24	1.70	1.48	1.22	1.72	2.17	4.72	4.52	3.22	2.74	27
1951	Above Normal	1.50	1.76	1.61	0.21	0.00	1.10	0.00	1.95	2.73	4.59	3.38	2.58	21
1952	Wet	1.63	1.17	0.93	1.23	1.05	1.07	0.00	1.96	2.52	3.25	3.34	2.79	21
1953	Wet	2.43	1.53	0.48	1.04	1.14	1.08	0.00	1.96	2.52	3.25	3.34	2.80	22
1954	Above Normal	2.42	1.20	1.19	0.32	1.11	1.10	0.00	1.95	2.73	3.29	3.38	2.75	21
1955	Dry	1.55	1.04	0.92	0.68	0.81	1.43	0.00	2.54	2.88	3.32	3.23	2.54	21
1956	Wet	1.26	0.88	0.76	1.02	1.52	1.08	1.40	1.96	2.52	5.09	4.45	2.68	25
1957	Above Normal	2.35	1.53	1.00	1.05	0.43	1.10	0.00	1.95	4.65	3.53	3.38	2.56	24
1958	Wet	1.53	1.23	1.12	1.25	1.05	0.40	0.00	1.96	2.52	3.25	3.34	2.79	20
1959	Below Normal	2.42	1.53	0.61	0.36	1.11	1.22	0.00	2.17	4.72	3.55	3.22	2.32	23
1960	Dry	1.35	0.82	0.91	0.58	0.25	1.43	0.00	2.54	2.88	4.57	3.23	2.16	21
1961	Dry	1.07	1.12	1.77	1.71	1.50	1.43	2.02	2.54	2.88	4.64	3.23	2.28	26
1962	Below Normal	2.49	1.95	1.77	1.71	1.52	1.22	1.72	2.17	2.76	5.21	3.22	2.74	28
1963	Wet	2.44	1.76	1.61	1.38	1.18	2.10	0.18	1.96	4.48	3.39	3.19	2.68	26
1964	Dry	1.65	0.72	1.13	1.07	1.11	1.43	0.00	2.54	2.88	3.32	3.08	1.95	21
1965	Wet	1.26	1.95	1.26	1.71	1.52	2.16	0.41	2.00	2.52	5.09	3.34	2.68	26
1966	Below Normal	2.35	1.53	0.49	1.02	1.09	1.22	0.00	2.17	2.76	3.48	3.22	2.30	22
1967	Wet	1.29	1.35	0.68	1.25	1.18	1.08	0.00	1.96	2.52	3.25	3.34	2.79	21
1968	Below Normal	2.42	1.53	0.59	0.49	1.11	1.22	0.00	2.17	2.76	3.48	3.22	2.50	21
1969	Wet	1.21	0.92	1.06	0.58	1.18	1.08	0.00	1.96	2.52	5.09	3.92	2.79	22
1970	Wet	2.40	1.53	0.54	0.81	1.07	1.08	0.00	1.96	2.52	3.25	3.34	2.65	21
1971	Wet	1.50	1.38	1.13	1.02	1.11	1.08	0.00	1.96	2.52	3.25	3.34	2.68	21
1972	Below Normal	2.35	1.35	0.85	0.36	0.33	1.22	0.00	2.17	2.76	5.21	3.49	2.65	23
1973	Above Normal	1.13	1.05	1.20	1.38	1.18	1.10	0.00	1.95	4.68	4.21	3.38	2.75	24
1974	Wet	2.44	1.67	1.10	1.18	1.05	1.08	0.00	1.96	2.52	3.24	3.34	2.68	22
1975	Wet	2.52	1.53	0.60	1.07	1.11	1.08	0.00	1.96	2.52	3.24	3.34	2.68	22
1976	Critical	2.50	1.53	0.62	0.37	0.25	0.70	0.14	2.36	1.63	1.81	3.22	2.50	18
1977	Critical	2.48	1.98	1.35	1.82	1.81	1.76	2.20	2.77	3.08	3.32	3.22	2.84	29
1978	Above Normal	2.48	1.98	1.43	1.82	1.81	1.10	1.54	1.95	2.73	5.14	4.49	2.75	29
1979	Below Normal	2.44	1.67	1.57	1.25	1.05	1.22	0.69	2.17	4.72	4.52	3.22	2.59	27
1980	Above Normal	1.70	1.32	1.05	0.67	1.18	1.10	0.34	1.95	2.73	5.14	4.49	2.75	24
1981	Dry	2.44	1.67	1.07	0.29	1.05	1.43	0.00	2.54	2.88	3.32	3.23	2.07	22
1982	Wet	1.07	0.77	1.77	1.71	1.52	1.08	0.00	1.96	2.52	5.09	3.36	2.76	24
1983	Wet	2.39	1.42	0.40	0.63	0.73	0.52	0.00	1.96	2.52	3.25	3.34	2.78	20
1984	Wet	2.42	1.43	0.47	1.04	1.09	1.08	0.00	1.96	2.52	3.25	3.34	2.80	21
1985	Dry	2.32	1.05	1.06	1.07	0.80	1.43	0.00	2.54	4.84	3.32	3.02	2.00	23
1986	Wet	1.42	1.14	1.77	0.74	0.66	1.08	1.40	1.96	2.52	3.99	3.19	2.68	23
1987	Dry	2.35	1.53	0.84	0.28	0.41	0.87	0.00	2.54	2.88	3.32	3.23	2.07	20
1988	Critical	2.20	1.95	1.24	1.68	1.50	1.76	2.20	2.77	3.08	4.64	3.19	2.46	29
1989	Dry	2.19	1.98	1.47	1.82	1.75	1.43	2.02	2.54	2.88	4.64	3.23	2.65	29
1990	Critical	1.61	0.92	1.77	1.71	1.50	1.76	2.20	2.77	3.08	3.32	3.22	2.84	27
1991	Critical	2.48	1.98	1.61	1.82	1.81	1.76	2.20	2.77	3.08	3.32	3.22	2.84	29
1992	Critical	2.48	1.98	1.35	1.82	1.81	1.76	2.20	2.77	3.08	4.64	3.22	2.84	30
1993	Above Normal	2.48	1.98	1.66	1.82	1.02	1.10	1.54	1.95	2.73	5.14	4.49	2.75	29
1994	Critical	2.44	1.67	0.98	0.59	1.05	1.13	0.14	2.77	3.08	3.32	2.81	2.26	22
1995	Wet	2.32	1.98	1.35	1.78	1.81	1.08	1.40	1.96	2.52	5.09	4.45	2.68	28
1996	Wet	2.35	1.53	1.10	0.84	0.69	1.00	0.00	1.96	4.21	3.25	3.34	2.80	23
1997	Wet	2.41	1.50	0.36	0.87	1.10	1.08	0.00	1.96	4.28	3.25	3.34	2.68	23
1998	Wet	1.77	0.93	0.66	0.38	0.68	1.08	0.00	1.96	2.52	4.32	3.34	2.79	20
1999	Wet	2.43	1.53	0.48	1.04	1.11	1.08	0.00	1.96	2.52	3.25	3.34	2.64	21
2000	Above Normal	2.16	1.30	1.57	0.49	0.67	1.10	0.00	1.95	4.43	4.67	3.38	2.75	24
2001	Dry	2.35	1.67	1.77	0.36	1.52	1.18	0.00	2.54	2.88	3.32	3.23	2.46	23
2002	Dry	1.18	1.95	0.78	1.71	1.52	1.43	0.76	2.54	2.88	4.24	3.23	2.42	25
2003	Above Normal	2.49	1.95	1.24	1.71	3.35	1.10	0.53	1.95	4.69	4.45	3.22	2.75	29
Average		2	1	1	1	1	1	1	2	3	4	3	3	24
Wet		2	1	1	1	1	1	0	2	3	4	4	3	23
Above Normal		2	1	1	1	1	1	0	2	4	4	4	3	25
Below Normal		2	2	1	1	1	1	1	2	4	4	3	3	25
Dry		2	1	1	1	1	1	1	3	3	4	3	2	24
Critical		2	2	1	1	1	1	2	3	3	3	3	3	26

Difference in Energy Use (GWh) At Pumping Plant at Contra Costa : CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1927	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1932	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1935	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1940	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1945	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1946	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1947	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1948	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1949	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1951	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1961	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1963	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1965	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1966	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Below Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Dry		0	0	0	0	0	0	0	0	0	0	0	0	0
Critical		0	0	0	0	0	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at Contra Costa : CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1923	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1924	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1925	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1926	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1927	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1928	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1929	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1930	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1931	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1932	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1933	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1934	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1935	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1936	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1937	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1938	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1940	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1942	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1944	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1945	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1946	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1947	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1948	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1949	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1950	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1951	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1955	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1956	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1958	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1960	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1961	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1962	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1963	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1964	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1965	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1966	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1968	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1969	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1972	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1973	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1977	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1978	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1979	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1980	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1982	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1986	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1987	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1988	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1989	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1990	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1992	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1993	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1995	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1998	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2001	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2002	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2003	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Average		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Wet		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Above Norma		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Below Norma		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Dry		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Critical		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Energy Use (GWh) At Pumping Plant at Corning: CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	0.18	0.00	0.00	0.00	0.00	0.04	1.02	1.11	1.25	1.33	0.96	0.54	6
1923	Below Normal	0.00	0.00	0.00	0.00	0.00	0.17	0.50	0.96	0.80	1.09	0.82	0.14	4
1924	Critical	0.11	0.02	0.00	0.00	0.00	0.01	0.03	0.03	0.04	0.04	0.03	0.01	0
1925	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.47	0.57	0.76	0.56	0.24	3
1926	Dry	0.09	0.00	0.00	0.00	0.00	0.02	0.07	0.25	0.33	0.35	0.24	0.14	1
1927	Wet	0.03	0.00	0.00	0.00	0.00	0.04	0.75	1.13	1.22	1.43	1.07	0.57	6
1928	Above Normal	0.04	0.00	0.00	0.00	0.00	0.00	0.35	0.86	0.89	0.96	0.72	0.38	4
1929	Critical	0.12	0.00	0.00	0.00	0.00	0.00	0.11	0.16	0.13	0.18	0.13	0.07	1
1930	Dry	0.03	0.01	0.00	0.00	0.00	0.00	0.18	0.33	0.43	0.47	0.35	0.16	2
1931	Critical	0.06	0.00	0.00	0.00	0.00	0.00	0.05	0.05	0.05	0.07	0.05	0.02	0
1932	Dry	0.01	0.00	0.00	0.00	0.00	0.01	0.12	0.13	0.18	0.20	0.15	0.08	1
1933	Critical	0.03	0.00	0.00	0.00	0.00	0.00	0.04	0.04	0.04	0.04	0.03	0.02	0
1934	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.12	0.13	0.15	0.11	0.06	1
1935	Below Normal	0.01	0.00	0.00	0.00	0.00	0.00	0.02	0.41	0.54	0.57	0.43	0.21	2
1936	Below Normal	0.02	0.00	0.00	0.00	0.00	0.00	0.24	0.61	0.55	0.78	0.59	0.27	3
1937	Below Normal	0.11	0.02	0.00	0.00	0.00	0.00	0.18	0.50	0.44	0.57	0.43	0.23	2
1938	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.43	1.25	1.41	1.50	1.12	0.47	6
1939	Dry	0.04	0.00	0.00	0.00	0.02	0.20	0.54	0.46	0.62	0.66	0.49	0.16	3
1940	Above Normal	0.06	0.01	0.00	0.00	0.00	0.00	0.61	1.01	1.39	1.52	1.14	0.57	6
1941	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.89	1.51	1.63	1.22	0.66	6
1942	Wet	0.07	0.00	0.00	0.00	0.00	0.00	0.24	0.93	1.45	1.61	1.21	0.63	6
1943	Wet	0.19	0.00	0.00	0.00	0.00	0.00	0.34	1.18	1.34	1.45	1.10	0.59	6
1944	Dry	0.17	0.00	0.00	0.00	0.00	0.03	0.29	0.51	0.56	0.65	0.49	0.26	3
1945	Below Normal	0.07	0.00	0.00	0.00	0.00	0.00	0.52	0.73	0.99	1.18	0.88	0.47	5
1946	Below Normal	0.00	0.00	0.00	0.00	0.00	0.03	0.85	1.06	1.13	1.17	0.90	0.48	6
1947	Dry	0.17	0.00	0.00	0.00	0.00	0.00	0.32	0.60	0.63	0.76	0.57	0.30	3
1948	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.83	1.31	1.74	1.31	0.57	6
1949	Dry	0.18	0.03	0.00	0.00	0.00	0.00	0.49	0.78	0.98	1.04	0.78	0.42	5
1950	Below Normal	0.16	0.00	0.00	0.00	0.00	0.01	0.36	0.48	0.50	0.56	0.41	0.21	3
1951	Above Normal	0.00	0.00	0.00	0.00	0.00	0.08	0.97	0.94	1.28	1.38	1.03	0.54	6
1952	Wet	0.04	0.00	0.00	0.00	0.00	0.00	0.53	1.24	1.12	1.44	1.11	0.80	6
1953	Wet	0.22	0.00	0.00	0.00	0.00	0.15	0.49	1.05	1.21	1.49	1.05	0.60	6
1954	Above Normal	0.15	0.00	0.00	0.00	0.00	0.00	0.41	1.31	1.28	1.57	0.89	0.61	6
1955	Dry	0.18	0.00	0.00	0.00	0.00	0.08	0.31	0.49	0.49	0.54	0.41	0.17	3
1956	Wet	0.07	0.00	0.00	0.00	0.00	0.15	0.92	0.66	1.23	1.46	1.10	0.53	6
1957	Above Normal	0.17	0.04	0.00	0.00	0.00	0.00	0.73	0.99	1.41	1.50	1.12	0.15	6
1958	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.32	0.88	1.33	1.55	1.26	0.66	6
1959	Below Normal	0.22	0.03	0.00	0.00	0.00	0.06	0.98	1.15	1.22	1.32	0.97	0.30	6
1960	Dry	0.21	0.04	0.00	0.00	0.00	0.00	0.12	0.31	0.39	0.41	0.31	0.16	2
1961	Dry	0.04	0.00	0.00	0.00	0.00	0.00	0.38	0.74	0.81	0.92	0.68	0.25	4
1962	Below Normal	0.13	0.00	0.00	0.00	0.00	0.00	0.58	1.05	1.08	1.31	0.96	0.49	6
1963	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.18	1.00	1.51	1.65	1.24	0.66	6
1964	Dry	0.02	0.00	0.00	0.00	0.00	0.05	0.51	0.51	0.49	0.59	0.41	0.17	3
1965	Wet	0.03	0.00	0.00	0.00	0.00	0.02	0.20	1.16	1.29	1.37	0.73	0.55	5
1966	Below Normal	0.22	0.00	0.00	0.00	0.00	0.04	0.91	1.16	1.20	1.28	0.94	0.52	6
1967	Wet	0.20	0.00	0.00	0.00	0.00	0.02	0.43	1.23	1.13	1.50	1.12	0.60	6
1968	Below Normal	0.22	0.00	0.00	0.00	0.00	0.02	0.78	1.06	1.09	1.25	0.62	0.50	6
1969	Wet	0.07	0.00	0.00	0.00	0.00	0.00	0.67	1.27	1.23	1.37	1.04	0.56	6
1970	Wet	0.08	0.02	0.00	0.00	0.00	0.00	0.54	0.89	0.74	0.99	0.74	0.40	4
1971	Wet	0.07	0.00	0.00	0.00	0.00	0.04	0.99	1.02	1.14	1.36	1.02	0.49	6
1972	Below Normal	0.20	0.00	0.00	0.00	0.00	0.23	0.76	0.75	0.88	0.97	0.72	0.25	5
1973	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.65	1.23	1.32	1.43	1.07	0.55	6
1974	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.48	1.31	1.39	1.26	1.14	0.61	6
1975	Wet	0.04	0.00	0.00	0.00	0.00	0.00	0.50	1.32	1.38	1.38	1.04	0.61	6
1976	Critical	0.00	0.00	0.00	0.00	0.02	0.09	0.17	0.25	0.26	0.28	0.17	0.08	1
1977	Critical	0.04	0.00	0.00	0.00	0.00	0.02	0.07	0.03	0.08	0.09	0.06	0.02	0
1978	Above Normal	0.01	0.00	0.00	0.00	0.00	0.00	0.19	1.16	1.44	1.55	1.16	0.51	6
1979	Below Normal	0.25	0.00	0.00	0.00	0.00	0.00	0.38	0.97	1.11	1.19	0.77	0.39	5
1980	Above Normal	0.02	0.00	0.00	0.00	0.00	0.00	0.62	1.08	1.10	1.51	1.15	0.60	6
1981	Dry	0.18	0.02	0.00	0.00	0.00	0.00	0.44	1.00	1.50	1.62	1.21	0.49	6
1982	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.51	1.42	1.18	1.57	1.21	0.35	6
1983	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.25	1.14	1.42	1.66	1.10	0.48	6
1984	Wet	0.19	0.00	0.00	0.00	0.00	0.02	0.86	1.24	1.26	1.38	0.92	0.53	6
1985	Dry	0.04	0.00	0.00	0.00	0.00	0.00	0.61	0.96	1.00	1.04	0.78	0.26	5
1986	Wet	0.06	0.00	0.00	0.00	0.00	0.00	0.30	0.63	0.95	1.02	0.76	0.13	4
1987	Dry	0.15	0.02	0.00	0.00	0.00	0.00	0.32	0.58	0.64	0.68	0.51	0.27	3
1988	Critical	0.08	0.00	0.00	0.00	0.00	0.04	0.18	0.18	0.22	0.28	0.21	0.11	1
1989	Dry	0.04	0.00	0.00	0.00	0.00	0.00	0.22	0.54	0.58	0.69	0.51	0.01	3
1990	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1991	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.18	0.21	0.23	0.17	0.09	1
1992	Critical	0.03	0.00	0.00	0.00	0.00	0.00	0.22	0.57	0.50	0.67	0.50	0.26	3
1993	Above Normal	0.02	0.01	0.00	0.00	0.00	0.00	0.56	0.81	1.17	1.70	1.22	0.69	6
1994	Critical	0.10	0.00	0.00	0.00	0.00	0.05	0.63	0.62	0.98	1.06	0.79	0.42	5
1995	Wet	0.14	0.00	0.00	0.00	0.00	0.00	0.41	0.86	1.30	1.57	1.18	0.63	6
1996	Wet	0.25	0.05	0.00	0.00	0.00	0.00	0.62	0.81	1.46	1.60	1.20	0.51	6
1997	Wet	0.05	0.00	0.00	0.00	0.00	0.04	0.98	1.07	1.01	1.31	0.86	0.46	6
1998	Wet	0.10	0.00	0.00	0.00	0.00	0.00	0.41	1.10	1.29	1.83	1.36	0.72	6
1999	Wet	0.15	0.00	0.00	0.00	0.00	0.00	0.53	1.28	1.19	1.44	1.02	0.58	6
2000	Above Normal	0.21	0.00	0.00	0.00	0.00	0.00	0.39	1.08	1.40	1.55	1.24	0.60	6
2001	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.47	0.46	0.55	0.41	0.19	2
2002	Dry	0.05	0.00	0.00	0.00	0.00	0.03	0.68	0.69	0.85	0.90	0.68	0.36	4
2003	Above Normal	0.14	0.00	0.00	0.00	0.00	0.00	0.25	0.89	1.60	1.70	1.12	0.69	6
Average		0	0	0	0	0	0	0	1	1	1	1	0	4
Wet		0	0	0	0	0	0	1	1	1	1	1	1	6
Above Normal		0	0	0	0	0	0	1	1	1	1	1	1	6
Below Normal		0	0	0	0	0	0	1	1	1	1	1	0	5
Dry		0	0	0	0	0	0	0	1	1	1	1	0	3
Critical		0	0	0	0	0	0	0	0	0	0	0	0	1

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Energy Use (GWh) At Pumping Plant at Corning: CP1_2020

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	0.18	0.00	0.00	0.00	0.00	0.04	1.02	1.11	1.25	1.33	0.96	0.54	6
1923	Below Normal	0.00	0.00	0.00	0.00	0.00	0.15	0.44	0.83	0.69	0.95	0.71	0.12	4
1924	Critical	0.10	0.01	0.00	0.00	0.00	0.01	0.03	0.03	0.04	0.04	0.03	0.01	0
1925	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.51	0.62	0.83	0.61	0.26	3
1926	Dry	0.09	0.00	0.00	0.00	0.00	0.02	0.08	0.30	0.40	0.43	0.29	0.17	2
1927	Wet	0.04	0.00	0.00	0.00	0.00	0.04	0.75	1.13	1.22	1.43	1.07	0.57	6
1928	Above Normal	0.04	0.00	0.00	0.00	0.00	0.00	0.34	0.84	0.87	0.94	0.70	0.37	4
1929	Critical	0.12	0.00	0.00	0.00	0.00	0.00	0.15	0.22	0.18	0.24	0.18	0.10	1
1930	Dry	0.03	0.01	0.00	0.00	0.00	0.00	0.19	0.33	0.44	0.47	0.35	0.16	2
1931	Critical	0.06	0.00	0.00	0.00	0.00	0.00	0.05	0.05	0.05	0.07	0.05	0.02	0
1932	Dry	0.01	0.00	0.00	0.00	0.00	0.02	0.14	0.14	0.20	0.22	0.16	0.09	1
1933	Critical	0.03	0.00	0.00	0.00	0.00	0.00	0.04	0.04	0.04	0.04	0.03	0.02	0
1934	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.13	0.14	0.15	0.11	0.06	1
1935	Below Normal	0.01	0.00	0.00	0.00	0.00	0.00	0.02	0.40	0.53	0.56	0.42	0.21	2
1936	Below Normal	0.02	0.00	0.00	0.00	0.00	0.00	0.23	0.59	0.53	0.75	0.57	0.26	3
1937	Below Normal	0.11	0.02	0.00	0.00	0.00	0.00	0.17	0.48	0.42	0.54	0.41	0.22	2
1938	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.43	1.25	1.41	1.50	1.12	0.47	6
1939	Dry	0.04	0.00	0.00	0.00	0.02	0.21	0.57	0.48	0.64	0.68	0.51	0.17	3
1940	Above Normal	0.06	0.01	0.00	0.00	0.00	0.00	0.61	1.01	1.39	1.52	1.14	0.57	6
1941	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.89	1.51	1.63	1.22	0.66	6
1942	Wet	0.07	0.00	0.00	0.00	0.00	0.00	0.24	0.93	1.45	1.61	1.21	0.63	6
1943	Wet	0.19	0.00	0.00	0.00	0.00	0.00	0.35	1.19	1.36	1.47	1.11	0.60	6
1944	Dry	0.17	0.00	0.00	0.00	0.00	0.03	0.32	0.56	0.62	0.73	0.54	0.29	3
1945	Below Normal	0.08	0.00	0.00	0.00	0.00	0.00	0.50	0.70	0.94	1.12	0.84	0.45	5
1946	Below Normal	0.00	0.00	0.00	0.00	0.00	0.03	0.92	1.15	1.22	1.26	0.97	0.52	6
1947	Dry	0.18	0.00	0.00	0.00	0.00	0.00	0.31	0.58	0.61	0.74	0.55	0.29	3
1948	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.77	1.21	1.62	1.22	0.53	5
1949	Dry	0.17	0.02	0.00	0.00	0.00	0.00	0.49	0.78	0.98	1.04	0.78	0.42	5
1950	Below Normal	0.16	0.00	0.00	0.00	0.00	0.01	0.38	0.50	0.53	0.58	0.44	0.22	3
1951	Above Normal	0.00	0.00	0.00	0.00	0.00	0.08	0.97	0.94	1.28	1.38	1.03	0.54	6
1952	Wet	0.04	0.00	0.00	0.00	0.00	0.00	0.53	1.24	1.12	1.44	1.11	0.60	6
1953	Wet	0.22	0.00	0.00	0.00	0.00	0.16	0.49	1.05	1.21	1.49	1.05	0.60	6
1954	Above Normal	0.15	0.00	0.00	0.00	0.00	0.00	0.41	1.31	1.28	1.57	0.89	0.61	6
1955	Dry	0.18	0.00	0.00	0.00	0.00	0.09	0.35	0.54	0.54	0.59	0.45	0.19	3
1956	Wet	0.08	0.00	0.00	0.00	0.00	0.15	0.92	0.66	1.23	1.46	1.10	0.53	6
1957	Above Normal	0.17	0.04	0.00	0.00	0.00	0.00	0.77	1.05	1.49	1.59	1.19	0.16	6
1958	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.32	0.88	1.33	1.55	1.26	0.66	6
1959	Below Normal	0.22	0.03	0.00	0.00	0.00	0.06	0.98	1.15	1.22	1.32	0.97	0.30	6
1960	Dry	0.21	0.04	0.00	0.00	0.00	0.00	0.13	0.33	0.41	0.43	0.32	0.17	2
1961	Dry	0.04	0.00	0.00	0.00	0.00	0.00	0.40	0.78	0.86	0.97	0.72	0.27	4
1962	Below Normal	0.14	0.00	0.00	0.00	0.00	0.00	0.67	1.20	1.24	1.49	1.10	0.55	6
1963	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.18	1.00	1.51	1.65	1.24	0.66	6
1964	Dry	0.02	0.00	0.00	0.00	0.00	0.05	0.55	0.55	0.52	0.64	0.44	0.18	3
1965	Wet	0.04	0.00	0.00	0.00	0.00	0.02	0.20	1.27	1.41	1.50	0.80	0.60	6
1966	Below Normal	0.24	0.00	0.00	0.00	0.00	0.04	0.91	1.16	1.20	1.28	0.94	0.52	6
1967	Wet	0.20	0.00	0.00	0.00	0.00	0.02	0.43	1.23	1.13	1.50	1.12	0.60	6
1968	Below Normal	0.22	0.00	0.00	0.00	0.00	0.02	0.86	1.17	1.20	1.38	0.68	0.56	6
1969	Wet	0.08	0.00	0.00	0.00	0.00	0.00	0.67	1.27	1.23	1.37	1.04	0.56	6
1970	Wet	0.08	0.02	0.00	0.00	0.00	0.00	0.58	0.96	0.79	1.06	0.79	0.43	5
1971	Wet	0.08	0.00	0.00	0.00	0.00	0.04	0.99	1.02	1.14	1.36	1.02	0.49	6
1972	Below Normal	0.20	0.00	0.00	0.00	0.00	0.26	0.85	0.84	0.99	1.08	0.81	0.28	5
1973	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.65	1.23	1.32	1.43	1.07	0.55	6
1974	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.48	1.31	1.39	1.26	1.14	0.61	6
1975	Wet	0.04	0.00	0.00	0.00	0.00	0.00	0.50	1.32	1.38	1.38	1.04	0.61	6
1976	Critical	0.00	0.00	0.00	0.00	0.02	0.08	0.15	0.22	0.23	0.24	0.15	0.07	1
1977	Critical	0.04	0.00	0.00	0.00	0.00	0.02	0.07	0.03	0.08	0.09	0.06	0.02	0
1978	Above Normal	0.01	0.00	0.00	0.00	0.00	0.00	0.19	1.16	1.44	1.55	1.16	0.51	6
1979	Below Normal	0.25	0.00	0.00	0.00	0.00	0.00	0.36	0.93	1.07	1.13	0.74	0.38	5
1980	Above Normal	0.02	0.00	0.00	0.00	0.00	0.00	0.62	1.08	1.10	1.51	1.15	0.60	6
1981	Dry	0.18	0.02	0.00	0.00	0.00	0.00	0.44	1.00	1.50	1.62	1.21	0.49	6
1982	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.51	1.42	1.18	1.57	1.21	0.35	6
1983	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.25	1.14	1.42	1.66	1.10	0.48	6
1984	Wet	0.19	0.00	0.00	0.00	0.00	0.02	0.86	1.24	1.26	1.38	0.92	0.53	6
1985	Dry	0.04	0.00	0.00	0.00	0.00	0.00	0.69	1.09	1.13	1.17	0.89	0.29	5
1986	Wet	0.07	0.00	0.00	0.00	0.00	0.00	0.32	0.68	1.02	1.10	0.83	0.14	4
1987	Dry	0.16	0.02	0.00	0.00	0.00	0.00	0.30	0.55	0.60	0.64	0.48	0.26	3
1988	Critical	0.07	0.00	0.00	0.00	0.00	0.05	0.20	0.20	0.24	0.31	0.23	0.12	1
1989	Dry	0.04	0.00	0.00	0.00	0.00	0.00	0.24	0.58	0.62	0.74	0.55	0.01	3
1990	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1991	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.21	0.24	0.27	0.20	0.11	1
1992	Critical	0.04	0.00	0.00	0.00	0.00	0.00	0.23	0.59	0.51	0.69	0.51	0.27	3
1993	Above Normal	0.02	0.01	0.00	0.00	0.00	0.00	0.56	0.81	1.17	1.70	1.22	0.69	6
1994	Critical	0.10	0.00	0.00	0.00	0.00	0.05	0.63	0.62	0.98	1.06	0.79	0.42	5
1995	Wet	0.14	0.00	0.00	0.00	0.00	0.00	0.41	0.86	1.30	1.57	1.18	0.63	6
1996	Wet	0.25	0.05	0.00	0.00	0.00	0.00	0.62	0.81	1.46	1.60	1.20	0.51	6
1997	Wet	0.05	0.00	0.00	0.00	0.00	0.04	1.06	1.15	1.08	1.41	0.93	0.49	6
1998	Wet	0.10	0.00	0.00	0.00	0.00	0.00	0.41	0.10	1.29	1.83	1.36	0.72	6
1999	Wet	0.15	0.00	0.00	0.00	0.00	0.00	0.53	1.28	1.19	1.44	1.02	0.58	6
2000	Above Normal	0.21	0.00	0.00	0.00	0.00	0.00	0.39	1.08	1.40	1.55	1.24	0.60	6
2001	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.55	0.54	0.64	0.48	0.22	3
2002	Dry	0.05	0.00	0.00	0.00	0.00	0.03	0.79	0.79	0.98	1.04	0.78	0.42	5
2003	Above Normal	0.16	0.00	0.00	0.00	0.00	0.00	0.25	0.89	1.60	1.70	1.12	0.69	6
Average		0	0	0	0	0	0	0	1	1	1	1	0	5
Wet		0	0	0	0	0	0	1	1	1	1	1	1	6
Above Normal		0	0	0	0	0	0	1	1	1	1	1	1	6
Below Normal		0	0	0	0	0	0	1	1	1	1	1	0	5
Dry		0	0	0	0	0	0	0	1	1	1	1	0	3
Critical		0	0	0	0	0	0	0	0	0	0	0	0	1

Difference in Energy Use (GWh) At Pumping Plant at Corning: CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1927	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1932	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1935	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1940	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1945	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1946	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1947	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1948	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1949	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1951	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1961	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1963	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1965	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1966	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Below Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Dry		0	0	0	0	0	0	0	0	0	0	0	0	0
Critical		0	0	0	0	0	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at Corning: CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1923	Below Norma -	-	-	-	-	-	-13%	-13%	-13%	-13%	-13%	-13%	-13%
1924	Critical	-13%	-13%	-	-	-	0%	0%	0%	0%	0%	0%	0%
1925	Dry	-	-	-	-	-	-	7%	8%	8%	8%	8%	8%
1926	Dry	8%	-	-	-	-	20%	20%	20%	20%	20%	20%	20%
1927	Wet	20%	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1928	Above Norma	0%	-	-	-	-	-	-2%	-2%	-2%	-2%	-2%	-2%
1929	Critical	-2%	-	-	-	-	37%	37%	37%	37%	37%	37%	37%
1930	Dry	37%	37%	-	-	-	-	2%	2%	2%	2%	2%	2%
1931	Critical	2%	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1932	Dry	0%	-	-	-	-	12%	12%	12%	12%	12%	12%	12%
1933	Critical	12%	12%	-	-	-	0%	0%	0%	0%	0%	0%	0%
1934	Critical	0%	0%	-	-	-	3%	3%	3%	3%	3%	3%	3%
1935	Below Norma	3%	-	-	-	-	-	-9%	-1%	-1%	-1%	-1%	-1%
1936	Below Norma	-1%	-	-	-	-	-	-4%	-4%	-4%	-4%	-4%	-4%
1937	Below Norma	-4%	-4%	-	-	-	-	-3%	-5%	-5%	-5%	-5%	-5%
1938	Wet	-	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1939	Dry	0%	-	-	-	0%	7%	4%	4%	4%	4%	4%	4%
1940	Above Norma	4%	4%	-	-	-	-	0%	0%	0%	0%	0%	0%
1941	Wet	-	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1942	Wet	0%	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1943	Wet	0%	-	-	-	-	-	1%	1%	1%	1%	1%	1%
1944	Dry	1%	-	-	-	-	11%	11%	11%	11%	11%	11%	11%
1945	Below Norma	11%	-	-	-	-	-	-5%	-5%	-5%	-5%	-5%	-5%
1946	Below Norma -	-	-	-	-	-	9%	8%	8%	8%	8%	8%	8%
1947	Dry	8%	-	-	-	-	-	-3%	-3%	-3%	-3%	-3%	-3%
1948	Below Norma -	-	-	-	-	-	-	3%	-7%	-7%	-7%	-7%	-7%
1949	Dry	-6%	-6%	-	-	-	-	0%	0%	0%	0%	0%	0%
1950	Below Norma	0%	-	-	-	-	2%	5%	5%	5%	5%	5%	5%
1951	Above Norma -	-	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1953	Wet	0%	-	-	-	-	10%	0%	0%	0%	0%	0%	0%
1954	Above Norma	0%	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1955	Dry	0%	-	-	-	-	10%	10%	10%	10%	10%	10%	10%
1956	Wet	10%	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1957	Above Norma	0%	0%	-	-	-	-	6%	6%	6%	6%	6%	6%
1958	Wet	-	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	-	-	-	0%	0%	0%	0%	0%	0%	0%
1960	Dry	0%	0%	-	-	-	-	6%	6%	6%	6%	6%	6%
1961	Dry	6%	-	-	-	-	-	5%	5%	5%	5%	5%	5%
1962	Below Norma	5%	-	-	-	-	-	14%	14%	14%	14%	14%	14%
1963	Wet	-	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1964	Dry	0%	-	-	-	-	7%	7%	7%	7%	7%	7%	7%
1965	Wet	7%	-	-	-	-	2%	2%	9%	9%	9%	9%	9%
1966	Below Norma	9%	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1968	Below Norma	0%	-	-	-	-	10%	10%	10%	10%	10%	10%	10%
1969	Wet	10%	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	-	-	-	-	7%	7%	7%	7%	7%	7%
1971	Wet	7%	-	-	-	-	4%	0%	0%	0%	0%	0%	0%
1972	Below Norma	0%	-	-	-	-	12%	12%	12%	12%	12%	12%	12%
1973	Above Norma -	-	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1974	Wet	-	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1975	Wet	0%	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1976	Critical	-	-	-	-	0%	-12%	-12%	-12%	-12%	-12%	-12%	-12%
1977	Critical	-12%	-12%	-	-	-	0%	0%	0%	0%	0%	0%	0%
1978	Above Norma	0%	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1979	Below Norma	0%	-	-	-	-	-	-4%	-4%	-4%	-4%	-4%	-4%
1980	Above Norma	-4%	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	-	-	-	-	0%	0%	0%	0%	0%	0%
1982	Wet	-	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1983	Wet	-	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1984	Wet	0%	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	-	-	-	-	-	13%	13%	13%	13%	13%	13%
1986	Wet	13%	-	-	-	-	-	8%	8%	8%	8%	8%	8%
1987	Dry	8%	8%	-	-	-	-	-5%	-5%	-5%	-5%	-5%	-5%
1988	Critical	-5%	-	-	-	-	10%	10%	10%	10%	10%	10%	10%
1989	Dry	10%	-	-	-	-	-	7%	7%	7%	7%	7%	7%
1990	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1991	Critical	-	-	-	-	-	-	15%	15%	15%	15%	15%	15%
1992	Critical	15%	15%	-	-	-	-	3%	3%	3%	3%	3%	3%
1993	Above Norma	3%	3%	-	-	-	-	0%	0%	0%	0%	0%	0%
1994	Critical	0%	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1995	Wet	0%	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	-	-	-	-	0%	0%	0%	0%	0%	0%
1997	Wet	0%	-	-	-	-	7%	7%	7%	7%	7%	7%	7%
1998	Wet	7%	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1999	Wet	0%	-	-	-	-	-	0%	0%	0%	0%	0%	0%
2000	Above Norma	0%	-	-	-	-	-	0%	0%	0%	0%	0%	0%
2001	Dry	-	-	-	-	-	-	17%	17%	17%	17%	17%	17%
2002	Dry	17%	-	-	-	-	9%	15%	15%	15%	15%	15%	15%
2003	Above Norma	15%	-	-	-	-	-	0%	0%	0%	0%	0%	0%
Average		3%	3%	#DIV/0!	#DIV/0!	0%	5%	3%	3%	3%	3%	3%	3%
Wet		3%	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%	1%
Above Norma		2%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Below Norma		2%	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%	1%
Dry		5%	2%	0%	0%	0%	4%	7%	7%	7%	7%	7%	7%
Critical		0%	0%	0%	0%	0%	3%	5%	5%	5%	5%	5%	5%

Energy Use (GWh) At Pumping Plant at CVP Banks: CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.39	0.00	15
1923	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	0.00	0.00	4
1924	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1925	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1926	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1927	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.17	0.00	9
1928	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.65	0.00	6
1929	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1930	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1931	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1932	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1933	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1934	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1935	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1936	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1937	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1938	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.39	0.00	15
1939	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1940	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
1941	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.39	0.00	15
1942	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.39	0.00	15
1943	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.39	0.00	15
1944	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1945	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.08	0.00	0.00	3
1946	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.45	0.00	4
1947	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1948	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.30	0.00	0.00	1
1949	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.33	0.00	0.00	2
1950	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.56	0.00	1
1951	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
1952	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.39	0.00	15
1953	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.39	0.00	15
1954	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
1955	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1956	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.39	0.00	15
1957	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.68	0.00	6
1958	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.39	0.00	15
1959	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1960	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1961	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
1962	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.38	0.00	6
1963	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
1964	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1965	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.57	10.39	0.00	12
1966	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
1967	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.39	0.00	15
1968	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1969	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.39	0.00	15
1970	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
1971	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.10	0.00	10
1972	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
1973	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.00	0
1974	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.39	0.00	15
1975	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.49	10.39	0.00	13
1976	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1977	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1978	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
1979	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1980	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.39	0.00	15
1981	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.83	8.57	0.00	11
1982	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.39	0.00	15
1983	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.09	0.00	15
1984	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
1985	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	6.27	0.00	11
1986	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
1987	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1988	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1989	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1990	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1991	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1992	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1993	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1994	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.37	9.31	0.00	13
1995	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
1996	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.39	0.00	15
1997	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.52	0.00	7
1998	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
1999	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
2000	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
2001	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
2002	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.90	0.00	0.00	3
2003	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
Average		0	0	0	0	0	0	0	0	0	1	5	0	6
Wet		0	0	0	0	0	0	0	0	0	3	10	0	13
Above Normal		0	0	0	0	0	0	0	0	0	1	8	0	9
Below Normal		0	0	0	0	0	0	0	0	0	1	2	0	3
Dry		0	0	0	0	0	0	0	0	0	1	1	0	2
Critical		0	0	0	0	0	0	0	0	0	0	1	0	1

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Energy Use (GWh) At Pumping Plant at CVP Banks: CP1_2020

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.39	0.00	15
1923	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1924	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1925	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1926	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1927	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.39	0.00	15
1928	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1929	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1930	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1931	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1932	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1933	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1934	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1935	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1936	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1937	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1938	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.39	0.00	15
1939	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1940	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
1941	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.39	0.00	15
1942	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.39	0.00	15
1943	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.39	0.00	15
1944	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1945	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.98	0.00	0.00	3
1946	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1947	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1948	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.40	6.44	0.00	10
1949	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.33	0.00	0.00	2
1950	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1951	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
1952	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.39	0.00	15
1953	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.39	0.00	15
1954	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
1955	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1956	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.39	0.00	15
1957	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
1958	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.39	0.00	15
1959	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1960	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1961	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.38	0.00	0.00	2
1962	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
1963	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
1964	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1965	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.39	0.00	15
1966	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
1967	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.39	0.00	15
1968	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1969	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.39	0.00	15
1970	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
1971	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.99	0.00	10
1972	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
1973	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.55	0.00	1
1974	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.39	0.00	15
1975	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.62	10.39	0.00	12
1976	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1977	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1978	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
1979	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1980	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.39	0.00	15
1981	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.87	7.90	0.00	11
1982	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.39	0.00	15
1983	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.09	0.00	15
1984	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
1985	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.39	0.00	15
1986	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
1987	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1988	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1989	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1990	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1991	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1992	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1993	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1994	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.48	10.39	0.00	14
1995	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
1996	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.39	0.00	15
1997	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.09	0.00	7
1998	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
1999	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
2000	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
2001	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
2002	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.07	7.32	0.00	10
2003	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
Average		0	0	0	0	0	0	0	0	0	1	5	0	7
Wet		0	0	0	0	0	0	0	0	0	3	10	0	13
Above Normal		0	0	0	0	0	0	0	0	0	1	8	0	9
Below Normal		0	0	0	0	0	0	0	0	0	1	3	0	3
Dry		0	0	0	0	0	0	0	0	0	1	1	0	2
Critical		0	0	0	0	0	0	0	0	0	0	1	0	1

Difference in Energy Use (GWh) At Pumping Plant at CVP Banks: CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	0	0	-4	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1927	Wet	0	0	0	0	0	0	0	0	0	4	1	0	0
1928	Above Norma	0	0	0	0	0	0	0	0	0	0	-6	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1932	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1935	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1940	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1945	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1946	Below Norma	0	0	0	0	0	0	0	0	0	0	-4	0	0
1947	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1948	Below Norma	0	0	0	0	0	0	0	0	0	2	6	0	1
1949	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Norma	0	0	0	0	0	0	0	0	0	0	-1	0	0
1951	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	5	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1961	Dry	0	0	0	0	0	0	0	0	0	2	-10	0	-1
1962	Below Norma	0	0	0	0	0	0	0	0	0	0	4	0	0
1963	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1965	Wet	0	0	0	0	0	0	0	0	0	3	0	0	0
1966	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	-1	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	-1	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	4	0	0
1986	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	1	0	0
1995	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	1	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	7	0	1
2003	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Below Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Dry		0	0	0	0	0	0	0	0	0	0	0	0	0
Critical		0	0	0	0	0	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at CVP Banks: CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma-	-	-	-	-	-	-	-	-	-	0%	0%	-
1923	Below Norma-	-	-	-	-	-	-	-	-	-	-100%	-	-
1924	Critical	-	-	-	-	-	-	-	-	-	178%	-100%	-
1925	Dry	-	-	-	-	-	-	-	-	-	-	-100%	-
1926	Dry	-	-	-	-	-	-	-	-	-	-	-	-
1927	Wet	-	-	-	-	-	-	-	-	-	-	13%	-
1928	Above Norma-	-	-	-	-	-	-	-	-	-	-100%	-100%	-
1929	Critical	-	-	-	-	-	-	-	-	-	-100%	-35%	-
1930	Dry	-	-	-	-	-	-	-	-	-	-	-57%	-
1931	Critical	-	-	-	-	-	-	-	-	-	-100%	-17%	-
1932	Dry	-	-	-	-	-	-	-	-	-	-	-100%	-
1933	Critical	-	-	-	-	-	-	-	-	-	-100%	200%	-
1934	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1935	Below Norma-	-	-	-	-	-	-	-	-	-	227%	-	-
1936	Below Norma-	-	-	-	-	-	-	-	-	-	-	-100%	-
1937	Below Norma-	-	-	-	-	-	-	-	-	-	-	-37%	-
1938	Wet	-	-	-	-	-	-	-	-	-	0%	0%	-
1939	Dry	-	-	-	-	-	-	-	-	-	-	-	-
1940	Above Norma-	-	-	-	-	-	-	-	-	-	-	0%	-
1941	Wet	-	-	-	-	-	-	-	-	-	0%	0%	-
1942	Wet	-	-	-	-	-	-	-	-	-	0%	0%	-
1943	Wet	-	-	-	-	-	-	-	-	-	0%	0%	-
1944	Dry	-	-	-	-	-	-	-	-	-	-	-	-
1945	Below Norma-	-	-	-	-	-	-	-	-	-	-3%	-	-
1946	Below Norma-	-	-	-	-	-	-	-	-	-	-100%	-100%	-
1947	Dry	-	-	-	-	-	-	-	-	-	733%	-	-
1948	Below Norma-	-	-	-	-	-	-	-	-	-	161%	-	-
1949	Dry	-	-	-	-	-	-	-	-	-	0%	-	-
1950	Below Norma-	-	-	-	-	-	-	-	-	-	-100%	-100%	-
1951	Above Norma-	-	-	-	-	-	-	-	-	-	-100%	0%	-
1952	Wet	-	-	-	-	-	-	-	-	-	0%	0%	-
1953	Wet	-	-	-	-	-	-	-	-	-	0%	0%	-
1954	Above Norma-	-	-	-	-	-	-	-	-	-	-	0%	-
1955	Dry	-	-	-	-	-	-	-	-	-	-40%	-	-
1956	Wet	-	-	-	-	-	-	-	-	-	0%	0%	-
1957	Above Norma-	-	-	-	-	-	-	-	-	-	63%	83%	-
1958	Wet	-	-	-	-	-	-	-	-	-	0%	0%	-
1959	Below Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1960	Dry	-	-	-	-	-	-	-	-	-	-	-73%	-
1961	Dry	-	-	-	-	-	-	-	-	-	98516078%	-100%	-
1962	Below Norma-	-	-	-	-	-	-	-	-	-	-100%	63%	-
1963	Wet	-	-	-	-	-	-	-	-	-	-	0%	-
1964	Dry	-	-	-	-	-	-	-	-	-	-	-87%	-
1965	Wet	-	-	-	-	-	-	-	-	-	183%	0%	-
1966	Below Norma-	-	-	-	-	-	-	-	-	-	-	0%	-
1967	Wet	-	-	-	-	-	-	-	-	-	0%	0%	-
1968	Below Norma-	-	-	-	-	-	-	-	-	-	0%	-	-
1969	Wet	-	-	-	-	-	-	-	-	-	0%	0%	-
1970	Wet	-	-	-	-	-	-	-	-	-	-	0%	-
1971	Wet	-	-	-	-	-	-	-	-	-	-	-1%	-
1972	Below Norma-	-	-	-	-	-	-	-	-	-	-	0%	-
1973	Above Norma-	-	-	-	-	-	-	-	-	-	133%	114%	-
1974	Wet	-	-	-	-	-	-	-	-	-	0%	0%	-
1975	Wet	-	-	-	-	-	-	-	-	-	-35%	0%	-
1976	Critical	-	-	-	-	-	-	-	-	-	-52%	-100%	-
1977	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1978	Above Norma-	-	-	-	-	-	-	-	-	-	-59%	0%	-
1979	Below Norma-	-	-	-	-	-	-	-	-	-	-	-50%	-
1980	Above Norma-	-	-	-	-	-	-	-	-	-	0%	0%	-
1981	Dry	-	-	-	-	-	-	-	-	-	1%	-8%	-
1982	Wet	-	-	-	-	-	-	-	-	-	0%	0%	-
1983	Wet	-	-	-	-	-	-	-	-	-	0%	0%	-
1984	Wet	-	-	-	-	-	-	-	-	-	-79%	0%	-
1985	Dry	-	-	-	-	-	-	-	-	-	0%	66%	-
1986	Wet	-	-	-	-	-	-	-	-	-	-100%	0%	-
1987	Dry	-	-	-	-	-	-	-	-	-	-55%	-	-
1988	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1989	Dry	-	-	-	-	-	-	-	-	-	-	-	-
1990	Critical	-	-	-	-	-	-	-	-	-	-	-100%	-
1991	Critical	-	-	-	-	-	-	-	-	-	-100%	-	-
1992	Critical	-	-	-	-	-	-	-	-	-	-48%	25%	-
1993	Above Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Critical	-	-	-	-	-	-	-	-	-	3%	12%	-
1995	Wet	-	-	-	-	-	-	-	-	-	-	0%	-
1996	Wet	-	-	-	-	-	-	-	-	-	0%	0%	-
1997	Wet	-	-	-	-	-	-	-	-	-	-	9%	-
1998	Wet	-	-	-	-	-	-	-	-	-	-	0%	-
1999	Wet	-	-	-	-	-	-	-	-	-	-100%	0%	-
2000	Above Norma-	-	-	-	-	-	-	-	-	-	-	0%	-
2001	Dry	-	-	-	-	-	-	-	-	-	86%	-100%	-
2002	Dry	-	-	-	-	-	-	-	-	-	6%	-	-
2003	Above Norma-	-	-	-	-	-	-	-	-	-	-100%	0%	-
Average		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	1894542%	-14%	#DIV/0!
Wet		0%	0%	0%	0%	0%	0%	0%	0%	0%	-5%	1%	0%
Above Norma		0%	0%	0%	0%	0%	0%	0%	0%	0%	-14%	8%	0%
Below Norma		0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	-23%	0%
Dry		0%	0%	0%	0%	0%	0%	0%	0%	0%	5473156%	-31%	0%
Critical		0%	0%	0%	0%	0%	0%	0%	0%	0%	-27%	-10%	0%

Energy Use (GWh) At Pumping Plant at CVP Dos Amigos: CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	4.97	4.39	7.27	12.33	12.86	8.37	8.90	14.86	26.26	31.74	21.98	5.48	159
1923	Below Normal	4.23	3.72	6.12	10.33	10.79	7.58	8.17	13.29	23.44	28.32	19.65	4.95	141
1924	Critical	3.81	3.33	5.47	9.19	9.62	0.83	1.06	1.55	2.44	2.87	2.26	0.85	43
1925	Dry	0.60	0.43	0.56	0.74	0.90	4.06	4.71	8.73	15.29	18.45	12.89	3.34	71
1926	Dry	2.55	2.20	3.55	5.91	6.24	2.82	3.31	4.89	8.41	10.11	7.21	2.03	59
1927	Wet	1.53	1.27	1.96	3.14	3.38	7.48	8.17	13.01	22.95	27.73	19.25	4.85	115
1928	Above Normal	3.74	3.27	5.35	9.00	9.42	5.81	8.17	12.43	21.91	26.48	18.39	4.64	129
1929	Critical	3.57	3.12	5.11	8.58	8.99	1.83	2.20	3.24	5.45	6.52	4.75	1.45	55
1930	Dry	1.07	0.85	1.26	1.95	2.15	3.46	4.27	6.32	10.98	13.22	9.33	2.53	57
1931	Critical	1.92	1.62	2.56	4.18	4.44	1.03	1.29	1.89	3.04	3.61	2.76	0.97	29
1932	Dry	0.70	0.52	0.70	0.98	1.15	1.96	2.34	3.44	5.82	6.98	5.06	1.52	31
1933	Critical	1.13	0.91	1.35	2.10	2.30	0.87	1.11	1.62	2.55	3.02	2.35	0.87	20
1934	Critical	0.62	0.45	0.58	0.78	0.94	1.60	1.94	2.85	4.76	5.69	4.18	1.31	26
1935	Below Normal	0.96	0.76	1.10	1.67	1.86	0.54	1.91	7.03	12.24	14.76	10.38	2.76	56
1936	Below Normal	2.10	1.79	2.85	4.68	4.97	5.54	6.39	9.48	16.64	20.09	14.01	3.60	92
1937	Below Normal	2.75	2.39	3.87	6.45	6.80	2.58	4.79	7.32	12.76	15.38	10.81	2.86	79
1938	Wet	2.18	1.86	2.97	4.89	5.18	10.38	11.46	17.63	31.24	37.77	26.09	6.43	158
1939	Dry	4.97	4.39	7.27	12.33	12.86	4.62	6.50	9.65	16.94	20.45	14.26	3.66	118
1940	Above Normal	2.80	2.43	3.94	6.58	6.92	5.80	7.18	11.51	20.27	24.48	17.02	4.32	113
1941	Wet	3.32	2.89	4.72	7.92	8.30	7.58	8.17	15.15	26.79	32.39	22.42	5.59	145
1942	Wet	4.31	3.79	6.24	10.54	11.01	8.25	8.98	14.26	25.20	30.45	21.10	5.28	149
1943	Wet	4.08	3.57	5.88	9.90	10.35	8.95	9.32	16.30	28.84	34.87	24.11	5.97	162
1944	Dry	4.61	4.07	6.72	11.37	11.87	5.04	5.82	8.63	15.12	18.24	12.75	3.31	108
1945	Below Normal	2.53	2.18	3.51	5.84	6.16	6.17	8.17	13.53	23.88	28.85	20.01	5.03	126
1946	Below Normal	3.88	3.40	5.57	9.37	9.80	6.51	7.53	11.70	20.60	24.89	17.30	4.38	125
1947	Dry	3.37	2.94	4.80	8.05	8.44	3.76	6.37	9.46	16.61	20.04	13.98	3.59	101
1948	Below Normal	2.75	2.38	3.86	6.44	6.78	2.01	5.31	12.34	21.76	26.28	18.25	4.61	113
1949	Dry	3.55	3.10	5.07	8.51	8.92	3.05	8.17	12.33	21.74	26.26	18.24	4.61	124
1950	Below Normal	3.55	3.10	5.07	8.51	8.91	3.53	5.22	7.74	13.52	16.30	11.43	3.01	90
1951	Above Normal	2.29	1.96	3.15	5.20	5.50	7.58	8.17	13.60	24.00	29.00	17.37	5.06	123
1952	Wet	3.90	3.41	5.60	9.42	9.85	8.97	10.78	17.63	31.24	37.77	26.09	6.43	171
1953	Wet	4.97	4.39	7.27	12.33	12.86	7.57	7.57	12.76	22.50	27.18	18.87	4.76	143
1954	Above Normal	3.67	3.20	5.25	8.81	9.23	7.58	8.17	12.99	22.92	27.70	19.22	4.84	134
1955	Dry	3.73	3.26	5.35	8.98	9.41	4.58	5.31	7.87	13.75	16.59	11.63	3.05	94
1956	Wet	2.33	1.99	3.20	5.29	5.60	8.28	8.41	13.33	23.53	28.43	19.72	4.96	125
1957	Above Normal	3.83	3.35	5.49	9.23	9.66	7.58	8.17	13.75	24.27	29.33	20.34	5.11	140
1958	Wet	3.94	3.45	5.66	9.53	9.97	8.06	9.23	17.63	31.24	37.77	26.09	6.43	169
1959	Below Normal	4.97	4.39	7.27	12.33	12.86	7.30	8.16	12.71	22.41	27.07	18.80	4.74	143
1960	Dry	3.65	3.19	5.23	8.78	9.19	1.52	3.83	5.67	9.80	11.80	8.36	2.30	73
1961	Dry	1.74	1.46	2.29	3.70	3.96	4.16	7.70	11.44	20.15	24.33	16.92	4.29	102
1962	Below Normal	3.30	2.88	4.69	7.87	8.25	5.93	7.27	11.59	20.41	24.65	17.14	4.35	118
1963	Wet	3.34	2.91	4.75	7.97	8.36	7.58	8.16	13.98	24.69	29.84	20.68	5.19	137
1964	Dry	4.00	3.51	5.76	9.69	10.14	4.89	5.65	8.39	14.69	17.72	12.40	3.23	100
1965	Wet	2.46	2.12	3.41	5.67	5.98	6.05	6.96	13.20	23.29	28.14	19.53	4.92	122
1966	Below Normal	3.79	3.31	5.43	9.13	9.56	7.58	8.17	13.02	22.96	27.74	19.25	4.85	135
1967	Wet	3.74	3.27	5.36	9.00	9.42	9.38	11.38	17.63	31.24	37.77	26.09	6.43	171
1968	Below Normal	4.97	4.39	7.27	12.33	12.86	7.58	8.17	12.93	22.80	27.55	19.12	4.82	145
1969	Wet	3.71	3.25	5.32	8.94	9.36	10.38	11.86	17.63	31.24	37.77	26.09	6.43	172
1970	Wet	4.97	4.39	7.27	12.33	12.86	6.76	8.17	12.65	22.31	26.96	18.72	4.72	142
1971	Wet	3.64	3.18	5.20	8.74	9.15	6.51	7.89	12.59	22.20	26.82	18.62	4.70	129
1972	Below Normal	3.62	3.16	5.18	8.69	9.10	7.58	8.17	12.32	21.71	26.23	18.22	4.60	129
1973	Above Normal	3.54	3.09	5.06	8.50	8.90	6.87	8.17	13.21	23.30	28.16	19.54	4.92	133
1974	Wet	3.79	3.32	5.44	9.14	9.56	8.15	8.87	15.09	26.67	32.24	22.32	5.56	150
1975	Wet	4.29	3.77	6.22	10.49	10.96	7.14	8.17	13.02	22.97	27.75	19.26	4.85	139
1976	Critical	3.74	3.27	5.36	9.00	9.43	2.68	3.15	4.66	8.00	9.61	6.87	1.95	68
1977	Critical	1.47	1.21	1.86	2.98	3.21	1.16	1.43	2.09	3.40	4.05	3.06	1.04	27
1978	Above Normal	0.75	0.57	0.78	1.13	1.30	7.80	10.17	17.63	31.24	37.77	26.09	6.43	142
1979	Below Normal	4.97	4.39	7.27	12.33	12.86	6.48	8.26	12.91	22.77	27.51	19.09	4.81	144
1980	Above Normal	3.71	3.24	5.31	8.92	9.34	9.34	9.68	15.79	27.93	33.76	23.36	5.80	156
1981	Dry	4.48	3.94	6.51	11.00	11.49	7.52	8.17	13.77	24.31	29.38	20.37	5.12	146
1982	Wet	3.94	3.45	5.67	9.54	9.98	8.57	10.45	17.63	31.24	37.77	26.09	6.43	171
1983	Wet	4.97	4.39	7.27	12.33	12.86	10.38	11.86	17.63	31.24	37.77	26.09	6.43	183
1984	Wet	4.97	4.39	7.27	12.33	12.86	7.59	8.17	12.76	22.50	27.18	18.87	4.76	144
1985	Dry	3.67	3.20	5.25	8.81	9.23	5.89	7.62	12.50	22.04	26.63	18.49	4.67	128
1986	Wet	3.59	3.14	5.14	8.63	9.04	6.11	7.77	11.53	20.31	24.53	17.05	4.33	121
1987	Dry	3.33	2.90	4.73	7.93	8.32	2.91	6.19	9.19	16.12	19.45	13.58	3.50	98
1988	Critical	2.67	2.31	3.74	6.24	6.58	2.53	2.98	4.41	7.54	9.06	6.49	1.86	56
1989	Dry	1.40	1.15	1.76	2.79	3.02	0.54	5.28	7.84	13.69	16.51	11.57	3.04	69
1990	Critical	2.32	1.99	3.18	5.27	5.57	0.54	0.72	1.05	1.54	1.78	1.51	0.67	26
1991	Critical	0.46	0.31	0.34	0.37	0.52	1.85	2.55	3.76	6.38	7.66	5.53	1.63	31
1992	Critical	1.22	0.98	1.48	2.33	2.54	2.81	5.63	8.35	14.61	17.63	12.34	3.21	73
1993	Above Normal	2.45	2.11	3.40	5.64	5.95	5.85	7.13	12.46	21.96	26.53	18.43	4.65	117
1994	Critical	3.58	3.13	5.12	8.60	9.01	8.96	9.70	14.49	25.61	30.95	21.44	5.36	146
1995	Wet	4.14	3.63	5.97	10.06	10.52	8.90	10.98	17.63	31.24	37.77	26.09	6.43	173
1996	Wet	4.97	4.39	7.27	12.33	12.86	8.08	8.72	14.86	26.26	31.74	21.98	5.48	159
1997	Wet	4.23	3.72	6.12	10.33	10.79	7.83	8.17	12.73	22.44	27.12	18.83	4.75	137
1998	Wet	3.66	3.20	5.23	8.79	9.21	10.38	11.86	17.63	31.24	37.77	26.09	6.43	171
1999	Wet	4.97	4.39	7.27	12.33	12.86	7.58	8.17	13.01	22.94	27.72	19.24	4.85	145
2000	Above Normal	3.73	3.26	5.35	8.99	9.41	7.57	8.17	13.88	24.50	29.61	20.53	5.15	140
2001	Dry	3.97	3.48	5.72	9.62	10.06	3.79	4.81	7.13	12.43	14.98	10.53	2.80	89
2002	Dry	2.13	1.81	2.89	4.76	5.05	6.10	7.92	12.60	22.22	26.84	18.64	4.70	116
2003	Above Normal	3.62	3.16	5.18	8.70	9.11	6.59	6.96	11.20	19.71	23.80	15.06	4.21	117
Average		3	3	5	8	8	6	7	11	20	24	17	4	115
Wet		4	3	6	9	10	8	9	15	26	32	22	6	150
Above Normal		3	3	5	8	8	7	8	14	24	29	20	5	134
Below Normal		3	3	5	8	9	5	7	11	20	24	17	4	117
Dry		3	3	4	7	7	4	6	9	16	19	13	3	94
Critical		2	2	3	5	5	2	3	4	7	9	6	2	50

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Energy Use (GWh) At Pumping Plant at CVP Dos Amigos: CP1_2020

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	4.97	4.39	7.27	12.33	12.86	8.37	8.90	14.86	26.26	31.74	21.98	5.48	159
1923	Below Normal	4.23	3.72	6.12	10.33	10.79	6.85	7.87	11.69	20.59	24.86	17.28	4.38	129
1924	Critical	3.37	2.94	4.80	8.04	8.43	0.83	1.06	1.55	2.44	2.87	2.26	0.85	39
1925	Dry	0.60	0.43	0.56	0.74	0.90	4.30	4.98	9.36	16.43	19.82	13.83	3.56	76
1926	Dry	2.72	2.36	3.82	6.37	6.71	3.28	3.83	5.67	9.80	11.80	8.36	2.30	67
1927	Wet	1.74	1.46	2.29	3.70	3.96	7.58	8.17	13.01	22.95	27.73	19.25	4.85	117
1928	Above Normal	3.74	3.27	5.35	9.00	9.42	5.17	8.17	12.16	21.42	25.88	17.98	4.55	126
1929	Critical	3.50	3.05	4.99	8.38	8.78	2.31	2.74	4.04	6.89	8.28	5.95	1.73	61
1930	Dry	1.30	1.06	1.61	2.53	2.75	3.54	4.32	6.41	11.12	13.40	9.45	2.55	60
1931	Critical	1.94	1.64	2.59	4.23	4.50	1.03	1.29	1.89	3.04	3.61	2.76	0.97	29
1932	Dry	0.70	0.52	0.70	0.98	1.15	2.12	2.52	3.72	6.32	7.58	5.48	1.62	33
1933	Critical	1.21	0.98	1.47	2.30	2.51	0.87	1.11	1.62	2.55	3.02	2.35	0.87	21
1934	Critical	0.62	0.45	0.58	0.78	0.94	1.64	1.97	2.90	4.85	5.80	4.26	1.33	26
1935	Below Normal	0.98	0.77	1.12	1.71	1.90	0.54	1.80	6.96	12.11	14.60	10.27	2.74	55
1936	Below Normal	2.08	1.77	2.82	4.63	4.91	5.33	6.15	9.13	16.02	19.33	13.49	3.48	89
1937	Below Normal	2.66	2.30	3.72	6.20	6.54	2.70	4.68	7.02	12.23	14.74	10.37	2.76	76
1938	Wet	2.10	1.79	2.85	4.68	4.97	10.38	11.46	17.63	31.24	37.77	26.09	6.43	157
1939	Dry	4.97	4.39	7.27	12.33	12.86	4.89	6.75	10.02	17.60	21.25	14.81	3.79	121
1940	Above Normal	2.90	2.52	4.09	6.84	7.20	5.82	7.20	11.55	20.34	24.56	17.08	4.33	114
1941	Wet	3.33	2.90	4.74	7.94	8.33	7.58	8.17	15.15	26.79	32.39	22.42	5.59	145
1942	Wet	4.31	3.79	6.24	10.54	11.01	8.25	8.98	14.26	25.20	30.45	21.10	5.28	149
1943	Wet	4.08	3.57	5.88	9.90	10.35	8.95	9.32	16.30	28.84	34.87	24.11	5.97	162
1944	Dry	4.61	4.07	6.72	11.37	11.87	5.54	6.39	9.49	16.65	20.10	14.02	3.60	114
1945	Below Normal	2.76	2.39	3.87	6.46	6.80	6.04	8.17	13.14	23.19	28.02	19.44	4.90	125
1946	Below Normal	3.77	3.30	5.41	9.09	9.52	6.51	7.73	12.00	21.14	25.53	17.74	4.49	126
1947	Dry	3.45	3.01	4.93	8.26	8.66	3.81	6.22	9.23	16.19	19.54	13.64	3.51	100
1948	Below Normal	2.69	2.32	3.76	6.27	6.61	2.20	5.47	13.00	22.94	27.71	19.23	4.85	117
1949	Dry	3.73	3.26	5.35	8.99	9.41	3.26	8.17	12.33	21.74	26.26	18.24	4.61	125
1950	Below Normal	3.55	3.10	5.07	8.51	8.91	3.59	5.44	8.07	14.12	17.03	11.93	3.12	92
1951	Above Normal	2.38	2.04	3.28	5.44	5.75	7.58	8.17	13.60	24.00	29.00	20.11	5.06	126
1952	Wet	3.90	3.41	5.60	9.42	9.85	9.11	10.78	17.63	31.24	37.77	26.09	6.43	171
1953	Wet	4.97	4.39	7.27	12.33	12.86	7.57	7.57	12.76	22.49	27.18	18.87	4.76	143
1954	Above Normal	3.67	3.20	5.25	8.81	9.23	7.58	8.17	12.99	22.92	27.70	19.22	4.84	134
1955	Dry	3.73	3.26	5.35	8.98	9.41	4.99	5.77	8.56	14.98	18.08	12.64	3.28	99
1956	Wet	2.51	2.16	3.48	5.79	6.11	8.28	8.41	13.33	23.53	28.43	19.72	4.96	127
1957	Above Normal	3.83	3.35	5.49	9.23	9.66	7.58	8.17	13.75	24.28	29.34	20.34	5.11	140
1958	Wet	3.94	3.45	5.66	9.53	9.97	8.04	9.23	17.63	31.24	37.77	26.09	6.43	169
1959	Below Normal	4.97	4.39	7.27	12.33	12.86	7.30	8.16	12.71	22.41	27.08	18.80	4.74	143
1960	Dry	3.65	3.19	5.23	8.78	9.19	2.11	4.00	5.93	10.27	12.36	8.75	2.39	76
1961	Dry	1.81	1.52	2.39	3.89	4.15	4.55	8.08	12.01	21.16	25.56	17.76	4.49	107
1962	Below Normal	3.46	3.02	4.93	8.27	8.67	6.32	7.67	12.19	21.49	25.96	18.03	4.56	125
1963	Wet	3.51	3.06	5.01	8.41	8.81	7.50	8.16	13.98	24.69	29.84	20.68	5.19	139
1964	Dry	4.00	3.51	5.76	9.69	10.14	5.20	6.00	8.91	15.61	18.84	13.16	3.40	104
1965	Wet	2.60	2.25	3.63	6.04	6.37	6.18	7.12	14.18	25.04	30.26	20.97	5.25	130
1966	Below Normal	4.05	3.55	5.84	9.84	10.29	7.19	8.17	13.02	22.96	27.74	19.25	4.85	137
1967	Wet	3.74	3.27	5.36	9.00	9.42	9.50	11.38	17.63	31.24	37.77	26.09	6.43	171
1968	Below Normal	4.97	4.39	7.27	12.33	12.86	7.58	8.17	12.93	22.80	27.55	19.12	4.82	145
1969	Wet	3.71	3.25	5.32	8.94	9.36	10.38	11.86	17.63	31.24	37.77	26.09	6.43	172
1970	Wet	4.97	4.39	7.27	12.33	12.86	7.07	8.17	13.48	23.79	28.75	12.68	5.02	141
1971	Wet	3.87	3.38	5.55	9.34	9.77	6.51	7.89	12.59	22.20	26.82	18.62	4.70	131
1972	Below Normal	3.62	3.16	5.18	8.69	9.10	7.58	8.17	12.32	21.71	26.23	12.52	4.60	123
1973	Above Normal	3.54	3.09	5.06	8.50	8.90	6.86	8.17	13.21	23.30	28.16	19.54	4.92	133
1974	Wet	3.79	3.32	5.44	9.14	9.56	8.15	8.87	15.09	26.67	32.24	22.32	5.56	150
1975	Wet	4.29	3.77	6.22	10.49	10.96	7.20	8.17	13.02	22.97	27.75	19.26	4.85	139
1976	Critical	3.74	3.27	5.36	9.00	9.43	2.42	2.86	4.22	7.21	8.66	6.21	1.80	64
1977	Critical	1.34	1.10	1.68	2.66	2.88	1.16	1.43	2.09	3.40	4.05	1.72	1.04	25
1978	Above Normal	0.75	0.57	0.78	1.13	1.30	6.63	10.08	17.63	31.24	37.77	26.09	6.43	140
1979	Below Normal	4.97	4.39	7.27	12.33	12.86	6.00	8.26	13.31	23.48	28.38	19.69	4.96	146
1980	Above Normal	3.82	3.34	5.48	9.21	9.64	9.34	9.68	15.79	27.93	33.76	23.36	5.80	157
1981	Dry	4.48	3.94	6.51	11.00	11.49	7.52	8.17	13.77	24.32	29.38	20.38	5.12	146
1982	Wet	3.95	3.45	5.67	9.54	9.98	8.69	10.45	17.63	31.24	37.77	26.09	6.43	171
1983	Wet	4.97	4.39	7.27	12.33	12.86	10.38	11.86	17.63	31.24	37.77	26.09	6.43	183
1984	Wet	4.97	4.39	7.27	12.33	12.86	7.59	8.17	12.76	22.50	27.18	18.87	4.76	144
1985	Dry	3.67	3.20	5.25	8.81	9.23	6.29	8.16	13.32	23.49	28.39	19.70	4.96	134
1986	Wet	3.82	3.34	5.48	9.21	9.64	6.35	8.36	12.41	21.88	26.43	18.36	4.64	130
1987	Dry	3.57	3.12	5.10	8.56	8.97	2.98	5.91	8.77	15.37	18.55	12.96	3.36	97
1988	Critical	2.56	2.21	3.57	5.94	6.27	2.73	3.21	4.75	8.16	9.81	7.00	1.98	58
1989	Dry	1.49	1.23	1.90	3.04	3.27	0.54	5.60	8.31	14.54	17.54	12.27	3.20	73
1990	Critical	2.44	2.10	3.38	5.61	5.92	0.55	0.74	1.06	1.57	1.82	1.53	0.68	27
1991	Critical	0.47	0.31	0.35	0.39	0.53	1.85	2.83	4.18	7.13	8.57	6.15	1.78	35
1992	Critical	1.33	1.09	1.66	2.63	2.85	2.87	5.79	8.59	15.04	18.14	12.69	3.29	76
1993	Above Normal	2.51	2.17	3.50	5.81	6.13	5.88	7.16	12.51	22.05	26.63	18.49	4.67	118
1994	Critical	3.60	3.14	5.14	8.63	9.04	8.96	9.70	14.49	25.61	30.95	21.44	5.36	146
1995	Wet	4.14	3.63	5.97	10.06	10.52	8.86	10.93	17.63	31.24	37.77	26.09	6.43	173
1996	Wet	4.97	4.39	7.27	12.33	12.86	8.08	8.72	14.86	26.26	31.74	21.98	5.48	159
1997	Wet	4.23	3.72	6.12	10.33	10.79	7.83	8.17	12.73	22.44	27.12	18.83	4.75	137
1998	Wet	3.66	3.20	5.23	8.79	9.21	10.38	11.86	17.63	31.24	37.77	26.09	6.43	171
1999	Wet	4.97	4.39	7.27	12.33	12.86	7.58	8.17	13.01	22.94	27.72	19.24	4.85	145
2000	Above Normal	3.73	3.26	5.35	8.99	9.41	7.57	8.17	13.88	24.50	29.61	19.12	5.15	139
2001	Dry	3.97	3.48	5.72	9.62	10.06	4.09	5.50	8.16	14.27	17.21	12.05	3.15	97
2002	Dry	2.40	2.06	3.32	5.50	5.81	6.51	7.89	13.08	23.08	27.89	19.35	4.88	122
2003	Above Normal	3.76	3.28	5.38	9.05	9.47	6.67	7.75	12.39	21.84	26.38	10.76	4.63	121
Average		3	3	5	8	8	6	7	11	20	24	17	4	116
Wet		4	3	6	9	10	8	9	15	27	32	22	6	151
Above Normal		3	3	5	8	8	7	8	14	24	29	20	5	134
Below Normal		3	3	5	8	9	5	7	11	20	24	16	4	116
Dry		3	3	4	7	8	4	6	9	16	20	14	4	97
Critical		2	2	3	5	5	2	3	4	7	9	6	2	51

Difference in Energy Use (GWh) At Pumping Plant at CVP Dos Amigos: CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	-1	0	-2	-3	-3	-2	-1	-1
1924	Critical	0	0	-1	-1	-1	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	0	0	0	0	1	1	1	1	0	0
1926	Dry	0	0	0	0	0	0	1	1	1	2	1	0	1
1927	Wet	0	0	0	1	1	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	0	0	-1	0	0	0	-1	0	0	0
1929	Critical	0	0	0	0	0	0	1	1	1	2	1	0	0
1930	Dry	0	0	0	1	1	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1932	Dry	0	0	0	0	0	0	0	0	0	1	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1935	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	-1	-1	-1	0	0
1937	Below Norma	0	0	0	0	0	0	0	0	-1	-1	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	0	0	1	1	1	0	0
1940	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	1	1	1	2	2	1	0	1
1945	Below Norma	0	0	0	1	1	0	0	0	-1	-1	-1	0	0
1946	Below Norma	0	0	0	0	0	0	0	0	1	1	0	0	0
1947	Dry	0	0	0	0	0	0	0	0	0	-1	0	0	0
1948	Below Norma	0	0	0	0	0	0	0	1	1	1	1	0	0
1949	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Norma	0	0	0	0	0	0	0	0	1	1	0	0	0
1951	Above Norma	0	0	0	0	0	0	0	0	0	0	3	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	1	1	1	1	0	0
1956	Wet	0	0	0	0	1	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	1	0	0	0	1	0	0	0
1961	Dry	0	0	0	0	0	0	0	1	1	1	1	0	0
1962	Below Norma	0	0	0	0	0	0	0	1	1	1	1	0	1
1963	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	0	0	1	1	1	1	0	0
1965	Wet	0	0	0	0	0	0	0	1	2	2	1	0	1
1966	Below Norma	0	0	0	1	1	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	1	1	2	-6	0	0
1971	Wet	0	0	0	1	1	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	0	0	0	0	-6	0	0
1973	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	-1	-1	-1	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	-1	0	0
1978	Above Norma	0	0	0	0	0	-1	0	0	0	0	0	0	0
1979	Below Norma	0	0	0	0	0	0	0	0	1	1	1	0	0
1980	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	1	1	1	2	1	0	1
1986	Wet	0	0	0	1	1	0	1	1	2	2	1	0	1
1987	Dry	0	0	0	1	1	0	0	0	-1	-1	-1	0	0
1988	Critical	0	0	0	0	0	0	0	0	1	1	1	0	0
1989	Dry	0	0	0	0	0	0	0	0	1	1	1	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	1	1	1	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	1	0	0	0
1993	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	0	-1	0	0
2001	Dry	0	0	0	0	0	0	1	1	2	2	2	0	1
2002	Dry	0	0	0	1	1	0	0	0	1	1	1	0	1
2003	Above Norma	0	0	0	0	0	0	1	1	2	3	-4	0	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Below Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Dry		0	0	0	0	0	0	0	0	1	1	1	0	0
Critical		0	0	0	0	0	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at CVP Dos Amigos: CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1923	Below Norm	0%	0%	0%	0%	0%	-10%	-4%	-12%	-12%	-12%	-12%	-11%
1924	Critical	-12%	-12%	-12%	-13%	-12%	0%	0%	0%	0%	0%	0%	0%
1925	Dry	0%	0%	0%	0%	0%	6%	6%	7%	7%	7%	7%	6%
1926	Dry	7%	7%	7%	8%	8%	16%	16%	17%	17%	17%	16%	13%
1927	Wet	14%	15%	17%	18%	17%	1%	0%	0%	0%	0%	0%	0%
1928	Above Norm	0%	0%	0%	0%	0%	-11%	0%	-2%	-2%	-2%	-2%	-2%
1929	Critical	-2%	-2%	-2%	-2%	-2%	26%	25%	25%	27%	27%	25%	20%
1930	Dry	21%	24%	27%	30%	28%	3%	1%	1%	1%	1%	1%	1%
1931	Critical	1%	1%	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%
1932	Dry	0%	0%	0%	0%	0%	8%	8%	8%	9%	9%	8%	6%
1933	Critical	7%	8%	9%	10%	9%	0%	0%	0%	0%	0%	0%	0%
1934	Critical	0%	0%	0%	0%	0%	2%	2%	2%	2%	2%	2%	1%
1935	Below Norm	1%	2%	2%	2%	2%	0%	-6%	-1%	-1%	-1%	-1%	-1%
1936	Below Norm	-1%	-1%	-1%	-1%	-1%	-4%	-4%	-4%	-4%	-4%	-4%	-3%
1937	Below Norm	-3%	-4%	-4%	-4%	-4%	5%	-2%	-4%	-4%	-4%	-4%	-3%
1938	Wet	-4%	-4%	-4%	-4%	-4%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	0%	6%	4%	4%	4%	4%	4%	4%
1940	Above Norm	4%	4%	4%	4%	4%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1942	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1944	Dry	0%	0%	0%	0%	0%	10%	10%	10%	10%	10%	10%	9%
1945	Below Norm	9%	10%	10%	11%	10%	-2%	0%	-3%	-3%	-3%	-3%	-3%
1946	Below Norm	-3%	-3%	-3%	-3%	-3%	0%	3%	3%	3%	3%	3%	2%
1947	Dry	2%	3%	3%	3%	3%	1%	-2%	-2%	-2%	-3%	-2%	-2%
1948	Below Norm	-2%	-2%	-3%	-3%	-3%	9%	3%	5%	5%	5%	5%	5%
1949	Dry	5%	5%	5%	5%	5%	7%	0%	0%	0%	0%	0%	0%
1950	Below Norm	0%	0%	0%	0%	0%	2%	4%	4%	4%	4%	4%	4%
1951	Above Norm	4%	4%	4%	5%	5%	0%	0%	0%	0%	0%	16%	0%
1952	Wet	0%	0%	0%	0%	0%	2%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1955	Dry	0%	0%	0%	0%	0%	9%	9%	9%	9%	9%	9%	8%
1956	Wet	8%	8%	9%	9%	9%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1958	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1960	Dry	0%	0%	0%	0%	0%	39%	5%	5%	5%	5%	5%	4%
1961	Dry	4%	4%	5%	5%	5%	9%	5%	5%	5%	5%	5%	5%
1962	Below Norm	5%	5%	5%	5%	5%	7%	6%	5%	5%	5%	5%	5%
1963	Wet	5%	5%	5%	5%	5%	-1%	0%	0%	0%	0%	0%	0%
1964	Dry	0%	0%	0%	0%	0%	6%	6%	6%	6%	6%	6%	5%
1965	Wet	6%	6%	6%	7%	6%	2%	2%	7%	8%	8%	7%	7%
1966	Below Norm	7%	7%	7%	8%	8%	-5%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1968	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1969	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	5%	0%	7%	7%	7%	-32%	6%
1971	Wet	6%	7%	7%	7%	7%	0%	0%	0%	0%	0%	0%	0%
1972	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-31%	0%
1973	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	-10%	-9%	-9%	-10%	-10%	-9%	-8%
1977	Critical	-8%	-9%	-10%	-11%	-10%	0%	0%	0%	0%	0%	-44%	0%
1978	Above Norm	0%	0%	0%	0%	0%	-15%	-1%	0%	0%	0%	0%	0%
1979	Below Norm	0%	0%	0%	0%	0%	-7%	0%	3%	3%	3%	3%	3%
1980	Above Norm	3%	3%	3%	3%	3%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1982	Wet	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	7%	7%	7%	7%	7%	7%	6%
1986	Wet	6%	6%	7%	7%	7%	4%	8%	8%	8%	8%	8%	7%
1987	Dry	7%	8%	8%	8%	8%	2%	-5%	-5%	-5%	-5%	-5%	-4%
1988	Critical	-4%	-4%	-5%	-5%	-5%	8%	8%	8%	8%	8%	8%	7%
1989	Dry	7%	8%	8%	9%	8%	0%	6%	6%	6%	6%	6%	5%
1990	Critical	5%	6%	6%	6%	6%	2%	2%	2%	2%	2%	2%	1%
1991	Critical	1%	1%	2%	3%	2%	0%	11%	11%	12%	12%	11%	9%
1992	Critical	10%	11%	12%	13%	12%	2%	3%	3%	3%	3%	3%	2%
1993	Above Norm	3%	3%	3%	3%	3%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1995	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1998	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-7%	0%
2001	Dry	0%	0%	0%	0%	0%	8%	14%	14%	15%	15%	14%	12%
2002	Dry	13%	14%	15%	16%	15%	7%	0%	4%	4%	4%	4%	4%
2003	Above Norm	4%	4%	4%	4%	4%	1%	11%	11%	11%	11%	-29%	10%
Average		2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	0%	2%
Wet		2%	2%	2%	2%	2%	1%	0%	1%	1%	1%	-1%	1%
Above Norm		1%	1%	2%	2%	2%	-2%	1%	1%	1%	1%	-2%	1%
Below Norm		1%	1%	1%	1%	1%	0%	0%	0%	0%	0%	-2%	0%
Dry		4%	4%	4%	5%	4%	8%	5%	5%	5%	5%	5%	5%
Critical		0%	0%	0%	0%	0%	3%	3%	3%	4%	4%	0%	3%

Difference in Energy Use (GWh) At Pumping Plant at CVP San Luis: CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	1	0	0	0	0	0	0	0	0	0	0	2	0
1924	Critical	2	-1	-5	3	17	0	0	0	0	0	0	13	2
1925	Dry	14	-1	4	-23	-77	-9	0	0	0	0	0	-1	-8
1926	Dry	-1	-1	-1	-2	1	5	0	0	0	0	0	0	0
1927	Wet	2	1	0	0	-10	-5	0	0	0	0	0	0	-1
1928	Above Norma	1	4	1	1	-10	-13	0	0	0	0	0	-1	-2
1929	Critical	0	1	1	1	1	0	0	0	0	0	0	-1	0
1930	Dry	-1	-1	-1	-2	12	1	0	0	0	0	0	-3	0
1931	Critical	-4	1	1	0	32	-1	0	0	0	0	0	1	3
1932	Dry	2	5	2	-29	-4	0	0	0	0	0	0	0	-2
1933	Critical	0	0	9	0	0	0	0	0	0	0	0	6	1
1934	Critical	1	2	0	-10	0	0	0	0	0	0	0	0	-1
1935	Below Norma	0	0	1	0	0	5	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	-3	0	0	0	0	0	0	1	0
1937	Below Norma	1	1	1	-8	0	0	0	0	0	0	0	1	0
1938	Wet	2	1	1	-8	0	0	0	0	0	0	0	0	0
1939	Dry	-3	0	0	0	0	4	0	0	0	0	0	7	1
1940	Above Norma	-1	-4	0	0	-1	0	0	0	0	0	0	0	-1
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	9	1	1	1	-12	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	-3	0	0	0	0	0	0	0
1945	Below Norma	-1	0	-1	-1	5	0	0	0	0	0	0	0	0
1946	Below Norma	-3	3	0	1	0	8	0	0	0	0	0	-1	1
1947	Dry	1	4	1	0	0	-16	0	0	0	0	0	0	-1
1948	Below Norma	0	2	1	-7	0	-1	-1	0	0	0	0	-1	0
1949	Dry	0	-1	-1	-1	-2	10	0	0	0	0	0	0	0
1950	Below Norma	-1	1	0	0	0	1	-1	0	0	0	0	0	0
1951	Above Norma	17	1	-11	-15	0	0	0	0	0	0	0	0	-1
1952	Wet	0	2	1	1	1	-7	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	1	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	1	0	0	0	-24	0	0	0	0	0	0	-2
1956	Wet	0	-1	-2	-3	3	0	0	0	0	0	0	0	0
1957	Above Norma	-2	0	0	2	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	1	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	14	-6	13	-2	0	0	0	0	0	0	0	2
1961	Dry	0	0	6	-2	-6	-4	0	0	0	0	0	9	0
1962	Below Norma	0	16	2	-5	-1	0	0	0	0	0	0	0	1
1963	Wet	0	4	1	0	7	4	0	0	0	0	0	0	1
1964	Dry	0	1	0	-1	0	-2	0	0	0	0	0	-11	-1
1965	Wet	-1	-4	-2	-3	27	1	0	0	0	0	0	-1	1
1966	Below Norma	-2	-2	-3	-4	8	21	0	0	0	0	0	0	2
1967	Wet	0	3	0	-1	0	-6	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	-1	0
1969	Wet	2	0	0	0	0	-4	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	-1	0
1971	Wet	0	0	-1	-2	8	0	0	0	0	0	0	0	0
1972	Below Norma	5	2	0	0	-8	0	0	0	0	0	0	0	0
1973	Above Norma	0	0	-1	0	0	1	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	2	0	0	0	0	-3	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	1	-1	0	0	0	0	0	0	0
1977	Critical	5	0	0	0	0	0	0	0	0	-2	0	8	1
1978	Above Norma	-13	0	2	0	-2	26	4	0	0	0	0	0	1
1979	Below Norma	0	-3	0	0	0	0	0	0	0	0	0	-1	0
1980	Above Norma	-1	-4	-1	-2	13	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	3	1	0	0	0	-6	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	-1	0	0	0	22	0	0	0	0	0	-1	2
1986	Wet	-1	-1	-1	-2	-2	15	0	-3	0	0	0	-1	0
1987	Dry	-1	-1	-1	14	0	0	0	0	0	0	0	2	1
1988	Critical	-6	0	0	1	4	0	0	0	0	0	0	0	0
1989	Dry	0	0	14	0	10	2	0	0	0	0	0	0	2
1990	Critical	1	1	2	-1	-2	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	2	0	0	0	0	0	0	0	-1	0
1992	Critical	-2	-3	-1	-1	-3	16	0	0	0	0	0	0	1
1993	Above Norma	0	4	-2	0	-1	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	10	-1	-6	-2	-2	-3	2	0	0	0	0	-1	0
1996	Wet	-1	-3	-3	-1	0	0	0	0	0	0	0	0	-1
1997	Wet	0	0	0	0	-3	0	0	0	0	0	0	0	0
1998	Wet	0	-2	0	0	1	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	-1	-1	0	0	0	0	0	0	0	0
2001	Dry	0	0	1	0	0	-1	0	0	0	0	0	0	0
2002	Dry	-3	1	-1	-2	6	-1	0	0	0	0	0	0	0
2003	Above Norma	8	8	7	1	-14	25	0	0	0	0	0	-1	3
Average		0	1	0	-1	0	1	0	0	0	0	0	0	0
Wet		1	0	0	-1	1	-1	0	0	0	0	0	0	0
Above Norma		1	1	-1	-1	-1	3	0	0	0	0	0	0	0
Below Norma		0	1	0	-2	0	2	0	0	0	0	0	0	0
Dry		0	1	1	-2	-3	-1	0	0	0	0	0	0	0
Critical		0	0	1	0	4	1	0	0	0	0	0	2	1

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at CVP San Luis: CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norm	0%	0%	0%	0%	-1%	0%	0%	-	-	-	-	1%
1923	Below Norm	6%	0%	1%	1%	1%	-5%	-	-	-	-	-	18%
1924	Critical	10%	-2%	-13%	6%	-	-	-	-	-	-	-	-
1925	Dry	178%	-17%	5%	-27%	-99%	-69%	1%	-	-	-	-	-6%
1926	Dry	-8%	-2%	-1%	-3%	1%	105%	1%	-	-	-	-	-
1927	Wet	92%	4%	0%	-1%	-15%	-48%	-	-	-	-	-	4%
1928	Above Norm	5%	9%	2%	1%	-22%	-74%	-	-	-	-	-	-12%
1929	Critical	0%	3%	1%	2%	3%	-	-	-	-	-	-	-18%
1930	Dry	-6%	-4%	-2%	-3%	22%	23%	-	-	-	-	-	-52%
1931	Critical	-46%	3%	3%	0%	-	-6%	-	-	-	-	-	9%
1932	Dry	11%	22%	3%	-35%	-79%	-	-	-	-	-	-	-1%
1933	Critical	-1%	0%	35%	5%	5%	-	-	-	-	-	-	58%
1934	Critical	4%	11%	1%	-30%	0%	-	-	-	-	-	-	-
1935	Below Norm	-	-1%	2%	0%	0%	18%	-1%	-	-	-	-	1%
1936	Below Norm	1%	1%	1%	0%	-19%	-1%	-1%	-	-	-	-	4%
1937	Below Norm	4%	4%	1%	-16%	-2%	2%	0%	0%	-	-	-	4%
1938	Wet	9%	1%	2%	-40%	-1%	0%	0%	0%	-	-	-	0%
1939	Dry	-10%	0%	0%	0%	-1%	40%	-	-	-	-	-	142%
1940	Above Norm	-13%	-20%	-5%	-1%	-1%	0%	-	-	-	-	-	0%
1941	Wet	0%	0%	0%	-1%	-1%	-1%	-1%	-	-	-	-	-1%
1942	Wet	0%	0%	0%	0%	0%	0%	0%	-	-	-	-	0%
1943	Wet	33%	2%	2%	1%	-44%	0%	0%	-	-	-	-	0%
1944	Dry	0%	0%	0%	0%	-1%	-5%	-	-	-	-	-	-4%
1945	Below Norm	-5%	0%	-1%	-2%	13%	-1%	-	-	-	-	-	5%
1946	Below Norm	-12%	7%	1%	1%	-	25%	-	-	-	-	-	-32%
1947	Dry	4%	10%	1%	1%	0%	-78%	-	-	-	-	-	2%
1948	Below Norm	1%	5%	4%	-17%	1%	-2%	-46%	-	-	-	-	-6%
1949	Dry	-1%	-4%	-2%	-3%	-5%	41%	-	-	-	-	-	0%
1950	Below Norm	-7%	3%	1%	0%	0%	5%	-20%	-	-	-	-	0%
1951	Above Norm	240%	2%	-16%	-83%	2%	0%	-	-	-	-	-	1%
1952	Wet	2%	5%	1%	2%	2%	-16%	0%	0%	-	-	-	0%
1953	Wet	0%	0%	0%	0%	0%	-	-	-	-	-	-	2%
1954	Above Norm	2%	0%	0%	0%	0%	0%	-	-	-	-	-	0%
1955	Dry	0%	2%	0%	0%	1%	-91%	-	-	-	-	-	-2%
1956	Wet	-4%	-4%	-2%	-4%	5%	0%	-	-	-	-	-	0%
1957	Above Norm	-6%	0%	0%	7%	0%	0%	-	-	-	-	-	-1%
1958	Wet	1%	0%	0%	0%	0%	3%	0%	-	-	-	-	0%
1959	Below Norm	0%	0%	0%	0%	0%	0%	-	-	-	-	-	5%
1960	Dry	0%	74%	-52%	35%	-6%	0%	-	-	-	-	-	-1%
1961	Dry	-4%	-1%	15%	-3%	-9%	-46%	-	-	-	-	-	633%
1962	Below Norm	-	109%	5%	-10%	-2%	0%	-	-	-	-	-	2%
1963	Wet	2%	10%	1%	1%	14%	87%	-	-	-	-	-	1%
1964	Dry	1%	2%	0%	-1%	-2%	-10%	-	-	-	-	-	-80%
1965	Wet	-11%	-9%	-3%	-5%	66%	27%	-	-	-	-	-	-10%
1966	Below Norm	-9%	-3%	-5%	-6%	21%	366%	-	-	-	-	-	0%
1967	Wet	-1%	10%	0%	-1%	-1%	-13%	0%	-	-	-	-	1%
1968	Below Norm	1%	0%	0%	0%	0%	0%	-	-	-	-	-	-43%
1969	Wet	16%	0%	0%	-1%	-1%	-15%	0%	0%	-	-	-	0%
1970	Wet	1%	1%	0%	0%	0%	3%	-	-	-	-	-	-7%
1971	Wet	-3%	-1%	-1%	-3%	29%	0%	-	-	-	-	-	0%
1972	Below Norm	25%	4%	1%	0%	-20%	-1%	-	-	-	-	-	1%
1973	Above Norm	0%	0%	-1%	-1%	0%	2%	-	-	-	-	-	0%
1974	Wet	0%	0%	0%	0%	0%	-5%	0%	-	-	-	-	0%
1975	Wet	9%	0%	0%	0%	0%	-11%	-	-	-	-	-	0%
1976	Critical	0%	0%	0%	0%	2%	-12%	-	-	-	-	-	-
1977	Critical	93%	0%	12%	1%	-	-	-	-	-	-37%	-	360%
1978	Above Norm	-100%	0%	4%	0%	-3%	54%	61%	-	-	-	-	0%
1979	Below Norm	-1%	-8%	-1%	-1%	-1%	-5%	-	-	-	-	-	-6%
1980	Above Norm	-5%	-8%	-2%	-3%	51%	0%	0%	-	-	-	-	0%
1981	Dry	0%	-1%	-1%	-1%	-1%	0%	-	-	-	-	-	0%
1982	Wet	119%	2%	0%	0%	0%	-12%	0%	0%	-	-	-	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	-	-	-	0%
1984	Wet	0%	0%	0%	0%	0%	0%	-	-	-	-	-	0%
1985	Dry	0%	-2%	0%	0%	-1%	131%	-	-	-	-	-	-7%
1986	Wet	-3%	-3%	-2%	-3%	-4%	238%	5%	-57%	-	-	-	-7%
1987	Dry	-3%	-2%	-2%	82%	5%	-1%	-	-	-	-	-	113%
1988	Critical	-36%	1%	1%	1%	753%	-	-	-	-	-	-	-15%
1989	Dry	-3%	0%	58%	0%	-	3%	-	-	-	-	-	0%
1990	Critical	8%	2%	6%	-1%	-13%	0%	-	-	-	-	-	-
1991	Critical	-1%	-1%	-1%	8%	0%	0%	-	-	-	-	-	-11%
1992	Critical	-10%	-10%	-3%	-5%	-4%	91%	-	-	-	-	-	-3%
1993	Above Norm	-2%	42%	-6%	-1%	-1%	0%	0%	-	-	-	-	0%
1994	Critical	0%	0%	0%	0%	0%	-1%	-	-	-	-	-	-3%
1995	Wet	-	-4%	-12%	-4%	-5%	-4%	10%	-4%	-	-	-	-5%
1996	Wet	-5%	-5%	-4%	-2%	0%	0%	-	-	-	-	-	0%
1997	Wet	1%	0%	0%	0%	-5%	0%	-	-	-	-	-	-1%
1998	Wet	-1%	-6%	0%	0%	2%	0%	0%	-	-	-	-	0%
1999	Wet	0%	0%	0%	0%	0%	0%	-	-	-	-	-	0%
2000	Above Norm	0%	0%	0%	-1%	-2%	0%	-	-	-	-	-	0%
2001	Dry	0%	0%	1%	0%	0%	-2%	-	-	-	-	-	-
2002	Dry	-17%	5%	-1%	-3%	-	-3%	-	-	-	-	-	-4%
2003	Above Norm	81%	29%	14%	2%	-54%	541%	-	-	-	-	-	-8%
Average		8%	3%	1%	-2%	8%	17%	0%	-8%	#DIV/0!	-37%	#DIV/0!	13%
Wet		10%	0%	-1%	-2%	2%	9%	1%	-2%	0%	0%	0%	-1%
Above Norm		17%	5%	-1%	-7%	-3%	44%	5%	0%	0%	0%	0%	-2%
Below Norm		0%	9%	1%	-4%	-1%	29%	-5%	0%	0%	0%	0%	-3%
Dry		8%	5%	1%	2%	-10%	2%	0%	0%	0%	0%	0%	41%
Critical		2%	1%	3%	-1%	62%	6%	0%	0%	0%	-3%	0%	31%

Energy Use (GWh) At Pumping Plant at DMC Intertie: CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	0.55	0.85	0.97	0.96	0.81	0.00	0.00	0.00	0.00	0.03	0.15	0.31	5
1923	Below Normal	0.63	0.87	0.98	0.97	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.34	4
1924	Critical	0.67	0.88	0.00	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3
1925	Dry	0.00	0.00	1.02	1.01	0.89	0.00	0.00	0.00	0.00	0.00	0.00	0.50	3
1926	Dry	0.00	0.00	0.00	0.99	0.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1
1927	Wet	0.00	0.95	1.01	1.00	0.88	0.00	0.00	0.00	0.00	0.00	0.00	0.34	4
1928	Above Normal	0.68	0.88	0.98	0.97	0.87	0.00	0.00	0.00	0.00	0.00	0.22	0.35	5
1929	Critical	0.69	0.89	0.99	0.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4
1930	Dry	0.00	0.00	1.01	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2
1931	Critical	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1
1932	Dry	0.00	0.00	1.02	1.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.82	3
1933	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1934	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1935	Below Normal	0.00	0.00	0.00	1.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.61	2
1936	Below Normal	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.46	1
1937	Below Normal	0.00	0.00	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.59	2
1938	Wet	0.00	0.93	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.28	2
1939	Dry	0.89	0.85	0.97	0.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4
1940	Above Normal	0.00	0.00	0.00	0.98	0.89	0.85	0.00	0.00	0.00	0.00	0.24	0.36	3
1941	Wet	0.72	0.90	0.99	0.98	0.00	0.00	0.00	0.00	0.00	0.02	0.14	0.31	4
1942	Wet	0.62	0.87	0.98	0.97	0.00	0.00	0.00	0.00	0.00	0.05	0.17	0.32	4
1943	Wet	0.64	0.87	0.98	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.29	4
1944	Dry	0.59	0.86	0.98	0.96	0.85	0.87	0.00	0.00	0.00	0.00	0.00	0.00	5
1945	Below Normal	0.00	0.92	1.00	0.99	0.00	0.00	0.00	0.00	0.00	0.08	0.19	0.33	4
1946	Below Normal	0.66	0.88	0.98	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00	4
1947	Dry	0.72	0.90	0.99	0.98	0.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4
1948	Below Normal	0.00	0.46	0.00	0.00	0.89	0.00	0.00	0.00	0.00	0.12	0.00	0.35	2
1949	Dry	0.55	0.00	0.99	0.98	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.35	3
1950	Below Normal	0.00	0.71	0.77	0.98	0.84	0.00	0.00	0.00	0.00	0.00	0.34	0.56	4
1951	Above Normal	0.00	0.93	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.33	0.28	2
1952	Wet	0.66	0.88	0.98	0.97	0.87	0.00	0.00	0.00	0.00	0.00	0.07	0.28	5
1953	Wet	0.55	0.85	0.97	0.96	0.22	0.00	0.00	0.00	0.00	0.11	0.21	0.34	4
1954	Above Normal	0.69	0.89	0.99	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.34	4
1955	Dry	0.68	0.88	0.98	0.97	0.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4
1956	Wet	0.00	0.76	1.00	0.99	0.00	0.00	0.00	0.00	0.00	0.09	0.19	0.34	3
1957	Above Normal	0.92	0.88	0.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.33	3
1958	Wet	0.66	0.88	0.98	0.97	0.83	0.00	0.00	0.00	0.00	0.00	0.07	0.28	5
1959	Below Normal	0.55	0.85	0.97	0.96	0.81	0.00	0.00	0.00	0.00	0.11	0.00	0.00	4
1960	Dry	0.00	0.00	0.00	0.00	0.00	0.55	0.00	0.00	0.00	0.00	0.00	0.00	1
1961	Dry	0.00	0.95	0.00	1.00	0.87	0.00	0.00	0.00	0.00	0.00	0.24	0.00	3
1962	Below Normal	0.00	0.00	0.00	0.98	0.84	0.85	0.00	0.00	0.00	0.15	0.24	0.21	3
1963	Wet	0.72	0.90	0.99	0.98	0.03	0.00	0.00	0.00	0.00	0.00	0.17	0.33	4
1964	Dry	0.65	0.88	0.98	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.39	4
1965	Wet	0.00	0.92	1.00	0.99	0.00	0.00	0.00	0.00	0.00	0.09	0.19	0.34	4
1966	Below Normal	0.67	0.88	0.98	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.34	4
1967	Wet	0.68	0.00	0.98	0.97	0.84	0.00	0.00	0.00	0.00	0.00	0.07	0.28	4
1968	Below Normal	0.55	0.85	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.00	3
1969	Wet	0.00	0.89	0.98	0.97	0.84	0.00	0.00	0.00	0.00	0.00	0.07	0.28	4
1970	Wet	0.55	0.85	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.34	3
1971	Wet	0.69	0.89	0.99	0.97	0.00	0.83	0.00	0.00	0.00	0.00	0.21	0.35	5
1972	Below Normal	0.69	0.89	0.99	0.97	0.39	0.00	0.00	0.00	0.00	0.00	0.22	0.35	4
1973	Above Normal	0.70	0.89	0.99	0.98	0.84	0.14	0.00	0.00	0.00	0.09	0.19	0.34	5
1974	Wet	0.67	0.88	0.98	0.97	0.84	0.00	0.00	0.00	0.00	0.02	0.14	0.31	5
1975	Wet	0.62	0.87	0.98	0.97	0.83	0.00	0.00	0.00	0.00	0.00	0.20	0.34	5
1976	Critical	0.68	0.88	0.98	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4
1977	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1978	Above Normal	0.00	0.00	0.00	1.01	0.89	0.00	0.00	0.00	0.00	0.00	0.07	0.28	2
1979	Below Normal	0.55	0.85	0.97	0.96	0.81	0.00	0.00	0.00	0.00	0.10	0.00	0.34	5
1980	Above Normal	0.68	0.89	0.98	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.30	4
1981	Dry	0.60	0.86	0.98	0.96	0.82	0.00	0.00	0.00	0.00	0.07	0.18	0.33	5
1982	Wet	0.00	0.88	0.98	0.97	0.83	0.00	0.00	0.00	0.00	0.00	0.07	0.28	4
1983	Wet	0.55	0.85	0.97	0.96	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.28	4
1984	Wet	0.55	0.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.34	2
1985	Dry	0.69	0.89	0.99	0.97	0.78	0.00	0.00	0.00	0.00	0.12	0.21	0.35	5
1986	Wet	0.28	0.89	0.99	0.98	0.84	0.00	0.00	0.00	0.00	0.00	0.24	0.36	5
1987	Dry	0.72	0.90	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3
1988	Critical	0.00	0.87	1.00	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3
1989	Dry	0.00	0.00	0.00	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	2
1990	Critical	0.00	0.93	0.00	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2
1991	Critical	0.00	0.00	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.00	0.00	0.00	1
1992	Critical	0.00	0.00	0.00	0.00	0.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1
1993	Above Normal	0.00	0.00	0.00	0.99	0.86	0.85	0.00	0.00	0.00	0.12	0.00	0.35	3
1994	Critical	0.69	0.89	0.99	0.98	0.00	0.00	0.00	0.00	0.00	0.05	0.16	0.32	4
1995	Wet	0.00	0.00	0.98	0.97	0.83	0.77	0.00	0.00	0.00	0.00	0.07	0.28	4
1996	Wet	0.55	0.85	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.15	0.31	3
1997	Wet	0.63	0.87	0.98	0.97	0.82	0.00	0.00	0.00	0.00	0.00	0.21	0.00	4
1998	Wet	0.00	0.89	0.99	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.28	3
1999	Wet	0.55	0.85	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.34	3
2000	Above Normal	0.68	0.88	0.98	0.97	0.87	0.00	0.00	0.00	0.00	0.00	0.18	0.33	5
2001	Dry	0.65	0.88	0.08	0.97	0.83	0.91	0.00	0.00	0.00	0.00	0.00	0.00	4
2002	Dry	0.00	0.00	1.00	0.99	0.00	0.85	0.00	0.00	0.00	0.11	0.00	0.35	3
2003	Above Normal	0.00	0.00	0.99	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.36	3
Average		0	1	1	1	0	0	0	0	0	0	0	0	3
Wet		0	1	1	1	0	0	0	0	0	0	0	0	4
Above Normal		0	1	1	1	1	0	0	0	0	0	0	0	4
Below Normal		0	1	1	1	0	0	0	0	0	0	0	0	3
Dry		0	0	1	1	0	0	0	0	0	0	0	0	3
Critical		0	0	0	1	0	0	0	0	0	0	0	0	2

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Energy Use (GWh) At Pumping Plant at DMC Intertie: CP1_2020

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	0.55	0.85	0.97	0.96	0.81	0.00	0.00	0.00	0.00	0.03	0.15	0.31	5
1923	Below Normal	0.63	0.87	0.98	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.36	4
1924	Critical	0.72	0.00	0.00	0.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2
1925	Dry	0.00	0.00	1.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	1
1926	Dry	0.00	0.00	0.00	0.98	0.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2
1927	Wet	0.00	0.95	1.01	1.00	0.00	0.00	0.00	0.00	0.00	0.10	0.20	0.34	4
1928	Above Normal	0.68	0.88	0.98	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.00	4
1929	Critical	0.70	0.89	0.99	0.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4
1930	Dry	0.00	0.00	1.01	1.00	0.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3
1931	Critical	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1
1932	Dry	0.00	0.00	1.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.80	2
1933	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1934	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1935	Below Normal	0.00	0.00	0.00	1.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.61	2
1936	Below Normal	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.48	1
1937	Below Normal	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.61	2
1938	Wet	0.00	0.94	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.28	2
1939	Dry	0.55	0.85	0.97	0.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.43	4
1940	Above Normal	0.00	0.00	0.00	0.98	0.89	0.85	0.00	0.00	0.00	0.00	0.24	0.36	3
1941	Wet	0.72	0.90	0.99	0.98	0.00	0.00	0.00	0.00	0.00	0.02	0.14	0.31	4
1942	Wet	0.62	0.87	0.98	0.97	0.00	0.00	0.00	0.00	0.00	0.05	0.17	0.32	4
1943	Wet	0.91	0.87	0.98	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.29	4
1944	Dry	0.59	0.86	0.98	0.96	0.85	0.86	0.00	0.00	0.00	0.00	0.00	0.00	5
1945	Below Normal	0.00	0.91	0.99	0.98	0.00	0.00	0.00	0.00	0.00	0.09	0.11	0.34	3
1946	Below Normal	0.00	0.88	0.98	0.97	0.00	0.02	0.00	0.00	0.00	0.13	0.23	0.00	3
1947	Dry	0.71	0.89	0.99	0.98	0.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4
1948	Below Normal	0.00	0.56	0.00	0.00	0.89	0.00	0.00	0.00	0.00	0.10	0.20	0.34	2
1949	Dry	0.68	0.00	0.98	0.97	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.35	3
1950	Below Normal	0.00	0.87	0.85	0.98	0.84	0.00	0.00	0.00	0.00	0.00	0.33	0.54	4
1951	Above Normal	0.00	0.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.33	1
1952	Wet	0.66	0.88	0.98	0.97	0.87	0.00	0.00	0.00	0.00	0.00	0.07	0.28	5
1953	Wet	0.55	0.85	0.97	0.96	0.22	0.00	0.00	0.00	0.00	0.11	0.21	0.34	4
1954	Above Normal	0.69	0.89	0.99	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.34	4
1955	Dry	0.68	0.88	0.98	0.97	0.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4
1956	Wet	0.00	0.80	1.00	0.99	0.00	0.00	0.00	0.00	0.00	0.09	0.19	0.34	3
1957	Above Normal	0.67	0.88	0.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.33	3
1958	Wet	0.66	0.88	0.98	0.97	0.83	0.00	0.00	0.00	0.00	0.00	0.07	0.28	5
1959	Below Normal	0.55	0.85	0.97	0.96	0.81	0.00	0.00	0.00	0.00	0.11	0.00	0.00	4
1960	Dry	0.00	0.89	0.00	0.97	0.00	0.55	0.00	0.00	0.00	0.00	0.00	0.00	2
1961	Dry	0.00	0.94	0.00	1.00	0.41	0.00	0.00	0.00	0.00	0.13	0.00	0.09	3
1962	Below Normal	0.00	0.61	0.00	0.16	0.84	0.84	0.00	0.00	0.00	0.00	0.22	0.35	3
1963	Wet	0.70	0.89	0.99	0.98	0.84	0.00	0.00	0.00	0.00	0.00	0.17	0.33	5
1964	Dry	0.65	0.88	0.98	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3
1965	Wet	0.00	0.92	1.00	0.99	0.86	0.00	0.00	0.00	0.00	0.06	0.17	0.32	4
1966	Below Normal	0.65	0.87	0.98	0.97	0.83	0.00	0.00	0.00	0.00	0.00	0.20	0.34	5
1967	Wet	0.68	0.00	0.98	0.97	0.84	0.00	0.00	0.00	0.00	0.00	0.07	0.28	4
1968	Below Normal	0.55	0.85	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.20	0.00	3
1969	Wet	0.00	0.89	0.98	0.97	0.84	0.00	0.00	0.00	0.00	0.00	0.07	0.28	4
1970	Wet	0.55	0.85	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.33	3
1971	Wet	0.67	0.88	0.98	0.97	0.22	0.83	0.00	0.00	0.00	0.00	0.21	0.35	5
1972	Below Normal	0.93	0.89	0.99	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.35	4
1973	Above Normal	0.70	0.89	0.99	0.98	0.84	0.24	0.00	0.00	0.00	0.09	0.19	0.34	5
1974	Wet	0.67	0.88	0.98	0.97	0.83	0.00	0.00	0.00	0.00	0.02	0.14	0.31	5
1975	Wet	0.91	0.87	0.98	0.97	0.83	0.00	0.00	0.00	0.00	0.10	0.20	0.34	5
1976	Critical	0.68	0.88	0.98	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4
1977	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1978	Above Normal	0.00	0.00	0.00	1.01	0.89	0.83	0.00	0.00	0.00	0.00	0.07	0.28	3
1979	Below Normal	0.55	0.85	0.97	0.96	0.81	0.00	0.00	0.00	0.00	0.09	0.07	0.34	5
1980	Above Normal	0.67	0.88	0.98	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.30	4
1981	Dry	0.60	0.86	0.98	0.96	0.82	0.00	0.00	0.00	0.00	0.07	0.18	0.33	5
1982	Wet	0.00	0.88	0.98	0.97	0.83	0.00	0.00	0.00	0.00	0.00	0.07	0.28	4
1983	Wet	0.55	0.85	0.97	0.96	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.28	4
1984	Wet	0.55	0.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.34	2
1985	Dry	0.69	0.89	0.99	0.97	0.78	0.00	0.00	0.00	0.00	0.09	0.19	0.34	5
1986	Wet	0.26	0.87	0.98	0.97	0.84	0.00	0.00	0.00	0.00	0.00	0.22	0.35	4
1987	Dry	0.70	0.89	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3
1988	Critical	0.00	0.92	1.00	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3
1989	Dry	0.00	0.00	0.00	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	2
1990	Critical	0.00	0.92	0.00	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2
1991	Critical	0.00	0.00	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.00	0.00	0.00	1
1992	Critical	0.00	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1
1993	Above Normal	0.00	0.00	0.00	0.99	0.86	0.85	0.00	0.00	0.00	0.12	0.00	0.35	3
1994	Critical	0.69	0.89	0.99	0.98	0.00	0.00	0.00	0.00	0.00	0.05	0.16	0.32	4
1995	Wet	0.00	0.00	0.82	0.97	0.83	0.77	0.00	0.00	0.00	0.00	0.07	0.28	4
1996	Wet	0.55	0.85	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.15	0.31	3
1997	Wet	0.63	0.87	0.98	0.97	0.46	0.00	0.00	0.00	0.00	0.00	0.21	0.00	4
1998	Wet	0.00	0.89	0.99	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.28	3
1999	Wet	0.55	0.85	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.34	3
2000	Above Normal	0.68	0.88	0.98	0.97	0.87	0.00	0.00	0.00	0.00	0.00	0.18	0.33	5
2001	Dry	0.65	0.88	0.17	0.97	0.83	0.90	0.00	0.00	0.00	0.00	0.00	0.00	4
2002	Dry	0.00	0.11	1.00	0.99	0.00	0.83	0.00	0.00	0.00	0.10	0.20	0.34	4
2003	Above Normal	0.68	0.88	0.98	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.35	4
Average		0	1	1	1	0	0	0	0	0	0	0	0	3
Wet		0	1	1	1	0	0	0	0	0	0	0	0	4
Above Normal		0	1	1	1	0	0	0	0	0	0	0	0	4
Below Normal		0	1	1	1	0	0	0	0	0	0	0	0	3
Dry		0	1	1	1	0	0	0	0	0	0	0	0	3
Critical		0	0	0	1	0	0	0	0	0	0	0	0	2

Difference in Energy Use (GWh) At Pumping Plant at DMC Intertie: CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	-1	0	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	-1	-1	0	0	0	0	0	0	0	0
1926	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1927	Wet	0	0	0	0	-1	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	0	-1	0	0	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	0	1	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1932	Dry	0	0	0	-1	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1935	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1940	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1945	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1946	Below Norma	-1	0	0	0	0	0	0	0	0	0	0	0	0
1947	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1948	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1949	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1951	Above Norma	0	0	-1	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	1	0	1	0	0	0	0	0	0	0	0	0
1961	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Norma	0	1	0	-1	0	0	0	0	0	0	0	0	0
1963	Wet	0	0	0	0	1	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1965	Wet	0	0	0	0	1	0	0	0	0	0	0	0	0
1966	Below Norma	0	0	0	0	1	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Norma	0	0	0	0	0	1	0	0	0	0	0	0	0
1979	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	Above Norma	1	1	0	0	0	0	0	0	0	0	0	0	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Below Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Dry		0	0	0	0	0	0	0	0	0	0	0	0	0
Critical		0	0	0	0	0	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at DMC Intertie: CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norm	0%	0%	0%	0%	0%	-	-	-	-	0%	0%	0%
1923	Below Norm	0%	0%	0%	0%	-	-	-	-	-	-100%	-	6%
1924	Critical	7%	-100%	-	1%	-	-	-	-	-	-	-	-
1925	Dry	-	-	0%	-100%	-100%	-	-	-	-	-	-	-7%
1926	Dry	-	-	-	0%	67%	-	-	-	-	-	-	-
1927	Wet	-	-1%	0%	0%	-100%	-	-	-	-	-	34691090%	0%
1928	Above Norm	0%	0%	0%	0%	-100%	-	-	-	-	-	3%	-100%
1929	Critical	1%	0%	0%	0%	-	-	-	-	-	-	-	-
1930	Dry	-	-	0%	0%	-	-	-	-	-	-	-	-
1931	Critical	-	-	-	0%	-	-	-	-	-	-	-	-
1932	Dry	-	-	0%	-100%	-	-	-	-	-	-	-	-2%
1933	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1934	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1935	Below Norm	-	-	-	0%	-	-	-	-	-	-	-	1%
1936	Below Norm	-	-	-	0%	-	-	-	-	-	-	-	4%
1937	Below Norm	-	-	0%	-	-	-	-	-	-	-	-	3%
1938	Wet	-	0%	0%	-	-	-	-	-	-	-	0%	0%
1939	Dry	-38%	0%	0%	0%	-	-	-	-	-	-	-	-
1940	Above Norm	-	-	-	0%	0%	0%	-	-	-	-	0%	0%
1941	Wet	0%	0%	0%	0%	-	-	-	-	-	0%	0%	0%
1942	Wet	0%	0%	0%	0%	-	-	-	-	-	0%	0%	0%
1943	Wet	42%	0%	0%	0%	-	-	-	-	-	-	0%	0%
1944	Dry	0%	0%	0%	0%	0%	-2%	-	-	-	-	-	-
1945	Below Norm	-	-1%	0%	0%	-	-	-	-	-	17%	-39%	2%
1946	Below Norm	-100%	0%	0%	0%	-	-	-	-	-	-	-3%	-
1947	Dry	-1%	0%	0%	0%	0%	-	-	-	-	-	-	-
1948	Below Norm	-	21%	-	-	0%	-	-	-	-	-19%	-	-3%
1949	Dry	22%	-	0%	0%	-	-	-	-	-	0%	-	0%
1950	Below Norm	-	22%	10%	0%	0%	-	-	-	-	-	-3%	-4%
1951	Above Norm	-	0%	-100%	-	-	-	-	-	-	-	0%	0%
1952	Wet	0%	0%	0%	0%	0%	-	-	-	-	-	0%	0%
1953	Wet	0%	0%	0%	0%	0%	-	-	-	-	0%	0%	0%
1954	Above Norm	0%	0%	0%	0%	-	-	-	-	-	-	0%	0%
1955	Dry	0%	0%	0%	0%	0%	-	-	-	-	-	-	-
1956	Wet	-	6%	0%	0%	-	-	-	-	-	0%	0%	0%
1957	Above Norm	-27%	0%	0%	-	-	-	-	-	-	-	0%	0%
1958	Wet	0%	0%	0%	0%	0%	-	-	-	-	-	0%	0%
1959	Below Norm	0%	0%	0%	0%	0%	-	-	-	-	0%	-	-
1960	Dry	-	-	-	-	-	0%	-	-	-	-	-	-
1961	Dry	-	0%	-	0%	-53%	-	-	-	-	-	-100%	-
1962	Below Norm	-	-	-100%	-83%	0%	-1%	-	-	-	-100%	-7%	69%
1963	Wet	-2%	-1%	0%	0%	2539%	-	-	-	-	-	0%	0%
1964	Dry	0%	0%	0%	0%	-	-	-	-	-	-	-	-100%
1965	Wet	-	0%	0%	0%	-	-	-	-	-	-38%	-14%	-4%
1966	Below Norm	-4%	-1%	0%	0%	-	-	-	-	-	-	0%	0%
1967	Wet	0%	-	0%	0%	0%	-	-	-	-	-	0%	0%
1968	Below Norm	0%	0%	0%	-	-	-	-	-	-	-	0%	-
1969	Wet	-	0%	0%	0%	0%	-	-	-	-	-	0%	0%
1970	Wet	0%	0%	0%	-	-	-	-	-	-	-	-11%	-3%
1971	Wet	-3%	-1%	0%	0%	-	0%	-	-	-	-	0%	0%
1972	Below Norm	34%	0%	0%	0%	-100%	-	-	-	-	-	0%	0%
1973	Above Norm	0%	0%	0%	0%	0%	68%	-	-	-	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	-	-	-	-	0%	0%	0%
1975	Wet	46%	0%	0%	0%	0%	-	-	-	-	-	0%	0%
1976	Critical	0%	0%	0%	0%	-	-	-	-	-	-	-	-
1977	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1978	Above Norm	-	-	-	0%	0%	-	-	-	-	-	0%	0%
1979	Below Norm	0%	0%	0%	0%	0%	-	-	-	-	-14%	-	-2%
1980	Above Norm	-2%	0%	0%	0%	-	-	-	-	-	-	0%	0%
1981	Dry	0%	0%	0%	0%	0%	-	-	-	-	0%	0%	0%
1982	Wet	-	0%	0%	0%	0%	-	-	-	-	-	0%	0%
1983	Wet	0%	0%	0%	0%	-	-	-	-	-	-	0%	0%
1984	Wet	0%	0%	-	-	-	-	-	-	-	-	0%	0%
1985	Dry	0%	0%	0%	0%	0%	-	-	-	-	-25%	-10%	-3%
1986	Wet	-7%	-3%	0%	0%	0%	-	-	-	-	-	-10%	-3%
1987	Dry	-3%	-1%	0%	-	-	-	-	-	-	-	-	-
1988	Critical	-	6%	0%	0%	-	-	-	-	-	-	-	-
1989	Dry	-	-	-	0%	-	0%	-	-	-	-	-	-
1990	Critical	-	0%	-	0%	-	-	-	-	-	-	-	-
1991	Critical	-	-	-	-	-	0%	-	-	-	-	-	-
1992	Critical	-	-	-	-	0%	-	-	-	-	-	-	-
1993	Above Norm	-	-	-	0%	0%	0%	-	-	-	-1%	-	0%
1994	Critical	0%	0%	0%	0%	-	-	-	-	-	0%	0%	0%
1995	Wet	-	-	-16%	0%	0%	0%	-	-	-	-	0%	0%
1996	Wet	0%	0%	0%	-	-	-	-	-	-	0%	0%	0%
1997	Wet	0%	0%	0%	0%	-44%	-	-	-	-	-	0%	-
1998	Wet	-	0%	0%	0%	-	-	-	-	-	-	0%	0%
1999	Wet	0%	0%	0%	-	-	-	-	-	-	-	0%	0%
2000	Above Norm	0%	0%	0%	0%	0%	-	-	-	-	-	0%	0%
2001	Dry	0%	0%	111%	0%	0%	-1%	-	-	-	-	-	-
2002	Dry	-	-	0%	0%	-	-1%	-	-	-	-15%	-	-2%
2003	Above Norm	-	-	0%	0%	-	-	-	-	-	-	-13%	-4%
Average		-1%	-1%	-2%	-4%	59%	5%	#DIV/0!	#DIV/0!	#DIV/0!	-14%	722727%	-3%
Wet		3%	0%	-1%	0%	92%	0%	0%	0%	0%	-1%	1334271%	0%
Above Norm		-2%	0%	-8%	0%	-8%	6%	0%	0%	0%	0%	-1%	-9%
Below Norm		-5%	3%	-6%	-6%	-7%	0%	0%	0%	0%	-15%	-4%	6%
Dry		-1%	0%	6%	-11%	-5%	0%	0%	0%	0%	-2%	-6%	-6%
Critical		1%	-8%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Difference in Energy Use (GWh) At Pumping Plant at DMC Other: CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1927	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1932	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1935	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1940	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1945	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1946	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1947	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1948	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1949	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1951	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1961	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1963	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1965	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1966	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Below Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Dry		0	0	0	0	0	0	0	0	0	0	0	0	0
Critical		0	0	0	0	0	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at DMC Other: CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1923	Below Norma	0%	0%	0%	0%	0%	-1%	0%	-2%	-2%	-2%	-2%	-1%
1924	Critical	-1%	-1%	-1%	-2%	-4%	0%	0%	0%	0%	0%	0%	0%
1925	Dry	0%	0%	0%	0%	0%	0%	0%	1%	1%	1%	1%	0%
1926	Dry	0%	0%	1%	1%	2%	1%	1%	1%	1%	1%	1%	0%
1927	Wet	0%	0%	1%	1%	3%	0%	0%	0%	0%	0%	0%	0%
1928	Above Norma	0%	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%
1929	Critical	0%	0%	0%	0%	-1%	1%	1%	1%	1%	1%	1%	1%
1930	Dry	0%	0%	1%	1%	3%	0%	0%	0%	0%	0%	0%	0%
1931	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1932	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1933	Critical	0%	0%	0%	1%	1%	0%	0%	0%	0%	0%	0%	0%
1934	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1935	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1936	Below Norma	0%	0%	0%	0%	-1%	0%	-1%	-1%	0%	0%	0%	0%
1937	Below Norma	0%	0%	0%	-1%	-2%	1%	0%	-1%	0%	0%	0%	0%
1938	Wet	0%	0%	0%	-1%	-2%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1940	Above Norma	0%	0%	0%	1%	1%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1942	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	-21%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1944	Dry	0%	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%	1%
1945	Below Norma	0%	0%	1%	1%	6%	0%	0%	0%	0%	0%	0%	0%
1946	Below Norma	0%	0%	0%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%
1947	Dry	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%
1948	Below Norma	0%	0%	0%	0%	-1%	0%	0%	1%	1%	1%	1%	0%
1949	Dry	0%	0%	1%	1%	2%	0%	0%	0%	0%	0%	0%	0%
1950	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1951	Above Norma	0%	0%	0%	1%	2%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1955	Dry	0%	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%	0%
1956	Wet	0%	0%	1%	2%	5%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norma	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1958	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1960	Dry	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1961	Dry	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%	1%	0%
1962	Below Norma	0%	0%	0%	1%	2%	1%	1%	1%	1%	1%	1%	0%
1963	Wet	0%	0%	0%	1%	3%	0%	0%	0%	0%	0%	0%	0%
1964	Dry	0%	0%	0%	0%	0%	0%	1%	1%	1%	1%	1%	0%
1965	Wet	0%	0%	0%	2%	4%	0%	1%	1%	1%	1%	1%	1%
1966	Below Norma	0%	0%	1%	2%	3%	-1%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1968	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1969	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	1%	0%	1%	1%	1%	1%	0%
1971	Wet	0%	0%	1%	1%	2%	0%	0%	0%	0%	0%	0%	0%
1972	Below Norma	-15%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1973	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	-2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	-1%	0%
1977	Critical	0%	0%	0%	-1%	-1%	0%	0%	0%	0%	0%	-12%	0%
1978	Above Norma	0%	0%	0%	0%	0%	-5%	0%	0%	0%	0%	0%	0%
1979	Below Norma	0%	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%
1980	Above Norma	0%	0%	0%	1%	2%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1982	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%	0%
1986	Wet	0%	0%	1%	1%	4%	1%	2%	2%	2%	1%	1%	1%
1987	Dry	0%	0%	1%	1%	2%	0%	0%	0%	0%	0%	0%	0%
1988	Critical	0%	0%	0%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%
1989	Dry	0%	0%	0%	1%	1%	0%	0%	0%	0%	1%	1%	0%
1990	Critical	0%	0%	0%	1%	1%	0%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	0%	0%	0%	0%	1%	1%	1%	1%	1%	0%
1992	Critical	0%	0%	0%	1%	2%	0%	0%	0%	0%	0%	0%	0%
1993	Above Norma	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1995	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1998	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2001	Dry	0%	0%	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%
2002	Dry	0%	0%	1%	2%	3%	1%	0%	0%	0%	1%	1%	0%
2003	Above Norma	0%	0%	0%	1%	1%	0%	1%	1%	1%	1%	1%	1%
Average		0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%
Wet		-1%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%
Above Norma		0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%
Below Norma		-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Dry		0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%
Critical		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	0%

Difference in Energy Use (GWh) At Pumping Plant at Folsom: CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1927	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1932	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1935	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1940	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1945	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1946	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1947	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1948	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1949	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1951	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1961	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1963	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1965	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1966	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Below Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Dry		0	0	0	0	0	0	0	0	0	0	0	0	0
Critical		0	0	0	0	0	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at Folsom: CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1923	Below Norma	0%	0%	0%	0%	0%	-2%	-2%	-2%	-2%	-3%	-4%	-4%
1924	Critical	0%	1%	0%	0%	0%	-4%	-3%	-3%	-3%	-2%	-2%	-2%
1925	Dry	-1%	0%	0%	0%	0%	0%	0%	0%	1%	4%	7%	4%
1926	Dry	0%	0%	1%	1%	1%	2%	3%	1%	-2%	-3%	-4%	-3%
1927	Wet	-1%	-2%	-5%	-3%	1%	0%	0%	0%	0%	-23%	-34%	-14%
1928	Above Norma	0%	0%	0%	-2%	-2%	-1%	0%	-3%	-9%	-12%	-10%	-11%
1929	Critical	-13%	-11%	-9%	-7%	-8%	-8%	-9%	-10%	-6%	-1%	0%	2%
1930	Dry	2%	2%	2%	2%	2%	0%	0%	-2%	-3%	4%	5%	0%
1931	Critical	-2%	-1%	-1%	2%	3%	4%	5%	5%	4%	1%	0%	-1%
1932	Dry	-1%	0%	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%
1933	Critical	1%	1%	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%
1934	Critical	0%	0%	0%	1%	0%	-1%	-1%	-1%	0%	0%	0%	0%
1935	Below Norma	0%	1%	1%	1%	2%	2%	1%	0%	0%	0%	0%	0%
1936	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	-2%	-2%	0%
1937	Below Norma	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1938	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	0%	0%	-3%	-6%	-6%	-8%	-7%	-3%
1940	Above Norma	-1%	-2%	-3%	-4%	0%	0%	0%	-2%	-3%	-4%	-3%	-3%
1941	Wet	-5%	-8%	-8%	-2%	0%	0%	0%	0%	0%	0%	0%	0%
1942	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1944	Dry	0%	0%	0%	0%	1%	2%	2%	3%	-4%	-8%	-5%	-3%
1945	Below Norma	-2%	-2%	-3%	-3%	-1%	0%	0%	-1%	-1%	-5%	-11%	-7%
1946	Below Norma	0%	17%	0%	0%	-3%	-2%	0%	0%	0%	10%	5%	-9%
1947	Dry	-12%	-8%	-4%	-3%	-3%	-1%	0%	0%	-3%	-5%	-3%	0%
1948	Below Norma	1%	1%	1%	-2%	-3%	-1%	-1%	0%	0%	1%	3%	2%
1949	Dry	0%	0%	0%	0%	-2%	-2%	0%	0%	-6%	-11%	-12%	-9%
1950	Below Norma	-6%	-5%	-4%	-2%	0%	0%	0%	0%	0%	0%	0%	0%
1951	Above Norma	-3%	-3%	0%	0%	0%	0%	0%	0%	-3%	-6%	-7%	-12%
1952	Wet	-15%	-12%	-5%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	-1%	0%
1954	Above Norma	0%	0%	0%	0%	0%	0%	0%	-1%	-3%	-3%	-3%	-3%
1955	Dry	-3%	-2%	-2%	-2%	-6%	-11%	-11%	-12%	-11%	-13%	-11%	-6%
1956	Wet	-4%	-3%	-2%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	-1%	-2%	-2%	-3%
1958	Wet	-3%	-2%	-2%	-3%	-1%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	0%	0%	0%	-1%	-2%	-2%	-1%	0%	0%	0%
1960	Dry	0%	0%	0%	0%	0%	2%	0%	0%	0%	0%	-1%	-1%
1961	Dry	-1%	0%	0%	0%	0%	0%	1%	1%	1%	3%	3%	3%
1962	Below Norma	3%	3%	2%	3%	4%	1%	0%	0%	-1%	-1%	-4%	-7%
1963	Wet	-4%	0%	0%	0%	0%	-3%	-4%	0%	0%	-1%	-1%	-1%
1964	Dry	-1%	-1%	0%	0%	0%	0%	0%	0%	-2%	-2%	0%	0%
1965	Wet	0%	1%	1%	0%	0%	-2%	-3%	-4%	-4%	-1%	-2%	-1%
1966	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	28%	-5%	0%	0%	0%	0%	0%	0%	0%	0%
1968	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	1%	1%	0%	0%
1969	Wet	0%	0%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	1%	1%	1%	0%	0%	-1%	-1%
1971	Wet	-1%	-1%	0%	1%	-1%	-2%	0%	0%	0%	0%	0%	0%
1972	Below Norma	0%	0%	0%	0%	0%	0%	0%	1%	-2%	-2%	-5%	-12%
1973	Above Norma	-14%	-13%	-7%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	-1%	0%	1%	2%	2%	3%	4%
1977	Critical	3%	2%	1%	1%	1%	1%	1%	2%	2%	4%	-11%	0%
1978	Above Norma	5%	4%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1979	Below Norma	0%	0%	1%	0%	0%	-1%	-1%	-1%	-2%	-3%	-3%	-2%
1980	Above Norma	0%	10%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1982	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	-3%	-6%	-9%	-11%	-12%	-8%
1985	Dry	-3%	-2%	0%	0%	0%	2%	3%	3%	0%	-1%	0%	1%
1986	Wet	1%	1%	2%	1%	0%	1%	1%	1%	1%	0%	0%	1%
1987	Dry	1%	1%	1%	1%	1%	1%	0%	-1%	-2%	-4%	-1%	-1%
1988	Critical	-1%	-1%	-1%	-1%	-1%	-1%	-2%	-1%	-1%	-1%	0%	0%
1989	Dry	0%	0%	3%	7%	10%	11%	0%	0%	1%	1%	0%	2%
1990	Critical	4%	2%	1%	2%	1%	0%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%
1992	Critical	1%	1%	1%	1%	1%	1%	0%	-1%	-1%	-1%	-1%	-1%
1993	Above Norma	-1%	-2%	-1%	-2%	0%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	0%	0%	0%	0%	0%	-2%	-7%	-6%	-8%
1995	Wet	-7%	-5%	-8%	-6%	0%	0%	0%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	-3%	-5%	-5%
1998	Wet	-4%	-4%	-3%	-1%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norma	0%	0%	0%	0%	0%	0%	0%	-2%	-4%	-4%	-3%	-1%
2001	Dry	-1%	-1%	0%	-1%	-1%	-1%	-1%	-1%	-1%	0%	0%	0%
2002	Dry	0%	0%	0%	0%	-3%	-5%	-6%	-6%	-6%	-2%	1%	-1%
2003	Below Norma	-3%	-1%	-1%	0%	-2%	-2%	0%	0%	-8%	-15%	-9%	-1%
Average		-1%	0%	0%	0%	0%	0%	0%	-1%	-1%	-2%	-2%	-2%
Above Norma		-2%	-1%	0%	-1%	0%	0%	0%	0%	0%	-2%	-2%	-1%
Below Norma		-1%	0%	-1%	-1%	0%	0%	0%	-1%	-3%	-4%	-3%	-3%
Dry		0%	1%	0%	0%	0%	0%	0%	0%	-1%	0%	-2%	-3%
Critical		-1%	-1%	0%	0%	0%	0%	-1%	-1%	-2%	-2%	-1%	-1%

Difference in Energy Use (GWh) At Pumping Plant at Misc: CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1927	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1932	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1935	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1940	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1945	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1946	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1947	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1948	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1949	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1951	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1961	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1963	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1965	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1966	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Below Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Dry		0	0	0	0	0	0	0	0	0	0	0	0	0
Critical		0	0	0	0	0	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at Misc: CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1923	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1924	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1925	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1926	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1927	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1928	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1929	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1930	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1931	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1932	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1933	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1934	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1935	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1936	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1937	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1938	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1940	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1942	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1944	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1945	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1946	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1947	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1948	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1949	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1950	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1951	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1955	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1956	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1958	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1960	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1961	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1962	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1963	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1964	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1965	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1966	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1968	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1969	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1972	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1973	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1977	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1978	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1979	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1980	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1982	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1986	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1987	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1988	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1989	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1990	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1992	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1993	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1995	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1998	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2001	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2002	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2003	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Average		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Wet		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Above Norma		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Below Norma		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Dry		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Critical		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Difference in Energy Use (GWh) At Pumping Plant at O'Neill: CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	0	0	-1	-1	0	0
1924	Critical	0	0	-1	0	7	0	0	0	0	0	0	4	1
1925	Dry	3	0	0	-4	-12	-1	0	0	0	0	0	0	-1
1926	Dry	0	0	0	0	0	1	0	0	0	0	0	1	0
1927	Wet	1	0	0	0	0	-1	0	0	0	2	0	0	0
1928	Above Norma	0	0	0	0	-1	-2	0	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	0	2	0	0	0	0	0	0	-1	0
1931	Critical	-1	0	0	0	7	0	0	0	0	0	0	0	1
1932	Dry	0	0	0	-4	-1	0	0	0	0	0	0	0	0
1933	Critical	0	0	2	0	0	0	0	0	0	0	0	1	0
1934	Critical	0	0	0	-2	0	0	0	0	0	0	0	0	0
1935	Below Norma	0	0	0	0	0	1	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	0	0	-2	0	0	0	0	0	0	0	0	0
1938	Wet	0	0	0	-2	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	1	0	0	0	0	0	2	0
1940	Above Norma	-1	-1	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	2	0	0	0	-2	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1945	Below Norma	0	0	0	0	1	0	0	0	0	0	0	0	0
1946	Below Norma	0	0	0	0	-1	1	0	0	0	2	0	0	0
1947	Dry	0	0	0	0	0	-3	0	0	0	0	0	0	0
1948	Below Norma	0	0	0	-2	0	0	0	0	0	0	1	0	0
1949	Dry	0	0	0	0	0	2	0	0	0	0	0	0	0
1950	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1951	Above Norma	4	0	-1	-3	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	-1	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	-4	0	0	0	2	0	0	0
1956	Wet	0	0	0	0	1	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	3	-2	1	-1	0	0	0	0	0	0	0	0
1961	Dry	0	0	2	0	0	0	0	0	0	0	-1	3	0
1962	Below Norma	1	4	-1	0	0	0	0	0	0	-2	0	0	0
1963	Wet	0	0	0	0	0	1	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	0	0	0	0	1	0	-3	0
1965	Wet	0	0	0	0	4	0	0	0	0	0	0	0	0
1966	Below Norma	0	0	0	0	1	3	0	0	0	0	0	0	0
1967	Wet	0	1	0	0	0	-1	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	1	0	0	0	0	-1	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	2	0	0	0	0	0	0	0	0
1972	Below Norma	1	0	0	0	-1	0	0	0	0	0	0	0	0
1973	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	-1	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	2	0	0	0	-1	0	0	0	0	-1	0	2	0
1978	Above Norma	-5	0	0	0	0	3	1	0	0	0	0	0	0
1979	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	Above Norma	0	0	0	0	2	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	1	0	0	0	0	-1	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	4	0	0	0	0	0	0	0
1986	Wet	0	0	0	0	0	3	0	0	0	0	0	0	0
1987	Dry	0	0	0	3	0	0	0	0	0	-1	0	1	0
1988	Critical	-2	0	0	0	1	0	0	0	0	0	0	0	0
1989	Dry	0	0	4	0	3	0	0	0	0	0	0	0	1
1990	Critical	0	0	1	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	3	0	0	0	0	0	0	0
1993	Above Norma	0	1	-1	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	4	0	0	0	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	-1	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	-1	0	0	0	2	0	0	0	0	0	0	0	0
2003	Above Norma	2	1	0	0	-3	5	0	0	0	0	0	0	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Below Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Dry		0	0	0	0	0	0	0	0	0	0	0	0	0
Critical		0	0	0	0	1	0	0	0	0	0	0	1	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at O'Neill: CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1923	Below Norma	0%	0%	0%	0%	0%	-9%	3%	-	-	-49%	-50%	3%
1924	Critical	1%	-2%	-13%	0%	-	-	-	-	-	-	-	-
1925	Dry	105%	-17%	0%	-25%	-96%	-35%	4%	-	-	-	-	-1%
1926	Dry	0%	0%	1%	0%	0%	50%	11%	-	-	-	-	-
1927	Wet	48%	0%	0%	0%	-2%	-16%	0%	-	-	-	0%	0%
1928	Above Norma	0%	0%	0%	0%	-6%	-44%	0%	-	-	-	3%	0%
1929	Critical	0%	0%	0%	0%	0%	-	-	-	-	-	-	-5%
1930	Dry	-1%	0%	0%	0%	16%	9%	-	-	-	-	-	-31%
1931	Critical	-34%	2%	2%	0%	591%	-9%	-	-	-	-	-	0%
1932	Dry	0%	1%	0%	-29%	-46%	-	-	-	-	-	-100%	0%
1933	Critical	0%	0%	31%	8%	8%	-	-	-	-	-	-	47%
1934	Critical	4%	9%	-1%	-29%	0%	-	-	-	-	-	-	-
1935	Below Norma	-	-1%	2%	0%	0%	17%	-4%	-	-	-	-	0%
1936	Below Norma	0%	0%	1%	0%	-11%	-3%	-3%	23%	-	-	-	0%
1937	Below Norma	1%	0%	0%	-14%	-4%	4%	-2%	-3%	-	-	-	0%
1938	Wet	3%	0%	0%	-27%	-4%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	-2%	0%	0%	0%	0%	21%	-	-	-	-	-	57%
1940	Above Norma	-10%	-17%	-2%	0%	0%	0%	0%	-	-	-	0%	0%
1941	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1942	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	23%	0%	0%	0%	-22%	0%	0%	-6%	-	0%	0%	0%
1944	Dry	0%	0%	0%	0%	0%	0%	-	-	-	-	-	0%
1945	Below Norma	-2%	0%	0%	0%	12%	-2%	0%	-	-	9%	4%	1%
1946	Below Norma	0%	0%	0%	0%	-23%	16%	-7%	-	-	-	-3%	-11%
1947	Dry	0%	0%	0%	0%	0%	-52%	-	-	-	-	-	1%
1948	Below Norma	-1%	0%	1%	-13%	0%	0%	-1%	-	-	-12%	64%	-1%
1949	Dry	0%	0%	0%	0%	0%	35%	-	-	-	0%	-2%	0%
1950	Below Norma	-6%	0%	0%	0%	0%	4%	-2%	-	-	-	-2%	0%
1951	Above Norma	142%	0%	-7%	-46%	4%	0%	0%	-	-	-	0%	0%
1952	Wet	0%	0%	0%	0%	0%	-10%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	-14%	0%	-	-	0%	0%	0%
1954	Above Norma	0%	0%	0%	0%	0%	0%	0%	-	-	-	0%	0%
1955	Dry	0%	0%	0%	0%	0%	-61%	-	-	-	-	-	4%
1956	Wet	-1%	0%	0%	0%	7%	0%	0%	-4%	0%	0%	0%	0%
1957	Above Norma	-1%	0%	0%	4%	0%	0%	0%	-	-	0%	0%	0%
1958	Wet	0%	0%	0%	0%	0%	2%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	0%	0%	0%	0%	-	-	-	0%	-3%	2%
1960	Dry	0%	36%	-34%	11%	-5%	0%	-	-	-	-	-	0%
1961	Dry	-2%	0%	15%	0%	0%	-13%	-	-	-	11%	-38%	117%
1962	Below Norma	-	68%	-6%	0%	0%	0%	-15%	-	-	-100%	-6%	-1%
1963	Wet	0%	0%	0%	0%	0%	16%	0%	-	-	-	0%	0%
1964	Dry	0%	0%	0%	0%	0%	-2%	-	-	-	-	-	-55%
1965	Wet	-3%	0%	0%	0%	39%	7%	-1%	-	-	-20%	-11%	-2%
1966	Below Norma	0%	0%	0%	0%	6%	75%	0%	-	-	3%	0%	0%
1967	Wet	0%	11%	0%	0%	0%	-8%	0%	0%	0%	0%	0%	0%
1968	Below Norma	0%	0%	0%	0%	0%	0%	0%	-	-	28%	0%	-14%
1969	Wet	12%	0%	0%	0%	0%	-8%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	4%	0%	-	-	-	-8%	-2%
1971	Wet	0%	0%	0%	0%	16%	0%	0%	-	-	-	0%	0%
1972	Below Norma	16%	0%	0%	-8%	0%	0%	-	-	-	-	0%	0%
1973	Above Norma	0%	0%	0%	0%	0%	0%	0%	-	-	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	-1%	0%	-	-	0%	0%	0%
1975	Wet	2%	0%	0%	0%	0%	-7%	0%	-	-	0%	0%	0%
1976	Critical	0%	0%	0%	0%	1%	-11%	-	-	-	-	-	-
1977	Critical	65%	0%	1%	-2%	-73%	-	-	-	-	-19%	-	179%
1978	Above Norma	-100%	-8%	2%	0%	0%	25%	11%	0%	0%	0%	0%	0%
1979	Below Norma	0%	0%	0%	0%	0%	-7%	0%	-14%	-	-8%	-4%	-1%
1980	Above Norma	0%	0%	0%	0%	28%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	0%	0%	3%	-	-	0%	0%	0%
1982	Wet	38%	0%	0%	0%	0%	-8%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	-	-	-	0%	0%
1985	Dry	0%	0%	0%	0%	0%	74%	-	-	-	-15%	-8%	-2%
1986	Wet	0%	0%	0%	0%	0%	67%	7%	-3%	-4%	-	-8%	-2%
1987	Dry	0%	0%	0%	44%	8%	2%	-	-	-	-100%	-	30%
1988	Critical	-31%	0%	0%	0%	19%	-	-	-	-	-	-	-3%
1989	Dry	-1%	1%	49%	0%	403%	0%	16%	-	-	-	-	1%
1990	Critical	5%	0%	5%	0%	-4%	0%	-	-	-	-	-	-
1991	Critical	0%	0%	-1%	8%	0%	0%	-	-	-	-	-	-2%
1992	Critical	-1%	0%	0%	0%	0%	67%	-8%	-	-	-	-	0%
1993	Above Norma	0%	32%	-6%	0%	0%	0%	0%	-	-5%	-1%	1%	0%
1994	Critical	0%	0%	0%	0%	1%	0%	-	-	-	0%	0%	0%
1995	Wet	290%	-1%	0%	0%	0%	0%	4%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	0%	-	-	-56%	0%	1%
1998	Wet	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	-	-	-2%	0%	0%
2000	Above Norma	0%	0%	0%	0%	0%	0%	0%	-	-	-	0%	0%
2001	Dry	0%	0%	0%	0%	0%	0%	-	-	-	-	-	-
2002	Dry	-14%	4%	0%	0%	86%	0%	19%	-	-	-9%	-2%	-1%
2003	Above Norma	38%	6%	0%	0%	-30%	131%	-8%	-	-	-	-11%	-2%
Average		7%	1%	0%	-1%	11%	4%	1%	0%	-1%	-8%	-3%	4%
Wet		16%	0%	0%	-1%	1%	1%	0%	-1%	0%	-3%	-1%	0%
Above Norma		6%	1%	-1%	-3%	0%	9%	0%	0%	0%	0%	-1%	0%
Below Norma		1%	5%	0%	-2%	-2%	7%	-2%	0%	0%	-9%	0%	-2%
Dry		5%	1%	2%	0%	20%	1%	3%	0%	0%	-6%	-8%	7%
Critical		1%	1%	2%	-1%	45%	4%	-1%	0%	0%	-2%	0%	18%

Energy Use (GWh) At Pumping Plant at Red Bluff: CONV_NA

Year Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922 Above Normal	0.08	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.18	0
1923 Below Normal	0.05	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.01	0
1924 Critical	0.11	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.06	0
1925 Dry	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0
1926 Dry	0.10	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.08	0
1927 Wet	0.05	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.20	0
1928 Above Normal	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0
1929 Critical	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0
1930 Dry	0.06	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0
1931 Critical	0.07	0.01	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.07	0
1932 Dry	0.05	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0
1933 Critical	0.06	0.01	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.06	0
1934 Critical	0.04	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0
1935 Below Normal	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0
1936 Below Normal	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0
1937 Below Normal	0.10	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0
1938 Wet	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0
1939 Dry	0.10	0.00	0.00	0.00	0.05	0.13	0.00	0.00	0.00	0.00	0.00	0.11	0
1940 Above Normal	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0
1941 Wet	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0
1942 Wet	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0
1943 Wet	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0
1944 Dry	0.14	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.02	0
1945 Below Normal	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0
1946 Below Normal	0.04	0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.27	0
1947 Dry	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0
1948 Below Normal	0.04	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.19	0
1949 Dry	0.10	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0
1950 Below Normal	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0
1951 Above Normal	0.04	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.19	0
1952 Wet	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0
1953 Wet	0.17	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.20	0
1954 Above Normal	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0
1955 Dry	0.16	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.11	0
1956 Wet	0.08	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.15	0
1957 Above Normal	0.11	0.02	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.01	0
1958 Wet	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0
1959 Below Normal	0.16	0.02	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.15	0
1960 Dry	0.16	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0
1961 Dry	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0
1962 Below Normal	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0
1963 Wet	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0
1964 Dry	0.07	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.11	0
1965 Wet	0.05	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.16	0
1966 Below Normal	0.16	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.16	0
1967 Wet	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0
1968 Below Normal	0.16	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0
1969 Wet	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0
1970 Wet	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0
1971 Wet	0.08	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.16	0
1972 Below Normal	0.14	0.00	0.00	0.00	0.00	0.19	0.00	0.00	0.00	0.00	0.00	0.03	0
1973 Above Normal	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0
1974 Wet	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0
1975 Wet	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0
1976 Critical	0.05	0.00	0.00	0.00	0.05	0.08	0.00	0.00	0.00	0.00	0.00	0.05	0
1977 Critical	0.06	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.06	0
1978 Above Normal	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0
1979 Below Normal	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0
1980 Above Normal	0.05	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0
1981 Dry	0.15	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0
1982 Wet	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0
1983 Wet	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0
1984 Wet	0.14	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.16	0
1985 Dry	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0
1986 Wet	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0
1987 Dry	0.12	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0
1988 Critical	0.07	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.06	0
1989 Dry	0.06	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0
1990 Critical	0.05	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1991 Critical	0.04	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0
1992 Critical	0.06	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0
1993 Above Normal	0.05	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0
1994 Critical	0.12	0.01	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.29	0
1995 Wet	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0
1996 Wet	0.18	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0
1997 Wet	0.06	0.01	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.27	0
1998 Wet	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0
1999 Wet	0.10	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0
2000 Above Normal	0.15	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0
2001 Dry	0.04	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0
2002 Dry	0.06	0.01	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.21	0
2003 Above Normal	0.12	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0
Average	0	0	0	0	0	0	0	0	0	0	0	0	0
Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal	0	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal	0	0	0	0	0	0	0	0	0	0	0	0	0
Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
Critical	0	0	0	0	0	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
Socioeconomic Appendix - Power and Energy Technical Report

Energy Use (GWh) At Pumping Plant at Red Bluff: CP1_2020

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	0.08	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.18	0
1923	Below Normal	0.05	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.01	0
1924	Critical	0.10	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.06	0
1925	Dry	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0
1926	Dry	0.11	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0
1927	Wet	0.05	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.20	0
1928	Above Normal	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0
1929	Critical	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0
1930	Dry	0.06	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0
1931	Critical	0.07	0.01	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.07	0
1932	Dry	0.05	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0
1933	Critical	0.06	0.01	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.06	0
1934	Critical	0.04	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0
1935	Below Normal	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0
1936	Below Normal	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0
1937	Below Normal	0.10	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0
1938	Wet	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0
1939	Dry	0.10	0.00	0.00	0.00	0.05	0.14	0.00	0.00	0.00	0.00	0.00	0.12	0
1940	Above Normal	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0
1941	Wet	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0
1942	Wet	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0
1943	Wet	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0
1944	Dry	0.15	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.03	0
1945	Below Normal	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0
1946	Below Normal	0.04	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.30	0
1947	Dry	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0
1948	Below Normal	0.04	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.18	0
1949	Dry	0.10	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0
1950	Below Normal	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0
1951	Above Normal	0.04	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.19	0
1952	Wet	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0
1953	Wet	0.17	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.20	0
1954	Above Normal	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0
1955	Dry	0.16	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.12	0
1956	Wet	0.08	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.15	0
1957	Above Normal	0.11	0.02	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.01	0
1958	Wet	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0
1959	Below Normal	0.16	0.02	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.15	0
1960	Dry	0.16	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0
1961	Dry	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0
1962	Below Normal	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0
1963	Wet	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0
1964	Dry	0.07	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.12	0
1965	Wet	0.05	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.19	0
1966	Below Normal	0.17	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.16	0
1967	Wet	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0
1968	Below Normal	0.16	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0
1969	Wet	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0
1970	Wet	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0
1971	Wet	0.09	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.16	0
1972	Below Normal	0.14	0.00	0.00	0.00	0.00	0.22	0.00	0.00	0.00	0.00	0.00	0.05	0
1973	Above Normal	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0
1974	Wet	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0
1975	Wet	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0
1976	Critical	0.05	0.00	0.00	0.00	0.05	0.07	0.00	0.00	0.00	0.00	0.00	0.04	0
1977	Critical	0.06	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.06	0
1978	Above Normal	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0
1979	Below Normal	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0
1980	Above Normal	0.05	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0
1981	Dry	0.15	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0
1982	Wet	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0
1983	Wet	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0
1984	Wet	0.14	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.16	0
1985	Dry	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0
1986	Wet	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0
1987	Dry	0.13	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0
1988	Critical	0.07	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.07	0
1989	Dry	0.07	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0
1990	Critical	0.05	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1991	Critical	0.04	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0
1992	Critical	0.06	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0
1993	Above Normal	0.05	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0
1994	Critical	0.12	0.01	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.29	0
1995	Wet	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0
1996	Wet	0.18	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0
1997	Wet	0.06	0.01	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.28	0
1998	Wet	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0
1999	Wet	0.10	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0
2000	Above Normal	0.15	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0
2001	Dry	0.04	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0
2002	Dry	0.07	0.01	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.24	0
2003	Above Normal	0.13	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal		0	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal		0	0	0	0	0	0	0	0	0	0	0	0	0
Dry		0	0	0	0	0	0	0	0	0	0	0	0	0
Critical		0	0	0	0	0	0	0	0	0	0	0	0	0

Difference in Energy Use (GWh) At Pumping Plant at Red Bluff: CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1927	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1932	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1935	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1940	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1945	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1946	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1947	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1948	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1949	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1951	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1961	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1963	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1965	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1966	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Below Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Dry		0	0	0	0	0	0	0	0	0	0	0	0	0
Critical		0	0	0	0	0	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at Red Bluff: CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	-	-	-	-	0%	-	-	-	-	-	0%
1923	Below Norma	0%	-	-	-	-	-13%	-	-	-	-	-	-17%
1924	Critical	-8%	-13%	-	-	-	0%	-	-	-	-	-	0%
1925	Dry	0%	-	-	-	-	-	-	-	-	-	-	8%
1926	Dry	5%	-	-	-	-	20%	-	-	-	-	-	-86%
1927	Wet	5%	-	-	-	-	0%	-	-	-	-	-	0%
1928	Above Norma	0%	-	-	-	-	-	-	-	-	-	-	-6%
1929	Critical	-2%	-	-	-	-	37%	-	-	-	-	-	37%
1930	Dry	10%	4%	-	-	-	-	-	-	-	-	-	2%
1931	Critical	1%	0%	-	-	-	0%	-	-	-	-	-	0%
1932	Dry	0%	0%	-	-	-	12%	-	-	-	-	-	5%
1933	Critical	4%	1%	-	-	-	0%	-	-	-	-	-	0%
1934	Critical	0%	0%	-	-	-	3%	-	-	-	-	-	1%
1935	Below Norma	1%	-	-	-	-	-	-	-	-	-	-	-1%
1936	Below Norma	0%	-	-	-	-	-4%	-	-	-	-	-	-23%
1937	Below Norma	-3%	-4%	-	-	-	-	-	-	-	-	-	-5%
1938	Wet	-1%	-	-	-	-	-	-	-	-	-	-	0%
1939	Dry	0%	0%	-	-	0%	7%	-	-	-	-	-	4%
1940	Above Norma	2%	4%	-	-	-	-	-	-	-	-	-	0%
1941	Wet	0%	-	-	-	-	-	-	-	-	-	-	0%
1942	Wet	0%	-	-	-	-	-	-	-	-	-	-	0%
1943	Wet	0%	-	-	-	-	1%	-	-	-	-	-	2%
1944	Dry	1%	1%	-	-	-	11%	-	-	-	-	-	71%
1945	Below Norma	5%	-	-	-	-	-	-	-	-	-	-	-9%
1946	Below Norma	0%	-100%	-	-	-	9%	-	-	-	-	-	8%
1947	Dry	6%	-	-	-	-	-	-	-	-	-	-	-3%
1948	Below Norma	0%	-	-	-	-3%	13%	-	-	-	-	-	-2%
1949	Dry	-1%	-1%	-	-	-	-	-	-	-	-	-	1%
1950	Below Norma	0%	0%	-	-	-	2%	-	-	-	-	-	5%
1951	Above Norma	0%	-	-	-	-	0%	-	-	-	-	-	0%
1952	Wet	0%	-	-	-	-	-	-	-	-	-	-	0%
1953	Wet	0%	-	-	-	-	10%	-	-	-	-	-	0%
1954	Above Norma	0%	-	-	-	-	-	-	-	-	-	-	0%
1955	Dry	0%	-	-	-	-	10%	-	-	-	-	-	10%
1956	Wet	5%	-	-	-	-	0%	-	-	-	-	-	0%
1957	Above Norma	0%	0%	-	-	-	11%	-	-	-	-	-	5%
1958	Wet	0%	6%	-	-	-	-	-	-	-	-	-	0%
1959	Below Norma	0%	0%	-	-	-	0%	-	-	-	-	-	0%
1960	Dry	0%	0%	-	-	-	60%	-	-	-	-	-	6%
1961	Dry	2%	-	-	-	-	-	-	-	-	-	-	23%
1962	Below Norma	4%	-	-	-	-	-	-	-	-	-	-	28%
1963	Wet	0%	-	-	-	-	-	-	-	-	-	-	0%
1964	Dry	0%	-	-	-	-	7%	-	-	-	-	-	7%
1965	Wet	1%	-	-	-	-	2%	-	-	-	-	-	17%
1966	Below Norma	7%	-	-	-	-	0%	-	-	-	-	-	0%
1967	Wet	0%	-	-	-	-	0%	-	-	-	-	-	0%
1968	Below Norma	0%	0%	-	-	-	10%	-	-	-	-	-	19%
1969	Wet	6%	-	-	-	-	0%	-	-	-	-	-	0%
1970	Wet	0%	0%	-	-	-	5%	-	-	-	-	-	18%
1971	Wet	4%	-	-	-	-	4%	-	-	-	-	-	0%
1972	Below Norma	0%	0%	-	-	0%	12%	-	-	-	-	-	75%
1973	Above Norma	1%	-	-	-	-	-	-	-	-	-	-	0%
1974	Wet	0%	-	-	-	-	-	-	-	-	-	-	0%
1975	Wet	0%	0%	-	-	-	-	-	-	-	-	-	0%
1976	Critical	0%	0%	-	-	0%	-12%	-	-	-	-	-	-12%
1977	Critical	-4%	-12%	-	-	-12%	0%	-	-	-	-	-	0%
1978	Above Norma	0%	-	-	-	-	-	-	-	-	-	-	0%
1979	Below Norma	0%	-	-	-	-	0%	-	-	-	-	-	-10%
1980	Above Norma	-1%	0%	-	-	-	-	-	-	-	-	-	0%
1981	Dry	0%	0%	-	-	-	-	-	-	-	-	-	0%
1982	Wet	0%	-	-	-	-	-	-	-	-	-	-	0%
1983	Wet	0%	-	-	-	-	-	-	-	-	-	-	0%
1984	Wet	0%	-	-	-	-	0%	-	-	-	-	-	0%
1985	Dry	0%	-	-	-	-	-	-	-	-	-	-	13%
1986	Wet	8%	-	-	-	-	-	-	-	-	-	-	65%
1987	Dry	5%	8%	-	-	-	3%	-	-	-	-	-	-5%
1988	Critical	-2%	-	-	-	-	10%	-	-	-	-	-	10%
1989	Dry	4%	0%	-	-	10%	-	-	-	-	-	-	4%
1990	Critical	1%	0%	-	-	-	-	-	-	-	-	-	-
1991	Critical	0%	0%	-	-	-	-	-	-	-	-	-	9%
1992	Critical	5%	1%	-	-	-	-	-	-	-	-	-	4%
1993	Above Norma	0%	0%	-	-	-	-	-	-	-	-	-	0%
1994	Critical	0%	0%	-	-	-	0%	-	-	-	-	-	0%
1995	Wet	0%	-	-	-	-	-	-	-	-	-	-	0%
1996	Wet	0%	0%	-	-	-	-	-	-	-	-	-	0%
1997	Wet	0%	0%	-	-	-	7%	-	-	-	-	-	7%
1998	Wet	5%	-	-	-	-	-	-	-	-	-	-	0%
1999	Wet	0%	0%	-	-	-	-	-	-	-	-	-	0%
2000	Above Norma	0%	0%	-	-	-	-	-	-	-	-	-	0%
2001	Dry	0%	0%	-	-	-	9%	-	-	-	-	-	17%
2002	Dry	7%	0%	-	-	-	9%	-	-	-	-	-	15%
2003	Above Norma	10%	0%	-	-	-	-	-	-	-	-	-	0%
Average		1%	-3%	#DIV/0!	#DIV/0!	-1%	6%	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	4%
Wet		1%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	4%
Above Norma		1%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
Below Norma		1%	-7%	0%	0%	0%	2%	0%	0%	0%	0%	0%	5%
Dry		2%	1%	0%	0%	1%	8%	0%	0%	0%	0%	0%	5%
Critical		0%	-2%	0%	0%	-1%	3%	0%	0%	0%	0%	0%	4%

Difference in Energy Use (GWh) At Pumping Plant at San Felipe: CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	0	-1	-1	-1	-1	0
1924	Critical	-1	-1	-1	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1927	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1932	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1935	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1940	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1945	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1946	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1947	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1948	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1949	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1951	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1961	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1963	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1965	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1966	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	1	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	0	0	0	0	0	0	0	0	0	0	0	1	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	Above Norma	0	0	0	0	0	0	0	0	0	1	-4	1	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Below Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Dry		0	0	0	0	0	0	0	0	0	0	0	0	0
Critical		0	0	0	0	0	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at San Felipe: CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	1%	1%	1%	0%	0%	0%	0%	0%	0%
1923	Below Norma	-1%	-1%	-1%	-1%	-2%	-11%	-7%	-15%	-16%	-16%	-15%	-13%
1924	Critical	-13%	-13%	-12%	-13%	-19%	-16%	-15%	-14%	-11%	-10%	-11%	-11%
1925	Dry	-11%	-11%	-11%	-13%	-8%	-1%	1%	3%	4%	4%	4%	3%
1926	Dry	3%	3%	4%	7%	7%	6%	9%	8%	8%	8%	7%	5%
1927	Wet	3%	2%	1%	3%	7%	1%	0%	1%	1%	0%	-3%	-4%
1928	Above Norma	-4%	-4%	-4%	-3%	-1%	-5%	2%	0%	-1%	-2%	-2%	-1%
1929	Critical	-2%	-3%	-4%	-5%	-5%	5%	7%	9%	10%	11%	13%	12%
1930	Dry	13%	11%	11%	15%	17%	0%	2%	5%	5%	-2%	-5%	-1%
1931	Critical	-1%	0%	-1%	0%	-4%	-9%	-9%	-9%	-8%	-6%	-5%	-6%
1932	Dry	-7%	-7%	-8%	-5%	-1%	3%	4%	4%	5%	5%	4%	4%
1933	Critical	3%	2%	2%	2%	4%	0%	0%	0%	0%	0%	-1%	-1%
1934	Critical	-2%	-2%	-3%	-2%	0%	1%	1%	1%	1%	1%	1%	1%
1935	Below Norma	1%	1%	1%	1%	1%	0%	-2%	0%	0%	0%	0%	-1%
1936	Below Norma	-1%	-1%	-1%	-1%	-1%	-1%	-2%	-2%	-3%	-3%	-3%	-3%
1937	Below Norma	-3%	-3%	-3%	-4%	-4%	1%	0%	-1%	-2%	-2%	-2%	-2%
1938	Wet	-3%	-3%	-4%	-4%	-4%	-1%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	1%	1%	1%	1%	1%	4%	4%	3%	3%	4%	3%
1940	Above Norma	2%	2%	3%	3%	3%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	1%	3%	2%	2%	2%	2%	1%	1%	0%
1942	Wet	0%	0%	-1%	-1%	0%	0%	0%	0%	0%	0%	-1%	-1%
1943	Wet	-2%	-3%	-3%	-3%	-1%	0%	0%	0%	0%	0%	0%	0%
1944	Dry	0%	0%	0%	0%	2%	6%	9%	9%	10%	8%	7%	5%
1945	Below Norma	4%	3%	2%	4%	6%	-2%	-1%	-4%	-3%	-4%	-4%	-3%
1946	Below Norma	-3%	-3%	-3%	-3%	-3%	0%	2%	2%	3%	1%	-1%	-1%
1947	Dry	-2%	-2%	-2%	-1%	0%	-1%	-1%	0%	1%	1%	-1%	-1%
1948	Below Norma	-2%	-3%	-2%	-2%	-2%	3%	1%	5%	4%	4%	6%	5%
1949	Dry	6%	7%	6%	7%	8%	2%	0%	0%	-1%	-1%	0%	-1%
1950	Below Norma	-1%	-1%	0%	0%	0%	0%	1%	1%	0%	0%	0%	0%
1951	Above Norma	-2%	-5%	-3%	1%	3%	0%	0%	-2%	-4%	-3%	-1%	-1%
1952	Wet	-1%	-3%	-3%	-3%	-3%	-2%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	1%	1%	0%	-1%
1954	Above Norma	-1%	-1%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%	0%
1955	Dry	0%	-1%	-1%	-1%	-2%	-1%	2%	3%	4%	2%	2%	3%
1956	Wet	4%	4%	5%	8%	7%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norma	0%	1%	1%	0%	0%	0%	1%	2%	2%	2%	2%	1%
1958	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	0%	0%	0%	0%	0%	1%	1%	0%	0%	0%
1960	Dry	0%	-5%	-7%	-6%	-7%	3%	-4%	0%	3%	2%	1%	1%
1961	Dry	1%	1%	3%	6%	7%	2%	5%	6%	7%	6%	8%	7%
1962	Below Norma	4%	1%	-1%	1%	3%	1%	-3%	-6%	-4%	1%	3%	2%
1963	Wet	1%	0%	-1%	-1%	-1%	-7%	-6%	-5%	-4%	-2%	-2%	-1%
1964	Dry	-1%	-1%	-1%	-2%	6%	7%	12%	15%	13%	8%	4%	4%
1965	Wet	6%	5%	7%	10%	8%	2%	2%	4%	3%	2%	5%	6%
1966	Below Norma	8%	10%	10%	13%	11%	-2%	0%	0%	0%	0%	0%	0%
1967	Wet	1%	1%	1%	2%	2%	0%	0%	0%	0%	0%	-1%	-1%
1968	Below Norma	-1%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%
1969	Wet	1%	0%	0%	2%	1%	0%	0%	0%	0%	0%	-1%	-1%
1970	Wet	-1%	-1%	-1%	0%	0%	4%	0%	6%	7%	8%	7%	6%
1971	Wet	6%	6%	6%	7%	6%	-1%	-1%	-1%	-1%	-1%	0%	0%
1972	Below Norma	-1%	-2%	-2%	0%	2%	2%	4%	6%	8%	7%	3%	0%
1973	Above Norma	0%	1%	2%	2%	0%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	-1%	-1%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	-2%	-8%	-10%	-12%	-9%	-7%	-8%	-5%
1977	Critical	-5%	-4%	-5%	-8%	-7%	1%	1%	0%	-1%	-2%	-5%	-9%
1978	Above Norma	-8%	-5%	-6%	0%	6%	-9%	0%	1%	3%	2%	1%	0%
1979	Below Norma	1%	2%	2%	2%	1%	-5%	1%	4%	4%	4%	4%	5%
1980	Above Norma	6%	6%	6%	7%	6%	1%	0%	0%	0%	1%	1%	1%
1981	Dry	1%	1%	1%	2%	1%	1%	0%	0%	1%	0%	0%	0%
1982	Wet	0%	-1%	-1%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	1%	1%	1%	1%	5%	6%	5%	5%	6%	7%	6%
1986	Wet	7%	6%	6%	6%	8%	4%	7%	9%	9%	9%	8%	8%
1987	Dry	8%	8%	8%	10%	11%	5%	3%	3%	1%	0%	-1%	-3%
1988	Critical	-3%	-1%	0%	-2%	-3%	2%	3%	4%	4%	4%	5%	5%
1989	Dry	5%	4%	3%	2%	2%	-5%	-5%	-4%	-4%	-1%	1%	1%
1990	Critical	0%	0%	0%	2%	3%	0%	0%	0%	1%	1%	1%	1%
1991	Critical	1%	1%	1%	1%	1%	0%	5%	6%	8%	9%	10%	10%
1992	Critical	10%	10%	10%	12%	14%	5%	3%	4%	4%	4%	2%	1%
1993	Above Norma	1%	0%	0%	1%	2%	0%	0%	1%	2%	1%	1%	0%
1994	Critical	0%	0%	0%	1%	1%	1%	3%	5%	5%	4%	4%	4%
1995	Wet	2%	2%	6%	9%	11%	9%	7%	7%	8%	9%	10%	11%
1996	Wet	12%	12%	9%	3%	0%	0%	0%	0%	0%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	0%	1%	1%	1%	1%	2%
1998	Wet	1%	0%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norma	0%	0%	0%	3%	5%	2%	0%	1%	1%	1%	1%	0%
2001	Dry	0%	0%	0%	0%	0%	0%	3%	4%	5%	5%	5%	4%
2002	Dry	3%	2%	2%	6%	8%	6%	1%	6%	7%	6%	5%	4%
2003	Above Norma	3%	-2%	-6%	-5%	-2%	-1%	9%	9%	10%	11%	-63%	10%
Average		1%	0%	0%	1%	1%	0%	1%	1%	1%	1%	0%	1%
Wet		1%	1%	1%	2%	2%	0%	0%	1%	1%	1%	1%	1%
Above Norma		0%	-1%	-1%	1%	2%	-1%	1%	1%	1%	1%	-5%	1%
Below Norma		0%	0%	0%	1%	1%	-1%	0%	-1%	-1%	-1%	-1%	-1%
Dry		1%	1%	1%	2%	3%	2%	3%	4%	4%	3%	3%	2%
Critical		-1%	-1%	-1%	-1%	-2%	-1%	-1%	0%	0%	1%	1%	0%

Difference in Energy Use (GWh) At Pumping Plant at San Luis Other: CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	-1	0	-1	-2	-2	-2	0	-1
1924	Critical	0	0	0	-1	-1	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	0	0	0	0	0	1	1	1	0	0
1926	Dry	0	0	0	0	0	0	0	1	1	1	1	0	0
1927	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	1	1	1	1	0	0
1930	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1932	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1935	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	-1	0	0	0
1937	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	0	0	0	1	0	0	0
1940	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	1	1	1	1	1	0	0
1945	Below Norma	0	0	0	0	0	0	0	0	0	-1	0	0	0
1946	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1947	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1948	Below Norma	0	0	0	0	0	0	0	0	1	1	1	0	0
1949	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Norma	0	0	0	0	0	0	0	0	0	1	0	0	0
1951	Above Norma	0	0	0	0	0	0	0	0	0	0	2	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	1	1	1	0	0
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1961	Dry	0	0	0	0	0	0	0	0	1	1	1	0	0
1962	Below Norma	0	0	0	0	0	0	0	0	1	1	1	0	0
1963	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	0	0	1	1	1	1	0	0
1965	Wet	0	0	0	0	0	0	1	1	2	1	0	0	0
1966	Below Norma	0	0	0	1	1	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	1	1	1	-4	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	0	0	0	0	-4	0	0
1973	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	-1	-1	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	-1	0	0
1978	Above Norma	0	0	0	0	0	-1	0	0	0	0	0	0	0
1979	Below Norma	0	0	0	0	0	0	0	0	1	1	0	0	0
1980	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	1	1	1	1	0	0
1986	Wet	0	0	0	0	0	0	0	1	1	1	1	0	1
1987	Dry	0	0	0	0	0	0	0	0	-1	-1	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	1	0	0	0
1989	Dry	0	0	0	0	0	0	0	0	1	1	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	1	1	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	0	-1	0	0
2001	Dry	0	0	0	0	0	0	0	1	1	2	1	0	0
2002	Dry	0	0	0	1	1	0	0	0	1	1	1	0	0
2003	Above Norma	0	0	0	0	0	0	1	1	2	2	-3	0	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Below Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Dry		0	0	0	0	0	0	0	0	1	1	0	0	0
Critical		0	0	0	0	0	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at San Luis Other: CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1923	Below Norma	0%	0%	0%	0%	0%	-10%	-4%	-12%	-12%	-12%	-12%	-11%
1924	Critical	-12%	-12%	-12%	-13%	-12%	0%	0%	0%	0%	0%	0%	0%
1925	Dry	0%	0%	0%	0%	0%	6%	6%	7%	7%	7%	7%	6%
1926	Dry	7%	7%	7%	8%	8%	16%	16%	17%	17%	17%	16%	13%
1927	Wet	14%	15%	17%	18%	17%	1%	0%	0%	0%	0%	0%	0%
1928	Above Norma	0%	0%	0%	0%	0%	-11%	0%	-2%	-2%	-2%	-2%	-2%
1929	Critical	-2%	-2%	-2%	-2%	-2%	26%	25%	25%	27%	27%	25%	20%
1930	Dry	21%	24%	27%	30%	28%	3%	1%	1%	1%	1%	1%	1%
1931	Critical	1%	1%	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%
1932	Dry	0%	0%	0%	0%	0%	8%	8%	8%	9%	9%	8%	7%
1933	Critical	7%	8%	9%	10%	9%	0%	0%	0%	0%	0%	0%	0%
1934	Critical	0%	0%	0%	0%	0%	2%	2%	2%	2%	2%	2%	1%
1935	Below Norma	2%	2%	2%	2%	2%	0%	-6%	-1%	-1%	-1%	-1%	-1%
1936	Below Norma	-1%	-1%	-1%	-1%	-1%	-4%	-4%	-4%	-4%	-4%	-4%	-3%
1937	Below Norma	-3%	-4%	-4%	-4%	-4%	5%	-2%	-4%	-4%	-4%	-4%	-4%
1938	Wet	-4%	-4%	-4%	-4%	-4%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	0%	6%	4%	4%	4%	4%	4%	4%
1940	Above Norma	4%	4%	4%	4%	4%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1942	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1944	Dry	0%	0%	0%	0%	0%	10%	10%	10%	10%	10%	10%	9%
1945	Below Norma	9%	10%	10%	11%	10%	-2%	0%	-3%	-3%	-3%	-3%	-3%
1946	Below Norma	-3%	-3%	-3%	-3%	-3%	0%	3%	3%	3%	3%	3%	2%
1947	Dry	2%	3%	3%	3%	3%	1%	-2%	-2%	-3%	-3%	-2%	-2%
1948	Below Norma	-2%	-2%	-3%	-3%	-3%	9%	3%	5%	5%	5%	5%	5%
1949	Dry	5%	5%	5%	6%	6%	7%	0%	0%	0%	0%	0%	0%
1950	Below Norma	0%	0%	0%	0%	0%	2%	4%	4%	4%	4%	4%	4%
1951	Above Norma	4%	4%	4%	5%	5%	0%	0%	0%	0%	0%	15%	0%
1952	Wet	0%	0%	0%	0%	0%	2%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1955	Dry	0%	0%	0%	0%	0%	9%	9%	9%	9%	9%	9%	8%
1956	Wet	8%	8%	9%	9%	9%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1958	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1960	Dry	0%	0%	0%	0%	0%	39%	5%	5%	5%	5%	5%	4%
1961	Dry	4%	4%	5%	5%	5%	9%	5%	5%	5%	5%	5%	5%
1962	Below Norma	5%	5%	5%	5%	5%	7%	6%	5%	5%	5%	5%	5%
1963	Wet	5%	5%	5%	5%	5%	-1%	0%	0%	0%	0%	0%	0%
1964	Dry	0%	0%	0%	0%	0%	6%	6%	6%	6%	6%	6%	5%
1965	Wet	6%	6%	6%	7%	6%	2%	2%	7%	8%	8%	7%	7%
1966	Below Norma	7%	7%	7%	8%	8%	-5%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1968	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1969	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	5%	0%	7%	7%	7%	-30%	6%
1971	Wet	6%	7%	7%	7%	7%	0%	0%	0%	0%	0%	0%	0%
1972	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-30%	0%
1973	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	-10%	-9%	-9%	-10%	-10%	-10%	-8%
1977	Critical	-8%	-9%	-10%	-11%	-10%	0%	0%	0%	0%	0%	-42%	0%
1978	Above Norma	0%	0%	0%	0%	0%	-15%	-1%	0%	0%	0%	0%	0%
1979	Below Norma	0%	0%	0%	0%	0%	-7%	0%	3%	3%	3%	3%	3%
1980	Above Norma	3%	3%	3%	3%	3%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1982	Wet	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	7%	7%	7%	7%	7%	7%	6%
1986	Wet	6%	6%	7%	7%	7%	4%	8%	8%	8%	8%	8%	7%
1987	Dry	7%	8%	8%	8%	8%	2%	-5%	-5%	-5%	-5%	-5%	-4%
1988	Critical	-4%	-4%	-5%	-5%	-5%	8%	8%	8%	8%	8%	8%	7%
1989	Dry	7%	8%	8%	9%	9%	0%	6%	6%	6%	6%	6%	5%
1990	Critical	5%	6%	6%	6%	6%	2%	2%	2%	2%	2%	2%	1%
1991	Critical	1%	1%	2%	3%	2%	0%	11%	11%	12%	12%	11%	9%
1992	Critical	10%	11%	12%	13%	12%	2%	3%	3%	3%	3%	3%	3%
1993	Above Norma	3%	3%	3%	3%	3%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1995	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1998	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-7%	0%
2001	Dry	0%	0%	0%	0%	0%	8%	14%	14%	15%	15%	14%	13%
2002	Dry	13%	14%	15%	16%	15%	7%	0%	4%	4%	4%	4%	4%
2003	Above Norma	4%	4%	4%	4%	4%	1%	11%	11%	11%	11%	-27%	10%
Average		2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	0%	2%
Wet		2%	2%	2%	2%	2%	1%	0%	1%	1%	1%	-1%	1%
Above Norma		1%	1%	2%	2%	2%	-2%	1%	1%	1%	1%	-2%	1%
Below Norma		1%	1%	1%	1%	1%	0%	0%	0%	0%	0%	-2%	0%
Dry		4%	4%	4%	5%	4%	8%	5%	5%	5%	5%	5%	5%
Critical		0%	0%	0%	0%	0%	3%	3%	3%	4%	4%	0%	3%

Difference in Energy Use (GWh) At Pumping Plant at System Total: CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	2	0	0	0	0	-4	-1	-4	-5	-22	-14	1	-4
1924	Critical	1	-9	-14	1	53	0	0	0	0	4	0	46	7
1925	Dry	31	-3	4	-50	-157	-18	2	1	6	8	4	-1	-14
1926	Dry	-1	0	0	-2	3	12	3	14	5	3	2	20	5
1927	Wet	7	2	0	0	-17	-10	0	-8	0	30	3	0	1
1928	Above Norma	1	4	1	1	-21	-29	0	-1	-1	5	-8	-4	-4
1929	Critical	0	1	0	1	1	1	1	4	8	8	2	0	2
1930	Dry	0	0	-1	-2	27	3	0	0	1	26	-18	-9	2
1931	Critical	-12	2	2	0	76	-2	0	0	0	-1	0	1	5
1932	Dry	2	5	2	-60	-7	0	0	1	1	1	0	0	-5
1933	Critical	0	0	20	1	1	0	0	0	0	0	0	15	3
1934	Critical	2	4	0	-21	0	0	0	0	0	0	0	-3	-1
1935	Below Norma	0	-1	2	0	0	11	-1	0	-1	0	0	0	1
1936	Below Norma	0	0	1	0	-5	-1	-2	-1	-1	-6	4	0	-1
1937	Below Norma	1	1	0	-19	-1	1	-1	-2	-1	-1	0	1	-2
1938	Wet	3	1	1	-17	-1	0	0	0	0	0	0	0	-1
1939	Dry	-4	0	0	0	0	9	0	12	1	3	1	25	4
1940	Above Norma	-4	-11	-1	0	0	0	0	0	0	0	0	0	-1
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	13	1	1	1	-25	0	0	0	0	0	0	0	-1
1944	Dry	0	0	0	0	0	-3	1	2	10	14	9	1	3
1945	Below Norma	-1	0	0	-1	14	-1	0	-3	-1	-1	-2	0	0
1946	Below Norma	-8	3	0	1	-5	17	0	1	1	30	-6	-3	3
1947	Dry	1	4	1	1	0	-34	0	0	-10	2	1	0	-3
1948	Below Norma	0	2	1	-17	0	0	-1	1	2	5	20	0	1
1949	Dry	1	-1	0	-1	-1	24	0	0	0	0	0	0	2
1950	Below Norma	-4	2	1	0	0	2	-1	24	1	1	0	0	2
1951	Above Norma	42	1	-23	-27	1	0	0	20	7	-9	4	0	1
1952	Wet	0	2	1	1	1	-14	0	0	0	0	0	0	-1
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	1	0	0	0	0	0	0	0	0	-3	0	0	0
1955	Dry	0	1	0	0	0	-50	2	1	15	23	15	1	1
1956	Wet	0	-1	-1	-2	9	0	0	-1	0	0	0	0	0
1957	Above Norma	-2	0	0	5	0	0	0	0	0	-6	7	0	0
1958	Wet	0	0	0	0	0	2	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	1	0
1960	Dry	0	37	-17	27	-6	1	0	-11	-2	-1	-1	0	2
1961	Dry	0	0	15	-2	-9	-6	1	2	2	9	-21	30	2
1962	Below Norma	13	47	-2	-10	0	0	0	11	1	-19	7	2	4
1963	Wet	1	5	1	1	13	9	0	0	0	4	0	0	3
1964	Dry	0	1	0	-1	0	-2	2	-11	-20	28	17	-34	-2
1965	Wet	-1	-4	-2	-3	57	3	0	2	2	7	2	-1	5
1966	Below Norma	-2	-1	-2	-3	19	42	0	0	0	0	0	0	4
1967	Wet	0	9	0	-1	0	-12	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	3	0	-5	0
1969	Wet	6	0	0	0	0	-9	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	2	0	2	2	4	-8	0	0
1971	Wet	0	0	0	-1	20	0	0	0	0	0	0	0	2
1972	Below Norma	7	2	0	0	-17	0	0	0	-10	-2	-8	0	-2
1973	Above Norma	0	0	-1	0	0	2	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	-1	0	0	0	0	0	0	0
1975	Wet	3	0	0	0	0	-7	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	1	-2	0	-4	-5	-3	-1	-5	-2
1977	Critical	15	-1	0	-1	-5	0	0	0	0	-8	-29	24	0
1978	Above Norma	-43	-2	3	0	-3	49	10	0	0	0	0	0	1
1979	Below Norma	0	-4	0	0	0	-3	0	1	1	1	2	0	0
1980	Above Norma	-1	-4	-1	-2	28	0	0	0	0	0	0	0	2
1981	Dry	0	0	0	0	0	0	0	0	1	0	-1	0	0
1982	Wet	10	1	0	0	0	-12	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	-1	0	0	0	49	1	2	-7	3	8	0	5
1986	Wet	0	-1	0	-1	-2	31	4	-5	2	12	2	-1	3
1987	Dry	-1	0	-1	30	3	0	0	-3	-4	-14	5	7	2
1988	Critical	-21	0	0	0	6	0	0	1	5	6	1	0	0
1989	Dry	0	1	34	0	25	2	3	1	-5	-6	-6	1	4
1990	Critical	2	1	5	0	-2	0	0	0	0	-1	0	0	0
1991	Critical	0	0	0	4	0	0	0	1	2	2	1	-1	1
1992	Critical	-1	-3	0	-1	-3	34	0	2	2	1	3	0	3
1993	Above Norma	0	11	-6	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	1	0	0	0	-18	1	2	0	-1
1995	Wet	35	-1	-8	-2	-3	-3	4	0	0	0	0	0	2
1996	Wet	-1	-3	-3	-1	0	0	0	0	2	0	0	0	-1
1997	Wet	0	0	0	0	-6	0	0	2	0	-3	1	0	0
1998	Wet	0	-3	0	0	2	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	-1	-1	0	0	0	0	-3	-2	0	-1
2001	Dry	0	0	1	0	0	-1	1	2	10	12	10	1	3
2002	Dry	-9	5	-1	-1	18	-1	0	1	2	3	11	0	2
2003	Above Norma	27	18	8	2	-32	60	1	2	-10	5	-11	0	6
Average		1	1	0	-2	1	2	0	1	0	2	0	1	1
Wet		3	0	0	-1	2	-1	0	0	0	2	0	0	0
Above Norma		2	1	-2	-2	-2	7	1	2	0	-1	-1	0	0
Below Norma		1	4	0	-4	0	5	0	2	-1	-1	0	0	0
Dry		1	3	2	-3	-6	-1	1	1	0	6	2	2	1
Critical		-1	0	1	-1	11	2	0	0	-1	1	-2	6	1

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at System Total: CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1923	Below Norm	1%	0%	0%	0%	0%	-6%	-1%	-4%	-5%	-14%	-11%	0%
1924	Critical	1%	-6%	-12%	1%	168%	-2%	-1%	-1%	-1%	8%	-2%	142%
1925	Dry	55%	-9%	2%	-27%	-91%	-26%	2%	1%	10%	8%	7%	-1%
1926	Dry	-1%	0%	0%	-1%	2%	27%	5%	38%	14%	5%	5%	53%
1927	Wet	12%	1%	0%	0%	-11%	-14%	0%	-10%	0%	24%	2%	0%
1928	Above Norm	1%	3%	1%	0%	-14%	-35%	0%	-1%	-1%	5%	-6%	-4%
1929	Critical	0%	1%	0%	1%	1%	3%	4%	9%	26%	13%	7%	0%
1930	Dry	0%	0%	0%	-1%	20%	5%	0%	0%	2%	48%	-31%	-11%
1931	Critical	-15%	2%	2%	0%	268%	-5%	-1%	0%	-1%	-1%	2%	1%
1932	Dry	2%	7%	1%	-33%	-28%	2%	2%	2%	1%	2%	0%	0%
1933	Critical	0%	0%	28%	5%	5%	0%	0%	0%	0%	0%	0%	22%
1934	Critical	3%	7%	0%	-27%	0%	0%	0%	0%	0%	0%	1%	-8%
1935	Below Norm	-1%	-1%	2%	0%	0%	12%	-1%	0%	-1%	0%	0%	0%
1936	Below Norm	0%	0%	1%	0%	-11%	-2%	-3%	-1%	-1%	-6%	4%	0%
1937	Below Norm	1%	1%	0%	-14%	-3%	3%	-1%	-2%	-2%	-1%	-1%	1%
1938	Wet	3%	0%	1%	-26%	-3%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	-3%	0%	0%	0%	0%	15%	1%	17%	1%	3%	2%	28%
1940	Above Norm	-5%	-12%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1942	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	10%	0%	1%	1%	-24%	0%	0%	-1%	0%	0%	0%	0%
1944	Dry	0%	0%	0%	0%	0%	-2%	2%	3%	14%	15%	13%	1%
1945	Below Norm	-1%	0%	0%	0%	12%	-1%	0%	-4%	-1%	-1%	-1%	0%
1946	Below Norm	-6%	2%	0%	0%	-10%	14%	0%	1%	1%	26%	-4%	-4%
1947	Dry	1%	3%	0%	0%	0%	-41%	0%	-1%	-12%	1%	1%	0%
1948	Below Norm	-1%	2%	1%	-13%	0%	0%	-1%	2%	2%	3%	16%	0%
1949	Dry	1%	0%	0%	-1%	-1%	26%	0%	0%	0%	0%	0%	0%
1950	Below Norm	-4%	2%	1%	0%	0%	3%	-1%	45%	1%	1%	0%	0%
1951	Above Norm	61%	1%	-14%	-45%	3%	0%	0%	28%	7%	-8%	2%	0%
1952	Wet	0%	1%	0%	1%	1%	-11%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	-3%	0%	0%
1955	Dry	0%	1%	0%	0%	0%	-50%	4%	2%	22%	21%	31%	2%
1956	Wet	0%	-1%	-1%	-1%	6%	0%	0%	-1%	0%	0%	0%	0%
1957	Above Norm	-2%	0%	0%	4%	0%	0%	0%	0%	0%	-4%	5%	0%
1958	Wet	0%	0%	0%	0%	0%	2%	0%	0%	0%	0%	0%	0%
1959	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%
1960	Dry	0%	40%	-25%	21%	-5%	1%	1%	-17%	-2%	-1%	-2%	0%
1961	Dry	-1%	0%	13%	-1%	-6%	-10%	1%	3%	2%	6%	-14%	37%
1962	Below Norm	31%	58%	-1%	-7%	0%	0%	1%	17%	1%	-13%	5%	1%
1963	Wet	1%	3%	1%	1%	9%	13%	0%	0%	0%	3%	0%	0%
1964	Dry	0%	1%	0%	0%	0%	-3%	4%	-15%	-25%	29%	21%	-30%
1965	Wet	-2%	-3%	-1%	-2%	51%	5%	0%	2%	3%	4%	1%	0%
1966	Below Norm	-1%	-1%	-1%	-2%	15%	61%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	8%	0%	0%	0%	-8%	0%	0%	0%	0%	0%	0%
1968	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	2%	0%	-5%
1969	Wet	6%	0%	0%	0%	0%	-8%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	3%	0%	2%	3%	4%	-5%	0%
1971	Wet	0%	0%	0%	-1%	18%	0%	0%	0%	0%	0%	0%	0%
1972	Below Norm	6%	1%	0%	0%	-12%	0%	0%	1%	-12%	-2%	-5%	0%
1973	Above Norm	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%
1975	Wet	2%	0%	0%	0%	0%	-6%	0%	1%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	1%	-6%	0%	-10%	-13%	-4%	-4%	-12%
1977	Critical	23%	-1%	0%	-1%	-20%	0%	0%	0%	0%	-8%	-55%	46%
1978	Above Norm	-56%	-4%	3%	0%	-1%	36%	12%	0%	0%	0%	0%	0%
1979	Below Norm	0%	-3%	0%	0%	0%	-5%	0%	1%	1%	1%	1%	0%
1980	Above Norm	-1%	-2%	-1%	-1%	30%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	-1%	0%
1982	Wet	14%	1%	0%	0%	0%	-8%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	57%	2%	2%	-7%	2%	5%	0%
1986	Wet	0%	0%	0%	-1%	-1%	68%	6%	-4%	2%	18%	1%	-1%
1987	Dry	0%	0%	-1%	40%	6%	1%	0%	-4%	-5%	-11%	9%	9%
1988	Critical	-19%	0%	0%	0%	14%	2%	1%	1%	9%	7%	3%	0%
1989	Dry	0%	1%	44%	0%	114%	1%	5%	1%	-5%	-5%	-7%	1%
1990	Critical	3%	1%	5%	0%	-4%	0%	0%	0%	0%	-2%	0%	0%
1991	Critical	0%	0%	-1%	7%	0%	0%	2%	2%	5%	2%	3%	-1%
1992	Critical	-2%	-3%	0%	-1%	-2%	50%	0%	4%	4%	1%	7%	0%
1993	Above Norm	0%	21%	-5%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	0%	1%	0%	0%	0%	-20%	0%	1%	0%
1995	Wet	66%	-1%	-5%	-1%	-2%	-2%	4%	0%	0%	0%	0%	0%
1996	Wet	-1%	-2%	-2%	0%	0%	0%	0%	0%	2%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	-3%	0%	0%	4%	0%	-3%	1%	0%
1998	Wet	0%	-2%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norm	0%	0%	0%	0%	-1%	0%	0%	0%	0%	-3%	-2%	0%
2001	Dry	0%	0%	1%	0%	0%	-1%	4%	4%	18%	15%	19%	2%
2002	Dry	-8%	4%	0%	-1%	56%	-1%	0%	2%	2%	2%	9%	0%
2003	Below Norm	28%	15%	5%	1%	-28%	90%	2%	4%	-11%	6%	-9%	0%
Average		2%	2%	0%	-2%	6%	3%	1%	2%	0%	2%	0%	3%
Wet		4%	0%	0%	-1%	2%	1%	0%	0%	0%	2%	0%	0%
Above Norm		2%	2%	-1%	-3%	-1%	8%	1%	3%	0%	-1%	-1%	0%
Below Norm		2%	4%	0%	-3%	-1%	6%	-1%	4%	-1%	0%	0%	0%
Dry		3%	2%	2%	0%	4%	0%	2%	2%	2%	8%	4%	5%
Critical		-1%	0%	2%	-1%	36%	4%	1%	0%	1%	1%	-3%	16%

Energy Use (GWh) At Pumping Plant at Tehama Other: CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	0.24	0.00	0.00	0.00	0.00	0.01	1.51	1.66	2.56	2.91	2.34	0.52	12
1923	Below Normal	0.19	0.00	0.00	0.00	0.00	0.21	0.83	1.18	1.87	2.20	1.76	0.01	8
1924	Critical	0.36	0.01	0.00	0.00	0.00	0.06	0.15	0.44	0.31	0.63	0.99	0.22	3
1925	Dry	0.14	0.00	0.00	0.00	0.00	0.00	0.23	0.29	1.26	1.59	1.27	0.00	5
1926	Dry	0.36	0.00	0.00	0.00	0.00	0.02	0.08	0.05	0.67	0.76	0.60	0.27	3
1927	Wet	0.18	0.00	0.00	0.00	0.00	0.01	1.24	2.12	2.43	3.07	2.47	0.57	12
1928	Above Normal	0.16	0.00	0.00	0.00	0.00	0.00	0.52	1.03	1.83	2.10	1.69	0.23	8
1929	Critical	0.40	0.00	0.00	0.00	0.00	0.01	0.21	0.30	0.26	0.37	0.30	0.13	2
1930	Dry	0.19	0.05	0.00	0.00	0.00	0.00	0.20	0.21	0.90	1.02	0.82	0.00	3
1931	Critical	0.25	0.04	0.00	0.00	0.00	0.07	0.19	0.47	0.34	0.69	1.04	0.24	3
1932	Dry	0.16	0.04	0.00	0.00	0.00	0.01	0.31	0.64	0.58	0.97	1.27	0.34	4
1933	Critical	0.20	0.05	0.00	0.00	0.00	0.05	0.16	0.44	0.31	0.64	1.00	0.22	3
1934	Critical	0.15	0.04	0.00	0.00	0.00	0.00	0.25	0.60	0.50	0.86	1.18	0.30	4
1935	Below Normal	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.27	1.06	1.20	0.97	0.01	4
1936	Below Normal	0.23	0.00	0.00	0.00	0.00	0.00	0.46	0.59	1.19	1.63	1.31	0.05	5
1937	Below Normal	0.35	0.02	0.00	0.00	0.00	0.00	0.00	0.43	0.96	1.18	0.95	0.01	4
1938	Wet	0.19	0.00	0.00	0.00	0.00	0.00	0.01	1.48	3.09	3.24	2.61	0.44	11
1939	Dry	0.33	0.01	0.00	0.00	0.19	0.44	1.07	0.91	1.14	1.29	1.04	0.37	7
1940	Above Normal	0.25	0.01	0.00	0.00	0.00	0.00	0.76	1.26	2.83	3.26	2.62	0.62	12
1941	Wet	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.90	2.85	3.30	2.65	0.65	11
1942	Wet	0.21	0.00	0.00	0.00	0.00	0.00	0.00	1.19	3.08	3.29	2.65	0.62	11
1943	Wet	0.51	0.00	0.00	0.00	0.00	0.00	0.76	1.99	2.85	3.03	2.45	0.56	12
1944	Dry	0.48	0.01	0.00	0.00	0.00	0.02	0.00	0.45	1.19	1.40	1.13	0.01	5
1945	Below Normal	0.25	0.00	0.00	0.00	0.00	0.00	0.01	1.43	1.92	2.49	2.00	0.37	8
1946	Below Normal	0.15	0.04	0.00	0.00	0.00	0.04	0.89	1.61	2.28	2.56	2.08	0.88	11
1947	Dry	0.45	0.00	0.00	0.00	0.00	0.00	0.72	1.05	1.20	1.54	1.23	0.54	7
1948	Below Normal	0.15	0.00	0.00	0.00	0.03	0.04	0.15	1.03	2.21	3.30	2.65	0.55	10
1949	Dry	0.33	0.06	0.00	0.00	0.00	0.00	0.00	1.37	1.99	2.27	1.82	0.29	8
1950	Below Normal	0.46	0.00	0.00	0.00	0.00	0.01	0.62	0.49	1.01	1.17	0.94	0.01	5
1951	Above Normal	0.16	0.00	0.00	0.00	0.00	0.06	0.77	1.32	2.64	3.01	2.42	0.55	11
1952	Wet	0.15	0.00	0.00	0.00	0.00	0.00	0.12	1.69	2.46	3.05	2.48	0.57	11
1953	Wet	0.55	0.00	0.00	0.00	0.00	0.12	1.07	1.93	2.64	3.07	2.21	0.57	12
1954	Above Normal	0.45	0.00	0.00	0.00	0.00	0.00	0.01	1.58	2.76	3.20	2.34	0.61	11
1955	Dry	0.52	0.00	0.00	0.00	0.00	0.09	0.52	0.48	1.04	1.18	0.95	0.36	5
1956	Wet	0.26	0.00	0.00	0.00	0.00	0.11	0.50	1.80	2.55	3.07	2.47	0.43	11
1957	Above Normal	0.34	0.07	0.00	0.00	0.00	0.22	0.67	1.43	2.55	2.90	2.33	0.01	11
1958	Wet	0.14	0.01	0.00	0.00	0.00	0.00	0.00	1.01	2.74	3.18	2.61	0.62	10
1959	Below Normal	0.53	0.07	0.00	0.00	0.00	0.07	0.93	1.83	2.51	2.84	2.22	0.46	11
1960	Dry	0.54	0.07	0.00	0.00	0.00	0.00	0.36	0.12	0.72	0.82	0.66	0.00	3
1961	Dry	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.90	1.57	1.92	1.51	0.10	6
1962	Below Normal	0.38	0.00	0.00	0.00	0.00	0.00	0.35	1.49	2.22	2.64	2.13	0.39	10
1963	Wet	0.14	0.00	0.00	0.00	0.00	0.00	0.00	1.18	3.05	3.30	2.65	0.63	11
1964	Dry	0.24	0.00	0.00	0.00	0.00	0.12	0.86	0.95	1.00	1.21	0.97	0.37	6
1965	Wet	0.17	0.00	0.00	0.00	0.00	0.10	0.00	1.52	2.59	2.76	1.88	0.46	9
1966	Below Normal	0.52	0.00	0.00	0.00	0.00	0.07	1.64	1.71	2.41	2.73	2.20	0.44	12
1967	Wet	0.52	0.00	0.00	0.00	0.00	0.00	0.01	1.41	2.15	3.29	2.64	0.63	11
1968	Below Normal	0.53	0.04	0.00	0.00	0.00	0.00	0.28	1.45	2.10	2.70	1.94	0.44	9
1969	Wet	0.34	0.00	0.00	0.00	0.00	0.00	0.29	1.78	2.64	3.01	2.42	0.54	11
1970	Wet	0.31	0.00	0.00	0.00	0.00	0.00	0.15	1.15	1.73	2.05	1.65	0.22	7
1971	Wet	0.29	0.00	0.00	0.00	0.00	0.14	1.06	1.69	2.64	2.79	2.23	0.47	11
1972	Below Normal	0.47	0.00	0.00	0.00	0.01	0.64	0.56	1.05	1.64	1.93	1.55	0.04	8
1973	Above Normal	0.15	0.00	0.00	0.00	0.00	0.00	0.25	1.72	2.69	3.06	2.46	0.53	11
1974	Wet	0.20	0.00	0.00	0.00	0.00	0.00	0.01	2.05	2.99	2.79	2.61	0.63	11
1975	Wet	0.29	0.01	0.00	0.00	0.00	0.00	0.78	2.09	2.98	3.03	2.46	0.58	12
1976	Critical	0.17	0.01	0.00	0.00	0.18	0.27	0.35	0.43	0.47	0.54	0.40	0.16	3
1977	Critical	0.20	0.00	0.00	0.00	0.02	0.10	0.23	0.47	0.38	0.71	1.06	0.22	3
1978	Above Normal	0.16	0.00	0.00	0.00	0.00	0.00	0.03	1.87	2.87	3.25	2.61	0.39	11
1979	Below Normal	0.59	0.00	0.00	0.00	0.00	0.00	0.01	1.24	2.11	2.39	1.92	0.27	9
1980	Above Normal	0.19	0.04	0.00	0.00	0.00	0.00	0.15	1.54	2.58	3.05	2.49	0.57	11
1981	Dry	0.52	0.02	0.00	0.00	0.00	0.00	0.01	1.58	2.84	3.23	2.60	0.52	11
1982	Wet	0.17	0.00	0.00	0.00	0.00	0.00	0.01	1.47	2.52	3.30	2.65	0.16	10
1983	Wet	0.14	0.00	0.00	0.00	0.00	0.00	0.00	1.27	2.74	3.30	2.57	0.44	10
1984	Wet	0.45	0.00	0.00	0.00	0.00	0.09	0.92	1.81	2.68	2.81	2.12	0.46	11
1985	Dry	0.25	0.00	0.00	0.00	0.00	0.00	0.24	1.66	2.01	2.29	1.81	0.56	9
1986	Wet	0.39	0.00	0.00	0.00	0.00	0.00	0.48	0.91	1.97	1.97	1.58	0.04	7
1987	Dry	0.39	0.02	0.00	0.00	0.00	0.00	0.77	1.06	1.22	1.38	1.11	0.48	6
1988	Critical	0.25	0.00	0.00	0.00	0.00	0.05	0.27	0.37	0.48	0.58	0.47	0.20	3
1989	Dry	0.22	0.04	0.00	0.00	0.01	0.00	0.60	0.60	1.07	1.29	1.03	0.13	5
1990	Critical	0.18	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1991	Critical	0.14	0.04	0.00	0.00	0.00	0.00	0.20	0.69	0.66	1.07	1.35	0.32	4
1992	Critical	0.20	0.05	0.00	0.00	0.00	0.00	0.44	0.95	1.33	1.96	2.07	0.17	7
1993	Above Normal	0.16	0.05	0.00	0.00	0.00	0.00	1.04	1.22	2.34	3.27	2.63	0.64	11
1994	Critical	0.40	0.04	0.00	0.00	0.00	0.07	0.84	1.58	2.19	2.78	2.72	0.96	12
1995	Wet	0.32	0.00	0.00	0.00	0.00	0.00	0.81	1.07	2.50	3.26	2.62	0.64	11
1996	Wet	0.59	0.07	0.00	0.00	0.00	0.00	0.72	0.86	2.93	3.30	2.65	0.62	12
1997	Wet	0.22	0.04	0.00	0.00	0.00	0.13	0.94	1.52	2.37	2.60	1.94	0.85	11
1998	Wet	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.23	2.56	3.30	2.65	0.52	10
1999	Wet	0.33	0.04	0.00	0.00	0.00	0.00	0.24	1.94	2.45	3.07	2.46	0.57	11
2000	Above Normal	0.50	0.04	0.00	0.00	0.00	0.00	0.01	1.49	2.60	3.30	2.65	0.54	11
2001	Dry	0.15	0.05	0.00	0.00	0.00	0.00	0.43	0.38	0.93	1.12	0.90	0.00	4
2002	Dry	0.22	0.04	0.00	0.00	0.00	0.08	0.51	0.84	1.68	1.91	1.53	0.67	7
2003	Above Normal	0.41	0.04	0.00	0.00	0.00	0.00	0.25	1.06	2.80	3.29	2.28	0.65	11
Average		0	0	0	0	0	0	0	1	2	2	2	0	8
Wet		0	0	0	0	0	0	0	1	3	3	2	1	11
Above Normal		0	0	0	0	0	0	0	1	3	3	2	0	11
Below Normal		0	0	0	0	0	0	0	1	2	2	2	0	8
Dry		0	0	0	0	0	0	0	1	1	2	1	0	6
Critical		0	0	0	0	0	0	0	1	1	1	1	0	4

Energy Use (GWh) At Pumping Plant at Tehama Other: CP1_2020

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	0.24	0.00	0.00	0.00	0.00	0.01	1.51	1.66	2.56	2.91	2.34	0.52	12
1923	Below Normal	0.19	0.00	0.00	0.00	0.00	0.19	0.72	0.98	1.63	1.91	1.54	0.00	7
1924	Critical	0.33	0.01	0.00	0.00	0.00	0.06	0.15	0.44	0.31	0.63	0.99	0.22	3
1925	Dry	0.14	0.00	0.00	0.00	0.00	0.00	0.24	0.35	1.36	1.72	1.38	0.00	5
1926	Dry	0.37	0.00	0.00	0.00	0.00	0.03	0.10	0.13	0.80	0.92	0.72	0.00	3
1927	Wet	0.18	0.00	0.00	0.00	0.00	0.01	1.24	2.12	2.43	3.07	2.47	0.57	12
1928	Above Normal	0.16	0.00	0.00	0.00	0.00	0.00	0.51	0.99	1.78	2.05	1.65	0.22	7
1929	Critical	0.39	0.00	0.00	0.00	0.00	0.01	0.29	0.40	0.36	0.51	0.41	0.18	3
1930	Dry	0.21	0.05	0.00	0.00	0.00	0.00	0.21	0.22	0.91	1.03	0.83	0.00	3
1931	Critical	0.25	0.04	0.00	0.00	0.00	0.07	0.19	0.47	0.34	0.69	1.04	0.24	3
1932	Dry	0.16	0.04	0.00	0.00	0.00	0.01	0.33	0.38	0.62	1.02	1.31	0.36	4
1933	Critical	0.21	0.05	0.00	0.00	0.00	0.05	0.16	0.44	0.31	0.64	1.00	0.22	3
1934	Critical	0.15	0.04	0.00	0.00	0.00	0.00	0.25	0.61	0.51	0.87	1.19	0.30	4
1935	Below Normal	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.26	1.05	1.19	0.95	0.01	4
1936	Below Normal	0.23	0.00	0.00	0.00	0.00	0.00	0.44	0.55	1.14	1.56	1.25	0.02	5
1937	Below Normal	0.34	0.01	0.00	0.00	0.00	0.00	0.00	0.39	0.92	1.13	0.91	0.01	4
1938	Wet	0.19	0.00	0.00	0.00	0.00	0.00	0.01	1.48	3.09	3.24	2.61	0.44	11
1939	Dry	0.33	0.01	0.00	0.00	0.19	0.46	1.12	0.95	1.19	1.35	1.08	0.39	7
1940	Above Normal	0.26	0.01	0.00	0.00	0.00	0.00	0.76	1.26	2.83	3.26	2.62	0.62	12
1941	Wet	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.90	2.85	3.30	2.65	0.65	11
1942	Wet	0.21	0.00	0.00	0.00	0.00	0.00	0.00	1.19	3.08	3.29	2.65	0.62	11
1943	Wet	0.51	0.00	0.00	0.00	0.00	0.00	0.77	2.01	2.88	3.07	2.48	0.58	12
1944	Dry	0.48	0.01	0.00	0.00	0.00	0.02	0.00	0.54	1.32	1.56	1.26	0.05	5
1945	Below Normal	0.26	0.00	0.00	0.00	0.00	0.00	0.01	1.36	1.83	2.38	1.91	0.33	8
1946	Below Normal	0.15	0.00	0.00	0.00	0.00	0.04	1.02	1.76	2.46	2.76	2.25	0.95	11
1947	Dry	0.48	0.00	0.00	0.00	0.00	0.00	0.70	1.02	1.17	1.50	1.19	0.52	7
1948	Below Normal	0.15	0.00	0.00	0.00	0.03	0.05	0.15	1.03	2.20	3.29	2.64	0.54	10
1949	Dry	0.33	0.06	0.00	0.00	0.00	0.00	0.00	1.38	2.00	2.28	1.82	0.29	8
1950	Below Normal	0.46	0.00	0.00	0.00	0.00	0.01	0.65	0.53	1.07	1.23	0.99	0.01	5
1951	Above Normal	0.16	0.00	0.00	0.00	0.00	0.06	0.77	1.32	2.64	3.01	2.42	0.55	11
1952	Wet	0.15	0.00	0.00	0.00	0.00	0.00	0.12	1.69	2.46	3.05	2.48	0.57	11
1953	Wet	0.55	0.00	0.00	0.00	0.00	0.13	1.07	1.93	2.64	3.07	2.21	0.57	12
1954	Above Normal	0.45	0.00	0.00	0.00	0.00	0.00	0.01	1.58	2.76	3.20	2.34	0.61	11
1955	Dry	0.52	0.00	0.00	0.00	0.00	0.10	0.00	0.96	1.15	1.30	1.05	0.39	5
1956	Wet	0.27	0.00	0.00	0.00	0.00	0.11	0.50	1.80	2.55	3.07	2.47	0.43	11
1957	Above Normal	0.34	0.07	0.00	0.00	0.00	0.24	0.76	1.54	2.70	3.07	2.47	0.01	11
1958	Wet	0.14	0.01	0.00	0.00	0.00	0.00	0.00	1.01	2.74	3.18	2.61	0.62	10
1959	Below Normal	0.53	0.07	0.00	0.00	0.00	0.07	0.93	1.83	2.51	2.84	2.22	0.46	11
1960	Dry	0.54	0.07	0.00	0.00	0.00	0.00	0.38	0.15	0.76	0.86	0.70	0.00	3
1961	Dry	0.25	0.00	0.00	0.00	0.00	0.00	0.01	0.97	1.66	2.02	1.59	0.13	7
1962	Below Normal	0.39	0.00	0.00	0.00	0.00	0.00	0.51	1.76	2.53	3.02	2.43	0.52	11
1963	Wet	0.14	0.00	0.00	0.00	0.00	0.00	0.00	1.18	3.05	3.30	2.65	0.63	11
1964	Dry	0.24	0.00	0.00	0.00	0.00	0.13	0.92	1.01	1.07	1.30	1.04	0.40	6
1965	Wet	0.17	0.00	0.00	0.00	0.00	0.11	0.00	1.69	2.81	3.02	2.05	0.55	10
1966	Below Normal	0.55	0.00	0.00	0.00	0.00	0.07	1.64	1.71	2.41	2.73	2.20	0.44	12
1967	Wet	0.52	0.00	0.00	0.00	0.00	0.00	0.01	1.41	2.15	3.29	2.64	0.63	11
1968	Below Normal	0.53	0.04	0.00	0.00	0.00	0.00	0.39	1.63	2.32	2.97	2.13	0.54	11
1969	Wet	0.36	0.00	0.00	0.00	0.00	0.00	0.29	1.78	2.64	3.01	2.42	0.54	11
1970	Wet	0.31	0.00	0.00	0.00	0.00	0.00	0.22	1.25	1.85	2.19	1.76	0.27	8
1971	Wet	0.30	0.00	0.00	0.00	0.00	0.14	1.06	1.69	2.64	2.79	2.23	0.47	11
1972	Below Normal	0.47	0.00	0.00	0.00	0.01	0.72	0.72	1.22	1.84	2.16	1.74	0.10	9
1973	Above Normal	0.15	0.00	0.00	0.00	0.00	0.00	0.25	1.72	2.69	3.06	2.46	0.53	11
1974	Wet	0.20	0.00	0.00	0.00	0.00	0.00	0.01	2.05	2.99	2.79	2.61	0.63	11
1975	Wet	0.29	0.01	0.00	0.00	0.00	0.00	0.78	2.09	2.98	3.03	2.46	0.58	12
1976	Critical	0.17	0.01	0.00	0.00	0.18	0.24	0.31	0.38	0.41	0.47	0.35	0.14	3
1977	Critical	0.20	0.00	0.00	0.00	0.01	0.10	0.23	0.47	0.38	0.71	1.06	0.22	3
1978	Above Normal	0.16	0.00	0.00	0.00	0.00	0.00	0.03	1.87	2.87	3.25	2.61	0.39	11
1979	Below Normal	0.59	0.00	0.00	0.00	0.00	0.00	0.01	1.17	2.02	2.29	1.84	0.24	8
1980	Above Normal	0.19	0.04	0.00	0.00	0.00	0.00	0.15	1.54	2.58	3.05	2.49	0.57	11
1981	Dry	0.52	0.02	0.00	0.00	0.00	0.00	0.01	1.58	2.84	3.23	2.60	0.52	11
1982	Wet	0.17	0.00	0.00	0.00	0.00	0.00	0.01	1.47	2.52	3.30	2.65	0.16	10
1983	Wet	0.14	0.00	0.00	0.00	0.00	0.00	0.00	1.27	2.74	3.30	2.57	0.44	10
1984	Wet	0.45	0.00	0.00	0.00	0.00	0.09	0.92	1.81	2.68	2.81	2.12	0.46	11
1985	Dry	0.25	0.00	0.00	0.00	0.00	0.00	0.35	1.87	2.26	2.58	2.04	0.63	10
1986	Wet	0.42	0.00	0.00	0.00	0.00	0.00	0.52	1.02	2.11	2.13	1.71	0.09	8
1987	Dry	0.41	0.02	0.00	0.00	0.00	0.00	0.73	1.01	1.15	1.31	1.05	0.46	6
1988	Critical	0.24	0.00	0.00	0.00	0.00	0.05	0.30	0.41	0.53	0.64	0.52	0.23	3
1989	Dry	0.23	0.04	0.00	0.00	0.01	0.00	0.64	0.67	1.15	1.39	1.10	0.13	5
1990	Critical	0.18	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1991	Critical	0.14	0.04	0.00	0.00	0.00	0.00	0.22	0.74	0.73	1.15	1.41	0.35	5
1992	Critical	0.21	0.05	0.00	0.00	0.00	0.00	0.46	0.98	1.36	2.01	2.11	0.17	7
1993	Above Normal	0.16	0.05	0.00	0.00	0.00	0.00	1.04	1.22	2.34	3.27	2.63	0.64	11
1994	Critical	0.40	0.04	0.00	0.00	0.00	0.07	0.84	1.58	2.19	2.78	2.72	0.96	12
1995	Wet	0.32	0.00	0.00	0.00	0.00	0.00	0.81	1.07	2.50	3.26	2.62	0.64	11
1996	Wet	0.59	0.07	0.00	0.00	0.00	0.00	0.72	0.86	2.93	3.30	2.65	0.62	12
1997	Wet	0.22	0.04	0.00	0.00	0.00	0.14	1.06	1.66	2.53	2.78	2.08	0.91	11
1998	Wet	0.42	0.00	0.00	0.00	0.00	0.00	0.23	2.56	3.30	2.65	0.52	10	
1999	Wet	0.33	0.04	0.00	0.00	0.00	0.00	0.24	1.94	2.45	3.07	2.46	0.57	11
2000	Above Normal	0.50	0.04	0.00	0.00	0.00	0.00	0.01	1.49	2.60	3.30	2.65	0.54	11
2001	Dry	0.15	0.05	0.00	0.00	0.00	0.00	0.51	0.51	1.09	1.31	1.05	0.00	5
2002	Dry	0.24	0.04	0.00	0.00	0.00	0.09	0.71	1.02	1.93	2.20	1.77	0.77	9
2003	Above Normal	0.45	0.04	0.00	0.00	0.00	0.00	0.25	1.06	2.80	3.29	2.28	0.65	11
Average		0	0	0	0	0	0	0	1	2	2	2	0	8
Wet		0	0	0	0	0	0	0	1	3	3	2	1	11
Above Normal		0	0	0	0	0	0	1	1	3	3	2	0	11
Below Normal		0	0	0	0	0	0	1	1	2	2	2	0	8
Dry		0	0	0	0	0	0	0	1	1	2	1	0	6
Critical		0	0	0	0	0	0	0	1	1	1	1	0	4

Difference in Energy Use (GWh) At Pumping Plant at Tehama Other: CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1927	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1932	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1935	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1940	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1945	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1946	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1947	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1948	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1949	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1951	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	-1	0	0	0	0	0	0
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1961	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1963	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1965	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1966	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Below Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Dry		0	0	0	0	0	0	0	0	0	0	0	0	0
Critical		0	0	0	0	0	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at Tehama Other: CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norm	0%	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1923	Below Norm	0%	-	-	-	-	-13%	-13%	-17%	-13%	-13%	-13%	-35%
1924	Critical	-8%	-13%	-	-	-	0%	0%	0%	0%	0%	0%	0%
1925	Dry	0%	-	-	-	-	-	7%	19%	8%	8%	8%	8%
1926	Dry	5%	-	-	-	-	20%	20%	196%	20%	20%	20%	-98%
1927	Wet	4%	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1928	Above Norm	0%	-	-	-	-	-2%	-2%	-3%	-2%	-2%	-2%	-8%
1929	Critical	-2%	-	-	-	-	37%	37%	37%	37%	37%	37%	37%
1930	Dry	9%	3%	-	-	-	-	2%	4%	2%	2%	2%	2%
1931	Critical	1%	0%	-	-	-	0%	0%	0%	0%	0%	0%	0%
1932	Dry	0%	0%	-	-	-	12%	8%	-41%	7%	5%	3%	5%
1933	Critical	3%	0%	-	-	-	0%	0%	0%	0%	0%	0%	0%
1934	Critical	0%	0%	-	-	-	3%	2%	1%	2%	1%	1%	1%
1935	Below Norm	0%	-	-	-	-	-	-3%	-1%	-1%	-1%	-1%	-1%
1936	Below Norm	0%	-	-	-	-	-4%	-4%	-7%	-4%	-4%	-4%	-49%
1937	Below Norm	-2%	-4%	-	-	-	-	-3%	-9%	-5%	-5%	-5%	-5%
1938	Wet	-1%	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	-	-	0%	7%	4%	4%	4%	4%	4%	4%
1940	Above Norm	2%	4%	-	-	-	-	0%	0%	0%	0%	0%	0%
1941	Wet	0%	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1942	Wet	0%	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1943	Wet	0%	-	-	-	-	1%	1%	1%	1%	1%	1%	2%
1944	Dry	1%	1%	-	-	-	11%	11%	21%	11%	11%	11%	613%
1945	Below Norm	5%	-	-	-	-	-	-5%	-5%	-5%	-5%	-5%	-11%
1946	Below Norm	0%	-100%	-	-	-	9%	14%	10%	8%	8%	8%	8%
1947	Dry	5%	-	-	-	-	-	-3%	-3%	-3%	-3%	-3%	-3%
1948	Below Norm	0%	-	-	-	-3%	13%	3%	0%	0%	0%	0%	0%
1949	Dry	0%	0%	-	-	-	-	0%	0%	0%	0%	0%	1%
1950	Below Norm	0%	0%	-	-	-	2%	5%	9%	5%	5%	5%	5%
1951	Above Norm	0%	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	-	-	-	-	10%	0%	0%	0%	0%	0%	0%
1954	Above Norm	0%	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1955	Dry	0%	-	-	-	-	10%	-99%	100%	10%	10%	10%	10%
1956	Wet	4%	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1957	Above Norm	0%	0%	-	-	-	11%	13%	8%	6%	6%	6%	0%
1958	Wet	0%	6%	-	-	-	-	0%	0%	0%	0%	0%	0%
1959	Below Norm	0%	0%	-	-	-	0%	0%	0%	0%	0%	0%	0%
1960	Dry	0%	0%	-	-	-	60%	6%	24%	6%	6%	6%	6%
1961	Dry	2%	-	-	-	-	-	5%	8%	5%	5%	5%	33%
1962	Below Norm	3%	-	-	-	-	-	45%	18%	14%	14%	14%	32%
1963	Wet	0%	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1964	Dry	0%	-	-	-	-	7%	7%	7%	7%	7%	7%	7%
1965	Wet	1%	-	-	-	-	2%	2%	12%	9%	9%	9%	19%
1966	Below Norm	7%	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1968	Below Norm	0%	0%	-	-	-	-	38%	13%	10%	10%	10%	21%
1969	Wet	6%	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	-	-	-	5%	43%	9%	7%	7%	7%	23%
1971	Wet	4%	-	-	-	-	4%	0%	0%	0%	0%	0%	0%
1972	Below Norm	0%	0%	-	-	0%	12%	28%	16%	12%	12%	12%	171%
1973	Above Norm	1%	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1974	Wet	0%	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	-	-	-	-	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	-	-	0%	-12%	-12%	-12%	-12%	-12%	-12%	-12%
1977	Critical	-4%	-12%	-	-	-12%	0%	0%	0%	0%	0%	0%	0%
1978	Above Norm	0%	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1979	Below Norm	0%	-	-	-	-	0%	0%	-6%	-4%	-4%	-4%	-12%
1980	Above Norm	-1%	0%	-	-	-	-	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	-	-	-	-	0%	0%	0%	0%	0%	0%
1982	Wet	0%	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1983	Wet	0%	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1984	Wet	0%	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	-	-	-	-	-	44%	13%	13%	13%	13%	13%
1986	Wet	8%	-	-	-	-	-	8%	12%	7%	8%	8%	104%
1987	Dry	5%	8%	-	-	-	3%	-5%	-5%	-5%	-5%	-5%	-5%
1988	Critical	-2%	-	-	-	-	10%	10%	10%	10%	10%	10%	10%
1989	Dry	3%	0%	-	-	10%	-	7%	12%	7%	7%	7%	4%
1990	Critical	1%	0%	-	-	-	-	-	-	-	-	-	-
1991	Critical	0%	0%	-	-	-	-	8%	7%	10%	8%	5%	9%
1992	Critical	5%	1%	-	-	-	-	3%	3%	3%	2%	2%	4%
1993	Above Norm	0%	0%	-	-	-	-	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	-	-	-	0%	0%	0%	0%	0%	0%	0%
1995	Wet	0%	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	-	-	-	-	0%	0%	0%	0%	0%	0%
1997	Wet	0%	0%	-	-	-	7%	13%	9%	7%	7%	7%	7%
1998	Wet	5%	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	-	-	-	-	0%	0%	0%	0%	0%	0%
2000	Above Norm	0%	0%	-	-	-	-	0%	0%	0%	0%	0%	0%
2001	Dry	0%	0%	-	-	-	9%	17%	35%	17%	17%	17%	17%
2002	Dry	6%	0%	-	-	-	9%	38%	22%	15%	15%	15%	15%
2003	Above Norm	10%	0%	-	-	-	-	0%	0%	0%	0%	0%	0%
Average		1%	-3%	#DIV/0!	#DIV/0!	-1%	6%	4%	7%	3%	3%	3%	12%
Wet		1%	0%	0%	0%	0%	1%	3%	2%	1%	1%	1%	6%
Above Norm		1%	0%	0%	0%	0%	1%	1%	0%	0%	0%	0%	-1%
Below Norm		1%	-7%	0%	0%	0%	1%	8%	1%	1%	1%	1%	9%
Dry		2%	1%	0%	0%	1%	8%	4%	23%	7%	7%	7%	35%
Critical		0%	-2%	0%	0%	-1%	3%	4%	4%	4%	4%	4%	4%

Difference in Energy Use (GWh) At Pumping Plant at Tracy: CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	-2	0	0	0	-6	-6	0	-1
1924	Critical	0	-6	-6	0	30	0	0	0	0	3	0	22	4
1925	Dry	11	-1	0	-20	-52	-6	1	0	3	4	2	0	-5
1926	Dry	0	0	1	0	2	4	2	7	2	0	0	16	3
1927	Wet	3	0	0	0	-6	-3	0	-4	0	15	1	0	0
1928	Above Norma	0	0	0	0	-8	-10	0	0	0	4	0	-2	-1
1929	Critical	0	0	0	0	0	0	0	1	4	3	0	0	1
1930	Dry	0	0	0	0	10	1	0	0	1	18	-13	-4	1
1931	Critical	-5	1	1	0	30	-1	0	0	0	0	0	0	2
1932	Dry	0	0	0	-22	-2	0	0	0	0	0	0	0	-2
1933	Critical	0	0	7	0	1	0	0	0	0	0	0	6	1
1934	Critical	1	2	0	-8	0	0	0	0	0	0	0	-2	-1
1935	Below Norma	0	0	1	0	0	3	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	-2	-1	-1	0	0	-3	3	0	0
1937	Below Norma	0	0	0	-8	-1	0	0	-1	0	0	0	0	-1
1938	Wet	1	0	0	-7	0	0	0	0	0	0	0	0	-1
1939	Dry	0	0	0	0	0	3	0	6	0	1	0	11	2
1940	Above Norma	-2	-5	0	0	0	0	0	0	0	0	0	0	-1
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	-8	0	0	0	0	0	0	0	-1
1944	Dry	0	0	0	0	0	0	0	6	7	5	0	0	2
1945	Below Norma	0	0	0	0	5	0	0	-1	0	0	0	0	0
1946	Below Norma	-4	0	0	0	-4	6	0	0	0	18	0	-1	1
1947	Dry	0	0	0	0	0	-11	0	0	-7	2	1	0	-1
1948	Below Norma	0	1	0	-7	0	0	0	0	0	6	0	0	0
1949	Dry	1	0	0	0	0	9	0	0	0	0	0	0	1
1950	Below Norma	-2	1	0	0	0	1	0	13	0	0	0	0	1
1951	Above Norma	16	0	-10	-10	1	0	0	11	5	-6	0	0	1
1952	Wet	0	0	0	0	0	-5	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	-2	0	0	0
1955	Dry	0	0	0	0	0	-17	1	0	10	12	10	1	1
1956	Wet	0	0	0	0	3	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	2	0	0	0	0	0	-4	0	0	0
1958	Wet	0	0	0	0	0	1	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	17	-8	11	-2	0	0	-6	-2	-1	-1	0	1
1961	Dry	0	0	6	0	-3	-1	0	0	2	-5	13	1	1
1962	Below Norma	10	21	-3	-5	0	0	0	6	0	-13	0	1	2
1963	Wet	0	0	0	0	5	3	0	0	0	3	0	0	1
1964	Dry	0	0	0	0	0	0	1	-7	-16	17	11	-15	-1
1965	Wet	0	0	0	0	20	1	0	0	0	0	0	0	2
1966	Below Norma	0	0	0	0	8	13	0	0	0	0	0	0	2
1967	Wet	0	4	0	0	0	-4	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	2	0	0	-2	0
1969	Wet	3	0	0	0	0	-3	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	1	0	0	0	1	0	0	0
1971	Wet	0	0	0	0	8	0	0	0	0	0	0	0	1
1972	Below Norma	0	0	0	0	-6	0	0	0	-9	-2	0	0	-1
1973	Above Norma	0	0	0	0	0	1	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	-2	0	0	0	1	0	0	0
1976	Critical	0	0	0	0	0	-1	0	-1	-3	-1	0	-4	-1
1977	Critical	7	0	0	-1	-4	0	0	0	-3	-3	-20	10	-1
1978	Above Norma	-19	-2	1	0	0	16	2	0	0	0	0	0	0
1979	Below Norma	0	0	0	0	0	-1	0	0	0	0	0	0	0
1980	Above Norma	0	0	0	0	9	0	0	0	0	0	0	0	1
1981	Dry	0	0	0	0	0	0	0	0	1	0	0	0	0
1982	Wet	4	0	0	0	0	-4	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	17	0	0	-7	0	0	0	1
1986	Wet	0	0	0	0	0	10	2	0	0	8	0	0	2
1987	Dry	0	0	0	12	2	0	0	-1	-2	-8	5	3	1
1988	Critical	-9	0	0	0	2	0	0	0	3	3	0	0	0
1989	Dry	0	0	14	0	11	0	1	0	-4	-5	-5	0	1
1990	Critical	1	0	2	0	-1	0	0	0	0	-1	0	0	0
1991	Critical	0	0	0	1	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	11	0	1	1	0	3	0	1
1993	Above Norma	0	5	-3	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	-18	0	0	0	-1
1995	Wet	16	0	-1	0	0	0	1	0	0	0	0	0	1
1996	Wet	0	0	0	0	0	0	0	0	2	0	0	0	0
1997	Wet	0	0	0	0	-2	0	0	2	0	-3	0	0	0
1998	Wet	0	0	0	0	1	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	-3	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	6	8	7	0	2
2002	Dry	-4	2	0	0	7	0	0	0	0	0	2	0	1
2003	Above Norma	12	7	0	0	-11	21	0	0	-14	0	0	0	1
Average		0	1	0	-1	1	1	0	0	0	1	0	1	0
Wet		1	0	0	0	1	0	0	0	0	1	0	0	0
Above Norma		1	1	-1	-1	-1	2	0	1	-1	-1	0	0	0
Below Norma		0	2	0	-1	0	1	0	1	-1	0	0	0	0
Dry		0	1	1	-1	-2	0	0	0	-1	3	1	1	0
Critical		0	0	0	-1	5	1	0	0	-1	0	-1	3	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at Tracy: CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1923	Below Norm	0%	0%	0%	0%	0%	-5%	0%	0%	0%	-9%	-9%	0%
1924	Critical	0%	-9%	-11%	0%	276%	0%	0%	0%	0%	11%	0%	105%
1925	Dry	32%	-6%	0%	-29%	-85%	-15%	2%	0%	13%	9%	9%	0%
1926	Dry	0%	0%	1%	0%	3%	15%	5%	57%	17%	1%	0%	69%
1927	Wet	8%	0%	0%	0%	-9%	-8%	0%	-15%	0%	29%	2%	0%
1928	Above Norm	0%	0%	0%	0%	-12%	-23%	0%	0%	0%	13%	0%	-3%
1929	Critical	0%	0%	0%	0%	0%	-1%	0%	7%	35%	11%	0%	0%
1930	Dry	0%	0%	0%	0%	20%	3%	0%	-1%	3%	103%	-52%	-8%
1931	Critical	-11%	2%	1%	0%	200%	-4%	0%	0%	0%	-2%	5%	0%
1932	Dry	0%	0%	0%	-33%	-19%	0%	1%	0%	0%	0%	-1%	0%
1933	Critical	0%	0%	25%	5%	4%	0%	0%	0%	0%	0%	0%	14%
1934	Critical	2%	6%	-1%	-25%	0%	0%	0%	0%	0%	0%	0%	-10%
1935	Below Norm	-1%	-1%	2%	0%	0%	9%	-1%	0%	-1%	0%	1%	0%
1936	Below Norm	0%	0%	1%	0%	-9%	-2%	-3%	0%	0%	-8%	7%	0%
1937	Below Norm	0%	0%	0%	-13%	-3%	3%	-2%	-3%	0%	0%	0%	0%
1938	Wet	1%	0%	0%	-25%	-4%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	0%	9%	0%	25%	0%	2%	1%	20%
1940	Above Norm	-4%	-11%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1942	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	-18%	0%	0%	-1%	0%	0%	0%	0%
1944	Dry	0%	0%	0%	0%	0%	0%	0%	0%	18%	20%	17%	1%
1945	Below Norm	0%	0%	0%	0%	12%	-1%	0%	-4%	0%	0%	-1%	0%
1946	Below Norm	-6%	0%	0%	0%	-14%	10%	0%	0%	0%	38%	0%	-2%
1947	Dry	0%	0%	0%	0%	0%	-26%	0%	0%	-17%	3%	3%	0%
1948	Below Norm	0%	1%	0%	-12%	0%	0%	0%	0%	0%	0%	9%	0%
1949	Dry	1%	0%	0%	0%	0%	19%	0%	0%	0%	0%	0%	0%
1950	Below Norm	-3%	1%	1%	0%	0%	2%	0%	71%	0%	0%	0%	0%
1951	Above Norm	37%	0%	-14%	-42%	3%	0%	0%	52%	13%	-14%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	-9%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	-7%	0%	0%
1955	Dry	0%	0%	0%	0%	0%	-34%	3%	0%	31%	23%	64%	2%
1956	Wet	0%	0%	0%	0%	7%	0%	0%	-1%	0%	0%	0%	0%
1957	Above Norm	0%	0%	0%	4%	0%	0%	0%	0%	0%	-7%	0%	0%
1958	Wet	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1959	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1960	Dry	0%	35%	-26%	19%	-4%	0%	1%	-24%	-5%	-3%	-4%	0%
1961	Dry	0%	0%	13%	0%	-4%	-4%	0%	2%	0%	4%	-8%	26%
1962	Below Norm	38%	51%	-5%	-7%	0%	0%	0%	30%	0%	-19%	0%	1%
1963	Wet	0%	0%	0%	0%	8%	7%	0%	0%	0%	6%	0%	0%
1964	Dry	0%	0%	0%	0%	0%	-1%	3%	-26%	-42%	40%	30%	-23%
1965	Wet	-1%	0%	0%	0%	48%	3%	0%	0%	0%	0%	0%	0%
1966	Below Norm	0%	0%	0%	0%	14%	33%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	7%	0%	0%	0%	-7%	0%	0%	0%	0%	0%	0%
1968	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	3%	0%	-4%
1969	Wet	5%	0%	0%	0%	0%	-6%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	2%	0%	0%	0%	2%	0%	0%
1971	Wet	0%	0%	0%	0%	15%	0%	0%	0%	0%	0%	0%	0%
1972	Below Norm	0%	0%	0%	0%	-10%	0%	0%	0%	-25%	-4%	0%	0%
1973	Above Norm	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	-4%	0%	1%	0%	1%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	-4%	2%	-11%	-21%	-2%	0%	-14%
1977	Critical	16%	0%	0%	-1%	-26%	0%	0%	0%	0%	-6%	-68%	30%
1978	Above Norm	-45%	-5%	2%	0%	0%	30%	7%	0%	0%	0%	0%	0%
1979	Below Norm	0%	0%	0%	0%	0%	-4%	0%	0%	0%	0%	1%	0%
1980	Above Norm	0%	0%	0%	0%	25%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%
1982	Wet	9%	0%	0%	0%	0%	-7%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	38%	0%	0%	-16%	0%	0%	0%
1986	Wet	0%	0%	0%	0%	0%	51%	6%	0%	0%	71%	0%	0%
1987	Dry	0%	0%	0%	36%	6%	1%	1%	-5%	-6%	-14%	23%	6%
1988	Critical	-15%	0%	0%	0%	10%	0%	0%	0%	11%	8%	0%	0%
1989	Dry	0%	1%	40%	0%	92%	0%	4%	0%	-10%	-10%	-12%	1%
1990	Critical	2%	0%	4%	0%	-2%	0%	0%	0%	0%	-3%	0%	0%
1991	Critical	0%	0%	-1%	6%	0%	0%	0%	0%	0%	0%	0%	0%
1992	Critical	0%	0%	0%	0%	0%	34%	0%	5%	6%	0%	23%	0%
1993	Above Norm	0%	19%	-5%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	0%	1%	0%	0%	0%	-57%	0%	0%	0%
1995	Wet	49%	-1%	-1%	0%	0%	0%	3%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	0%	0%	0%	0%	0%	0%	5%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	-3%	0%	0%	11%	0%	-5%	0%	0%
1998	Wet	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	-7%	0%	0%
2001	Dry	0%	0%	1%	0%	0%	0%	0%	0%	25%	18%	32%	1%
2002	Dry	-6%	4%	0%	0%	40%	0%	0%	0%	0%	0%	2%	0%
2003	Above Norm	22%	13%	0%	0%	-22%	55%	0%	0%	-36%	1%	0%	0%
Average		2%	1%	0%	-1%	7%	2%	0%	2%	-1%	4%	1%	3%
Wet		3%	0%	0%	-1%	2%	1%	0%	0%	0%	4%	0%	0%
Above Norm		1%	1%	-2%	-3%	0%	5%	1%	4%	-2%	-2%	0%	0%
Below Norm		2%	4%	0%	-2%	-1%	3%	0%	7%	-2%	0%	1%	0%
Dry		2%	2%	2%	0%	3%	0%	1%	2%	1%	11%	6%	5%
Critical		0%	0%	2%	-1%	39%	2%	0%	0%	-2%	2%	-3%	11%

Difference in Energy generated (GWh) at Alamo Dam: CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	1	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	1	1	0	-2	3	0	0	0	0	0	0	0
1927	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1929	Critical	0	-1	-1	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	0	0	0	2	0	0	0	0	0	0
1931	Critical	1	1	1	2	2	1	-1	-1	-1	-1	-1	-1	0
1932	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1933	Critical	0	-1	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1935	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	0	0	0	0	2	0	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1940	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	1	0	0	0	0	0	0	0	0
1945	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1946	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1947	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1948	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1949	Dry	0	0	0	0	0	0	0	-1	-1	-1	-1	-1	0
1950	Below Norma	0	0	0	0	0	2	0	0	0	0	0	0	0
1951	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1956	Wet	1	1	1	0	0	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	1	0	0	0	0	0	0
1961	Dry	0	1	2	3	2	-2	1	0	0	0	0	0	1
1962	Below Norma	0	0	1	1	1	-7	0	0	0	0	0	0	0
1963	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	2	0	0	2	-1	-6	0	0	0	0
1965	Wet	1	1	1	0	0	0	0	0	0	0	0	0	0
1966	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	1	0	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	2	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	2	0	-1	0	-1	-1	0
1973	Above Norma	0	0	1	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	1	1	1	1	1	0
1977	Critical	1	1	1	1	0	0	-1	-1	-1	-1	-1	-1	0
1978	Above Norma	0	0	0	8	-2	0	0	0	0	0	0	0	0
1979	Below Norma	0	0	0	-1	0	0	0	0	0	0	0	0	0
1980	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	1	0	0	0
1986	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	2	0	0	0	0	0	0
1995	Wet	1	1	2	2	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	3	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	Above Norma	1	0	1	0	0	0	0	0	0	0	0	0	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norma		0	0	0	1	0	0	0	0	0	0	0	0	0
Below Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Dry		0	0	0	0	0	0	0	0	0	0	0	0	0
Critical		0	0	0	0	0	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy generated (GWh) at Alamo Dam: CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	245%	4%	0%	0%	0%	0%	0%	0%	0%
1923	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1924	Critical	0%	0%	0%	2%	2%	3%	4%	4%	4%	4%	4%	4%
1925	Dry	4%	4%	4%	3%	2%	26%	-5%	-5%	-5%	-1%	3%	3%
1926	Dry	7%	14%	12%	11%	-19%	44%	-1%	0%	0%	0%	0%	0%
1927	Wet	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1928	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1929	Critical	-3%	-5%	-5%	1%	1%	1%	0%	0%	0%	0%	0%	0%
1930	Dry	0%	0%	0%	1%	1%	-1%	23%	0%	0%	0%	0%	0%
1931	Critical	9%	8%	19%	83%	72%	48%	-8%	-8%	-8%	-8%	-8%	-8%
1932	Dry	-8%	-8%	-8%	-7%	-2%	-11%	3%	3%	3%	0%	-3%	-3%
1933	Critical	-6%	-10%	-9%	-7%	-6%	-1%	5%	4%	4%	1%	-1%	-1%
1934	Critical	-4%	-7%	-7%	-7%	-5%	-3%	-1%	-1%	-1%	-1%	-1%	-1%
1935	Below Norma	-1%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1936	Below Norma	0%	2%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%	0%
1937	Below Norma	0%	0%	0%	1%	0%	25%	0%	0%	0%	0%	0%	0%
1938	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1940	Above Norma	0%	1%	1%	-2%	-2%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1942	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1944	Dry	0%	1%	1%	1%	5%	0%	0%	0%	0%	0%	0%	0%
1945	Below Norma	0%	0%	0%	-1%	2%	0%	0%	0%	0%	0%	0%	0%
1946	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1947	Dry	0%	0%	0%	0%	0%	2%	0%	0%	0%	0%	0%	0%
1948	Below Norma	0%	0%	0%	3%	3%	1%	-4%	0%	0%	0%	0%	0%
1949	Dry	0%	0%	0%	-1%	-1%	-2%	-5%	-6%	-6%	-6%	-6%	-6%
1950	Below Norma	-6%	-6%	-6%	-5%	-2%	53%	0%	0%	0%	0%	0%	0%
1951	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1955	Dry	0%	0%	0%	-1%	0%	3%	-7%	-1%	-1%	2%	4%	4%
1956	Wet	8%	12%	11%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1958	Wet	3%	3%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1960	Dry	0%	1%	1%	1%	1%	0%	13%	0%	0%	0%	0%	0%
1961	Dry	5%	10%	22%	64%	49%	-32%	8%	0%	0%	0%	0%	0%
1962	Below Norma	4%	4%	7%	19%	17%	-63%	0%	0%	0%	0%	0%	0%
1963	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1964	Dry	0%	0%	0%	27%	0%	0%	17%	-12%	-53%	4%	-2%	-2%
1965	Wet	6%	6%	11%	0%	0%	2%	0%	3%	3%	3%	3%	3%
1966	Below Norma	3%	3%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	0%	10%	0%	0%	0%	0%	0%	0%	0%	0%
1968	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1969	Wet	0%	1%	1%	17%	0%	0%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1972	Below Norma	0%	0%	0%	5%	0%	0%	23%	-2%	-6%	-1%	-7%	-8%
1973	Above Norma	3%	3%	12%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	-4%	9%	8%	8%	8%	9%
1977	Critical	9%	9%	9%	7%	7%	5%	-19%	-21%	-21%	-20%	-20%	-20%
1978	Above Norma	-21%	-23%	-21%	1252%	-18%	0%	0%	0%	0%	0%	0%	0%
1979	Below Norma	0%	0%	0%	-31%	0%	0%	0%	0%	0%	0%	0%	0%
1980	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1982	Wet	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	6%	-5%	0%
1986	Wet	0%	0%	0%	-2%	0%	0%	0%	0%	0%	0%	0%	0%
1987	Dry	0%	4%	4%	0%	0%	0%	1%	1%	0%	0%	0%	0%
1988	Critical	1%	1%	1%	1%	3%	0%	-2%	-2%	-2%	-2%	-2%	-2%
1989	Dry	-2%	-2%	-2%	-2%	-9%	-4%	0%	0%	0%	0%	0%	0%
1990	Critical	0%	0%	0%	-6%	-1%	2%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	0%	0%	-2%	-4%	4%	4%	4%	4%	4%	4%
1992	Critical	4%	4%	4%	3%	2%	-26%	6%	3%	2%	0%	-2%	-2%
1993	Above Norma	-5%	-8%	-7%	-6%	0%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	0%	0%	0%	22%	4%	-1%	5%	-4%	-4%
1995	Wet	10%	11%	22%	50%	0%	0%	0%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	4%	4%	4%	4%	4%	4%
1998	Wet	5%	5%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norma	0%	0%	0%	32%	0%	0%	0%	0%	0%	0%	0%	0%
2001	Dry	0%	0%	0%	0%	1%	0%	2%	2%	2%	2%	0%	0%
2002	Dry	2%	2%	2%	1%	0%	0%	1%	0%	0%	0%	0%	0%
2003	Above Norma	5%	5%	6%	0%	0%	1%	0%	0%	0%	7%	10%	0%
Average		0%	1%	1%	22%	1%	1%	1%	0%	-1%	0%	0%	0%
Wet		1%	1%	2%	3%	0%	0%	0%	0%	0%	0%	0%	0%
Above Norma		-2%	-2%	-1%	127%	-1%	0%	0%	0%	0%	1%	1%	0%
Below Norma		0%	0%	0%	-1%	1%	1%	1%	0%	0%	0%	-1%	-1%
Dry		0%	1%	2%	6%	2%	1%	3%	-1%	-3%	0%	0%	0%
Critical		1%	0%	1%	6%	6%	2%	1%	0%	-1%	-1%	-2%	-2%

Difference in Energy generated (GWh) at Castaic: CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	-3	2	0	-1	-1	-1	-1	-1	-1	0
1923	Below Norma	-1	-1	-1	0	0	0	0	0	0	0	5	5	1
1924	Critical	3	2	2	1	1	0	1	1	1	1	1	1	1
1925	Dry	0	0	0	-28	0	0	3	2	2	1	6	6	-1
1926	Dry	7	8	5	1	0	16	-4	4	-1	-1	-1	-1	3
1927	Wet	-1	-1	-1	0	3	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	16	0	3	14	4	-3	-3	-3	-3	2
1929	Critical	-3	-2	-3	0	0	0	0	0	0	0	0	0	-1
1930	Dry	0	0	0	0	-8	1	4	1	-1	-5	-4	-2	-1
1931	Critical	4	5	13	7	7	2	-2	-3	-3	-4	-2	-2	2
1932	Dry	-1	0	0	0	0	0	-1	-1	-1	-1	-4	-3	-1
1933	Critical	-4	-5	0	-3	14	-2	-1	-1	-1	-1	-5	-5	-1
1934	Critical	-6	-7	-4	0	8	0	0	0	0	0	0	0	-1
1935	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	1	0	0	0	0	0	0
1937	Below Norma	0	0	4	0	0	0	-2	-2	-2	-2	-2	-2	-1
1938	Wet	-2	-2	-2	1	0	0	0	-2	0	0	0	0	-1
1939	Dry	0	0	2	0	-1	1	1	1	1	1	1	1	0
1940	Above Norma	1	1	1	-1	0	0	-1	0	0	0	0	0	0
1941	Wet	1	1	1	11	3	0	0	0	2	0	0	-2	1
1942	Wet	-2	-1	-1	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	1	1	1	1	1	1	0
1944	Dry	1	1	1	0	22	1	-3	-3	-3	-3	-3	-3	1
1945	Below Norma	-3	-3	-3	0	9	-12	0	1	1	1	1	1	-1
1946	Below Norma	1	1	1	1	0	0	0	0	2	1	0	0	0
1947	Dry	0	0	0	0	-1	17	4	4	4	4	4	4	3
1948	Below Norma	4	4	4	0	0	0	-4	-1	-1	-1	-1	-1	0
1949	Dry	-1	-1	-1	-1	0	0	-2	-3	-3	-4	-3	-3	-2
1950	Below Norma	-3	-2	-1	0	0	-8	1	2	2	2	2	1	0
1951	Above Norma	1	1	1	1	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	1	0	0	0	0	1	-2	-2	0	0
1955	Dry	0	0	0	0	0	2	2	3	3	3	7	7	2
1956	Wet	8	8	5	0	-1	0	0	0	0	0	0	0	2
1957	Above Norma	0	0	0	1	0	0	3	4	1	2	2	1	1
1958	Wet	1	1	1	0	4	0	0	0	0	0	0	0	1
1959	Below Norma	0	0	-1	0	1	1	1	1	1	1	1	1	0
1960	Dry	1	1	1	0	0	0	6	1	-2	-8	-7	-4	-1
1961	Dry	5	6	19	9	-26	-4	2	1	0	-1	-1	0	1
1962	Below Norma	2	2	5	2	2	-17	-17	-3	-3	-3	-4	-4	-3
1963	Wet	-4	-4	-4	-3	0	0	0	0	-1	-2	-1	-1	-2
1964	Dry	-1	-1	-1	23	0	16	14	-2	-3	-3	-3	-1	3
1965	Wet	2	3	8	8	1	1	2	2	2	2	2	2	3
1966	Below Norma	2	2	2	0	0	0	0	0	0	0	0	0	1
1967	Wet	0	0	0	10	2	0	-1	-1	-1	-1	-1	-1	0
1968	Below Norma	-1	-1	0	0	0	0	1	1	1	1	1	1	0
1969	Wet	1	1	1	9	2	0	-1	-1	-1	-1	-1	-1	1
1970	Wet	-1	-1	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	8	-3	0
1972	Below Norma	-1	-1	-1	16	1	9	7	-2	-3	-7	-6	-4	1
1973	Above Norma	0	1	8	-12	-10	0	0	0	0	0	0	0	-1
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	1	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	-1	-30	5	5	5	5	5	-1
1977	Critical	5	4	4	1	1	0	-2	-3	-3	-4	-2	-2	0
1978	Above Norma	0	0	0	14	-9	0	1	3	3	4	4	2	2
1979	Below Norma	8	9	14	-8	-5	-3	0	0	0	0	0	0	1
1980	Above Norma	0	0	0	2	0	0	1	1	1	1	1	1	1
1981	Dry	1	1	1	1	0	0	1	1	1	1	1	1	1
1982	Wet	1	1	1	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	-4	-2	-2	-3	-3	-1
1986	Wet	-3	-3	-3	0	10	0	2	2	2	3	3	2	1
1987	Dry	2	2	2	4	3	3	0	0	0	0	0	0	2
1988	Critical	0	0	0	0	-3	0	-1	-1	-1	-1	-1	0	0
1989	Dry	0	0	0	0	0	-8	1	1	1	1	1	2	0
1990	Critical	2	3	4	0	0	0	0	0	0	0	0	0	1
1991	Critical	0	0	0	0	0	0	1	1	1	1	1	1	0
1992	Critical	0	0	0	0	0	-21	14	-1	-1	-1	-4	-4	-1
1993	Above Norma	-4	-5	-2	-1	0	0	0	0	0	0	0	0	-1
1994	Critical	0	0	0	1	2	3	4	1	-1	-6	-5	-3	0
1995	Wet	3	4	12	9	0	0	3	13	3	11	8	4	6
1996	Wet	2	1	-30	7	10	0	-2	2	0	0	0	0	-1
1997	Wet	0	0	0	0	0	0	2	2	2	2	2	2	1
1998	Wet	2	2	2	0	0	0	0	0	0	0	0	0	1
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	14	0	0	5	8	6	5	0	-2	3
2001	Dry	-2	-1	-1	0	-1	0	1	1	1	1	1	1	0
2002	Dry	1	1	0	0	5	0	3	2	2	2	2	2	2
2003	Above Norma	3	3	4	9	1	11	-4	-2	-2	-1	-1	0	2
Average		0	0	1	2	1	0	0	0	0	0	0	0	0
Wet		0	0	0	2	1	0	0	1	0	1	1	0	1
Above Norma		0	0	1	4	-1	1	1	1	1	0	0	0	1
Below Norma		1	1	2	1	1	-2	-1	0	0	-1	0	0	0
Dry		1	1	1	1	0	3	2	0	0	-1	0	0	1
Critical		0	0	1	1	3	-1	-1	0	0	-1	-1	-1	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy generated (GWh) at Castaic: CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norm	0%	0%	0%	105%	3%	0%	-1%	-1%	-1%	-1%	-1%	-1%
1923	Below Norm	-1%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%	6%	7%
1924	Critical	6%	4%	4%	2%	2%	1%	2%	3%	4%	4%	4%	4%
1925	Dry	0%	0%	0%	-34%	0%	0%	8%	4%	3%	3%	15%	16%
1926	Dry	45%	81%	4644%	9%	0%	62%	-6%	5%	-2%	-2%	-2%	-2%
1927	Wet	-2%	-2%	-2%	1%	3%	0%	0%	0%	0%	0%	0%	0%
1928	Above Norm	0%	0%	0%	29%	0%	3%	18%	6%	-4%	-4%	-4%	-4%
1929	Critical	-5%	-5%	-5%	1%	1%	1%	0%	0%	0%	0%	0%	0%
1930	Dry	1%	0%	0%	0%	-23%	1%	10%	1%	-1%	-6%	-5%	-3%
1931	Critical	8%	12%	67%	61%	79%	20%	-6%	-7%	-8%	-8%	-8%	-8%
1932	Dry	-24%	0%	0%	0%	0%	0%	-3%	-3%	-2%	-2%	-9%	-9%
1933	Critical	-27%	-51%	0%	-35%	33%	-2%	-2%	-2%	-2%	-9%	-10%	-10%
1934	Critical	-20%	-26%	-44%	-3%	18%	-4%	-1%	-1%	-1%	-1%	-1%	-1%
1935	Below Norm	-1%	-1%	-1%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1936	Below Norm	0%	0%	0%	-2%	0%	0%	1%	0%	0%	0%	0%	0%
1937	Below Norm	1%	1%	5%	5%	0%	0%	-3%	-3%	-3%	-3%	-3%	-3%
1938	Wet	-3%	-3%	-4%	1%	0%	0%	0%	-3%	0%	0%	0%	0%
1939	Dry	0%	0%	2%	0%	-2%	1%	1%	1%	1%	1%	1%	1%
1940	Above Norm	1%	1%	1%	-3%	-1%	0%	-1%	0%	0%	0%	0%	0%
1941	Wet	1%	1%	1%	19%	4%	0%	0%	0%	3%	0%	0%	-3%
1942	Wet	-2%	-2%	-2%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%
1944	Dry	1%	1%	1%	1%	45%	1%	-4%	-4%	-4%	-4%	-4%	-4%
1945	Below Norm	-5%	-5%	-5%	-1%	16%	-17%	0%	1%	1%	1%	1%	1%
1946	Below Norm	1%	1%	1%	1%	0%	0%	0%	2%	1%	0%	0%	0%
1947	Dry	0%	0%	0%	0%	-2%	36%	7%	6%	6%	6%	6%	6%
1948	Below Norm	7%	7%	8%	0%	2%	1%	-9%	-2%	-2%	-2%	-2%	-2%
1949	Dry	-2%	-2%	-2%	-3%	-2%	-1%	-5%	-5%	-6%	-6%	-6%	-6%
1950	Below Norm	-7%	-7%	-11%	-1%	0%	-9%	2%	2%	2%	2%	2%	2%
1951	Above Norm	2%	2%	2%	2%	0%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Norm	0%	0%	0%	2%	0%	0%	0%	1%	-2%	-2%	0%	0%
1955	Dry	0%	0%	0%	1%	0%	8%	4%	6%	6%	14%	15%	15%
1956	Wet	30%	41%	89%	1%	-1%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norm	0%	0%	0%	1%	0%	0%	3%	6%	2%	2%	2%	3%
1958	Wet	3%	3%	3%	0%	5%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norm	0%	0%	-2%	0%	1%	1%	1%	1%	1%	1%	1%	1%
1960	Dry	2%	2%	2%	1%	1%	-1%	9%	2%	-3%	-11%	-10%	-6%
1961	Dry	9%	14%	64%	46%	-53%	-4%	4%	1%	0%	-2%	-1%	0%
1962	Below Norm	4%	5%	18%	10%	19%	-24%	-20%	-4%	-4%	-4%	-4%	-5%
1963	Wet	-6%	-6%	-7%	-5%	0%	0%	0%	-2%	-2%	-3%	-2%	-1%
1964	Dry	-1%	-1%	-1%	52%	0%	20%	-23%	-4%	-5%	-5%	-4%	-2%
1965	Wet	5%	8%	26%	13%	1%	2%	3%	3%	3%	3%	3%	3%
1966	Below Norm	4%	4%	4%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1967	Wet	1%	1%	1%	20%	3%	0%	-1%	-1%	-1%	-1%	-1%	-1%
1968	Below Norm	-2%	-1%	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%
1969	Wet	1%	1%	1%	20%	3%	0%	-1%	-1%	-1%	-1%	-1%	-1%
1970	Wet	-1%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	10%	-4%
1972	Below Norm	-2%	-2%	-1%	32%	1%	11%	12%	-3%	-6%	-11%	-10%	-8%
1973	Above Norm	1%	4%	44%	-12%	-12%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	1%	0%	-1%	-38%	8%	9%	9%	9%	9%
1977	Critical	11%	11%	12%	5%	6%	3%	-11%	-15%	-20%	-21%	-19%	-20%
1978	Above Norm	0%	0%	0%	21%	-11%	0%	1%	3%	4%	4%	4%	3%
1979	Below Norm	10%	12%	19%	-30%	-7%	-4%	0%	0%	0%	0%	0%	0%
1980	Above Norm	1%	1%	1%	3%	0%	0%	1%	1%	1%	1%	1%	1%
1981	Dry	1%	1%	1%	1%	0%	0%	1%	1%	1%	1%	1%	1%
1982	Wet	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	0%	-5%	-3%	-3%	-4%	-4%
1986	Wet	-5%	-5%	-5%	-1%	23%	0%	3%	4%	4%	4%	4%	4%
1987	Dry	5%	5%	5%	7%	4%	5%	1%	1%	1%	1%	1%	1%
1988	Critical	1%	1%	1%	-1%	-8%	0%	-1%	-2%	-2%	-2%	-2%	-2%
1989	Dry	-8%	0%	0%	0%	0%	-22%	1%	1%	1%	1%	2%	2%
1990	Critical	3%	3%	6%	-4%	-2%	0%	0%	0%	0%	0%	0%	0%
1991	Critical	2%	0%	0%	0%	0%	-7%	3%	3%	4%	4%	4%	4%
1992	Critical	23%	0%	0%	0%	0%	-78%	42%	-2%	-2%	-2%	-8%	-8%
1993	Above Norm	-21%	-32%	-96%	-6%	0%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	2%	3%	4%	8%	1%	-3%	-10%	-8%	-5%
1995	Wet	8%	12%	55%	48%	0%	0%	3%	17%	4%	14%	10%	5%
1996	Wet	3%	1%	-33%	10%	13%	0%	-2%	4%	1%	1%	1%	1%
1997	Wet	1%	1%	1%	0%	0%	0%	4%	4%	4%	4%	4%	4%
1998	Wet	5%	6%	6%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norm	0%	0%	0%	33%	0%	0%	5%	10%	8%	6%	1%	-2%
2001	Dry	-2%	-2%	-2%	0%	-3%	0%	2%	2%	2%	2%	2%	2%
2002	Dry	2%	2%	3%	1%	11%	0%	4%	4%	4%	3%	3%	3%
2003	Above Norm	5%	6%	9%	18%	1%	16%	-5%	-2%	-2%	-1%	-1%	0%
Average		1%	1%	60%	5%	2%	0%	1%	1%	0%	0%	0%	0%
Wet		2%	2%	5%	5%	2%	0%	0%	1%	1%	1%	1%	0%
Above Norm		-1%	-2%	-3%	16%	-2%	2%	2%	2%	1%	1%	0%	0%
Below Norm		1%	1%	2%	1%	2%	-3%	-1%	0%	0%	-1%	0%	0%
Dry		2%	6%	262%	5%	-1%	6%	3%	1%	0%	-1%	0%	1%
Critical		0%	-4%	3%	2%	11%	-5%	0%	-1%	-2%	-2%	-3%	-3%

Difference in Energy generated (GWh) at DCanyon: CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	8	3	0	-1	-1	-1	-1	-1	-1	0
1923	Below Norma	-1	-1	-1	0	0	0	0	0	-1	0	0	16	1
1924	Critical	7	4	4	2	2	1	1	2	2	1	1	1	2
1925	Dry	1	1	0	0	1	3	-4	-5	-6	-1	2	2	-1
1926	Dry	5	8	5	0	-19	30	-1	-3	-3	-3	-3	-3	1
1927	Wet	-3	-3	-3	1	-4	0	0	0	0	0	0	0	-1
1928	Above Norma	0	0	0	10	-1	0	23	5	-5	-5	-5	-5	1
1929	Critical	-5	-5	-5	1	1	0	0	0	0	0	0	0	-1
1930	Dry	0	0	0	0	0	-1	15	3	-2	6	-4	-5	1
1931	Critical	7	6	17	23	20	7	-5	-8	-8	-6	-6	-6	4
1932	Dry	-3	-2	-2	0	-2	-2	2	3	3	0	-3	-3	-1
1933	Critical	-4	-6	-4	0	-1	-1	3	4	5	2	-1	-1	0
1934	Critical	-3	-5	-3	0	0	0	0	-1	-1	0	-1	-1	-1
1935	Below Norma	0	0	0	0	0	0	7	0	0	0	0	0	1
1936	Below Norma	0	2	-1	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	1	-8	0	0	0	36	-4	-4	-4	-4	-3	-3	1
1938	Wet	-4	-4	-4	0	0	0	0	0	0	0	0	0	-1
1939	Dry	0	0	0	0	0	2	1	1	1	1	1	1	1
1940	Above Norma	1	1	1	-1	-1	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	5	-2	-2	1	2	-2	0	0	0	0
1942	Wet	-8	-2	-2	-1	0	1	0	0	0	0	0	0	-1
1943	Wet	0	0	0	-1	0	0	1	1	1	1	1	1	1
1944	Dry	1	1	1	1	27	1	-5	-5	-5	-5	-5	-5	0
1945	Below Norma	-5	-5	-5	-1	-1	-4	1	2	2	2	2	2	-1
1946	Below Norma	1	1	1	-1	0	0	0	0	2	1	0	0	0
1947	Dry	0	0	0	0	0	0	7	7	7	7	7	7	3
1948	Below Norma	7	7	7	1	1	0	-2	-3	-3	-3	-3	-3	1
1949	Dry	-3	-2	-2	-2	-2	-1	-3	-5	-5	-5	-6	-6	-3
1950	Below Norma	-4	-4	-3	0	0	16	3	3	3	3	3	3	2
1951	Above Norma	3	2	2	-1	0	-2	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	1	-1	0	0	-1	0	-5	-1	-1
1955	Dry	-1	0	0	-1	0	1	-5	-1	-1	1	4	4	0
1956	Wet	6	8	5	0	0	0	0	0	0	0	0	0	2
1957	Above Norma	0	0	0	0	0	0	5	6	3	3	3	3	2
1958	Wet	2	2	2	-1	-5	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	1	0	1	1	1	1	1	1	1
1960	Dry	1	1	1	1	1	0	23	3	-3	8	-8	-10	2
1961	Dry	10	9	26	29	26	-27	6	2	0	3	-1	-1	7
1962	Below Norma	3	3	7	8	7	-75	-4	-4	-2	-3	-2	-2	-5
1963	Wet	-7	-7	-4	2	-2	4	0	0	2	-6	-4	-1	-2
1964	Dry	-1	-1	-1	45	0	7	25	-14	-60	5	-1	-2	0
1965	Wet	5	5	12	0	-2	2	3	3	3	3	3	3	3
1966	Below Norma	3	3	3	0	0	-2	1	1	1	1	1	1	1
1967	Wet	1	1	1	27	-2	-8	-2	-2	-2	-2	-2	-2	0
1968	Below Norma	-2	-2	0	0	0	0	1	1	1	1	1	1	0
1969	Wet	1	1	1	24	-2	-2	-1	0	-2	-2	-2	-2	1
1970	Wet	-2	-2	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	6	0	0
1972	Below Norma	-3	-2	-1	28	0	0	17	-3	-7	0	-9	-10	1
1973	Above Norma	2	1	10	13	11	-2	0	0	0	0	0	0	3
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	-9	0	0	0	0	0	0	0	-1
1976	Critical	0	0	0	-1	0	-28	-23	8	8	8	8	8	-1
1977	Critical	8	7	8	5	4	1	-5	-7	-8	-6	-6	-6	0
1978	Above Norma	-3	-2	-2	89	-12	0	0	0	-4	0	0	0	5
1979	Below Norma	0	-1	0	-14	-5	-6	1	1	1	1	1	1	-2
1980	Above Norma	1	1	1	-1	0	0	-2	1	1	1	1	1	0
1981	Dry	1	1	1	0	0	-7	1	1	1	1	1	1	0
1982	Wet	1	1	1	-1	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	-1	-6	-4	10	-5	-5	-1
1986	Wet	-5	-5	-5	-2	-2	7	4	4	4	4	4	4	1
1987	Dry	4	4	4	3	-3	12	1	1	1	1	1	1	2
1988	Critical	1	1	1	1	2	0	-1	-2	-2	-1	-1	-1	0
1989	Dry	-1	0	0	0	-1	0	0	0	-1	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	2	3	3	2	2	2	1
1992	Critical	1	1	1	0	0	0	2	3	3	0	-2	-2	1
1993	Above Norma	-3	-5	-3	0	1	0	0	0	0	0	0	0	-1
1994	Critical	0	0	0	3	0	5	15	2	-3	4	-5	-6	1
1995	Wet	7	7	17	25	0	-3	5	4	0	3	2	2	6
1996	Wet	4	0	-2	-8	-12	0	1	1	1	1	1	1	-1
1997	Wet	1	1	1	0	0	0	4	4	4	4	4	4	2
1998	Wet	4	4	4	0	0	-1	0	0	0	0	0	0	1
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	38	-1	0	5	4	-3	3	1	-3	4
2001	Dry	-3	-3	-3	0	1	0	1	2	2	1	2	2	0
2002	Dry	1	1	1	0	9	0	6	4	4	5	3	3	3
2003	Above Norma	5	4	6	22	-1	21	-7	-1	-11	5	4	0	4
Average		0	0	1	5	0	0	1	0	-1	1	0	0	1
Wet		0	0	1	3	-2	0	1	1	0	0	0	0	0
Above Norma		0	0	1	15	0	1	2	1	-2	0	0	0	2
Below Norma		0	-1	0	1	0	-2	1	0	0	0	-1	1	0
Dry		1	1	2	4	2	1	4	-1	-4	2	-1	-1	1
Critical		1	0	1	3	2	-1	-1	0	0	0	-1	-1	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy generated (GWh) at DCanyon: CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	420%	4%	0%	-1%	-1%	0%	-1%	-1%	-1%
1923	Below Norma	-1%	-1%	-1%	0%	0%	0%	0%	0%	-1%	0%	0%	14%
1924	Critical	6%	3%	3%	2%	2%	3%	4%	4%	4%	4%	4%	4%
1925	Dry	4%	4%	4%	4%	2%	25%	-6%	-6%	-6%	-2%	2%	3%
1926	Dry	9%	16%	13%	6%	-21%	42%	-1%	-2%	-2%	-2%	-2%	-2%
1927	Wet	-2%	-2%	-2%	1%	-4%	0%	0%	0%	0%	0%	0%	0%
1928	Above Norma	0%	0%	0%	10%	-1%	0%	21%	5%	-5%	-5%	-5%	-5%
1929	Critical	-5%	-5%	-5%	1%	1%	1%	0%	0%	0%	0%	0%	0%
1930	Dry	0%	0%	0%	1%	2%	-1%	22%	3%	-2%	6%	-3%	-4%
1931	Critical	8%	7%	27%	174%	133%	84%	-8%	-8%	-8%	-8%	-8%	-8%
1932	Dry	-8%	-8%	-8%	-7%	-2%	-14%	4%	3%	3%	0%	-3%	-3%
1933	Critical	-7%	-12%	-10%	-4%	-4%	-1%	7%	6%	5%	2%	-1%	-1%
1934	Critical	-5%	-8%	-7%	-4%	-2%	-3%	-1%	-1%	-1%	-1%	-1%	-1%
1935	Below Norma	-1%	-1%	-1%	0%	0%	0%	7%	0%	0%	0%	0%	0%
1936	Below Norma	0%	3%	-2%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1937	Below Norma	1%	-6%	0%	1%	0%	43%	-3%	-3%	-3%	-3%	-2%	-2%
1938	Wet	-3%	-3%	-3%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%	1%
1940	Above Norma	1%	1%	1%	-2%	-2%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	5%	-2%	-2%	1%	1%	-2%	0%	0%	0%
1942	Wet	-6%	-2%	-2%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%
1944	Dry	1%	1%	1%	1%	32%	1%	-4%	-4%	-4%	-4%	-4%	-4%
1945	Below Norma	-4%	-4%	-4%	-2%	-1%	-3%	0%	1%	1%	1%	1%	1%
1946	Below Norma	1%	1%	1%	-1%	0%	0%	0%	2%	1%	0%	0%	0%
1947	Dry	0%	0%	0%	0%	1%	-1%	6%	6%	6%	6%	6%	6%
1948	Below Norma	6%	6%	6%	3%	3%	2%	-3%	-2%	-2%	-2%	-2%	-2%
1949	Dry	-2%	-2%	-2%	-2%	-2%	-3%	-6%	-6%	-6%	-6%	-6%	-6%
1950	Below Norma	-6%	-6%	-6%	-5%	0%	66%	2%	2%	2%	2%	2%	2%
1951	Above Norma	2%	2%	2%	-1%	0%	-2%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Norma	0%	0%	0%	0%	1%	-1%	0%	0%	0%	-4%	0%	0%
1955	Dry	0%	0%	0%	-1%	0%	4%	-9%	-2%	-2%	1%	4%	4%
1956	Wet	9%	13%	11%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norma	0%	0%	0%	0%	0%	0%	4%	6%	3%	3%	3%	3%
1958	Wet	3%	3%	3%	0%	-4%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	0%	0%	1%	0%	1%	1%	1%	1%	1%	1%
1960	Dry	1%	1%	1%	1%	1%	0%	27%	3%	-3%	8%	-7%	-8%
1961	Dry	10%	10%	33%	95%	81%	-47%	8%	2%	0%	3%	-1%	-1%
1962	Below Norma	3%	3%	9%	30%	26%	-70%	-3%	-3%	-1%	-2%	-2%	-1%
1963	Wet	-5%	-5%	-3%	1%	-2%	3%	0%	1%	-4%	-3%	-1%	-1%
1964	Dry	-1%	-1%	-1%	62%	0%	6%	-30%	-15%	-62%	5%	-1%	-2%
1965	Wet	6%	6%	15%	0%	-1%	2%	3%	3%	3%	3%	3%	3%
1966	Below Norma	3%	3%	3%	0%	0%	-1%	1%	1%	1%	1%	1%	1%
1967	Wet	1%	1%	1%	31%	-2%	-6%	-2%	-2%	-2%	-2%	-2%	-2%
1968	Below Norma	-2%	-2%	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%
1969	Wet	1%	1%	1%	30%	-1%	-1%	-1%	0%	-1%	-1%	-1%	-1%
1970	Wet	-1%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	5%	0%
1972	Below Norma	-2%	-2%	-1%	32%	0%	0%	25%	-3%	-7%	-1%	-9%	-10%
1973	Above Norma	2%	1%	17%	14%	10%	-2%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	-8%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	-1%	0%	-21%	-20%	9%	9%	9%	9%	9%
1977	Critical	9%	9%	9%	8%	7%	5%	-22%	-22%	-21%	-21%	-21%	-22%
1978	Above Norma	-21%	-22%	-22%	3381%	-13%	0%	0%	0%	-3%	0%	0%	0%
1979	Below Norma	0%	0%	0%	-32%	-4%	-5%	0%	0%	0%	0%	0%	0%
1980	Above Norma	0%	0%	0%	0%	0%	0%	-2%	1%	1%	1%	1%	1%
1981	Dry	1%	1%	1%	0%	0%	-5%	1%	1%	1%	1%	1%	1%
1982	Wet	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	0%	-5%	-3%	11%	-5%	-4%
1986	Wet	-4%	-4%	-4%	-2%	-2%	5%	4%	4%	4%	4%	4%	4%
1987	Dry	4%	4%	4%	3%	-3%	11%	1%	1%	1%	1%	1%	1%
1988	Critical	1%	1%	1%	1%	3%	0%	-2%	-2%	-2%	-2%	-2%	-2%
1989	Dry	-2%	-2%	-1%	-2%	-11%	-6%	0%	0%	-1%	0%	0%	0%
1990	Critical	0%	0%	0%	-7%	-1%	1%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	0%	0%	-3%	-5%	4%	4%	4%	4%	4%	4%
1992	Critical	4%	4%	4%	3%	2%	0%	4%	3%	3%	1%	-2%	-2%
1993	Above Norma	-5%	-9%	-8%	-3%	1%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	3%	0%	4%	22%	2%	-3%	5%	-6%	-7%
1995	Wet	9%	9%	28%	70%	0%	-2%	4%	3%	0%	2%	2%	1%
1996	Wet	3%	0%	-2%	-7%	-9%	0%	1%	1%	1%	1%	1%	1%
1997	Wet	1%	1%	1%	0%	0%	0%	5%	5%	5%	4%	5%	5%
1998	Wet	5%	5%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norma	0%	0%	0%	54%	-1%	0%	4%	3%	-2%	2%	1%	-2%
2001	Dry	-2%	-2%	-2%	0%	1%	0%	2%	2%	2%	2%	2%	2%
2002	Dry	2%	2%	2%	1%	11%	0%	6%	4%	4%	5%	3%	3%
2003	Above Norma	5%	5%	7%	22%	-1%	20%	-6%	-1%	-9%	16%	59%	0%
Average		0%	0%	1%	53%	3%	2%	2%	0%	-1%	1%	0%	0%
Wet		1%	1%	2%	5%	-1%	0%	1%	1%	0%	0%	1%	0%
Above Norma		-1%	-2%	0%	324%	0%	1%	2%	1%	-1%	1%	5%	0%
Below Norma		0%	0%	0%	2%	2%	2%	2%	0%	0%	0%	-1%	0%
Dry		1%	1%	2%	9%	5%	1%	4%	-1%	-4%	2%	-1%	-1%
Critical		1%	0%	2%	15%	11%	6%	-1%	0%	-1%	-1%	-2%	-2%

Difference in Energy generated (GWh) at Mojave Dam : CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	1	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	0	0	0	0	1	0
1924	Critical	1	0	0	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	1	0	0	-2	3	0	0	0	0	0	0	0
1927	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	1	0	0	2	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	0	0	0	1	0	0	0	0	0	0
1931	Critical	1	1	1	2	2	1	0	-1	-1	-1	0	0	0
1932	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1935	Below Norma	0	0	0	0	0	0	1	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	-1	0	0	0	3	0	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1940	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	-1	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	2	0	0	0	0	0	0	0	0
1945	Below Norma	0	0	0	0	0	-1	0	0	0	0	0	0	0
1946	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1947	Dry	0	0	0	0	0	0	1	1	1	1	1	1	0
1948	Below Norma	1	1	1	0	0	0	0	0	0	0	0	0	0
1949	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Norma	0	0	0	0	0	1	0	0	0	0	0	0	0
1951	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1956	Wet	0	1	0	0	0	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	1	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	2	0	0	1	-1	-1	0
1961	Dry	1	1	2	3	2	-2	1	0	0	0	0	0	1
1962	Below Norma	0	0	1	1	1	-6	-1	0	0	0	0	0	0
1963	Wet	-1	-1	0	0	0	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	4	0	1	2	-1	-5	0	0	0	0
1965	Wet	0	0	1	0	0	0	0	0	0	0	0	0	0
1966	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	2	0	-1	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	2	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	2	0	0	1	0	-1	0	-1	-1	0
1973	Above Norma	0	0	1	1	1	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	-1	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	-2	-2	1	1	1	1	1	0
1977	Critical	1	1	1	0	0	0	0	-1	-1	0	0	0	0
1978	Above Norma	0	0	0	8	-1	0	0	0	0	0	0	0	0
1979	Below Norma	0	0	0	-1	0	0	0	0	0	0	0	0	0
1980	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	-1	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	-1	0	1	0	0	0
1986	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	Dry	0	0	0	0	0	1	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	1	0	0	0	0	-1	0
1995	Wet	1	1	1	2	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	-1	-1	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	3	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	1	0	0	0	0	0	0	0	0
2003	Above Norma	0	0	1	2	0	2	-1	0	-1	0	0	0	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norma		0	0	0	1	0	0	0	0	0	0	0	0	0
Below Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Dry		0	0	0	0	0	0	0	0	0	0	0	0	0
Critical		0	0	0	0	0	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
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Percent Difference in Energy generated (GWh) at Mojave Dam : CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	373%	4%	0%	-1%	-1%	0%	-1%	-1%	-1%
1923	Below Norma	-1%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	14%
1924	Critical	6%	3%	3%	2%	2%	3%	4%	4%	4%	4%	4%	4%
1925	Dry	4%	4%	4%	3%	2%	30%	-6%	-6%	-6%	-2%	2%	3%
1926	Dry	9%	16%	13%	6%	-21%	43%	-1%	-2%	-2%	-2%	-2%	-2%
1927	Wet	-2%	-2%	-2%	1%	-4%	0%	0%	0%	0%	0%	0%	0%
1928	Above Norma	0%	0%	0%	10%	-1%	0%	20%	5%	-5%	-5%	-5%	-5%
1929	Critical	-5%	-5%	-5%	1%	1%	1%	0%	0%	0%	0%	0%	0%
1930	Dry	0%	0%	0%	1%	1%	-1%	22%	3%	-2%	6%	-3%	-4%
1931	Critical	8%	7%	27%	171%	131%	81%	-8%	-8%	-8%	-8%	-8%	-8%
1932	Dry	-8%	-9%	-8%	-7%	-2%	-13%	4%	3%	3%	0%	-3%	-3%
1933	Critical	-7%	-12%	-10%	-4%	-4%	-1%	7%	5%	5%	2%	-1%	-1%
1934	Critical	-5%	-9%	-7%	-4%	-2%	-3%	-1%	-1%	-1%	-1%	-1%	-1%
1935	Below Norma	-1%	-1%	-1%	0%	0%	0%	7%	0%	0%	0%	0%	0%
1936	Below Norma	0%	3%	-2%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1937	Below Norma	1%	-6%	0%	1%	0%	41%	-3%	-3%	-3%	-3%	-2%	-2%
1938	Wet	-3%	-3%	-3%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%	1%
1940	Above Norma	1%	1%	1%	-2%	-2%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	5%	-2%	-2%	1%	1%	-2%	0%	0%	0%
1942	Wet	-6%	-2%	-2%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%
1944	Dry	1%	1%	1%	1%	32%	1%	-4%	-4%	-4%	-4%	-4%	-4%
1945	Below Norma	-4%	-4%	-4%	-2%	2%	-5%	0%	1%	1%	1%	1%	1%
1946	Below Norma	1%	1%	1%	-1%	0%	0%	0%	2%	1%	0%	0%	0%
1947	Dry	0%	0%	0%	0%	1%	-1%	6%	6%	6%	6%	6%	6%
1948	Below Norma	6%	6%	6%	3%	3%	1%	-3%	-2%	-2%	-2%	-2%	-2%
1949	Dry	-2%	-2%	-2%	-2%	-2%	-3%	-5%	-6%	-6%	-6%	-6%	-6%
1950	Below Norma	-6%	-6%	-6%	-5%	0%	60%	2%	2%	2%	2%	2%	2%
1951	Above Norma	2%	2%	2%	0%	0%	-2%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Norma	0%	0%	0%	0%	1%	-1%	0%	0%	0%	-4%	0%	0%
1955	Dry	0%	0%	0%	-1%	0%	4%	-9%	-2%	-2%	1%	4%	4%
1956	Wet	9%	13%	11%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norma	0%	0%	0%	0%	0%	0%	3%	6%	3%	3%	3%	3%
1958	Wet	3%	3%	3%	0%	-4%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	0%	0%	-1%	2%	1%	1%	1%	1%	1%	1%
1960	Dry	1%	1%	1%	1%	1%	0%	27%	3%	-3%	7%	-7%	-8%
1961	Dry	10%	10%	33%	94%	68%	-43%	8%	2%	0%	3%	-1%	-1%
1962	Below Norma	3%	3%	9%	29%	25%	-67%	-5%	-3%	-1%	-2%	-2%	-1%
1963	Wet	-5%	-5%	-3%	1%	-2%	3%	0%	1%	-4%	-3%	-1%	-1%
1964	Dry	-1%	-1%	-1%	62%	0%	6%	-29%	-14%	-62%	5%	-2%	-2%
1965	Wet	6%	6%	15%	0%	-1%	2%	3%	3%	3%	3%	3%	3%
1966	Below Norma	3%	3%	3%	0%	0%	-1%	1%	1%	1%	1%	1%	1%
1967	Wet	1%	1%	1%	31%	-2%	-6%	-2%	-2%	-2%	-2%	-2%	-2%
1968	Below Norma	-2%	-2%	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%
1969	Wet	1%	1%	1%	30%	-1%	-1%	-1%	0%	-1%	-1%	-1%	-1%
1970	Wet	-1%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1972	Below Norma	-2%	-2%	-1%	32%	0%	0%	24%	-3%	-7%	-1%	-8%	-10%
1973	Above Norma	2%	1%	17%	13%	8%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	-8%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	-1%	0%	-19%	-21%	9%	9%	9%	9%	9%
1977	Critical	9%	9%	9%	7%	7%	5%	-20%	-22%	-21%	-21%	-21%	-21%
1978	Above Norma	-22%	-24%	-22%	1778%	-13%	0%	0%	0%	-3%	0%	0%	0%
1979	Below Norma	0%	0%	0%	-32%	-4%	-5%	0%	0%	0%	0%	0%	0%
1980	Above Norma	0%	0%	0%	0%	0%	0%	-2%	1%	1%	1%	1%	1%
1981	Dry	1%	1%	1%	0%	0%	-5%	1%	1%	1%	1%	1%	1%
1982	Wet	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	0%	-5%	-3%	11%	-5%	-4%
1986	Wet	-4%	-4%	-4%	-2%	1%	4%	4%	4%	4%	4%	4%	4%
1987	Dry	4%	4%	4%	3%	-3%	11%	1%	1%	1%	1%	1%	1%
1988	Critical	1%	1%	1%	1%	3%	0%	-2%	-2%	-2%	-2%	-2%	-2%
1989	Dry	-2%	-2%	-1%	-2%	-11%	0%	0%	0%	-1%	0%	0%	0%
1990	Critical	0%	0%	0%	-7%	-1%	1%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	0%	0%	-3%	0%	4%	4%	4%	4%	4%	4%
1992	Critical	4%	4%	4%	3%	2%	-25%	7%	3%	3%	1%	-2%	-2%
1993	Above Norma	-5%	-9%	-8%	-3%	1%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	3%	0%	4%	21%	2%	-3%	5%	-5%	-7%
1995	Wet	9%	9%	28%	70%	0%	-2%	3%	3%	0%	2%	2%	1%
1996	Wet	3%	0%	-3%	-5%	-9%	0%	1%	1%	1%	1%	1%	1%
1997	Wet	1%	1%	1%	0%	0%	0%	4%	4%	4%	4%	4%	4%
1998	Wet	5%	5%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norma	0%	0%	0%	54%	-1%	0%	4%	3%	-2%	2%	1%	-2%
2001	Dry	-2%	-2%	-2%	0%	1%	0%	2%	2%	2%	2%	2%	2%
2002	Dry	2%	2%	2%	1%	11%	0%	6%	4%	4%	4%	3%	3%
2003	Above Norma	5%	5%	7%	22%	-1%	20%	-6%	-1%	-9%	15%	48%	0%
Average		0%	0%	1%	33%	2%	1%	2%	0%	-1%	1%	0%	0%
Wet		1%	1%	2%	5%	-1%	0%	1%	1%	0%	0%	1%	0%
Above Norma		-1%	-2%	0%	187%	0%	1%	2%	1%	-1%	1%	4%	0%
Below Norma		0%	0%	0%	2%	2%	2%	2%	0%	0%	0%	-1%	0%
Dry		1%	1%	2%	9%	4%	1%	4%	-1%	-4%	2%	-1%	-1%
Critical		1%	0%	2%	14%	11%	4%	-1%	0%	-1%	-1%	-2%	-2%

Difference in Energy generated (GWh) at Oroville Dam: CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norm	0	0	0	0	0	0	0	0	0	-4	0	0	0
1923	Below Norm	-3	34	-34	0	57	-11	-36	-13	24	-3	-4	8	2
1924	Critical	16	-1	14	-1	-14	-1	0	-12	-35	17	0	-37	-5
1925	Dry	-16	1	1	1	1	1	1	1	2	2	2	39	3
1926	Dry	0	0	0	0	0	0	4	3	6	7	2	-6	1
1927	Wet	-8	0	0	0	-5	0	0	0	0	-138	2	-57	-17
1928	Above Norm	6	2	3	2	33	9	0	8	-18	-17	-3	25	4
1929	Critical	12	0	0	0	0	0	0	1	0	-13	0	1	0
1930	Dry	0	0	0	0	0	0	0	0	13	70	-24	-6	5
1931	Critical	12	-2	29	-1	-17	-1	-3	-3	-45	-15	-4	-1	-4
1932	Dry	-1	-1	-2	0	0	-1	-1	-1	-1	-1	-1	-1	-1
1933	Critical	-1	-1	0	0	0	-1	-1	-1	-1	-1	-1	-12	-2
1934	Critical	-2	-6	0	0	0	0	0	0	0	0	-3	4	-1
1935	Below Norm	0	0	0	0	0	0	0	0	-1	-2	1	0	0
1936	Below Norm	0	0	-1	0	0	0	0	1	0	1	1	0	0
1937	Below Norm	0	0	0	0	0	0	0	0	-7	-6	-5	0	-1
1938	Wet	1	0	16	0	0	0	0	0	0	0	0	0	1
1939	Dry	0	0	0	0	0	0	0	-1	16	-4	8	10	2
1940	Above Norm	0	-1	4	-1	0	-28	0	1	0	0	0	0	-2
1941	Wet	0	0	0	0	0	0	0	0	5	5	0	0	1
1942	Wet	-10	0	0	0	0	0	0	0	0	0	0	0	-1
1943	Wet	0	0	0	0	0	0	0	2	0	4	3	0	1
1944	Dry	3	0	5	0	-2	-16	-1	0	-6	2	-5	13	-1
1945	Below Norm	0	0	0	0	0	0	0	0	-1	0	0	-26	-2
1946	Below Norm	5	0	0	15	3	0	0	0	2	13	17	2	5
1947	Dry	-3	-24	0	-11	0	0	0	0	30	20	8	6	2
1948	Below Norm	7	-3	-2	-1	-2	-1	-1	-2	-2	-39	-2	-13	-5
1949	Dry	-17	-1	-1	-1	-4	-1	-1	-1	-2	-28	-9	-4	-6
1950	Below Norm	0	-11	-7	0	0	0	0	1	6	19	-6	5	1
1951	Above Norm	12	-8	0	0	0	0	0	0	1	-1	10	19	3
1952	Wet	-2	-1	0	-31	0	0	0	0	0	0	0	0	-3
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norm	0	0	0	0	0	0	0	0	0	3	-2	-16	-1
1955	Dry	1	0	0	0	6	0	0	0	1	1	-14	1	0
1956	Wet	1	1	27	0	0	0	0	0	0	0	0	0	2
1957	Above Norm	0	0	0	0	0	0	1	0	4	26	-14	39	5
1958	Wet	-1	-1	-1	-52	0	0	0	0	0	0	0	0	-5
1959	Below Norm	0	0	0	0	0	0	-1	0	-11	21	3	0	1
1960	Dry	3	-1	-2	0	0	0	3	0	2	2	-7	7	1
1961	Dry	21	-1	-1	-1	-1	-1	-2	-1	-2	-2	100	19	11
1962	Below Norm	-25	0	-2	-3	-2	-2	-5	-5	-117	-15	-59	33	-17
1963	Wet	-2	-1	-1	-1	-120	0	0	0	-4	-33	-24	0	-16
1964	Dry	-1	1	1	1	1	1	23	-1	14	5	28	-27	4
1965	Wet	15	1	22	0	0	0	0	7	8	-16	-3	0	3
1966	Below Norm	4	0	0	0	0	0	0	0	-1	4	-34	27	0
1967	Wet	0	0	0	4	0	0	0	0	0	0	0	0	0
1968	Below Norm	0	0	0	0	0	0	1	0	3	11	-2	-1	1
1969	Wet	8	0	0	-25	0	0	0	0	0	0	0	0	-1
1970	Wet	0	0	0	0	0	0	1	0	4	0	0	0	0
1971	Wet	0	0	0	0	0	-6	0	0	0	0	0	0	0
1972	Below Norm	0	0	0	0	0	0	0	0	-16	6	38	0	2
1973	Above Norm	0	0	0	-31	0	0	0	0	1	-34	37	0	-2
1974	Wet	0	-5	0	0	-4	0	0	0	0	1	0	-1	-1
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	-1	-34	38	13	-21	0
1977	Critical	2	0	37	-1	28	-1	-5	-2	-7	-6	52	-19	7
1978	Above Norm	-28	-9	-5	-2	-2	-1	-118	-2	-24	20	14	-1	-13
1979	Below Norm	-3	-1	-2	-78	-25	0	0	0	3	3	-6	-13	-10
1980	Above Norm	1	0	0	14	0	0	0	0	0	0	0	0	1
1981	Dry	0	0	0	0	0	0	0	0	5	-34	-1	44	1
1982	Wet	1	0	-10	0	0	0	0	0	0	-2	0	0	-1
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	-1	-11	-1
1985	Dry	50	-1	0	0	0	-8	1	-2	-41	2	0	-1	0
1986	Wet	0	0	0	0	0	0	0	0	0	13	0	0	1
1987	Dry	0	-8	-4	-1	0	0	3	0	34	15	-4	-1	3
1988	Critical	-8	-2	-1	-1	-1	-1	-1	-1	-2	-18	-3	-1	-3
1989	Dry	-1	0	0	0	0	-35	0	-1	-17	12	-1	18	-2
1990	Critical	-1	0	-9	0	0	0	0	0	0	1	0	0	-1
1991	Critical	0	0	0	0	0	0	0	0	0	0	-1	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	-1	10	-1	1
1993	Above Norm	-6	-7	0	0	0	-4	0	0	0	8	7	0	0
1994	Critical	1	0	0	-5	-12	0	0	0	60	-19	-113	25	-5
1995	Wet	-8	-14	1	1	99	0	0	0	0	0	0	0	7
1996	Wet	0	0	0	0	0	0	0	0	6	2	0	0	1
1997	Wet	4	-14	0	0	0	0	0	0	13	12	0	0	1
1998	Wet	22	0	-1	-52	0	0	0	0	0	0	0	0	-3
1999	Wet	0	0	0	0	0	0	0	0	0	2	0	0	0
2000	Above Norm	0	-2	0	0	0	0	0	0	0	6	0	10	1
2001	Dry	-1	0	-9	0	0	0	0	0	0	0	-27	37	0
2002	Dry	-1	0	0	0	0	0	0	0	9	20	-31	29	2
2003	Above Norm	-4	-1	-1	-1	13	-60	0	-23	31	-2	-2	-3	-4
Average		1	-1	1	-3	0	-2	-2	-1	-1	-1	-1	2	-1
Wet		1	-1	2	-6	-1	0	0	0	1	-6	-1	-3	-1
Above Norm		-2	-2	0	-2	4	-7	-10	-1	0	0	4	6	-1
Below Norm		-1	1	-3	-5	2	-1	-3	-1	-8	1	-4	2	-2
Dry		2	-2	-1	-1	0	-3	2	0	4	5	1	10	1
Critical		3	-1	6	-1	-1	0	-1	-2	-5	-1	-4	-5	-1

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy generated (GWh) at Oroville Dam: CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	0%	0%
1923	Below Norma	2%	39%	-11%	0%	117%	-8%	-29%	-8%	12%	-1%	-1%	7%
1924	Critical	14%	-2%	14%	-3%	-24%	-1%	0%	-10%	-20%	12%	0%	-38%
1925	Dry	-43%	3%	3%	3%	3%	2%	2%	1%	1%	2%	2%	56%
1926	Dry	0%	0%	0%	0%	0%	1%	5%	1%	2%	3%	1%	-4%
1927	Wet	-6%	0%	0%	0%	-1%	0%	0%	0%	0%	-37%	1%	-31%
1928	Above Norma	4%	4%	4%	4%	24%	2%	0%	3%	-6%	-7%	-1%	18%
1929	Critical	13%	0%	0%	0%	0%	0%	0%	0%	0%	-8%	0%	1%
1930	Dry	0%	1%	0%	0%	0%	0%	0%	0%	5%	39%	-11%	-5%
1931	Critical	13%	-2%	40%	-4%	-45%	-3%	-2%	-3%	-19%	-7%	-2%	-2%
1932	Dry	-2%	-3%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-2%	-1%
1933	Critical	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-14%
1934	Critical	-3%	-13%	0%	0%	0%	0%	0%	0%	0%	0%	-2%	4%
1935	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	0%	0%
1936	Below Norma	0%	0%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1937	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	-2%	-2%	-2%	0%
1938	Wet	1%	1%	12%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	0%	0%	0%	0%	6%	-1%	3%	8%
1940	Above Norma	0%	-1%	15%	-3%	-2%	-5%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	0%	0%	0%	0%	0%	2%	2%	0%	0%
1942	Wet	-6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	1%	0%	1%	2%	0%
1944	Dry	2%	0%	5%	0%	-4%	-16%	-1%	0%	-2%	1%	-2%	7%
1945	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-18%
1946	Below Norma	5%	1%	0%	29%	3%	0%	0%	0%	1%	3%	5%	1%
1947	Dry	-2%	-33%	0%	-18%	0%	0%	0%	0%	22%	6%	4%	5%
1948	Below Norma	10%	-5%	-5%	-5%	-6%	-5%	-3%	-2%	-2%	-10%	-1%	-13%
1949	Dry	-13%	-2%	-2%	-2%	-2%	-2%	-1%	-1%	-10%	-7%	-3%	-3%
1950	Below Norma	0%	-17%	-23%	1%	1%	1%	1%	0%	3%	6%	-4%	6%
1951	Above Norma	16%	-3%	0%	0%	0%	0%	0%	0%	0%	0%	3%	10%
1952	Wet	-2%	-1%	-1%	-19%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	-1%	-9%
1955	Dry	1%	1%	1%	1%	9%	0%	0%	0%	1%	0%	-8%	1%
1956	Wet	1%	1%	13%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norma	0%	0%	0%	0%	0%	0%	1%	0%	1%	9%	-5%	51%
1958	Wet	-1%	-1%	-1%	-50%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	0%	0%	0%	0%	-1%	0%	-4%	6%	1%	0%
1960	Dry	3%	-1%	-1%	-1%	-1%	0%	3%	0%	1%	1%	-3%	5%
1961	Dry	23%	-2%	-3%	-3%	-3%	-2%	-1%	-1%	-1%	-1%	79%	14%
1962	Below Norma	-21%	1%	-12%	-12%	-10%	-9%	-5%	-5%	-30%	-4%	-21%	21%
1963	Wet	-6%	-5%	-3%	-2%	-2%	0%	0%	-1%	-1%	-8%	-10%	0%
1964	Dry	-1%	2%	1%	2%	1%	1%	10%	-1%	5%	1%	11%	-22%
1965	Wet	17%	2%	15%	0%	0%	0%	0%	2%	6%	-6%	-3%	0%
1966	Below Norma	3%	0%	0%	0%	0%	0%	0%	0%	0%	1%	-12%	22%
1967	Wet	0%	0%	0%	4%	0%	0%	0%	0%	0%	0%	0%	0%
1968	Below Norma	0%	0%	0%	0%	0%	0%	1%	0%	1%	3%	-1%	0%
1969	Wet	7%	-1%	-1%	-5%	0%	0%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	0%	0%	0%	2%	0%	0%	0%
1971	Wet	0%	0%	0%	0%	0%	-2%	0%	0%	0%	0%	0%	0%
1972	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	-6%	-2%	20%	0%
1973	Above Norma	0%	0%	-1%	-9%	0%	0%	0%	0%	0%	-11%	21%	0%
1974	Wet	0%	-2%	0%	0%	-2%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	0%	-1%	-16%	27%	8%	-16%
1977	Critical	2%	0%	23%	-2%	98%	-5%	-7%	-5%	-6%	-6%	68%	-48%
1978	Above Norma	-71%	-56%	-31%	-13%	-9%	-5%	-63%	-1%	-15%	9%	11%	-2%
1979	Below Norma	-2%	-2%	-2%	-65%	-7%	0%	0%	0%	1%	1%	-4%	-9%
1980	Above Norma	1%	0%	0%	3%	0%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	0%	0%	0%	0%	2%	-11%	-1%	29%
1982	Wet	1%	0%	-2%	0%	0%	0%	0%	0%	0%	-2%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-7%
1985	Dry	79%	-1%	-1%	-1%	-1%	-14%	1%	-1%	-11%	0%	0%	-1%
1986	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	7%	0%	0%
1987	Dry	0%	-13%	-7%	-2%	0%	0%	3%	0%	16%	8%	-2%	0%
1988	Critical	-6%	-3%	-3%	-2%	-2%	-2%	-2%	-1%	-2%	-11%	-2%	-2%
1989	Dry	-2%	-2%	-2%	-1%	-2%	-23%	0%	0%	-5%	4%	0%	27%
1990	Critical	-1%	-1%	-7%	0%	0%	0%	0%	0%	0%	1%	0%	0%
1991	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	0%
1992	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	9%	-1%
1993	Above Norma	-8%	-13%	0%	0%	0%	-2%	0%	0%	0%	3%	4%	0%
1994	Critical	1%	0%	0%	-11%	-7%	0%	0%	0%	28%	-5%	-49%	25%
1995	Wet	-8%	-26%	5%	3%	41%	0%	0%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	0%	0%	0%	0%	0%	0%	2%	1%	0%	0%
1997	Wet	3%	-10%	0%	0%	0%	0%	0%	0%	7%	5%	0%	0%
1998	Wet	19%	-1%	-1%	-9%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%
2000	Above Norma	0%	-1%	0%	0%	0%	0%	0%	0%	0%	1%	0%	6%
2001	Dry	-1%	-1%	-5%	0%	0%	0%	0%	0%	0%	0%	-16%	49%
2002	Dry	-1%	-1%	-1%	-1%	-1%	-1%	0%	0%	6%	7%	-15%	27%
2003	Above Norma	-3%	-2%	-3%	-2%	20%	-54%	0%	-8%	8%	-1%	-1%	-1%
Average		0%	-2%	0%	-2%	2%	-2%	-1%	-1%	0%	0%	1%	2%
Above Norma		1%	-2%	1%	-3%	1%	0%	0%	0%	1%	-1%	0%	-1%
Below Norma		-5%	-6%	-1%	-2%	3%	-5%	-5%	-1%	-1%	0%	3%	6%
Dry		0%	1%	-4%	-4%	7%	-1%	-3%	-1%	-2%	0%	-1%	1%
Critical		2%	-3%	-1%	-1%	0%	-3%	1%	0%	3%	3%	2%	11%
		3%	-2%	5%	-2%	2%	-1%	-1%	-2%	-3%	0%	2%	-8%

Difference in Energy generated (GWh) at SWP San Luis: CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	-1	-1	-1	1	0	0	0
1923	Below Norma	0	0	0	0	-3	0	0	4	4	-2	6	0	1
1924	Critical	0	-1	0	0	-19	3	5	8	9	-6	0	0	0
1925	Dry	0	0	0	0	0	1	0	0	0	1	1	0	0
1926	Dry	0	0	0	0	0	20	0	-2	-4	-5	-2	1	1
1927	Wet	0	0	0	0	0	0	0	0	-1	6	-4	0	0
1928	Above Norma	0	0	0	0	0	0	1	-2	-3	3	-1	0	0
1929	Critical	-5	0	0	0	0	0	0	1	1	-8	0	0	-1
1930	Dry	0	0	0	0	0	0	12	10	-7	-22	9	2	0
1931	Critical	-2	0	0	0	-8	0	0	1	9	3	0	-1	0
1932	Dry	0	0	0	0	0	0	0	0	-1	-2	-2	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	-1	-1	2	0
1934	Critical	0	0	0	0	0	0	0	0	0	1	-2	0	0
1935	Below Norma	0	0	0	0	0	0	0	0	1	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	2	-1	0	0
1937	Below Norma	0	-1	0	0	0	0	-3	1	1	1	-1	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	5	0	0	-5	1	0	0	0
1940	Above Norma	0	0	-1	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	-3	-3	15	0	1
1942	Wet	0	0	0	0	0	0	0	0	0	-2	-1	0	0
1943	Wet	0	0	0	0	0	0	0	1	-1	0	0	0	0
1944	Dry	0	0	0	0	0	2	-4	-5	-1	-3	-2	0	-1
1945	Below Norma	-2	0	0	0	0	-6	1	1	1	1	1	0	0
1946	Below Norma	0	0	0	0	-1	0	0	0	0	-1	0	0	0
1947	Dry	0	0	0	0	0	0	5	4	-2	-4	-1	0	0
1948	Below Norma	0	0	3	0	0	0	0	2	-15	14	1	0	0
1949	Dry	0	-1	0	0	0	0	-2	-3	-2	0	-1	0	-1
1950	Below Norma	0	0	0	0	0	0	3	2	3	-5	2	0	0
1951	Above Norma	0	0	0	0	0	0	0	2	3	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	2	0	0	-5	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	1	-1	-1	2	0	0
1955	Dry	0	0	0	0	-5	-2	-1	2	2	4	8	1	1
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	2	3	1	4	0	0	1
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	1	1	1	-1	-1	0	0	0
1960	Dry	0	-7	0	0	0	0	15	8	-2	-8	0	0	0
1961	Dry	-3	0	0	0	0	0	4	-1	-1	-3	0	0	0
1962	Below Norma	0	0	0	0	0	0	-9	0	18	3	0	0	1
1963	Wet	0	0	0	0	0	0	2	0	3	10	7	0	2
1964	Dry	0	0	0	0	-1	8	7	-6	-19	0	0	0	-1
1965	Wet	0	0	0	0	0	0	0	0	-23	10	2	0	-1
1966	Below Norma	0	0	0	0	0	0	0	0	0	0	0	-1	0
1967	Wet	0	0	0	0	0	0	0	-1	-1	-1	0	0	0
1968	Below Norma	0	0	0	0	0	0	1	1	0	-1	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	-1	-1	-1	0	0
1970	Wet	0	0	0	0	0	0	0	0	-2	9	-1	0	1
1971	Wet	0	0	0	0	0	0	0	0	0	2	0	0	0
1972	Below Norma	0	-1	0	0	0	0	10	2	0	-11	-2	0	0
1973	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	-10	0	-14	8	21	-6	5	2	0
1977	Critical	0	2	0	0	8	-1	-1	-3	-3	-2	0	0	0
1978	Above Norma	0	0	0	0	0	0	0	8	3	-8	-3	0	0
1979	Below Norma	2	0	2	0	0	0	0	-1	-4	3	1	0	0
1980	Above Norma	0	0	0	0	0	0	0	1	1	1	0	0	0
1981	Dry	0	0	0	0	0	0	1	1	0	-1	-1	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	1	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	12	-1	-3	-7	0	0	0	0
1986	Wet	0	0	0	0	0	0	0	0	5	-4	-5	0	0
1987	Dry	0	0	0	0	0	0	-2	0	-7	-6	1	0	-1
1988	Critical	2	0	0	0	0	0	0	-1	0	5	0	0	0
1989	Dry	0	0	0	0	0	0	0	3	4	0	1	-2	1
1990	Critical	0	3	3	0	0	0	0	0	-1	0	0	0	0
1991	Critical	0	0	0	0	0	0	1	1	1	0	5	0	1
1992	Critical	0	1	0	0	0	0	6	-1	-1	-4	-6	-1	0
1993	Above Norma	0	0	0	0	0	0	0	7	0	-3	-2	0	0
1994	Critical	0	0	0	0	0	2	9	3	-17	0	0	0	0
1995	Wet	0	2	0	0	0	0	0	5	1	4	1	0	1
1996	Wet	0	1	0	0	0	0	0	1	0	0	1	0	0
1997	Wet	-1	0	0	0	0	0	3	3	-2	-2	2	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	2	3	0	6	-1	0	1
2001	Dry	0	0	0	0	0	0	1	-8	1	1	7	0	0
2002	Dry	1	0	0	0	5	0	4	3	-3	-5	-1	0	0
2003	Above Norma	1	-10	0	0	2	0	-1	-1	-13	0	0	0	-2
Average		0	0	0	0	0	1	1	1	-1	-1	0	0	0
Wet		0	0	0	0	0	0	0	0	-1	1	1	0	0
Above Norma		0	-1	0	0	0	0	2	-1	0	-1	0	0	0
Below Norma		0	0	0	0	0	0	1	1	1	0	1	0	0
Dry		0	0	0	0	0	3	2	0	-3	-3	1	0	0
Critical		0	0	0	0	-2	0	0	1	2	-2	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy generated (GWh) at SWP San Luis: CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	-	-	-	-	-7%	-3%	-3%	2%	0%	-33%
1923	Below Norma	-100%	-	-	-	-100%	-2%	0%	7%	7%	-16%	98%	-
1924	Critical	-	-8%	-	-	-100%	27%	61%	92%	-	-85%	-	-
1925	Dry	-	-	-	-	-	51%	-	-	1%	2%	5%	-
1926	Dry	-	-	-	-	-	-	-	-3%	-9%	-8%	-11%	8%
1927	Wet	-	-	-	-	-	-	-1%	0%	-1%	18%	-11%	-
1928	Above Norma	-	-	-	-	-	-	3%	-4%	-6%	7%	-66%	-
1929	Critical	-100%	-	-	-	-	-	2%	2%	3%	-22%	-	-3%
1930	Dry	-	-	-	-	-	-	70%	22%	-13%	-37%	61%	154%
1931	Critical	-100%	-	-	-	-100%	-	0%	5%	1609%	44%	-	-19%
1932	Dry	-100%	-	-	-	-	-	0%	-4%	-1%	-3%	-8%	-100%
1933	Critical	-	-	-	-	-	-	3%	0%	0%	-2%	-4%	30%
1934	Critical	-	-	-	-	-	-	-1%	-1%	-1%	0%	14%	-62%
1935	Below Norma	-	-	-	-	-	-	-	0%	0%	1%	-1%	-6%
1936	Below Norma	-3%	2%	-	-	-	-	4%	0%	0%	0%	9%	-15%
1937	Below Norma	9%	-4%	-	-	-	-	-	-6%	2%	2%	5%	-17%
1938	Wet	-	-	-	-	-	-	-	-	-2%	0%	0%	-
1939	Dry	-	-	-	0%	-5%	386%	1%	1%	-10%	6%	-3%	-
1940	Above Norma	-	-4%	-100%	-	-	-	-2%	0%	0%	1%	1%	-1%
1941	Wet	-	-	-	-	-	-	-9%	-13%	-4%	-4%	47%	-
1942	Wet	-	-	-	-	-	-	-1%	0%	0%	-2%	-5%	-
1943	Wet	-	-	-	-	-	-	-	0%	1%	-1%	-1%	-
1944	Dry	-	-	-	-	-	29%	-8%	-8%	-3%	-41%	-44%	-
1945	Below Norma	-82%	-	-	-	-	-16%	2%	3%	4%	9%	10%	-
1946	Below Norma	-	-	-	-	-2%	-	0%	0%	0%	-9%	-63%	-
1947	Dry	-	-	-	-	-	-	9%	6%	-3%	-52%	-22%	-
1948	Below Norma	-	-	19%	-	3%	-	-	6%	-36%	198%	4%	-
1949	Dry	-	-13%	-	-	-	-	-19%	-7%	-4%	-	-2%	-
1950	Below Norma	0%	-	-	-	-	-	13%	4%	6%	-13%	7%	-
1951	Above Norma	-	-	-	-	-	-	0%	1%	3%	11%	5%	-
1952	Wet	-	-	-	-	-	-	-	-	0%	0%	0%	-
1953	Wet	-	-	-	0%	0%	-	0%	6%	0%	0%	-8%	-
1954	Above Norma	-	-	-	-	-	-	0%	0%	1%	-5%	-8%	542%
1955	Dry	-	-	-	-	-66%	-100%	-10%	11%	4%	8%	226%	-
1956	Wet	-	-	-	-	-	-	0%	0%	-1%	0%	1%	-
1957	Above Norma	-	-1%	-	-	-	-	3%	11%	7%	18%	-	-
1958	Wet	-	-	-	-	-	-	-	1%	0%	1%	0%	-
1959	Below Norma	-	-	-	0%	-	2%	2%	2%	-4%	-4%	-	10%
1960	Dry	-	-100%	-	-	-	-	28%	20%	-7%	-23%	-4%	-
1961	Dry	-100%	-	-	-	-	-	10%	-1%	-2%	-10%	0%	-100%
1962	Below Norma	-	-	-	-	-	-	-17%	0%	52%	31%	-3%	-
1963	Wet	-	-	-	-	-	-	9%	1%	7%	35%	28%	-
1964	Dry	-	-	-	-	-3%	20%	27%	-19%	-100%	-	-	-
1965	Wet	-	-	-	-	-	-	-	0%	-39%	26%	6%	-
1966	Below Norma	-	-	-	-	-	-	1%	1%	0%	-2%	3%	-20%
1967	Wet	-	-	-	-	-	-	-	-	-14%	-7%	-5%	-
1968	Below Norma	-	-	-	0%	-	-	1%	2%	0%	-3%	-	1%
1969	Wet	-	-	-	-	-	-	-	-	-23%	-2%	-2%	-
1970	Wet	-	-	-	0%	-	-	1%	0%	-3%	44%	-5%	-2%
1971	Wet	-	-	-	-	0%	-	0%	0%	1%	1%	19%	-
1972	Below Norma	-	-16%	-	-	-	-	64%	8%	-2%	-42%	-100%	-
1973	Above Norma	-	-	-	-	-	-	1%	1%	0%	0%	-6%	4%
1974	Wet	-	-	-	-	-	-	-1%	0%	0%	0%	0%	-
1975	Wet	-	-	-	-	-	-	1%	0%	-1%	0%	0%	-
1976	Critical	-	-	-	-	-100%	-	-25%	16%	79%	-13%	150%	-
1977	Critical	-	-	-	-	140%	-34%	-22%	-36%	-43%	-19%	-	-
1978	Above Norma	-	-	-	-	-	-	-	-	6%	-11%	-8%	-
1979	Below Norma	41%	-	14%	-	-	-	1%	0%	-3%	-14%	9%	199%
1980	Above Norma	-	-	-	-	-	-	-	4%	2%	1%	2%	-
1981	Dry	-	3%	-	-	-	-	3%	2%	0%	-5%	-5%	-
1982	Wet	-	-	-	-	-	-	-	0%	0%	0%	3%	-
1983	Wet	-	-	-	0%	-	-	-	-	-	-	0%	-
1984	Wet	-	-	-	0%	-	-	0%	0%	0%	0%	1%	-
1985	Dry	-	-	-	-	-	34%	-2%	-7%	-24%	-	-	-
1986	Wet	-	-	-	-	-	-	-	10%	0%	-4%	-13%	-
1987	Dry	-	-	-	-	-	-	-3%	0%	-18%	-20%	31%	-
1988	Critical	105%	-1%	-	-	-3%	0%	-6%	-2%	-1%	24%	-	-10%
1989	Dry	-22%	-	-	-	-	-	0%	5%	8%	-2%	10%	-100%
1990	Critical	-	33%	56%	-	-	-	0%	1%	0%	-2%	-	-
1991	Critical	-	-	-	-	-	-	7%	7%	3%	0%	50%	3%
1992	Critical	-	40%	-	-	-	-	44%	-2%	-3%	-7%	-31%	-16%
1993	Above Norma	-	-	-	-	-	-	0%	17%	-1%	-7%	-4%	-
1994	Critical	-	0%	-	-	-	38%	36%	11%	-61%	-	-	-
1995	Wet	-14%	-	-	-	-	-	-	96%	6%	22%	6%	-
1996	Wet	-	64%	-	-100%	-	-	-	15%	0%	0%	2%	-
1997	Wet	-6%	-	-	-	-	-	16%	11%	-3%	-4%	5%	-
1998	Wet	-	-	-	-	-	-	-	12%	1%	1%	0%	-
1999	Wet	-	-	0%	0%	-	-	3%	1%	1%	-1%	1%	-
2000	Above Norma	4%	-	-	-	-	-	5%	6%	-1%	35%	-5%	-
2001	Dry	-	-	-	-	-	-	13%	-14%	2%	2%	72%	-
2002	Dry	17%	-	-	-	10%	-	11%	7%	-5%	-32%	-21%	-
2003	Above Norma	18%	-100%	-	-	4%	-	-7%	-3%	-48%	-	-	-
Average		-24%	-7%	-2%	-11%	-22%	33%	5%	4%	17%	0%	6%	19%
Wet		-1%	2%	0%	-4%	0%	0%	1%	5%	-3%	5%	3%	0%
Above Norma		2%	-9%	-8%	0%	0%	0%	0%	2%	-3%	4%	-7%	43%
Below Norma		-10%	-1%	2%	0%	-7%	-1%	5%	2%	2%	10%	-1%	11%
Dry		-11%	-6%	0%	0%	-4%	23%	7%	1%	-10%	-12%	16%	-8%
Critical		-8%	5%	5%	0%	-14%	3%	8%	8%	132%	-7%	15%	-6%

Difference in Energy generated (GWh) at Syst. Tot.: CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norm	0	0	0	15	7	0	-4	-3	-2	-5	-2	-2	0
1923	Below Norm	0	37	-41	0	62	-12	-41	-11	30	-5	9	35	5
1924	Critical	32	6	24	2	-32	3	7	-2	-29	17	3	-41	-1
1925	Dry	-18	1	1	-44	2	6	1	-2	-2	4	16	57	2
1926	Dry	18	23	14	2	-23	81	-3	4	-3	-1	-5	-11	8
1927	Wet	-14	-5	-5	1	-6	0	-1	-1	-1	-152	-3	-67	-21
1928	Above Norm	5	1	2	39	36	13	48	19	-33	-27	-14	19	9
1929	Critical	0	-10	-10	2	1	0	0	2	2	-22	0	1	-3
1930	Dry	0	0	0	0	-12	0	38	14	5	57	-29	-12	5
1931	Critical	27	13	75	38	7	12	-13	-15	-57	-27	-15	-12	3
1932	Dry	-7	-4	-4	-1	-2	-3	1	0	0	-3	-13	-10	-4
1933	Critical	-12	-15	-5	-6	22	-5	2	2	2	-2	-11	-20	-4
1934	Critical	-16	-25	-11	-1	12	-1	-1	-2	-2	-2	-4	2	-4
1935	Below Norm	-1	-1	-1	0	0	0	8	0	-1	-2	1	0	0
1936	Below Norm	0	2	-2	0	0	0	2	1	0	1	3	0	1
1937	Below Norm	2	-8	6	1	0	41	-7	-11	-14	-13	-10	-7	-2
1938	Wet	-7	-7	10	1	0	0	0	-4	0	0	0	0	-1
1939	Dry	0	0	3	0	-3	5	2	2	16	-1	11	14	4
1940	Above Norm	2	1	6	-3	-2	-34	-2	1	0	1	1	0	-2
1941	Wet	1	1	1	23	2	-3	1	2	3	4	15	-4	4
1942	Wet	-23	-4	-4	0	0	1	0	0	0	-1	-1	0	-3
1943	Wet	0	0	0	0	0	0	2	5	3	6	6	3	2
1944	Dry	6	2	8	1	62	-14	-16	-15	-18	-11	-18	5	-1
1945	Below Norm	-12	-10	-10	-2	14	-29	2	4	4	4	5	-27	-5
1946	Below Norm	9	3	3	17	3	0	0	0	7	16	18	2	7
1947	Dry	-4	-28	0	-12	-1	27	18	18	46	35	24	22	12
1948	Below Norm	22	10	15	0	0	-1	-10	-5	-22	-34	-6	-20	-4
1949	Dry	-24	-7	-6	-4	-7	-2	-11	-14	-15	-43	-23	-16	-14
1950	Below Norm	-9	-22	-14	0	0	7	8	8	15	21	0	11	2
1951	Above Norm	19	-4	5	1	0	-3	0	0	3	2	12	22	5
1952	Wet	-2	-1	0	-35	0	0	0	0	0	0	0	0	-3
1953	Wet	0	0	0	0	0	0	0	2	1	1	-4	1	0
1954	Above Norm	1	1	1	2	1	-2	0	0	1	-1	-13	-17	-2
1955	Dry	0	-1	-1	0	2	4	-4	5	6	11	8	17	4
1956	Wet	19	23	45	1	-1	-1	0	0	0	-1	0	0	7
1957	Above Norm	0	0	0	1	0	0	13	16	11	39	-11	50	10
1958	Wet	5	4	4	-61	1	0	0	0	0	0	0	0	-4
1959	Below Norm	0	0	-2	0	2	3	2	4	-11	27	6	3	3
1960	Dry	7	-5	1	1	1	-1	55	14	-7	-10	-28	-8	2
1961	Dry	41	20	59	49	-12	-37	13	1	-3	-3	116	24	22
1962	Below Norm	-21	8	13	9	10	-117	-46	-14	-121	-21	-76	32	-29
1963	Wet	-16	-15	-12	-4	-139	5	2	0	-2	-38	-27	-3	-21
1964	Dry	-3	-2	-2	88	0	41	83	-27	-78	7	26	-36	8
1965	Wet	27	12	52	12	-1	5	6	14	-8	-2	4	6	11
1966	Below Norm	11	6	6	0	0	-2	2	2	1	5	-38	32	2
1967	Wet	1	1	1	50	2	-9	-4	-4	-5	-5	-5	-4	1
1968	Below Norm	-4	-4	0	0	0	0	4	3	6	14	0	2	2
1969	Wet	12	2	2	13	1	-2	-3	-2	-5	-5	-5	-4	1
1970	Wet	-4	-3	0	0	0	0	2	1	3	9	-1	1	1
1971	Wet	0	0	0	0	0	-6	0	0	0	0	20	-5	1
1972	Below Norm	-5	-5	-2	56	1	15	41	-4	-32	-17	22	-18	4
1973	Above Norm	2	3	25	-39	-4	-2	1	1	2	-38	43	1	0
1974	Wet	1	-5	1	0	-5	0	0	0	0	0	0	-1	-1
1975	Wet	0	0	0	0	-10	0	1	0	0	0	0	0	-1
1976	Critical	0	0	0	0	-10	-30	-87	24	-2	55	37	-6	-2
1977	Critical	19	18	60	7	49	0	-17	-18	-24	-21	62	-29	9
1978	Above Norm	-36	-11	-7	125	-32	-1	-134	11	-24	21	18	2	-6
1979	Below Norm	11	13	22	-118	-42	-11	1	1	3	0	-2	-13	-11
1980	Above Norm	2	1	1	19	0	0	-1	3	3	2	2	2	3
1981	Dry	2	2	2	1	0	-8	4	3	9	-37	0	54	3
1982	Wet	4	2	-10	0	0	0	0	0	0	-2	1	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	-1	-13	-1
1985	Dry	58	-1	0	0	0	3	0	-19	-62	10	-11	-12	-3
1986	Wet	-11	-10	-11	-3	14	7	7	9	14	20	4	9	4
1987	Dry	9	0	4	8	2	19	3	1	33	13	-1	1	8
1988	Critical	-4	0	1	0	-3	-1	-4	-4	-5	-19	-5	-4	-4
1989	Dry	-3	-1	-1	0	-2	-54	1	4	-16	16	2	22	-3
1990	Critical	2	6	-1	-1	0	0	0	1	1	2	1	0	1
1991	Critical	0	0	0	0	0	-1	5	6	7	5	8	4	3
1992	Critical	2	2	1	0	0	-34	31	0	0	-5	-2	-10	-1
1993	Above Norm	-18	-22	-8	-1	1	-4	0	7	0	6	6	0	-3
1994	Critical	2	0	0	0	-11	14	33	6	47	-25	-146	17	-5
1995	Wet	2	0	41	45	112	-3	9	31	7	25	17	9	25
1996	Wet	8	2	-51	2	3	0	-2	6	7	3	1	1	-2
1997	Wet	5	-14	1	0	0	-1	11	12	21	20	10	9	6
1998	Wet	34	7	7	-59	0	-1	1	1	-1	0	2	0	-1
1999	Wet	0	0	0	0	0	0	1	1	1	2	1	1	1
2000	Above Norm	1	-1	1	66	-1	1	14	21	6	24	1	6	12
2001	Dry	-6	-6	-15	0	-1	0	3	-5	5	5	-22	47	0
2002	Dry	3	2	2	0	23	0	14	11	15	27	-30	40	9
2003	Above Norm	7	-1	12	37	18	-29	-15	-31	8	1	0	-3	0
Average		2	0	4	4	1	-2	1	1	-3	-1	-1	2	1
Wet		2	0	3	-1	-1	0	1	3	1	-5	1	-2	0
Above Norm		-1	-3	3	22	2	-5	-7	4	-2	2	4	7	2
Below Norm		0	2	0	-3	4	-8	-2	-2	-10	0	-5	2	-2
Dry		4	0	4	5	2	4	11	0	-4	4	1	11	3
Critical		4	0	11	3	3	-4	-4	0	-5	-4	-6	-8	-1

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy generated (GWh) at Syst. Tot.: CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	23%	2%	0%	-1%	0%	0%	-1%	0%	-1%
1923	Below Norma	0%	10%	-7%	0%	19%	-3%	-9%	-2%	5%	-1%	1%	9%
1924	Critical	9%	2%	7%	1%	-15%	2%	4%	-1%	-10%	7%	1%	-23%
1925	Dry	-26%	3%	3%	-27%	1%	5%	1%	-1%	0%	1%	5%	24%
1926	Dry	10%	22%	13%	4%	-9%	54%	-1%	1%	0%	0%	-1%	-3%
1927	Wet	-4%	-2%	-1%	1%	-1%	0%	0%	0%	0%	-21%	-1%	-14%
1928	Above Norma	1%	0%	1%	14%	9%	1%	13%	3%	-6%	-5%	-3%	5%
1929	Critical	0%	-4%	-4%	1%	1%	0%	0%	1%	0%	-6%	0%	1%
1930	Dry	0%	0%	0%	1%	-6%	0%	15%	4%	1%	12%	-6%	-3%
1931	Critical	9%	5%	39%	59%	8%	22%	-4%	-5%	-13%	-7%	-5%	-6%
1932	Dry	-6%	-6%	-2%	-3%	-1%	-1%	0%	0%	0%	-1%	-4%	-4%
1933	Critical	-7%	-11%	-6%	-11%	19%	-1%	1%	1%	-1%	-3%	-7%	-7%
1934	Critical	-8%	-14%	-7%	-2%	6%	-2%	0%	0%	0%	0%	-1%	1%
1935	Below Norma	0%	-1%	-1%	0%	0%	0%	3%	0%	0%	0%	0%	0%
1936	Below Norma	0%	1%	-1%	0%	0%	0%	1%	0%	0%	0%	1%	0%
1937	Below Norma	0%	-2%	3%	1%	0%	13%	-2%	-2%	-2%	-2%	-2%	-2%
1938	Wet	-2%	-2%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	1%	0%	-1%	1%	0%	0%	3%	0%	2%	4%
1940	Above Norma	1%	0%	3%	-2%	-2%	-3%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	8%	0%	0%	0%	0%	1%	1%	3%	-1%
1942	Wet	-5%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%
1944	Dry	2%	1%	3%	1%	26%	-3%	-3%	-3%	-3%	-2%	-3%	1%
1945	Below Norma	-3%	-3%	-4%	-1%	6%	-8%	0%	1%	1%	1%	1%	-6%
1946	Below Norma	2%	1%	1%	6%	1%	0%	0%	0%	1%	2%	3%	0%
1947	Dry	-1%	-9%	0%	-5%	0%	15%	5%	4%	10%	6%	5%	6%
1948	Below Norma	8%	4%	6%	0%	0%	-1%	-5%	-1%	-5%	-5%	-1%	-5%
1949	Dry	-6%	-2%	-2%	-2%	-3%	-2%	-4%	-4%	-3%	-8%	-6%	-5%
1950	Below Norma	-4%	-10%	-12%	-1%	0%	3%	2%	2%	3%	3%	0%	3%
1951	Above Norma	6%	-1%	1%	0%	0%	-1%	0%	0%	0%	0%	2%	5%
1952	Wet	-1%	0%	0%	-8%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	0%
1954	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-2%	-4%
1955	Dry	0%	0%	0%	0%	1%	3%	-2%	2%	1%	3%	2%	7%
1956	Wet	10%	14%	15%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norma	0%	0%	0%	0%	0%	0%	3%	4%	2%	7%	-2%	17%
1958	Wet	2%	2%	2%	-16%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	0%	0%	0%	1%	0%	1%	-2%	4%	1%	1%
1960	Dry	2%	-2%	0%	1%	1%	-1%	15%	3%	-1%	-2%	-5%	-2%
1961	Dry	13%	9%	32%	46%	-8%	-16%	4%	0%	-1%	-1%	29%	6%
1962	Below Norma	-6%	4%	9%	11%	13%	-45%	-11%	-3%	-16%	-3%	-12%	7%
1963	Wet	-5%	-5%	-4%	-1%	-17%	1%	0%	0%	0%	-5%	-5%	-1%
1964	Dry	-1%	-1%	-1%	41%	0%	11%	17%	-7%	-15%	1%	5%	-10%
1965	Wet	10%	5%	17%	1%	0%	1%	2%	2%	-2%	0%	1%	2%
1966	Below Norma	3%	1%	2%	0%	0%	0%	0%	0%	0%	1%	-6%	8%
1967	Wet	0%	0%	0%	17%	0%	-1%	-1%	-1%	-1%	-1%	-1%	-1%
1968	Below Norma	-1%	0%	0%	0%	0%	0%	1%	1%	1%	2%	0%	1%
1969	Wet	4%	1%	1%	2%	0%	0%	0%	0%	-1%	-1%	-1%	-1%
1970	Wet	-1%	-1%	0%	0%	0%	0%	0%	0%	1%	1%	0%	0%
1971	Wet	0%	0%	0%	0%	0%	-1%	0%	0%	0%	0%	3%	-1%
1972	Below Norma	-1%	-2%	-1%	23%	0%	3%	13%	-1%	-6%	-3%	5%	-6%
1973	Above Norma	1%	2%	16%	-6%	-1%	0%	0%	0%	0%	-6%	9%	0%
1974	Wet	0%	-1%	0%	0%	-1%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	-2%	-6%	-19%	6%	0%	14%	10%	-2%
1977	Critical	6%	7%	17%	5%	33%	0%	-11%	-14%	-12%	44%	-30%	-30%
1978	Above Norma	-52%	-35%	-23%	94%	-12%	0%	-27%	0%	-5%	3%	4%	1%
1979	Below Norma	2%	3%	6%	-51%	-6%	-3%	0%	0%	0%	0%	-1%	-3%
1980	Above Norma	1%	0%	0%	2%	0%	0%	0%	1%	1%	1%	1%	1%
1981	Dry	0%	1%	1%	0%	0%	-1%	1%	1%	2%	-6%	0%	13%
1982	Wet	1%	1%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-3%
1985	Dry	18%	0%	0%	0%	0%	1%	0%	-3%	-9%	2%	-2%	-3%
1986	Wet	-3%	-3%	-4%	-1%	2%	1%	2%	2%	3%	4%	1%	3%
1987	Dry	3%	0%	1%	3%	0%	3%	1%	0%	7%	3%	0%	0%
1988	Critical	-1%	0%	0%	0%	-2%	-1%	-2%	-2%	-2%	-5%	-2%	-2%
1989	Dry	-2%	-2%	-1%	-1%	-5%	-22%	0%	1%	-2%	2%	0%	6%
1990	Critical	1%	2%	0%	-2%	-1%	0%	0%	0%	0%	1%	0%	0%
1991	Critical	0%	0%	0%	0%	-1%	-3%	3%	3%	2%	2%	4%	2%
1992	Critical	2%	3%	1%	0%	0%	-49%	15%	0%	0%	-1%	-1%	-3%
1993	Above Norma	-9%	-14%	-10%	-3%	0%	-1%	0%	1%	0%	1%	1%	0%
1994	Critical	0%	0%	0%	0%	-2%	3%	10%	2%	10%	-4%	-32%	6%
1995	Wet	1%	0%	29%	41%	21%	0%	1%	3%	1%	5%	3%	2%
1996	Wet	2%	1%	-10%	0%	0%	0%	0%	1%	1%	1%	0%	0%
1997	Wet	1%	-4%	0%	0%	0%	0%	3%	3%	5%	4%	3%	3%
1998	Wet	11%	3%	3%	-7%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norma	0%	0%	0%	18%	0%	0%	3%	4%	1%	3%	0%	1%
2001	Dry	-2%	-2%	-3%	0%	0%	0%	1%	-1%	1%	1%	-5%	16%
2002	Dry	1%	1%	1%	0%	7%	0%	4%	3%	4%	5%	-7%	12%
2003	Above Norma	2%	0%	5%	15%	5%	-8%	-4%	-5%	1%	0%	0%	0%
Average		0%	0%	2%	3%	1%	0%	0%	0%	-1%	0%	0%	0%
Wet		1%	0%	2%	1%	0%	0%	0%	1%	0%	0%	0%	0%
Above Norma		-4%	-4%	-1%	13%	0%	-1%	-1%	1%	0%	0%	1%	2%
Below Norma		0%	0%	0%	-1%	2%	-3%	0%	0%	-1%	0%	-1%	1%
Dry		0%	1%	2%	3%	0%	3%	3%	0%	0%	1%	1%	4%
Critical		1%	-1%	4%	4%	4%	-3%	0%	-1%	-2%	-1%	1%	-5%

Difference in Energy generated (GWh) at Thermalito Dam : CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	-1	0	0	0
1923	Below Norma	0	5	-5	0	8	-1	-5	-2	3	0	0	1	0
1924	Critical	3	0	3	0	-2	0	0	-2	-6	3	0	-8	-1
1925	Dry	-3	0	0	0	0	0	0	0	0	0	0	6	0
1926	Dry	0	0	0	0	0	0	1	0	1	1	0	-1	0
1927	Wet	-1	0	0	0	-1	0	0	0	0	-19	0	-9	-3
1928	Above Norma	0	0	0	0	4	0	0	1	-3	-3	-1	4	0
1929	Critical	2	0	0	0	0	0	0	0	0	-2	0	0	0
1930	Dry	0	0	0	0	0	0	0	0	2	10	-3	-1	1
1931	Critical	2	0	5	0	-3	0	0	0	-7	-2	0	0	0
1932	Dry	0	0	0	0	0	-1	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	-2	0
1934	Critical	0	-1	0	0	0	0	0	0	0	0	-1	1	0
1935	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	0	0	0	0	0	0	0	-1	-1	0	0	0
1938	Wet	0	0	2	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	-3	0	0	2	0	2	2	0
1940	Above Norma	0	0	1	0	0	-5	0	0	0	0	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	1	1	0	0	0
1942	Wet	-1	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	1	1	0	0
1944	Dry	0	0	1	0	0	-2	0	0	-1	0	-1	2	0
1945	Below Norma	0	0	0	0	0	0	0	0	0	0	0	-4	0
1946	Below Norma	1	0	0	2	0	0	0	0	0	2	3	1	1
1947	Dry	0	-4	0	-2	0	0	0	0	4	4	3	2	1
1948	Below Norma	2	0	0	0	0	0	0	0	0	-5	0	-2	0
1949	Dry	-2	0	0	0	0	0	0	0	0	-4	-1	-1	-1
1950	Below Norma	0	-2	-1	0	0	0	0	0	1	3	-1	1	0
1951	Above Norma	2	-1	0	0	0	0	0	0	0	0	2	3	0
1952	Wet	0	0	0	-4	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	-3	0
1955	Dry	0	0	0	0	1	0	0	0	0	0	-2	0	0
1956	Wet	0	0	4	0	0	-1	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	1	4	-2	6	1
1958	Wet	0	0	0	-8	0	0	0	0	0	0	0	0	-1
1959	Below Norma	0	0	0	0	0	0	0	0	-2	3	1	0	0
1960	Dry	1	0	0	0	0	0	1	0	0	1	-1	1	0
1961	Dry	4	0	0	0	0	0	0	0	0	1	19	6	3
1962	Below Norma	-2	1	0	0	0	0	0	0	-15	0	-8	7	-1
1963	Wet	0	0	0	0	-17	0	0	0	-1	-5	-4	0	-2
1964	Dry	0	0	0	0	0	0	3	0	2	0	4	-5	0
1965	Wet	2	0	3	0	0	0	0	1	1	-2	0	0	0
1966	Below Norma	1	0	0	0	0	0	0	0	0	1	-5	4	0
1967	Wet	0	0	0	1	0	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	2	0	0	0
1969	Wet	2	0	0	-4	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	1	0	0	0	0
1971	Wet	0	0	0	0	0	-1	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	1	0	0	-2	1	6	0	0
1973	Above Norma	0	0	0	-4	0	0	0	0	0	-5	5	0	0
1974	Wet	0	-1	0	0	-1	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	-5	6	2	-3	0
1977	Critical	0	0	7	0	6	0	0	0	0	0	21	0	3
1978	Above Norma	-4	0	0	0	0	0	-16	0	-3	3	2	0	-1
1979	Below Norma	0	0	0	-11	-3	0	0	0	0	0	-1	-2	-1
1980	Above Norma	0	0	0	2	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	1	-5	0	7	0
1982	Wet	0	0	-3	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	-2	0
1985	Dry	8	0	0	0	0	-1	0	0	-6	0	0	0	0
1986	Wet	0	0	0	0	0	0	0	0	0	2	0	0	0
1987	Dry	0	-1	-1	0	0	0	0	0	5	3	0	1	1
1988	Critical	-1	0	0	0	0	0	0	0	0	-3	0	0	0
1989	Dry	0	0	0	0	0	-5	0	0	-3	2	0	3	0
1990	Critical	0	0	-2	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	2	0	0
1993	Above Norma	-1	-1	0	0	0	-1	0	0	0	1	1	0	0
1994	Critical	0	0	0	-1	-2	0	0	0	9	-2	-19	4	-1
1995	Wet	-2	-3	0	0	14	0	0	0	0	0	0	0	1
1996	Wet	0	0	0	0	0	0	0	0	1	0	0	0	0
1997	Wet	1	-2	0	0	0	-1	0	0	2	2	0	0	0
1998	Wet	3	0	0	-7	0	0	0	0	-1	0	1	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	1	0	2	0
2001	Dry	0	0	-1	0	0	0	0	0	1	0	-5	6	0
2002	Dry	0	0	0	0	0	0	0	0	1	4	-5	5	0
2003	Above Norma	0	0	0	0	2	-9	0	-3	4	0	0	0	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	-1	0	0	0	0	0	-1	0	0	0
Above Norma		0	0	0	0	1	-1	-1	0	0	0	1	1	0
Below Norma		0	0	0	-1	0	0	0	0	-1	0	-1	0	0
Dry		0	0	0	0	0	-1	0	0	1	1	0	2	0
Critical		1	0	1	0	0	0	0	0	-1	0	0	-1	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy generated (GWh) at Thermalito Dam : CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	-2%	0%	0%
1923	Below Norma	1%	41%	-11%	0%	107%	-3%	-51%	-18%	22%	0%	-1%	11%
1924	Critical	18%	0%	16%	0%	-21%	1%	3%	-13%	-25%	17%	1%	-42%
1925	Dry	-42%	0%	0%	0%	0%	0%	0%	0%	0%	1%	1%	166%
1926	Dry	-1%	0%	0%	0%	0%	0%	8%	2%	3%	5%	2%	-7%
1927	Wet	-5%	0%	0%	0%	-1%	0%	0%	0%	0%	-51%	-2%	-50%
1928	Above Norma	0%	0%	0%	0%	19%	0%	0%	4%	-10%	-10%	-3%	28%
1929	Critical	16%	0%	0%	0%	0%	0%	0%	2%	1%	-16%	-1%	1%
1930	Dry	0%	0%	0%	0%	0%	0%	0%	0%	8%	74%	-14%	-7%
1931	Critical	18%	0%	44%	0%	-40%	0%	0%	0%	-21%	-7%	-1%	0%
1932	Dry	0%	-1%	0%	0%	0%	-3%	1%	0%	0%	1%	-2%	0%
1933	Critical	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%	-18%
1934	Critical	-3%	-13%	0%	0%	0%	0%	0%	0%	0%	0%	-2%	5%
1935	Below Norma	1%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	0%	1%
1936	Below Norma	0%	0%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1937	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	-3%	-4%	-4%	0%
1938	Wet	0%	0%	11%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	0%	-10%	0%	0%	9%	-1%	5%	15%
1940	Above Norma	2%	0%	17%	0%	0%	-6%	0%	1%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	0%	0%	0%	0%	0%	4%	4%	0%	0%
1942	Wet	-6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	3%	0%	2%	3%	1%
1944	Dry	3%	0%	5%	0%	-4%	-15%	-1%	0%	-2%	1%	-2%	10%
1945	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-31%
1946	Below Norma	5%	0%	0%	26%	2%	0%	0%	0%	1%	4%	7%	3%
1947	Dry	0%	-32%	0%	-17%	0%	0%	0%	0%	59%	10%	8%	14%
1948	Below Norma	16%	0%	0%	0%	-1%	0%	0%	0%	0%	-11%	1%	-24%
1949	Dry	-13%	0%	0%	0%	-2%	0%	0%	0%	0%	-13%	-12%	-5%
1950	Below Norma	0%	-17%	-23%	0%	0%	0%	0%	0%	4%	8%	-6%	14%
1951	Above Norma	16%	-3%	0%	0%	0%	0%	0%	0%	0%	-1%	4%	16%
1952	Wet	0%	0%	0%	-18%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1954	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	-14%	-14%
1955	Dry	0%	0%	0%	0%	8%	0%	0%	0%	0%	0%	-14%	0%
1956	Wet	0%	0%	12%	0%	0%	-2%	0%	0%	0%	0%	0%	1%
1957	Above Norma	0%	0%	0%	0%	0%	0%	2%	0%	2%	14%	-7%	79%
1958	Wet	0%	0%	0%	-47%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	0%	0%	0%	0%	-2%	0%	-5%	7%	2%	0%
1960	Dry	4%	0%	0%	0%	0%	0%	6%	0%	2%	2%	-3%	8%
1961	Dry	30%	0%	0%	0%	0%	0%	0%	1%	1%	2%	156%	40%
1962	Below Norma	-12%	15%	0%	0%	0%	0%	0%	0%	-36%	-1%	-23%	39%
1963	Wet	0%	0%	0%	0%	-24%	0%	0%	0%	-2%	-12%	-16%	-3%
1964	Dry	-2%	0%	0%	0%	0%	0%	14%	-6%	6%	1%	14%	-34%
1965	Wet	16%	0%	14%	0%	0%	0%	0%	4%	23%	-9%	-9%	0%
1966	Below Norma	4%	0%	0%	0%	0%	0%	0%	0%	0%	1%	-15%	35%
1967	Wet	0%	0%	0%	4%	0%	0%	0%	0%	0%	0%	0%	0%
1968	Below Norma	0%	0%	0%	0%	0%	0%	1%	0%	2%	4%	-1%	0%
1969	Wet	8%	0%	0%	-5%	0%	0%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	0%	0%	0%	3%	0%	0%	1%
1971	Wet	0%	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%
1972	Below Norma	0%	0%	0%	0%	0%	3%	0%	0%	-10%	-2%	29%	0%
1973	Above Norma	0%	0%	0%	-9%	0%	0%	0%	0%	1%	-16%	33%	1%
1974	Wet	0%	-2%	0%	0%	-2%	0%	0%	0%	0%	1%	0%	-1%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	0%	-2%	-29%	70%	13%	-19%
1977	Critical	0%	0%	25%	0%	106%	0%	-6%	0%	-2%	0%	151%	1%
1978	Above Norma	-37%	-1%	-1%	0%	1%	0%	-77%	0%	-39%	17%	33%	0%
1979	Below Norma	0%	0%	-1%	-65%	-7%	0%	0%	0%	1%	1%	-7%	-16%
1980	Above Norma	0%	0%	0%	2%	0%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	-2%	0%	0%	0%	0%	0%	0%	3%	-15%	-2%	44%
1982	Wet	2%	0%	-3%	0%	0%	0%	0%	0%	1%	0%	0%	1%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	-3%	-6%	-1%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-10%
1985	Dry	77%	0%	0%	0%	0%	-12%	5%	-1%	-14%	1%	0%	-1%
1986	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	14%	0%	0%
1987	Dry	0%	-12%	-7%	-2%	0%	0%	6%	0%	30%	15%	0%	4%
1988	Critical	-3%	0%	0%	0%	0%	0%	0%	0%	0%	-11%	-1%	0%
1989	Dry	0%	0%	0%	0%	0%	-22%	0%	-1%	-8%	4%	-1%	33%
1990	Critical	0%	0%	-6%	0%	0%	0%	0%	0%	0%	2%	0%	0%
1991	Critical	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	-2%	1%
1992	Critical	0%	2%	0%	0%	0%	0%	0%	1%	0%	0%	19%	0%
1993	Above Norma	-8%	-12%	0%	0%	0%	-1%	0%	0%	0%	4%	7%	0%
1994	Critical	2%	0%	0%	-10%	-7%	2%	0%	0%	47%	-5%	-64%	39%
1995	Wet	-11%	-28%	0%	0%	39%	0%	0%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	0%	0%	0%	0%	0%	0%	5%	1%	-8%	0%
1997	Wet	3%	-10%	0%	0%	0%	-3%	0%	0%	13%	9%	0%	1%
1998	Wet	22%	0%	0%	-9%	0%	0%	4%	1%	-2%	0%	26%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%
2000	Above Norma	0%	-1%	0%	0%	0%	0%	0%	0%	0%	2%	0%	10%
2001	Dry	0%	0%	-5%	0%	0%	0%	0%	0%	1%	1%	-25%	114%
2002	Dry	0%	0%	0%	0%	0%	0%	0%	0%	16%	11%	-18%	53%
2003	Above Norma	0%	0%	0%	0%	20%	-50%	0%	-11%	11%	0%	0%	0%
Average		1%	-1%	1%	-2%	2%	-2%	-1%	0%	1%	2%	3%	6%
Wet		1%	-2%	1%	-3%	0%	0%	0%	0%	2%	-2%	0%	-2%
Above Norma		-2%	-1%	1%	-1%	3%	-5%	-6%	-1%	-3%	1%	5%	10%
Below Norma		1%	3%	-2%	-3%	7%	0%	-4%	-1%	-2%	1%	-1%	2%
Dry		3%	-3%	0%	-1%	0%	-3%	2%	0%	6%	5%	5%	25%
Critical		4%	-1%	7%	-1%	3%	0%	0%	-1%	-2%	4%	9%	-3%

Difference in Energy generated (GWh) at Warne: CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	2	1	0	-1	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	0	0	0	3	3	0
1924	Critical	2	1	1	0	0	0	0	0	0	1	0	0	1
1925	Dry	0	0	0	-17	0	0	2	1	1	1	4	4	0
1926	Dry	4	5	3	1	0	10	-2	2	-1	-1	-1	-1	2
1927	Wet	-1	-1	-1	0	2	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	10	0	2	8	3	-2	-2	-2	-1	1
1929	Critical	-2	-1	-1	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	0	-4	0	3	1	-1	-3	-2	-1	-1
1931	Critical	2	3	8	4	4	1	-1	-2	-2	-2	-1	-1	1
1932	Dry	-1	0	0	0	0	0	-1	-1	-1	-1	-2	-2	-1
1933	Critical	-2	-3	0	-2	9	-1	0	-1	-1	-1	-3	-3	-1
1934	Critical	-4	-4	-3	0	5	0	0	0	0	0	0	0	-1
1935	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	0	2	0	0	0	-1	-1	-1	-1	-1	-1	0
1938	Wet	-1	-1	-1	1	0	0	0	-1	0	0	0	0	0
1939	Dry	0	0	1	0	-1	1	0	0	0	0	0	0	0
1940	Above Norma	0	0	0	0	0	0	-1	0	0	0	0	0	0
1941	Wet	0	0	1	6	2	0	0	0	1	0	0	-1	1
1942	Wet	-1	-1	-1	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	13	1	-2	-2	-2	-2	-2	-2	0
1945	Below Norma	-2	-2	-2	0	5	-7	0	1	1	1	1	1	0
1946	Below Norma	1	0	0	1	0	0	0	0	1	0	0	0	0
1947	Dry	0	0	0	0	0	10	2	2	2	2	2	2	2
1948	Below Norma	2	2	2	0	0	0	-2	-1	-1	-1	-1	-1	0
1949	Dry	-1	-1	-1	-1	0	0	-1	-2	-2	-2	-2	-2	-1
1950	Below Norma	-2	-1	-1	0	0	-5	1	1	1	1	1	1	0
1951	Above Norma	1	1	1	1	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	1	0	0	0	0	0	-1	-1	0	0
1955	Dry	0	0	0	0	0	1	1	2	2	2	4	4	1
1956	Wet	4	5	3	0	0	0	0	0	0	0	0	0	1
1957	Above Norma	0	0	0	1	0	0	2	2	1	1	1	1	1
1958	Wet	1	1	1	0	2	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	-1	0	1	0	0	1	0	1	1	0	0
1960	Dry	0	0	0	0	0	0	4	1	-1	-5	-4	-2	-1
1961	Dry	3	3	11	6	-16	-2	1	0	0	-1	-1	0	0
1962	Below Norma	1	1	3	1	1	-10	-10	-2	-2	-2	-2	-2	-2
1963	Wet	-3	-2	-2	-2	0	0	0	0	-1	-1	-1	0	-1
1964	Dry	0	0	0	13	0	9	8	-1	-2	-2	-1	-1	2
1965	Wet	1	2	5	4	0	1	1	1	1	1	1	1	2
1966	Below Norma	1	1	1	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	6	1	0	-1	-1	-1	-1	-1	-1	0
1968	Below Norma	-1	-1	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	5	1	0	-1	-1	-1	-1	-1	-1	0
1970	Wet	-1	-1	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	5	-2	0
1972	Below Norma	-1	-1	0	9	1	5	4	-1	-2	-4	-4	-2	0
1973	Above Norma	0	1	5	-7	-6	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	-18	3	3	3	3	3	0
1977	Critical	3	3	3	1	1	0	-1	-2	-2	-2	-1	-1	0
1978	Above Norma	0	0	0	8	-5	0	0	2	2	2	2	1	1
1979	Below Norma	5	5	8	-5	-3	-2	0	0	0	0	0	0	1
1980	Above Norma	0	0	0	1	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	-2	-1	-1	-2	-2	-1
1986	Wet	-2	-2	-2	0	6	0	1	1	1	2	2	1	1
1987	Dry	1	1	1	2	2	2	0	0	0	0	0	0	1
1988	Critical	0	0	0	0	-2	0	0	0	0	-1	0	0	0
1989	Dry	0	0	0	0	0	-5	0	1	1	1	1	1	0
1990	Critical	1	1	2	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	1	1	1	1	1	0	0
1992	Critical	0	0	0	0	0	-13	8	-1	-1	-1	-2	-2	-1
1993	Above Norma	-3	-3	-1	0	0	0	0	0	0	0	0	0	-1
1994	Critical	0	0	0	1	1	2	2	0	-1	-3	-3	-1	0
1995	Wet	2	2	7	5	0	0	1	8	2	7	5	2	3
1996	Wet	1	0	-19	4	5	0	-1	1	0	0	0	0	-1
1997	Wet	0	0	0	0	0	0	1	1	1	1	1	1	1
1998	Wet	1	1	1	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	8	0	0	3	5	4	3	0	-1	2
2001	Dry	-1	-1	-1	0	-1	0	0	1	1	1	1	1	0
2002	Dry	0	0	0	0	3	0	2	1	1	1	1	1	1
2003	Above Norma	2	2	2	5	1	6	-2	-1	-1	-1	-1	0	1
Average		0	0	0	1	0	0	0	0	0	0	0	0	0
Wet		0	0	0	1	1	0	0	0	0	0	0	0	0
Above Norma		0	0	1	2	-1	1	1	1	0	0	0	0	0
Below Norma		0	0	1	0	0	-1	-1	0	0	0	0	0	0
Dry		0	1	1	0	0	1	1	0	0	0	0	0	0
Critical		0	0	1	0	2	-1	-1	0	0	0	-1	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy generated (GWh) at Warne: CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	103%	3%	0%	-1%	-1%	-1%	-1%	-1%	-1%
1923	Below Norma	-1%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%	6%	7%
1924	Critical	5%	4%	4%	2%	2%	1%	2%	3%	4%	4%	3%	4%
1925	Dry	0%	2%	0%	-34%	0%	0%	8%	4%	3%	2%	14%	15%
1926	Dry	42%	74%	1609%	9%	0%	62%	-6%	5%	-2%	-2%	-2%	-2%
1927	Wet	-2%	-2%	-2%	1%	3%	0%	0%	0%	0%	0%	0%	0%
1928	Above Norma	0%	0%	0%	29%	0%	3%	18%	6%	-4%	-4%	-4%	-4%
1929	Critical	-5%	-5%	-5%	1%	1%	1%	0%	0%	0%	0%	0%	0%
1930	Dry	1%	0%	0%	0%	-23%	1%	10%	1%	-1%	-6%	-5%	-2%
1931	Critical	8%	11%	67%	61%	79%	20%	-6%	-7%	-8%	-8%	-8%	-8%
1932	Dry	-21%	-4%	0%	0%	0%	0%	-3%	-2%	-2%	-2%	-9%	-9%
1933	Critical	-26%	-46%	0%	-34%	33%	-2%	-2%	-2%	-2%	-2%	-9%	-10%
1934	Critical	-19%	-25%	-43%	-3%	18%	-4%	-1%	-1%	-1%	-1%	-1%	-1%
1935	Below Norma	-1%	-1%	-1%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1936	Below Norma	0%	0%	0%	-2%	0%	0%	1%	0%	0%	0%	0%	0%
1937	Below Norma	1%	1%	5%	5%	0%	0%	-3%	-3%	-3%	-3%	-3%	-3%
1938	Wet	-3%	-3%	-4%	1%	0%	0%	0%	-3%	0%	0%	0%	0%
1939	Dry	0%	0%	3%	0%	-2%	1%	1%	1%	1%	1%	1%	1%
1940	Above Norma	1%	1%	1%	-3%	-1%	0%	-1%	0%	0%	0%	0%	0%
1941	Wet	1%	1%	1%	19%	4%	0%	0%	0%	3%	0%	0%	-3%
1942	Wet	-2%	-2%	-2%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%
1944	Dry	1%	1%	1%	1%	45%	1%	-4%	-4%	-4%	-4%	-4%	-4%
1945	Below Norma	-4%	-5%	-5%	-1%	17%	-17%	0%	1%	1%	1%	1%	1%
1946	Below Norma	1%	1%	1%	1%	0%	0%	0%	2%	1%	0%	0%	0%
1947	Dry	0%	0%	0%	0%	-2%	36%	7%	6%	6%	6%	6%	6%
1948	Below Norma	7%	7%	8%	0%	2%	1%	-9%	-2%	-2%	-2%	-2%	-2%
1949	Dry	-2%	-2%	-2%	-3%	-2%	-1%	-5%	-5%	-5%	-5%	-5%	-5%
1950	Below Norma	-7%	-7%	-11%	-1%	0%	-9%	2%	2%	2%	2%	2%	2%
1951	Above Norma	2%	2%	2%	2%	0%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Norma	0%	0%	0%	2%	0%	0%	0%	1%	-2%	-2%	0%	0%
1955	Dry	0%	0%	0%	1%	0%	8%	4%	6%	6%	14%	15%	15%
1956	Wet	29%	39%	85%	1%	-1%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norma	0%	0%	0%	1%	0%	0%	3%	6%	2%	2%	2%	2%
1958	Wet	3%	3%	3%	0%	5%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	-2%	0%	1%	1%	1%	1%	1%	1%	1%	1%
1960	Dry	2%	2%	2%	1%	1%	-1%	9%	1%	-3%	-11%	-10%	-5%
1961	Dry	9%	13%	63%	46%	-54%	-4%	4%	1%	0%	-2%	-1%	0%
1962	Below Norma	4%	4%	18%	10%	19%	-24%	-20%	-4%	-4%	-4%	-4%	-5%
1963	Wet	-6%	-6%	-6%	-5%	0%	0%	0%	-2%	-2%	-3%	-2%	-1%
1964	Dry	-1%	-1%	-1%	52%	0%	20%	22%	-4%	-5%	-5%	-4%	-2%
1965	Wet	5%	7%	26%	13%	1%	2%	3%	3%	3%	3%	3%	3%
1966	Below Norma	4%	4%	4%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1967	Wet	1%	1%	1%	20%	3%	0%	-1%	-1%	-1%	-1%	-1%	-1%
1968	Below Norma	-2%	-1%	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%
1969	Wet	1%	1%	1%	20%	3%	0%	-1%	-1%	-1%	-1%	-1%	-1%
1970	Wet	-1%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	10%	-4%
1972	Below Norma	-2%	-2%	-1%	31%	1%	11%	12%	-3%	-6%	-11%	-10%	-7%
1973	Above Norma	1%	3%	44%	-12%	-12%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	1%	0%	0%	-37%	8%	8%	8%	8%	8%
1977	Critical	10%	11%	12%	5%	6%	3%	-11%	-15%	-19%	-18%	-18%	-18%
1978	Above Norma	-1%	-7%	0%	21%	-11%	0%	1%	3%	4%	4%	4%	3%
1979	Below Norma	10%	12%	19%	-30%	-7%	-4%	0%	0%	0%	0%	0%	0%
1980	Above Norma	1%	1%	1%	3%	0%	0%	1%	1%	1%	1%	1%	1%
1981	Dry	1%	1%	1%	1%	0%	0%	1%	1%	1%	1%	1%	1%
1982	Wet	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	0%	-5%	-3%	-3%	-4%	-4%
1986	Wet	-5%	-5%	-5%	-1%	24%	0%	3%	4%	4%	4%	4%	4%
1987	Dry	5%	5%	5%	7%	4%	4%	1%	1%	1%	1%	1%	1%
1988	Critical	1%	1%	1%	-1%	-8%	0%	-1%	-2%	-2%	-2%	-2%	-2%
1989	Dry	-6%	-1%	0%	0%	0%	-22%	1%	1%	1%	1%	2%	2%
1990	Critical	3%	3%	6%	-4%	-2%	0%	0%	0%	0%	0%	0%	0%
1991	Critical	1%	0%	0%	0%	0%	-7%	3%	3%	4%	4%	3%	3%
1992	Critical	15%	2%	0%	0%	0%	-78%	41%	-2%	-2%	-2%	-8%	-8%
1993	Above Norma	-20%	-30%	-91%	-6%	0%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	2%	3%	4%	7%	1%	-2%	-9%	-8%	-4%
1995	Wet	8%	11%	54%	48%	0%	0%	3%	17%	4%	14%	10%	5%
1996	Wet	3%	1%	-34%	8%	11%	0%	-2%	4%	1%	1%	1%	1%
1997	Wet	1%	1%	1%	0%	0%	0%	4%	4%	4%	4%	4%	4%
1998	Wet	5%	5%	6%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norma	0%	0%	0%	33%	0%	0%	5%	10%	8%	6%	1%	-2%
2001	Dry	-2%	-2%	-2%	0%	-3%	0%	2%	2%	2%	2%	2%	2%
2002	Dry	2%	2%	3%	1%	11%	0%	4%	4%	4%	2%	3%	3%
2003	Above Norma	5%	6%	9%	18%	1%	16%	-5%	-2%	-2%	-1%	-1%	0%
Average		1%	1%	23%	5%	2%	0%	1%	1%	0%	0%	0%	0%
Wet		1%	2%	5%	5%	2%	0%	0%	1%	1%	1%	1%	0%
Above Norma		-1%	-2%	-3%	16%	-2%	2%	2%	2%	1%	0%	0%	0%
Below Norma		1%	1%	2%	1%	2%	-3%	-1%	0%	0%	-1%	0%	0%
Dry		2%	5%	93%	5%	-1%	6%	3%	1%	0%	-1%	0%	1%
Critical		0%	-4%	3%	2%	11%	-5%	0%	-1%	-2%	-2%	-3%	-3%

Energy Use (GWh) At Pumping Plant at Badger Hill: CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	1.87	1.36	1.32	0.45	1.01	2.49	2.83	3.53	4.35	4.50	3.90	2.91	31
1923	Below Normal	1.98	1.70	1.39	1.41	1.37	2.18	2.56	3.24	4.01	4.15	3.58	2.66	30
1924	Critical	1.80	1.53	1.25	0.14	0.13	0.22	0.41	0.48	1.03	1.08	0.99	0.42	9
1925	Dry	0.23	0.21	0.30	0.35	0.36	0.48	1.23	1.63	2.43	2.57	2.32	1.42	14
1926	Dry	0.70	0.56	0.66	0.23	0.64	1.32	1.77	3.05	3.76	3.88	3.36	2.51	22
1927	Wet	1.71	1.47	1.20	0.39	1.23	2.49	2.83	3.53	4.36	4.51	3.90	2.92	31
1928	Above Normal	1.99	1.70	1.39	0.73	1.10	1.54	2.25	2.81	3.48	3.60	3.11	2.32	26
1929	Critical	1.57	1.34	1.10	0.22	0.22	0.38	0.86	1.02	2.15	2.26	2.07	0.89	14
1930	Dry	0.48	0.44	0.64	0.18	0.63	0.81	1.52	2.85	3.43	3.63	3.23	2.46	20
1931	Critical	1.16	0.86	0.83	0.17	0.24	0.36	0.84	0.99	2.09	2.19	2.01	0.87	13
1932	Dry	0.47	0.43	0.63	0.21	0.60	0.70	1.00	1.57	2.38	2.51	2.27	1.37	14
1933	Critical	0.66	0.53	0.62	0.20	0.56	0.70	1.11	2.08	2.52	2.67	2.38	1.80	16
1934	Critical	0.84	0.61	0.60	0.23	0.48	0.50	1.16	2.18	2.62	2.78	2.47	1.89	16
1935	Below Normal	0.87	0.64	0.62	0.13	0.34	0.76	2.16	3.96	4.87	5.03	4.36	3.28	27
1936	Below Normal	2.25	1.94	1.60	0.09	0.24	2.38	2.80	3.49	4.29	4.43	3.85	2.89	30
1937	Below Normal	1.98	1.70	1.40	0.14	0.25	1.35	2.70	3.36	4.13	4.27	3.70	2.78	28
1938	Wet	1.91	1.64	1.35	1.20	1.37	2.39	2.92	3.40	4.21	4.35	3.77	2.80	31
1939	Dry	1.90	1.62	1.32	1.53	1.25	1.88	2.31	2.89	3.58	3.71	3.20	2.38	28
1940	Above Normal	1.60	1.37	1.11	0.09	0.23	2.42	2.96	3.68	4.52	4.68	4.06	3.05	30
1941	Wet	2.09	1.80	1.48	0.78	1.40	2.23	2.76	3.45	4.26	4.41	3.81	2.84	31
1942	Wet	1.93	1.65	1.34	1.27	1.57	2.39	2.71	3.39	4.20	4.35	3.76	2.79	31
1943	Wet	1.89	1.61	1.31	1.50	1.57	2.14	2.50	2.88	3.57	3.69	3.19	2.37	28
1944	Dry	1.59	1.36	1.10	0.40	0.63	1.94	2.60	3.24	4.00	4.13	3.58	2.68	27
1945	Below Normal	1.83	1.57	1.28	0.34	0.37	1.84	2.60	3.24	3.99	4.13	3.58	2.68	27
1946	Below Normal	1.83	1.57	1.29	1.35	1.37	1.96	2.51	3.14	3.89	4.02	3.48	2.58	29
1947	Dry	1.74	1.49	1.21	0.29	0.27	0.51	2.21	2.75	3.39	3.50	3.03	2.27	23
1948	Below Normal	1.55	1.33	1.10	0.10	0.14	0.20	0.99	3.28	4.03	4.17	3.62	2.72	23
1949	Dry	1.87	1.61	1.33	0.21	0.20	0.29	1.24	2.31	2.78	2.95	2.63	2.00	19
1950	Below Normal	0.94	0.70	0.67	0.12	0.27	0.87	2.55	3.16	3.89	4.02	3.49	2.62	23
1951	Above Normal	1.80	1.54	1.27	1.25	1.58	2.39	2.71	3.40	4.20	4.35	3.76	2.80	31
1952	Wet	1.89	1.61	1.31	1.41	1.37	2.38	2.90	3.58	4.18	4.33	3.74	2.78	31
1953	Wet	1.88	1.80	1.50	1.61	1.37	2.11	2.68	3.35	4.15	4.29	3.71	2.76	31
1954	Above Normal	1.87	1.59	1.30	1.07	1.19	1.98	2.78	3.47	4.29	4.43	3.84	2.86	31
1955	Dry	1.94	1.66	1.35	0.26	0.38	0.49	1.01	1.90	2.48	2.62	2.35	1.65	18
1956	Wet	0.78	0.59	0.61	1.26	1.58	2.39	2.71	3.39	4.20	4.35	3.76	2.79	28
1957	Above Normal	1.89	1.61	1.31	1.07	1.13	1.63	2.16	2.70	3.34	3.45	2.99	2.22	26
1958	Wet	1.50	1.28	1.04	1.23	1.48	2.31	2.96	3.44	4.26	4.41	3.81	2.84	31
1959	Below Normal	1.93	1.65	1.34	1.49	1.41	1.99	2.30	2.88	3.57	3.70	3.20	2.37	28
1960	Dry	1.60	1.37	1.11	0.10	0.12	0.47	1.81	2.85	3.45	3.62	3.20	2.43	22
1961	Dry	1.33	1.06	0.95	0.24	0.51	0.74	1.72	2.82	3.41	3.59	3.18	2.41	22
1962	Below Normal	1.27	0.99	0.90	0.14	0.15	1.70	2.80	3.48	4.28	4.42	3.84	2.89	27
1963	Wet	1.98	1.70	1.40	1.07	1.28	1.75	2.52	3.52	4.36	4.51	3.90	2.91	31
1964	Dry	1.97	1.69	1.38	0.47	1.18	1.14	1.79	2.51	3.08	3.21	2.80	2.10	23
1965	Wet	1.27	1.04	0.88	1.21	1.55	1.78	2.26	2.58	3.20	3.31	2.86	2.12	24
1966	Below Normal	1.43	1.21	0.98	1.38	1.57	2.38	2.62	3.28	4.06	4.20	3.63	2.70	29
1967	Wet	1.82	1.56	1.27	0.59	1.61	2.44	2.78	3.67	4.29	4.43	3.84	2.86	31
1968	Below Normal	1.94	1.86	1.55	1.60	1.57	2.06	2.38	2.98	3.69	3.82	3.30	2.45	29
1969	Wet	1.65	1.41	1.14	0.59	1.61	2.44	2.98	3.58	4.28	4.43	3.83	2.86	31
1970	Wet	1.94	1.66	1.55	1.59	1.57	2.12	2.69	3.37	4.17	4.32	3.73	2.77	31
1971	Wet	1.88	1.60	1.30	1.32	1.37	1.82	2.75	3.43	4.25	4.40	3.80	2.83	31
1972	Below Normal	1.91	1.63	1.33	0.61	1.02	1.44	1.49	2.56	3.11	3.28	2.90	2.20	24
1973	Above Normal	1.10	0.84	0.77	1.26	1.48	2.40	2.58	3.22	3.99	4.13	3.57	2.66	28
1974	Wet	1.80	1.54	1.25	1.41	1.57	2.36	2.70	3.38	4.19	4.33	3.74	2.78	31
1975	Wet	1.88	1.60	1.31	1.28	1.44	2.23	2.74	3.43	4.24	4.39	3.80	2.83	31
1976	Critical	1.91	1.64	1.33	1.19	1.08	1.66	1.95	2.44	3.03	3.13	2.70	2.01	24
1977	Critical	1.35	1.15	0.94	0.10	0.10	0.15	0.29	0.35	0.75	0.78	0.72	0.31	7
1978	Above Normal	0.16	0.15	0.22	0.30	0.94	2.10	3.14	3.85	4.50	4.65	4.03	3.03	27
1979	Below Normal	2.07	1.78	1.46	0.46	1.02	1.84	2.52	3.15	3.89	4.02	3.48	2.60	28
1980	Above Normal	1.77	1.51	1.24	0.99	1.08	2.16	2.61	3.01	3.72	3.85	3.33	2.48	28
1981	Dry	1.68	1.44	1.17	1.20	1.25	2.10	2.40	3.00	3.71	3.84	3.32	2.47	28
1982	Wet	1.67	1.42	1.16	1.41	1.37	2.38	2.70	3.38	4.18	4.33	3.74	2.78	31
1983	Wet	1.88	1.60	1.50	1.61	1.57	2.38	2.90	3.58	4.38	4.53	3.74	2.78	32
1984	Wet	2.08	1.80	1.50	1.61	1.57	2.38	2.70	3.38	4.18	4.33	3.74	2.78	32
1985	Dry	1.88	1.60	1.30	1.07	1.01	1.66	2.50	3.12	3.86	3.99	3.46	2.58	28
1986	Wet	1.75	1.50	1.22	0.12	0.23	2.36	2.34	2.66	3.28	3.39	2.94	2.21	24
1987	Dry	1.51	1.30	1.06	0.96	1.01	1.52	2.09	2.62	3.24	3.35	2.90	2.16	24
1988	Critical	1.46	1.25	1.02	0.20	0.37	0.38	0.72	0.86	1.83	1.92	1.76	0.75	12
1989	Dry	0.40	0.36	0.53	0.23	0.29	0.62	2.77	3.44	4.23	4.37	3.79	2.85	24
1990	Critical	1.96	1.68	1.39	0.10	0.14	0.29	0.75	0.89	1.86	1.95	1.79	0.78	14
1991	Critical	0.43	0.39	0.57	0.08	0.08	0.13	0.68	0.81	1.68	1.76	1.61	0.71	9
1992	Critical	0.39	0.36	0.52	0.12	0.11	0.58	1.08	1.79	2.50	2.64	2.38	1.55	14
1993	Above Normal	0.76	0.60	0.66	0.19	1.25	2.49	2.83	3.53	4.35	4.50	3.90	2.92	28
1994	Critical	1.99	1.70	1.40	1.00	0.96	1.67	1.58	2.44	2.99	3.13	2.75	2.07	24
1995	Wet	1.14	0.90	0.79	0.15	1.45	2.25	2.84	3.54	4.37	4.52	3.92	2.93	29
1996	Wet	2.00	1.71	1.60	1.61	1.56	2.21	2.45	3.17	3.92	4.06	3.51	2.60	30
1997	Wet	1.76	1.50	1.22	1.41	1.57	1.88	1.95	2.45	3.04	3.15	2.71	2.01	25
1998	Wet	1.35	1.15	0.93	1.22	1.58	2.39	2.92	3.40	4.21	4.35	3.76	2.80	30
1999	Wet	1.89	1.82	1.52	1.61	1.41	2.39	2.53	3.16	3.91	4.05	3.50	2.60	30
2000	Above Normal	1.76	1.50	1.22	0.49	1.20	2.47	2.81	3.50	4.33	4.47	3.87	2.89	31
2001	Dry	1.97	1.68	1.37	0.22	0.27	0.78	1.31	2.47	2.97	3.15	2.80	2.14	21
2002	Dry	0.99	0.73	0.71	0.43	0.96	0.60	2.01	2.56	3.15	3.27	2.83	2.11	20
2003	Above Normal	1.40	1.19	0.98	0.87	1.16	1.28	2.42	3.65	4.51	4.66	4.04	3.02	29
Average		2	1	1	1	1	2	2	3	4	4	3	2	25
Wet		2	1	1	1	1	2	3	3	4	4	4	3	30
Above Normal		1	1	1	1	1	2	3	3	4	4	4	3	29
Below Normal		2	1	1	1	1	2	2	3	4	4	4	3	27
Dry		1	1	1	0	1	1	2	3	3	3	3	2	22
Critical		1	1	1	0	0	1	1	1	2	2	2	1	14

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Energy Use (GWh) At Pumping Plant at Badger Hill: CP1_2020

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	1.87	1.36	1.32	0.54	1.05	2.48	2.82	3.51	4.34	4.49	3.88	2.90	31
1923	Below Normal	1.97	1.69	1.38	1.41	1.37	2.18	2.55	3.33	4.13	4.27	3.69	2.74	31
1924	Critical	1.85	1.58	1.29	0.13	0.13	0.24	0.42	0.50	1.07	1.12	1.03	0.44	10
1925	Dry	0.24	0.22	0.31	0.35	0.40	0.50	1.28	1.88	2.50	2.64	2.37	1.63	14
1926	Dry	0.78	0.60	0.63	0.24	0.63	1.69	1.71	3.01	3.72	3.84	3.33	2.49	23
1927	Wet	1.70	1.45	1.19	0.39	1.29	2.49	2.83	3.53	4.35	4.50	3.90	2.91	31
1928	Above Normal	1.98	1.70	1.39	1.13	1.21	1.79	2.21	2.76	3.42	3.54	3.06	2.27	26
1929	Critical	1.53	1.31	1.06	0.22	0.22	0.38	0.86	1.02	2.16	2.27	2.08	0.90	14
1930	Dry	0.49	0.44	0.64	0.19	0.44	0.84	1.82	2.75	3.35	3.51	3.09	2.34	20
1931	Critical	1.32	1.06	0.93	0.16	0.22	0.33	0.76	0.91	1.91	2.01	1.84	0.80	12
1932	Dry	0.43	0.39	0.57	0.21	0.59	0.69	0.96	1.40	2.33	2.45	2.23	1.22	13
1933	Critical	0.61	0.50	0.63	0.21	0.55	0.68	1.07	1.89	2.48	2.62	2.35	1.64	15
1934	Critical	0.78	0.59	0.61	0.23	0.48	0.50	1.15	2.16	2.60	2.76	2.46	1.87	16
1935	Below Normal	0.87	0.64	0.62	0.13	0.34	0.76	2.31	3.94	4.84	5.00	4.34	3.26	27
1936	Below Normal	2.24	1.93	1.59	0.09	0.24	2.40	2.81	3.50	4.30	4.45	3.86	2.90	30
1937	Below Normal	1.99	1.71	1.41	0.15	0.25	1.89	2.87	3.32	4.08	4.22	3.66	2.75	28
1938	Wet	1.88	1.62	1.33	1.23	1.38	2.39	2.92	3.40	4.20	4.35	3.76	2.80	31
1939	Dry	1.89	1.62	1.32	1.53	1.26	1.90	2.33	2.92	3.61	3.74	3.23	2.40	28
1940	Above Normal	1.62	1.38	1.12	0.07	0.22	2.38	2.96	3.68	4.53	4.69	4.07	3.06	30
1941	Wet	2.10	1.80	1.48	1.01	1.39	2.21	2.74	3.42	4.23	4.38	3.79	2.82	31
1942	Wet	1.91	1.63	1.33	1.29	1.57	2.39	2.71	3.39	4.20	4.34	3.76	2.79	31
1943	Wet	1.89	1.61	1.31	1.51	1.57	2.15	2.52	2.91	3.61	3.73	3.22	2.39	28
1944	Dry	1.61	1.37	1.12	0.40	0.88	1.89	2.54	3.17	3.92	4.05	3.51	2.62	27
1945	Below Normal	1.79	1.53	1.25	0.34	0.38	1.89	2.64	3.28	4.04	4.18	3.62	2.71	28
1946	Below Normal	1.86	1.59	1.31	1.36	1.37	1.98	2.51	3.14	3.88	4.02	3.47	2.58	29
1947	Dry	1.74	1.49	1.21	0.29	0.27	0.71	2.35	2.92	3.60	3.72	3.22	2.42	24
1948	Below Normal	1.65	1.42	1.17	0.08	0.14	0.19	0.86	3.23	3.96	4.09	3.56	2.68	23
1949	Dry	1.84	1.59	1.31	0.20	0.19	0.27	1.17	2.18	2.62	2.78	2.48	1.89	19
1950	Below Normal	0.89	0.66	0.63	0.12	0.28	1.12	2.61	3.24	3.99	4.12	3.58	2.69	24
1951	Above Normal	1.84	1.58	1.30	1.26	1.38	2.39	2.71	3.39	4.20	4.35	3.76	2.79	31
1952	Wet	1.89	1.61	1.31	1.41	1.37	2.38	2.90	3.58	4.18	4.33	3.74	2.78	31
1953	Wet	1.88	1.80	1.50	1.61	1.37	2.12	2.69	3.36	4.16	4.30	3.72	2.77	31
1954	Above Normal	1.87	1.60	1.30	1.11	1.20	2.19	2.77	3.46	4.28	4.42	3.83	2.85	31
1955	Dry	1.94	1.65	1.35	0.27	0.39	0.50	1.08	2.16	2.61	2.76	2.46	1.87	19
1956	Wet	0.87	0.63	0.61	1.25	1.58	2.39	2.71	3.39	4.20	4.35	3.76	2.80	29
1957	Above Normal	1.89	1.62	1.32	1.10	1.15	1.69	2.21	2.77	3.42	3.54	3.06	2.28	26
1958	Wet	1.54	1.31	1.07	1.25	1.47	2.29	2.96	3.44	4.26	4.41	3.81	2.84	31
1959	Below Normal	1.93	1.65	1.34	1.50	1.42	2.00	2.33	2.92	3.62	3.75	3.24	2.40	28
1960	Dry	1.62	1.38	1.13	0.10	0.14	0.47	2.19	2.72	3.34	3.45	3.00	2.26	22
1961	Dry	1.55	1.33	1.10	0.22	0.23	0.69	1.83	2.80	3.40	3.57	3.14	2.38	22
1962	Below Normal	1.34	1.07	0.95	0.11	0.11	0.92	2.63	3.27	4.02	4.15	3.60	2.71	25
1963	Wet	1.86	1.60	1.32	1.08	1.26	1.87	2.63	3.50	4.32	4.47	3.87	2.88	31
1964	Dry	1.96	1.67	1.37	0.95	1.18	1.54	1.94	2.43	3.01	3.12	2.69	2.00	24
1965	Wet	1.35	1.15	0.94	1.21	1.53	1.82	2.32	2.65	3.29	3.40	2.94	2.18	25
1966	Below Normal	1.47	1.25	1.01	1.35	1.43	2.38	2.63	3.30	4.08	4.22	3.65	2.71	29
1967	Wet	1.83	1.56	1.27	0.79	1.40	2.43	2.76	3.45	4.26	4.41	3.81	2.84	31
1968	Below Normal	1.93	1.85	1.54	1.61	1.57	2.08	2.40	3.01	3.73	3.86	3.33	2.47	29
1969	Wet	1.67	1.42	1.15	0.77	1.60	2.43	2.96	3.65	4.26	4.41	3.81	2.84	31
1970	Wet	1.93	1.65	1.54	1.59	1.57	2.14	2.70	3.38	4.18	4.33	3.74	2.78	32
1971	Wet	1.88	1.60	1.31	1.33	1.37	1.85	2.74	3.43	4.24	4.39	3.80	2.82	31
1972	Below Normal	1.91	1.63	1.33	0.94	1.03	1.58	1.69	2.42	2.97	3.10	2.70	2.03	23
1973	Above Normal	1.20	0.98	0.84	1.27	1.49	2.40	2.59	3.23	4.00	4.14	3.58	2.66	28
1974	Wet	1.80	1.54	1.26	1.41	1.57	2.38	2.70	3.38	4.18	4.33	3.74	2.78	31
1975	Wet	1.88	1.60	1.30	1.28	1.45	2.23	2.74	3.43	4.24	4.39	3.79	2.82	31
1976	Critical	1.91	1.63	1.33	1.20	1.31	1.96	2.12	2.65	3.28	3.39	2.93	2.18	26
1977	Critical	1.47	1.25	1.02	0.10	0.09	0.12	0.23	0.27	0.58	0.60	0.55	0.24	7
1978	Above Normal	0.12	0.11	0.16	0.29	0.68	1.93	3.12	3.72	4.58	4.73	4.10	3.08	27
1979	Below Normal	2.11	1.82	1.49	0.41	1.06	1.87	2.54	3.17	3.91	4.05	3.50	2.62	29
1980	Above Normal	1.78	1.52	1.25	1.06	1.10	2.16	2.63	3.04	3.75	3.89	3.36	2.50	28
1981	Dry	1.70	1.45	1.18	1.21	1.25	2.11	2.42	3.03	3.75	3.88	3.36	2.50	28
1982	Wet	1.69	1.44	1.17	1.41	1.37	2.38	2.70	3.38	4.18	4.33	3.74	2.78	31
1983	Wet	1.88	1.60	1.50	1.61	1.57	2.38	2.90	3.58	4.38	4.53	3.74	2.78	32
1984	Wet	2.08	1.80	1.50	1.61	1.57	2.38	2.70	3.38	4.18	4.33	3.74	2.78	32
1985	Dry	1.88	1.60	1.30	1.07	1.01	1.66	2.43	3.03	3.75	3.88	3.35	2.50	27
1986	Wet	1.70	1.45	1.18	0.13	0.24	2.37	2.43	2.97	3.42	3.53	3.06	2.30	25
1987	Dry	1.57	1.35	1.11	1.04	1.03	1.57	2.12	2.65	3.27	3.39	2.93	2.18	24
1988	Critical	1.47	1.26	1.02	0.19	0.33	0.36	0.71	0.84	1.79	1.88	1.72	0.74	12
1989	Dry	0.39	0.36	0.52	0.23	0.26	0.59	2.80	3.48	4.28	4.43	3.84	2.89	24
1990	Critical	1.98	1.70	1.40	0.09	0.15	0.31	0.75	0.89	1.87	1.96	1.80	0.78	14
1991	Critical	0.43	0.39	0.57	0.07	0.07	0.11	0.71	0.84	1.74	1.83	1.68	0.74	9
1992	Critical	0.41	0.38	0.55	0.11	0.11	0.38	1.05	1.64	2.46	2.59	2.34	1.42	13
1993	Above Normal	0.71	0.57	0.68	0.19	1.26	2.49	2.83	3.53	4.35	4.50	3.90	2.92	28
1994	Critical	1.99	1.70	1.39	1.05	1.01	1.73	1.86	2.33	2.89	2.99	2.58	1.92	23
1995	Wet	1.29	1.10	0.90	0.16	1.44	1.97	2.85	3.55	4.38	4.53	3.92	2.93	29
1996	Wet	2.00	1.71	1.40	1.53	1.57	2.22	2.47	3.18	3.94	4.08	3.52	2.62	30
1997	Wet	1.77	1.51	1.23	1.41	1.57	1.92	2.03	2.55	3.17	3.28	2.83	2.09	25
1998	Wet	1.40	1.20	0.97	1.19	1.58	2.39	2.92	3.40	4.21	4.36	3.77	2.80	30
1999	Wet	1.90	1.82	1.52	1.61	1.42	2.39	2.53	3.17	3.92	4.06	3.51	2.61	30
2000	Above Normal	1.76	1.50	1.22	0.78	1.17	2.30	2.78	3.47	4.29	4.44	3.84	2.87	30
2001	Dry	1.95	1.66	1.36	0.22	0.26	0.77	1.34	2.51	3.02	3.20	2.85	2.18	21
2002	Dry	1.01	0.74	0.72	0.44	1.05	0.60	2.13	2.66	3.28	3.40	2.94	2.19	21
2003	Above Normal	1.48	1.27	1.04	1.01	1.14	1.50	2.32	3.62	4.46	4.62	4.00	2.99	29
Average		2	1	1	1	1	2	2	3	4	4	3	2	25
Wet		2	2	1	1	1	2	3	3	4	4	4	3	30
Above Normal		2	1	1	1	1	2	3	3	4	4	4	3	29
Below Normal		2	1	1	1	1	2	2	3	4	4	4	3	27
Dry		1	1	1	1	1	1	2	3	3	3	3	2	22
Critical		1	1	1	0	0	1	1	1	2	2	2	1	14

Difference in Energy Use (GWh) At Pumping Plant at Badger Hill: CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1927	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1928	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1932	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1935	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norm	0	0	0	0	0	1	0	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1940	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1945	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1946	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1947	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1948	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1949	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1951	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1957	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1961	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Norm	0	0	0	0	0	-1	0	0	0	0	0	0	0
1963	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1965	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1966	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1968	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norm		0	0	0	0	0	0	0	0	0	0	0	0	0
Below Norm		0	0	0	0	0	0	0	0	0	0	0	0	0
Dry		0	0	0	0	0	0	0	0	0	0	0	0	0
Critical		0	0	0	0	0	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at Badger Hill: CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norm	0%	0%	0%	20%	4%	0%	0%	0%	0%	0%	0%	0%
1923	Below Norm	-1%	-1%	-1%	0%	0%	0%	-1%	3%	3%	3%	3%	3%
1924	Critical	3%	3%	3%	-1%	-2%	9%	4%	4%	4%	4%	4%	4%
1925	Dry	4%	4%	4%	3%	11%	4%	4%	16%	3%	3%	2%	15%
1926	Dry	11%	6%	-4%	0%	0%	28%	-3%	-1%	-1%	-1%	-1%	-1%
1927	Wet	-1%	-1%	-1%	0%	4%	0%	0%	0%	0%	0%	0%	0%
1928	Above Norm	0%	0%	0%	54%	11%	16%	-2%	-2%	-2%	-2%	-2%	-2%
1929	Critical	-2%	-3%	-3%	1%	1%	1%	0%	0%	0%	0%	0%	0%
1930	Dry	0%	0%	0%	9%	-30%	4%	20%	-3%	-2%	-3%	-4%	-5%
1931	Critical	13%	23%	13%	-10%	-8%	-7%	-9%	-9%	-8%	-8%	-8%	-9%
1932	Dry	-9%	-9%	-9%	1%	-1%	-2%	-4%	-11%	-2%	-2%	-2%	-11%
1933	Critical	-8%	-5%	1%	2%	-2%	-2%	-3%	-9%	-2%	-2%	-1%	-9%
1934	Critical	-7%	-4%	3%	1%	0%	-1%	-1%	-1%	-1%	-1%	-1%	-1%
1935	Below Norm	-1%	-1%	-1%	4%	0%	0%	7%	-1%	-1%	-1%	-1%	-1%
1936	Below Norm	-1%	-1%	-1%	-5%	-1%	1%	0%	0%	0%	0%	0%	0%
1937	Below Norm	0%	0%	0%	10%	0%	39%	6%	-1%	-1%	-1%	-1%	-1%
1938	Wet	-1%	-1%	-1%	2%	0%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%	1%
1940	Above Norm	1%	1%	1%	-16%	-4%	-2%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	30%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%
1942	Wet	-1%	-1%	-1%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	1%	0%	1%	1%	1%	1%	1%	1%	1%
1944	Dry	1%	1%	1%	1%	40%	-3%	-2%	-2%	-2%	-2%	-2%	-2%
1945	Below Norm	-2%	-2%	-3%	1%	1%	3%	1%	1%	1%	1%	1%	1%
1946	Below Norm	1%	1%	1%	1%	0%	1%	0%	0%	0%	0%	0%	0%
1947	Dry	0%	0%	0%	0%	-2%	38%	6%	6%	6%	6%	6%	6%
1948	Below Norm	6%	6%	7%	-17%	-1%	-8%	-13%	-2%	-2%	-2%	-2%	-2%
1949	Dry	-2%	-1%	-1%	-7%	-6%	-6%	-6%	-6%	-6%	-6%	-6%	-6%
1950	Below Norm	-6%	-6%	-6%	2%	4%	28%	2%	2%	2%	3%	3%	3%
1951	Above Norm	3%	3%	2%	1%	-13%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1954	Above Norm	0%	0%	0%	4%	1%	11%	0%	0%	0%	0%	0%	0%
1955	Dry	0%	0%	0%	3%	2%	3%	7%	14%	5%	5%	5%	13%
1956	Wet	11%	8%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norm	0%	0%	0%	3%	1%	3%	3%	3%	3%	3%	3%	3%
1958	Wet	3%	3%	3%	2%	-1%	-1%	0%	0%	0%	0%	0%	0%
1959	Below Norm	0%	0%	0%	0%	1%	0%	1%	1%	1%	1%	1%	1%
1960	Dry	1%	1%	1%	-2%	9%	-1%	21%	-5%	-3%	-5%	-6%	-7%
1961	Dry	16%	26%	16%	-11%	-54%	-7%	7%	-1%	0%	-1%	-1%	-1%
1962	Below Norm	5%	8%	5%	-26%	-24%	-45%	-6%	-6%	-6%	-6%	-6%	-6%
1963	Wet	-6%	-6%	-6%	1%	-2%	7%	4%	-1%	-1%	-1%	-1%	-1%
1964	Dry	-1%	-1%	-1%	100%	0%	35%	8%	-3%	-2%	-3%	-4%	-5%
1965	Wet	6%	10%	6%	0%	-1%	2%	3%	3%	3%	3%	3%	3%
1966	Below Norm	3%	3%	3%	-2%	-9%	0%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	1%	1%	34%	-13%	-1%	-1%	-6%	-1%	-1%	-1%	-1%
1968	Below Norm	-1%	-1%	-1%	0%	0%	1%	1%	1%	1%	1%	1%	1%
1969	Wet	1%	1%	1%	29%	-1%	-1%	-1%	2%	-1%	-1%	-1%	-1%
1970	Wet	-1%	-1%	-1%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1972	Below Norm	0%	0%	0%	53%	1%	9%	13%	-6%	-5%	-6%	-7%	-8%
1973	Above Norm	9%	17%	9%	0%	1%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	1%	20%	18%	9%	8%	8%	8%	8%	9%
1977	Critical	9%	9%	9%	-6%	-8%	-21%	-24%	-23%	-23%	-23%	-23%	-24%
1978	Above Norm	-24%	-24%	-24%	-5%	-27%	-8%	-1%	-3%	2%	2%	2%	2%
1979	Below Norm	2%	2%	2%	-10%	3%	2%	1%	1%	1%	1%	1%	1%
1980	Above Norm	1%	1%	1%	6%	2%	0%	1%	1%	1%	1%	1%	1%
1981	Dry	1%	1%	1%	1%	0%	0%	1%	1%	1%	1%	1%	1%
1982	Wet	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	1%	0%	-3%	-3%	-3%	-3%	-3%	-3%
1986	Wet	-3%	-3%	-3%	8%	3%	1%	4%	12%	4%	4%	4%	4%
1987	Dry	4%	4%	4%	8%	2%	4%	1%	1%	1%	1%	1%	1%
1988	Critical	1%	1%	1%	-8%	-10%	-5%	-2%	-2%	-2%	-2%	-2%	-2%
1989	Dry	-1%	-1%	-1%	-3%	-10%	-5%	1%	1%	1%	1%	1%	1%
1990	Critical	1%	1%	1%	-5%	12%	6%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	0%	-13%	-13%	-13%	4%	4%	4%	4%	4%	4%
1992	Critical	5%	5%	5%	-3%	-2%	-35%	-3%	-8%	-2%	-2%	-1%	-8%
1993	Above Norm	-6%	-4%	2%	4%	1%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	5%	5%	3%	18%	-4%	-3%	-5%	-6%	-7%
1995	Wet	14%	22%	13%	10%	0%	-12%	0%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	-12%	-5%	1%	1%	1%	0%	0%	0%	0%	1%
1997	Wet	1%	1%	1%	0%	0%	2%	4%	4%	4%	4%	4%	4%
1998	Wet	4%	4%	4%	-2%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norm	0%	0%	0%	58%	-2%	-7%	-1%	-1%	-1%	-1%	-1%	-1%
2001	Dry	-1%	-1%	-1%	0%	-3%	0%	2%	2%	2%	2%	2%	2%
2002	Dry	2%	2%	2%	1%	9%	0%	6%	4%	4%	4%	4%	4%
2003	Above Norm	6%	7%	6%	17%	-2%	18%	-4%	-1%	-1%	-1%	-1%	-1%
Average		1%	1%	1%	4%	-1%	1%	1%	0%	0%	0%	0%	0%
Wet		1%	1%	0%	4%	0%	0%	1%	1%	0%	0%	0%	0%
Above Norm		-1%	0%	0%	12%	-2%	3%	0%	0%	0%	0%	0%	0%
Below Norm		1%	1%	1%	1%	-2%	2%	1%	0%	0%	0%	0%	0%
Dry		2%	2%	1%	6%	-2%	5%	4%	1%	0%	0%	0%	0%
Critical		1%	2%	3%	-3%	-1%	-4%	0%	-3%	-2%	-2%	-2%	-3%

Difference in Energy Use (GWh) At Pumping Plant at Buena Vista: CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	-3	1	0	-1	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	0	0	0	1	5	0
1924	Critical	3	1	1	1	0	0	0	1	1	1	1	1	1
1925	Dry	0	0	0	-7	0	1	0	-1	-1	0	2	2	0
1926	Dry	3	4	3	1	-4	12	-1	0	-1	-1	-1	-1	1
1927	Wet	-1	-1	-1	0	0	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	8	0	1	8	2	-2	-2	-2	-2	1
1929	Critical	-2	-2	-2	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	0	-2	0	5	1	-1	0	-2	-2	0
1931	Critical	3	3	7	7	6	2	-2	-3	-3	-3	-2	-2	1
1932	Dry	-1	-1	-1	0	0	0	0	0	0	0	-2	-2	0
1933	Critical	-2	-2	-1	-1	3	-1	0	1	1	0	-1	-1	0
1934	Critical	-2	-3	-2	0	2	0	0	0	0	0	0	0	-1
1935	Below Norma	0	0	0	0	0	0	2	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	-2	1	0	0	9	-1	-1	-1	-1	-1	-1	0
1938	Wet	-2	-2	-2	0	0	0	0	-1	0	0	0	0	0
1939	Dry	0	0	0	0	0	1	0	0	0	0	0	0	0
1940	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	5	0	0	0	0	0	0	0	-1	0
1942	Wet	-2	-1	-1	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	1	1	0	0
1944	Dry	0	0	0	0	13	0	-2	-2	-2	-2	-2	-2	0
1945	Below Norma	-2	-2	-2	0	3	-5	0	1	1	1	1	1	0
1946	Below Norma	1	1	1	0	0	0	0	0	1	0	0	0	0
1947	Dry	0	0	0	0	0	4	3	3	3	3	3	3	2
1948	Below Norma	3	3	3	0	0	0	-2	-1	-1	-1	-1	-1	0
1949	Dry	-1	-1	-1	0	0	0	-2	-2	-2	-2	-2	-2	-1
1950	Below Norma	-2	-2	-1	0	0	2	1	1	1	1	1	1	0
1951	Above Norma	1	1	1	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	-2	0	0
1955	Dry	0	0	0	0	0	1	-1	1	1	1	3	3	1
1956	Wet	3	4	3	0	0	0	0	0	0	0	0	0	1
1957	Above Norma	0	0	0	0	0	0	2	2	1	1	1	1	1
1958	Wet	1	1	1	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	1	1	1	1	1	1	1	0
1960	Dry	1	1	1	0	0	0	7	1	-1	-1	-4	-3	0
1961	Dry	4	4	9	9	-2	-5	2	1	0	0	0	0	2
1962	Below Norma	1	1	3	2	2	-22	-6	-2	-2	-2	-2	-2	-2
1963	Wet	-3	-3	-2	-1	0	0	0	0	0	-2	-1	0	-1
1964	Dry	0	0	0	18	0	6	9	-4	-14	0	-1	-1	1
1965	Wet	2	2	4	2	0	1	1	1	1	1	1	1	1
1966	Below Norma	1	1	1	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	9	0	0	-1	-1	-1	-1	-1	-1	0
1968	Below Norma	-1	-1	0	0	0	0	0	1	1	1	1	0	0
1969	Wet	0	0	0	8	0	0	-1	0	-1	-1	-1	-1	0
1970	Wet	-1	-1	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	3	-1	0
1972	Below Norma	-1	-1	0	12	0	2	5	-1	-3	-2	-4	-3	0
1973	Above Norma	1	1	4	0	0	0	0	0	0	0	0	0	1
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	-6	-13	3	3	3	3	3	0
1977	Critical	3	3	3	2	1	0	-2	-3	-3	-3	-2	-2	0
1978	Above Norma	-1	-1	-1	23	-6	0	0	1	0	1	1	1	2
1979	Below Norma	2	2	4	-5	-2	-2	0	0	0	0	0	0	0
1980	Above Norma	0	0	0	1	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	1	1	1	1	1	1	0
1982	Wet	1	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	-3	-2	1	-2	-2	-1
1986	Wet	-2	-2	-2	-1	3	0	2	2	2	2	2	2	1
1987	Dry	2	2	2	2	0	4	0	0	0	0	0	0	1
1988	Critical	0	0	0	0	0	0	0	-1	-1	-1	0	0	0
1989	Dry	0	0	0	0	0	-2	0	0	0	0	0	0	0
1990	Critical	1	1	1	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	1	1	1	1	1	1	0
1992	Critical	0	0	0	0	0	-6	4	0	0	0	-1	-1	0
1993	Above Norma	-2	-2	-1	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	1	1	2	5	0	-1	-1	-2	-2	0
1995	Wet	3	3	7	8	0	-1	2	4	1	4	3	2	3
1996	Wet	2	0	-9	0	0	0	0	1	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	2	2	2	2	2	2	1
1998	Wet	2	1	1	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	13	0	0	2	3	1	2	0	-1	2
2001	Dry	-1	-1	-1	0	0	0	0	1	1	1	1	1	0
2002	Dry	1	1	0	0	4	0	2	2	2	2	1	1	1
2003	Above Norma	2	2	2	8	0	8	-3	-1	-3	1	0	0	1
Average		0	0	0	2	0	0	0	0	0	0	0	0	0
Wet		0	0	0	1	0	0	0	0	0	0	0	0	0
Above Norma		0	0	0	5	0	1	1	1	0	0	0	0	1
Below Norma		0	0	0	1	0	-1	0	0	0	0	0	0	0
Dry		0	0	1	1	0	1	1	0	-1	0	0	0	0
Critical		0	0	1	1	1	-1	-1	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at Buena Vista: CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	166%	4%	0%	-1%	-1%	-1%	-1%	-1%	-1%
1923	Below Norma	-1%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%	2%	10%
1924	Critical	6%	3%	3%	2%	2%	2%	3%	4%	4%	4%	4%	4%
1925	Dry	4%	4%	4%	-30%	1%	22%	0%	-2%	-2%	0%	6%	6%
1926	Dry	15%	25%	23%	10%	-10%	47%	-3%	0%	-2%	-2%	-2%	-2%
1927	Wet	-2%	-2%	-2%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1928	Above Norma	0%	0%	0%	19%	0%	2%	17%	4%	-4%	-4%	-4%	-4%
1929	Critical	-5%	-5%	-5%	1%	1%	1%	0%	0%	0%	0%	0%	0%
1930	Dry	0%	0%	0%	1%	-13%	0%	15%	2%	-2%	0%	-3%	-3%
1931	Critical	8%	9%	29%	74%	72%	32%	-7%	-8%	-8%	-8%	-8%	-8%
1932	Dry	-9%	-8%	-8%	-6%	-1%	-2%	1%	1%	1%	0%	-4%	-5%
1933	Critical	-10%	-16%	-9%	-18%	20%	-2%	2%	2%	0%	-3%	-4%	-4%
1934	Critical	-9%	-13%	-12%	-5%	11%	-3%	-1%	-1%	-1%	-1%	-1%	-1%
1935	Below Norma	-1%	-1%	-1%	0%	0%	0%	4%	0%	0%	0%	0%	0%
1936	Below Norma	0%	1%	-1%	-1%	0%	0%	1%	0%	0%	0%	0%	0%
1937	Below Norma	1%	-3%	3%	4%	0%	21%	-3%	-3%	-2%	-2%	-2%	-2%
1938	Wet	-3%	-3%	-3%	1%	0%	0%	0%	-1%	0%	0%	0%	0%
1939	Dry	0%	0%	1%	0%	-1%	1%	1%	1%	1%	1%	1%	1%
1940	Above Norma	1%	1%	1%	-2%	0%	-1%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	11%	0%	0%	0%	0%	0%	0%	0%	-1%
1942	Wet	-4%	-2%	-2%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%
1944	Dry	1%	1%	1%	1%	37%	0%	-4%	-4%	-4%	-4%	-4%	-4%
1945	Below Norma	-4%	-5%	-5%	-1%	8%	-10%	0%	1%	1%	1%	1%	1%
1946	Below Norma	1%	1%	1%	0%	0%	0%	0%	2%	1%	0%	0%	0%
1947	Dry	0%	0%	0%	0%	0%	19%	6%	6%	6%	6%	6%	6%
1948	Below Norma	6%	7%	7%	2%	3%	1%	-6%	-2%	-2%	-2%	-2%	-2%
1949	Dry	-2%	-2%	-2%	-1%	-1%	-1%	-5%	-5%	-5%	-5%	-5%	-5%
1950	Below Norma	-6%	-6%	-7%	-4%	-2%	6%	2%	2%	2%	2%	2%	2%
1951	Above Norma	2%	2%	2%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Norma	0%	0%	0%	1%	0%	0%	0%	0%	0%	-1%	-3%	0%
1955	Dry	0%	0%	0%	0%	0%	5%	-2%	2%	2%	3%	7%	8%
1956	Wet	14%	19%	19%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norma	0%	0%	0%	1%	0%	0%	3%	6%	2%	2%	2%	2%
1958	Wet	3%	3%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	-1%	0%	0%	2%	1%	1%	1%	1%	1%	1%
1960	Dry	1%	1%	1%	1%	1%	0%	18%	2%	-3%	-1%	-7%	-6%
1961	Dry	10%	12%	32%	58%	-7%	-15%	6%	1%	0%	0%	-1%	-1%
1962	Below Norma	3%	4%	10%	16%	17%	-48%	-11%	-4%	-3%	-3%	-3%	-3%
1963	Wet	-5%	-5%	-4%	-2%	0%	0%	0%	0%	0%	-3%	-2%	-1%
1964	Dry	-1%	-1%	-1%	57%	0%	12%	-23%	-9%	-34%	0%	-3%	-2%
1965	Wet	5%	6%	15%	4%	0%	2%	3%	3%	3%	3%	3%	3%
1966	Below Norma	3%	3%	3%	0%	0%	0%	0%	0%	0%	0%	1%	1%
1967	Wet	1%	1%	1%	26%	0%	0%	-1%	-2%	-1%	-1%	-2%	-2%
1968	Below Norma	-2%	-1%	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%
1969	Wet	1%	1%	1%	25%	0%	0%	-1%	0%	-1%	-1%	-1%	-1%
1970	Wet	-1%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	6%	-1%
1972	Below Norma	-2%	-2%	-1%	31%	0%	4%	17%	-4%	-7%	-5%	-8%	-8%
1973	Above Norma	2%	3%	19%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	-11%	-25%	8%	9%	9%	9%	9%
1977	Critical	9%	10%	10%	7%	7%	4%	-16%	-19%	-20%	-19%	-19%	-19%
1978	Above Norma	-20%	-21%	-20%	123%	-14%	0%	0%	1%	0%	2%	2%	1%
1979	Below Norma	4%	5%	7%	-31%	-5%	-4%	0%	0%	0%	0%	0%	0%
1980	Above Norma	0%	0%	1%	1%	0%	0%	-1%	1%	1%	1%	1%	1%
1981	Dry	1%	1%	1%	0%	0%	0%	1%	1%	1%	1%	1%	1%
1982	Wet	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	-1%	-5%	-3%	3%	-5%	-4%
1986	Wet	-4%	-4%	-5%	-2%	8%	0%	3%	4%	4%	4%	4%	4%
1987	Dry	4%	4%	4%	5%	1%	8%	1%	1%	1%	1%	1%	1%
1988	Critical	1%	1%	1%	1%	-1%	0%	-2%	-2%	-2%	-2%	-2%	-2%
1989	Dry	-2%	-2%	-2%	-2%	-9%	-17%	0%	1%	0%	1%	1%	1%
1990	Critical	1%	1%	2%	-5%	-1%	1%	0%	0%	0%	0%	0%	0%
1991	Critical	1%	0%	0%	0%	-2%	-5%	3%	4%	4%	4%	4%	4%
1992	Critical	4%	4%	4%	3%	2%	-60%	17%	1%	1%	0%	-4%	-4%
1993	Above Norma	-8%	-13%	-12%	-6%	0%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	3%	1%	4%	14%	1%	-3%	-2%	-6%	-5%
1995	Wet	9%	10%	30%	49%	0%	-2%	3%	8%	2%	6%	5%	3%
1996	Wet	3%	1%	-16%	0%	0%	0%	0%	2%	1%	1%	1%	1%
1997	Wet	1%	1%	1%	0%	0%	0%	4%	4%	4%	4%	4%	4%
1998	Wet	5%	5%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norma	0%	0%	0%	43%	0%	0%	4%	5%	1%	3%	0%	-2%
2001	Dry	-2%	-2%	-2%	0%	0%	0%	2%	2%	2%	2%	2%	2%
2002	Dry	2%	2%	2%	1%	10%	0%	5%	4%	4%	4%	3%	3%
2003	Above Norma	5%	5%	7%	20%	0%	18%	-5%	-1%	-5%	2%	1%	0%
Average		0%	0%	2%	8%	2%	0%	1%	0%	-1%	0%	0%	0%
Wet		1%	1%	2%	4%	0%	0%	0%	1%	0%	1%	1%	0%
Above Norma		-1%	-2%	0%	31%	-1%	2%	1%	1%	0%	0%	0%	0%
Below Norma		0%	0%	1%	1%	1%	-2%	1%	0%	0%	0%	0%	0%
Dry		1%	2%	3%	5%	0%	4%	4%	0%	-2%	0%	0%	0%
Critical		1%	-1%	2%	5%	9%	-3%	-1%	-1%	-1%	-1%	-2%	-2%

Difference in Energy Use (GWh) At Pumping Plant at Chrisman: CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norm	0	0	0	8	3	0	-1	-1	-1	-1	-1	-1	0
1923	Below Norm	-1	-1	-1	0	0	0	0	0	0	0	3	13	1
1924	Critical	7	4	4	1	1	1	1	2	2	2	1	1	2
1925	Dry	1	0	0	-18	1	2	0	-2	-2	0	6	6	-1
1926	Dry	8	10	7	2	-11	31	-3	0	-3	-3	-3	-3	3
1927	Wet	-3	-3	-3	1	0	0	0	0	0	0	0	0	-1
1928	Above Norm	0	0	0	21	0	2	22	5	-5	-5	-5	-5	2
1929	Critical	-5	-5	-5	1	1	0	0	0	0	0	0	0	-1
1930	Dry	0	0	0	0	-5	0	14	3	-1	1	-4	-3	0
1931	Critical	8	8	17	18	16	6	-5	-7	-7	-7	-5	-5	3
1932	Dry	-3	-2	-1	0	-1	-1	1	1	1	-1	-4	-4	-1
1933	Critical	-5	-6	-3	-3	9	-2	1	2	2	0	-4	-4	-1
1934	Critical	-6	-8	-5	-1	5	0	0	-1	-1	-1	-1	-1	-2
1935	Below Norm	0	0	0	0	0	0	5	0	0	0	0	0	0
1936	Below Norm	0	1	-1	0	0	0	1	0	0	0	0	0	0
1937	Below Norm	1	-4	3	0	0	25	-4	-4	-4	-4	-3	-3	0
1938	Wet	-4	-4	-4	1	0	0	0	-2	0	0	0	0	-1
1939	Dry	0	0	1	0	-1	2	1	1	1	1	1	1	1
1940	Above Norm	1	1	1	-1	-1	0	-1	0	0	0	0	0	0
1941	Wet	0	0	1	13	0	0	0	0	0	0	0	-2	1
1942	Wet	-6	-2	-2	0	0	0	0	0	0	0	0	0	-1
1943	Wet	0	0	0	0	0	0	1	1	1	1	1	1	1
1944	Dry	1	1	1	1	34	1	-6	-6	-6	-6	-6	-6	0
1945	Below Norm	-6	-5	-5	-1	7	-14	1	2	2	2	2	2	-1
1946	Below Norm	2	1	1	0	0	0	0	0	2	1	0	0	1
1947	Dry	0	0	0	0	0	12	7	7	7	7	8	7	5
1948	Below Norm	7	7	7	1	1	0	-4	-3	-3	-3	-3	-3	0
1949	Dry	-3	-2	-2	-1	-1	0	-4	-5	-5	-5	-6	-6	-3
1950	Below Norm	-4	-4	-3	-1	0	5	3	3	3	3	3	3	1
1951	Above Norm	3	3	3	1	0	0	0	0	0	0	0	0	1
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norm	0	0	0	1	0	1	0	0	-1	-4	-1	0	0
1955	Dry	-1	0	0	0	0	2	-2	1	1	3	7	7	2
1956	Wet	8	10	7	1	0	0	0	0	0	0	0	0	2
1957	Above Norm	0	0	0	1	0	0	5	6	3	3	3	3	2
1958	Wet	3	2	2	0	0	0	0	0	0	0	0	0	1
1959	Below Norm	0	0	-1	0	0	2	1	2	2	2	2	2	1
1960	Dry	2	1	1	1	1	0	20	5	-2	0	-8	-7	1
1961	Dry	11	11	25	23	-4	-14	5	2	0	1	-1	0	5
1962	Below Norm	3	3	7	6	5	-59	-16	-5	-4	-5	-4	-4	-6
1963	Wet	-7	-7	-5	-2	0	0	0	0	0	-5	-4	-1	-3
1964	Dry	-1	-1	-1	47	0	16	24	-9	-36	1	-3	-2	3
1965	Wet	5	5	11	5	0	2	3	3	3	3	3	3	4
1966	Below Norm	3	3	3	0	0	0	1	1	1	1	1	1	1
1967	Wet	1	1	1	24	0	0	-2	-2	-2	-2	-2	-2	1
1968	Below Norm	-2	-2	0	0	0	0	1	1	1	1	1	1	0
1969	Wet	1	1	1	22	0	0	-2	-1	-2	-2	-2	-2	1
1970	Wet	-2	-2	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	8	-2	1
1972	Below Norm	-3	-2	-1	31	0	6	15	-2	-6	-5	-9	-8	1
1973	Above Norm	2	2	10	0	0	0	0	0	0	0	0	0	1
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	-17	-34	9	8	9	9	8	-1
1977	Critical	8	8	8	4	4	1	-5	-7	-7	-6	-5	-5	0
1978	Above Norm	-2	-2	-1	61	-17	0	0	2	0	3	3	2	4
1979	Below Norm	5	6	10	-14	-7	-5	1	1	1	1	1	1	0
1980	Above Norm	1	1	1	2	0	0	-1	1	1	1	1	1	1
1981	Dry	1	1	1	0	0	0	1	1	1	1	1	1	1
1982	Wet	1	1	1	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	-1	-7	-4	4	-5	-6	-2
1986	Wet	-5	-5	-5	-2	7	0	4	5	5	5	5	5	1
1987	Dry	4	4	4	6	1	10	1	1	1	1	1	1	3
1988	Critical	1	1	1	1	-1	0	-1	-1	-2	-1	-1	-1	0
1989	Dry	-1	0	0	0	-1	-6	1	1	0	1	1	1	0
1990	Critical	1	2	3	0	0	0	0	0	0	0	0	0	1
1991	Critical	0	0	0	0	0	0	2	2	3	2	2	2	1
1992	Critical	1	1	1	0	0	-16	11	1	1	-1	-4	-4	-1
1993	Above Norm	-5	-6	-4	-1	0	0	0	0	0	0	0	0	-1
1994	Critical	0	0	0	3	2	5	13	2	-2	-1	-5	-4	1
1995	Wet	7	7	17	20	0	-3	5	12	3	10	7	4	7
1996	Wet	4	1	-24	0	0	0	0	2	1	1	1	1	-1
1997	Wet	1	1	1	0	0	0	4	4	4	4	4	4	2
1998	Wet	4	4	4	0	0	0	0	0	0	0	0	0	1
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norm	0	0	0	35	0	-1	5	8	2	5	1	-3	4
2001	Dry	-3	-3	-3	0	0	0	1	2	2	2	2	2	0
2002	Dry	1	1	1	0	10	0	6	5	4	4	3	3	3
2003	Above Norm	5	5	6	21	0	21	-7	-2	-8	2	1	0	4
Average		1	1	1	4	1	0	1	0	-1	0	0	0	1
Wet		0	0	0	3	0	0	1	1	0	1	1	0	1
Above Norm		0	0	1	12	-1	2	2	2	-1	0	0	0	1
Below Norm		0	0	1	2	0	-3	0	0	0	0	-1	0	0
Dry		1	1	2	3	1	3	4	0	-2	1	-1	0	1
Critical		1	0	2	2	3	-2	-1	0	0	0	-1	-1	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at Chrisman: CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	174%	4%	0%	-1%	-1%	-1%	-1%	-1%	-1%
1923	Below Norma	-1%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%	2%	10%
1924	Critical	6%	3%	3%	2%	2%	2%	3%	4%	4%	4%	4%	4%
1925	Dry	4%	4%	4%	-31%	1%	25%	0%	-2%	-2%	0%	6%	7%
1926	Dry	15%	25%	23%	10%	-10%	49%	-3%	0%	-2%	-2%	-2%	-2%
1927	Wet	-2%	-2%	-2%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1928	Above Norma	0%	0%	0%	19%	0%	2%	18%	4%	-4%	-4%	-4%	-4%
1929	Critical	-5%	-5%	-5%	1%	1%	1%	0%	0%	0%	0%	0%	0%
1930	Dry	0%	0%	0%	1%	-14%	0%	17%	3%	-1%	1%	-3%	-2%
1931	Critical	9%	9%	29%	76%	73%	34%	-7%	-8%	-8%	-8%	-8%	-8%
1932	Dry	-10%	-8%	-8%	-7%	-1%	-2%	1%	1%	1%	-1%	-5%	-5%
1933	Critical	-10%	-17%	-9%	-18%	20%	-2%	2%	2%	0%	-4%	-4%	-4%
1934	Critical	-9%	-13%	-13%	-5%	11%	-3%	-1%	-1%	-1%	-1%	-1%	-1%
1935	Below Norma	-1%	-1%	-1%	0%	0%	0%	4%	0%	0%	0%	0%	0%
1936	Below Norma	0%	1%	-1%	-1%	0%	0%	1%	0%	0%	0%	0%	0%
1937	Below Norma	1%	-3%	3%	4%	0%	21%	-3%	-3%	-3%	-3%	-2%	-2%
1938	Wet	-3%	-3%	-3%	1%	0%	0%	0%	-1%	0%	0%	0%	0%
1939	Dry	0%	0%	1%	0%	-1%	1%	1%	1%	1%	1%	1%	1%
1940	Above Norma	1%	1%	1%	-2%	0%	-1%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	11%	0%	0%	0%	0%	0%	0%	0%	-1%
1942	Wet	-4%	-2%	-2%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%
1944	Dry	1%	1%	1%	1%	37%	0%	-4%	-4%	-4%	-4%	-4%	-4%
1945	Below Norma	-4%	-5%	-5%	-1%	8%	-10%	0%	1%	1%	1%	1%	1%
1946	Below Norma	1%	1%	1%	0%	0%	0%	0%	2%	1%	0%	0%	0%
1947	Dry	0%	0%	0%	0%	0%	19%	6%	6%	6%	6%	6%	6%
1948	Below Norma	6%	7%	7%	2%	3%	1%	-6%	-2%	-2%	-2%	-2%	-2%
1949	Dry	-2%	-2%	-2%	-1%	-1%	-1%	-5%	-5%	-5%	-5%	-5%	-5%
1950	Below Norma	-6%	-6%	-7%	-4%	-2%	7%	2%	2%	2%	2%	2%	2%
1951	Above Norma	2%	2%	2%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Norma	0%	0%	0%	1%	0%	0%	0%	0%	0%	-1%	-3%	0%
1955	Dry	0%	0%	0%	0%	0%	5%	-2%	2%	2%	4%	8%	8%
1956	Wet	14%	19%	19%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norma	0%	0%	0%	1%	0%	0%	3%	6%	2%	2%	2%	2%
1958	Wet	3%	3%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	-1%	0%	0%	2%	1%	1%	1%	1%	1%	1%
1960	Dry	1%	1%	1%	1%	1%	0%	19%	4%	-2%	0%	-6%	-5%
1961	Dry	11%	13%	33%	58%	-7%	-15%	6%	2%	0%	1%	-1%	0%
1962	Below Norma	4%	4%	10%	16%	17%	-50%	-11%	-3%	-3%	-3%	-3%	-3%
1963	Wet	-5%	-5%	-4%	-2%	0%	0%	0%	0%	0%	-3%	-2%	-1%
1964	Dry	-1%	-1%	-1%	57%	0%	12%	-25%	-9%	-35%	1%	-2%	-2%
1965	Wet	6%	6%	15%	4%	0%	2%	3%	3%	3%	3%	3%	3%
1966	Below Norma	3%	3%	3%	0%	0%	0%	0%	1%	1%	1%	1%	1%
1967	Wet	1%	1%	1%	26%	0%	0%	-1%	-2%	-2%	-2%	-2%	-2%
1968	Below Norma	-2%	-1%	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%
1969	Wet	1%	1%	1%	25%	0%	0%	-1%	0%	-1%	-1%	-1%	-1%
1970	Wet	-1%	-2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	6%	-1%
1972	Below Norma	-2%	-2%	-1%	32%	0%	5%	18%	-2%	-6%	-5%	-8%	-8%
1973	Above Norma	2%	3%	19%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	-11%	-26%	8%	9%	9%	9%	9%
1977	Critical	9%	10%	10%	7%	7%	4%	-15%	-19%	-20%	-19%	-20%	-20%
1978	Above Norma	-20%	-22%	-20%	124%	-14%	0%	0%	1%	0%	2%	2%	1%
1979	Below Norma	4%	5%	7%	-31%	-5%	-4%	0%	0%	0%	0%	0%	0%
1980	Above Norma	0%	0%	1%	1%	0%	0%	-1%	1%	1%	1%	1%	1%
1981	Dry	1%	1%	1%	0%	0%	0%	1%	1%	1%	1%	1%	1%
1982	Wet	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	0%	-5%	-3%	3%	-5%	-4%
1986	Wet	-4%	-4%	-5%	-2%	9%	0%	3%	4%	4%	4%	4%	4%
1987	Dry	4%	4%	4%	5%	1%	8%	1%	1%	1%	1%	1%	1%
1988	Critical	1%	1%	1%	1%	-1%	0%	-2%	-2%	-2%	-2%	-2%	-2%
1989	Dry	-2%	-2%	-2%	-2%	-9%	-17%	0%	0%	0%	1%	1%	1%
1990	Critical	1%	1%	2%	-5%	-1%	0%	0%	0%	0%	0%	0%	0%
1991	Critical	1%	0%	0%	0%	-2%	-5%	3%	3%	4%	4%	4%	4%
1992	Critical	5%	4%	4%	3%	2%	-63%	18%	1%	1%	-1%	-4%	-4%
1993	Above Norma	-8%	-13%	-12%	-6%	0%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	3%	1%	4%	15%	3%	-2%	-1%	-5%	-4%
1995	Wet	9%	11%	30%	49%	0%	-2%	3%	8%	2%	7%	5%	3%
1996	Wet	3%	1%	-16%	0%	0%	0%	0%	2%	1%	1%	1%	1%
1997	Wet	1%	1%	1%	0%	0%	0%	4%	4%	4%	4%	4%	4%
1998	Wet	5%	5%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norma	0%	0%	0%	44%	0%	0%	4%	5%	1%	3%	0%	-2%
2001	Dry	-2%	-2%	-2%	0%	0%	0%	2%	2%	2%	2%	2%	2%
2002	Dry	2%	2%	2%	1%	10%	0%	5%	4%	4%	4%	3%	3%
2003	Above Norma	5%	5%	7%	20%	0%	18%	-5%	-1%	-5%	2%	1%	0%
Average		0%	0%	2%	8%	2%	0%	1%	0%	-1%	0%	0%	0%
Wet		1%	1%	2%	4%	0%	0%	0%	1%	0%	1%	1%	0%
Above Norma		-1%	-2%	0%	31%	-1%	2%	1%	1%	0%	0%	0%	0%
Below Norma		0%	0%	1%	1%	1%	-2%	1%	0%	0%	0%	0%	0%
Dry		1%	2%	3%	5%	0%	5%	4%	0%	-2%	1%	0%	0%
Critical		1%	-1%	2%	5%	9%	-3%	-1%	-1%	-1%	-1%	-2%	-2%

Difference in Energy Use (GWh) At Pumping Plant at Del Valle: CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1927	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1932	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1935	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1940	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1945	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1946	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1947	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1948	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1949	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1951	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1961	Dry	0	0	0	0	-1	1	0	0	0	0	0	0	0
1962	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1963	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1965	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1966	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	0	-1	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	1	-1	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	Above Norma	0	0	0	0	-1	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	-1	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Below Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Dry		0	0	0	0	0	0	0	0	0	0	0	0	0
Critical		0	0	0	0	0	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at Del Valle: CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1923	Below Norma	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1924	Critical	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1925	Dry	-	-	-	4%	0%	-	-3%	0%	0%	0%	0%	0%
1926	Dry	-	-	-	-	0%	-	63%	0%	0%	0%	0%	0%
1927	Wet	-	-	0%	-	-5%	17%	0%	0%	0%	0%	0%	0%
1928	Above Norma	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1929	Critical	-	-	-	-	0%	0%	0%	0%	0%	0%	0%	0%
1930	Dry	-	-	-	-	0%	0%	0%	0%	0%	0%	0%	0%
1931	Critical	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1932	Dry	-	-	-	-	0%	0%	0%	0%	0%	0%	0%	0%
1933	Critical	-	-	-	-	0%	0%	0%	0%	0%	0%	0%	0%
1934	Critical	-	-	-100%	-	0%	0%	0%	0%	0%	0%	0%	0%
1935	Below Norma	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1936	Below Norma	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1937	Below Norma	-	-	0%	-	0%	-14%	498%	0%	0%	0%	0%	0%
1938	Wet	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	-	-	0%	-1%	-	1%	0%	0%	0%	0%	0%	0%
1940	Above Norma	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1942	Wet	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	-	-	0%	-1%	3%	0%	0%	0%	0%	0%	0%	0%
1944	Dry	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1945	Below Norma	-	-	0%	-	0%	-	0%	0%	0%	0%	0%	0%
1946	Below Norma	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1947	Dry	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1948	Below Norma	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1949	Dry	-	-	-	-	0%	0%	0%	0%	0%	0%	0%	0%
1950	Below Norma	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1951	Above Norma	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Norma	-	-	0%	-	0%	-1%	2%	0%	0%	0%	0%	0%
1955	Dry	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1956	Wet	-	-	-	-	-10%	6%	0%	0%	0%	0%	0%	0%
1957	Above Norma	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1958	Wet	-	-	0%	-2%	30%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norma	-	-	0%	0%	0%	-	0%	0%	0%	0%	0%	0%
1960	Dry	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1961	Dry	-	-	0%	-	-100%	7997%	0%	0%	0%	0%	0%	0%
1962	Below Norma	-	-	0%	-	0%	49%	-91%	0%	0%	0%	0%	0%
1963	Wet	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1964	Dry	-	-	-	-	0%	0%	0%	0%	0%	0%	0%	0%
1965	Wet	-	-	0%	-	30%	-25%	0%	0%	0%	0%	0%	0%
1966	Below Norma	-	-	-	-	0%	1%	0%	0%	0%	0%	0%	0%
1967	Wet	-	-	0%	-	-100%	29%	2486%	0%	0%	0%	0%	0%
1968	Below Norma	-	3%	-18%	-	0%	0%	0%	0%	0%	0%	0%	0%
1969	Wet	-	-	0%	-	4%	-4%	0%	0%	0%	0%	0%	0%
1970	Wet	-	-	3%	-7%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Wet	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1972	Below Norma	-	-	-	-	0%	0%	0%	0%	0%	0%	0%	0%
1973	Above Norma	-	-	-	43%	-48%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	-	-	0%	28%	-1%	-61%	0%	0%	0%	0%	0%	0%
1976	Critical	-	-	0%	-	47976%	-69%	-93%	0%	0%	0%	0%	0%
1977	Critical	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1978	Above Norma	-	-	-	-21%	0%	0%	0%	0%	0%	0%	0%	0%
1979	Below Norma	-	-	-	-	0%	0%	0%	0%	0%	0%	0%	0%
1980	Above Norma	-	-	0%	-	-100%	99%	806%	0%	0%	0%	0%	0%
1981	Dry	-	-	0%	-	-98%	-1%	77%	0%	0%	0%	0%	0%
1982	Wet	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	-	-	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1986	Wet	-	-	-	-	0%	0%	0%	0%	0%	0%	0%	0%
1987	Dry	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1988	Critical	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1989	Dry	-	-	-	-	0%	0%	0%	0%	0%	0%	0%	0%
1990	Critical	-	-	-	-	0%	0%	0%	0%	0%	0%	0%	0%
1991	Critical	-	-	-	-	0%	0%	0%	0%	0%	0%	0%	0%
1992	Critical	-	-	-	-	-	-33%	892%	0%	0%	0%	0%	0%
1993	Above Norma	-	-	-	-	0%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1995	Wet	-	-	-	-	0%	0%	0%	0%	0%	0%	0%	0%
1996	Wet	-	-	-100%	180%	10711%	0%	0%	0%	0%	0%	0%	0%
1997	Wet	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1998	Wet	-	-	0%	-	-1%	1%	0%	0%	0%	0%	0%	0%
1999	Wet	-100%	876%	-	-	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norma	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
2001	Dry	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
2002	Dry	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
2003	Above Norma	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
Average		-25%	220%	-4%	20%	738%	102%	57%	0%	0%	0%	0%	0%
Wet		-4%	34%	-4%	8%	410%	-1%	96%	0%	0%	0%	0%	0%
Above Norma		0%	0%	0%	2%	-12%	8%	67%	0%	0%	0%	0%	0%
Below Norma		0%	0%	-1%	0%	0%	3%	29%	0%	0%	0%	0%	0%
Dry		0%	0%	0%	0%	-11%	444%	8%	0%	0%	0%	0%	0%
Critical		0%	0%	-8%	0%	3998%	-8%	67%	0%	0%	0%	0%	0%

Difference in Energy Use (GWh) At Pumping Plant at Edmonston: CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norm	0	0	0	27	11	0	-5	-4	-3	-4	-4	-3	1
1923	Below Norm	-4	-4	-4	0	0	0	0	1	0	1	12	46	4
1924	Critical	23	13	13	5	4	2	4	6	6	6	5	4	8
1925	Dry	2	1	1	-65	3	6	0	-6	-7	1	20	20	-2
1926	Dry	27	35	23	6	-38	108	-10	1	-9	-10	-10	-9	9
1927	Wet	-9	-9	-9	3	0	0	-2	-2	-1	-2	-2	-1	-3
1928	Above Norm	-2	-2	-2	74	0	8	77	19	-17	-18	-18	-18	8
1929	Critical	-17	-17	-17	3	3	1	1	1	1	1	1	1	-3
1930	Dry	0	0	0	0	-17	-1	48	12	-3	3	-14	-10	2
1931	Critical	28	26	61	63	56	20	-18	-23	-25	-23	-19	-18	11
1932	Dry	-11	-6	-5	-2	-4	-4	2	3	3	-2	-15	-14	-4
1933	Critical	-18	-22	-9	-10	30	-6	4	5	6	0	-13	-13	-4
1934	Critical	-20	-26	-18	-4	16	-2	-1	-2	-2	-2	-2	-2	-5
1935	Below Norm	-2	-2	-1	0	0	0	16	0	0	0	0	0	1
1936	Below Norm	0	3	-2	0	0	1	3	1	0	1	1	1	1
1937	Below Norm	3	-14	9	1	0	87	-13	-14	-13	-13	-12	-12	1
1938	Wet	-14	-14	-14	3	0	0	0	-5	-1	-1	-1	-1	-4
1939	Dry	-1	-1	4	0	-3	5	3	4	3	4	4	3	2
1940	Above Norm	3	3	3	-3	-2	0	-3	1	0	1	1	0	0
1941	Wet	1	2	2	46	0	0	-1	-1	0	-1	-1	-6	4
1942	Wet	-21	-8	-8	0	0	0	0	0	0	0	0	0	-3
1943	Wet	0	0	0	0	0	0	4	4	4	5	5	4	2
1944	Dry	4	4	4	2	121	2	-20	-20	-19	-20	-20	-20	2
1945	Below Norm	-20	-19	-19	-3	24	-49	2	6	6	6	6	6	-5
1946	Below Norm	6	5	5	0	0	0	0	8	3	-1	-1	-1	2
1947	Dry	-1	-1	-1	0	-1	41	25	26	26	26	26	26	16
1948	Below Norm	25	24	24	3	3	1	-15	-9	-9	-9	-10	-9	1
1949	Dry	-9	-9	-9	-4	-3	-1	-13	-18	-19	-19	-21	-20	-12
1950	Below Norm	-16	-15	-11	-2	-1	18	9	10	10	10	10	10	3
1951	Above Norm	10	9	9	3	0	0	0	0	0	0	0	0	2
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	1	1	1	1	1	0
1954	Above Norm	1	1	1	3	0	2	0	0	0	-4	-16	-2	-1
1955	Dry	-2	-2	-2	0	1	8	-6	5	5	11	25	25	6
1956	Wet	29	34	24	3	0	0	0	0	0	0	0	0	7
1957	Above Norm	0	0	0	3	0	1	16	22	9	10	10	9	7
1958	Wet	9	9	9	0	0	0	0	0	0	0	0	0	2
1959	Below Norm	0	0	-3	0	0	7	5	5	5	5	5	5	3
1960	Dry	5	5	5	3	3	-1	70	16	-8	-1	-29	-23	4
1961	Dry	37	40	86	80	-14	-47	19	7	1	3	-3	-1	17
1962	Below Norm	12	12	24	19	19	-207	-55	-17	-13	-17	-15	-15	-21
1963	Wet	-26	-24	-19	-7	0	1	1	0	0	-17	-13	-5	-9
1964	Dry	-5	-4	-4	165	0	56	83	-32	-126	2	-9	-6	10
1965	Wet	18	18	39	18	0	8	10	11	11	11	11	11	14
1966	Below Norm	10	10	10	0	0	0	2	2	2	2	2	2	4
1967	Wet	2	2	2	85	0	0	-7	-8	-8	-8	-8	-8	4
1968	Below Norm	-8	-7	0	0	0	0	4	5	5	5	5	4	1
1969	Wet	4	4	4	76	0	0	-5	-2	-7	-7	-7	-7	5
1970	Wet	-7	-6	0	0	0	0	1	1	1	1	1	1	-1
1971	Wet	1	1	1	0	0	0	0	0	0	0	29	-7	2
1972	Below Norm	-9	-8	-4	108	0	22	54	-8	-21	-17	-32	-28	5
1973	Above Norm	7	7	36	0	0	0	1	1	1	1	1	1	5
1974	Wet	1	1	1	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	1	-1	0	0	-1	0	0
1976	Critical	0	0	0	0	0	-59	-118	30	29	30	30	29	-2
1977	Critical	29	27	27	15	13	4	-17	-23	-25	-22	-19	-18	-1
1978	Above Norm	-8	-6	-5	213	-59	-2	2	6	0	10	10	7	14
1979	Below Norm	19	22	33	-48	-23	-19	2	2	2	2	2	2	0
1980	Above Norm	2	2	2	5	0	0	-3	3	3	3	3	3	2
1981	Dry	3	3	3	2	0	0	5	5	5	5	5	5	3
1982	Wet	5	4	4	0	0	0	0	0	0	0	0	0	1
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	-2	-23	-14	13	-18	-19	-5
1986	Wet	-19	-18	-18	-5	23	0	14	16	16	16	16	16	5
1987	Dry	16	15	15	19	3	33	2	2	3	3	3	2	10
1988	Critical	2	2	2	2	-2	0	-4	-5	-5	-5	-4	-4	-2
1989	Dry	-2	-1	-1	0	-3	-20	2	3	0	3	4	4	-1
1990	Critical	5	6	10	-2	0	0	1	1	1	1	1	1	2
1991	Critical	1	0	0	0	0	-1	6	8	9	8	7	7	4
1992	Critical	4	2	2	1	0	-56	40	2	3	-2	-13	-13	-2
1993	Above Norm	-17	-21	-13	-3	1	0	0	0	0	0	0	0	-5
1994	Critical	0	0	61	10	6	18	45	9	-6	-2	-19	-15	4
1995	Wet	25	26	61	71	0	-9	17	41	10	34	25	15	26
1996	Wet	15	3	-83	0	0	0	-1	7	3	3	3	3	-4
1997	Wet	3	2	2	0	0	0	14	15	15	15	15	15	8
1998	Wet	14	14	14	1	0	0	0	0	0	0	0	0	4
1999	Wet	0	0	0	0	0	0	1	1	1	1	1	1	1
2000	Above Norm	1	1	1	121	0	-3	19	27	7	16	2	-11	15
2001	Dry	-10	-10	-10	0	-1	1	4	6	6	6	7	6	0
2002	Dry	5	5	3	1	35	0	20	16	14	15	12	12	11
2003	Above Norm	17	17	21	72	0	72	-24	-7	-27	6	4	0	12
Average		2	2	4	14	2	1	4	2	-2	1	0	0	2
Wet		1	2	0	11	1	0	2	3	2	2	3	1	2
Above Norm		1	1	4	43	-4	7	7	6	-2	2	-1	-1	5
Below Norm		1	1	4	6	2	-10	1	-1	-1	-2	-2	1	0
Dry		3	4	6	12	4	10	13	0	-8	2	-2	-1	4
Critical		3	1	6	7	11	-6	-5	1	-1	-1	-4	-3	1

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at Edmonston: CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norm	0%	0%	0%	174%	4%	0%	-1%	-1%	-1%	-1%	-1%	-1%
1923	Below Norm	-1%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%	2%	10%
1924	Critical	6%	3%	3%	2%	2%	2%	3%	4%	4%	4%	4%	4%
1925	Dry	4%	4%	4%	-31%	1%	25%	0%	-2%	-2%	0%	6%	7%
1926	Dry	15%	25%	23%	10%	-10%	49%	-3%	0%	-2%	-2%	-2%	-2%
1927	Wet	-2%	-2%	-2%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1928	Above Norm	0%	0%	0%	19%	0%	2%	18%	4%	-4%	-4%	-4%	-4%
1929	Critical	-5%	-5%	-5%	1%	1%	1%	0%	0%	0%	0%	0%	0%
1930	Dry	0%	0%	0%	1%	-14%	0%	17%	3%	-1%	1%	-3%	-2%
1931	Critical	9%	9%	29%	76%	73%	34%	-7%	-8%	-8%	-8%	-8%	-8%
1932	Dry	-10%	-8%	-8%	-7%	-1%	-2%	1%	1%	1%	-1%	-5%	-5%
1933	Critical	-10%	-17%	-9%	-18%	20%	-2%	2%	2%	0%	-4%	-4%	-4%
1934	Critical	-9%	-13%	-13%	-5%	11%	-3%	-1%	-1%	-1%	-1%	-1%	-1%
1935	Below Norm	-1%	-1%	-1%	0%	0%	0%	4%	0%	0%	0%	0%	0%
1936	Below Norm	0%	1%	-1%	-1%	0%	0%	1%	0%	0%	0%	0%	0%
1937	Below Norm	1%	-3%	3%	4%	0%	21%	-3%	-3%	-3%	-2%	-2%	-2%
1938	Wet	-3%	-3%	-3%	1%	0%	0%	0%	-1%	0%	0%	0%	0%
1939	Dry	0%	0%	1%	0%	-1%	1%	1%	1%	1%	1%	1%	1%
1940	Above Norm	1%	1%	1%	-2%	0%	-1%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	11%	0%	0%	0%	0%	0%	0%	0%	-1%
1942	Wet	-4%	-2%	-2%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%
1944	Dry	1%	1%	1%	1%	37%	0%	-4%	-4%	-4%	-4%	-4%	-4%
1945	Below Norm	-4%	-5%	-5%	-1%	8%	-10%	0%	1%	1%	1%	1%	1%
1946	Below Norm	1%	1%	1%	0%	0%	0%	0%	2%	1%	0%	0%	0%
1947	Dry	0%	0%	0%	0%	0%	19%	6%	6%	6%	6%	6%	6%
1948	Below Norm	6%	7%	7%	2%	3%	1%	-6%	-2%	-2%	-2%	-2%	-2%
1949	Dry	-2%	-2%	-2%	-1%	-1%	-1%	-5%	-5%	-5%	-5%	-5%	-5%
1950	Below Norm	-6%	-6%	-7%	-4%	-2%	7%	2%	2%	2%	2%	2%	2%
1951	Above Norm	2%	2%	2%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Norm	0%	0%	0%	1%	0%	0%	0%	0%	0%	-1%	-3%	0%
1955	Dry	0%	0%	0%	0%	0%	5%	-2%	2%	2%	4%	8%	8%
1956	Wet	14%	19%	19%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norm	0%	0%	0%	1%	0%	0%	3%	6%	2%	2%	2%	2%
1958	Wet	3%	3%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norm	0%	0%	-1%	0%	0%	2%	1%	1%	1%	1%	1%	1%
1960	Dry	1%	1%	1%	1%	1%	0%	19%	4%	-2%	0%	-6%	-5%
1961	Dry	11%	13%	33%	58%	-7%	-15%	6%	2%	0%	1%	-1%	0%
1962	Below Norm	4%	4%	10%	16%	17%	-50%	-11%	-3%	-3%	-3%	-3%	-3%
1963	Wet	-5%	-5%	-4%	-2%	0%	0%	0%	0%	0%	-3%	-2%	-1%
1964	Dry	-1%	-1%	-1%	57%	0%	12%	-25%	-9%	-35%	1%	-2%	-2%
1965	Wet	6%	6%	15%	4%	0%	2%	3%	3%	3%	3%	3%	3%
1966	Below Norm	3%	3%	3%	0%	0%	0%	0%	1%	1%	1%	1%	1%
1967	Wet	1%	1%	1%	26%	0%	0%	-1%	-2%	-2%	-2%	-2%	-2%
1968	Below Norm	-2%	-1%	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%
1969	Wet	1%	1%	1%	25%	0%	0%	-1%	0%	-1%	-1%	-1%	-1%
1970	Wet	-1%	-2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	6%	-1%
1972	Below Norm	-2%	-2%	-1%	32%	0%	5%	18%	-2%	-6%	-5%	-8%	-8%
1973	Above Norm	2%	3%	19%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	-11%	-26%	8%	9%	9%	9%	9%
1977	Critical	9%	10%	10%	7%	7%	4%	-15%	-19%	-20%	-19%	-20%	-20%
1978	Above Norm	-20%	-22%	-20%	124%	-14%	0%	0%	1%	0%	2%	2%	1%
1979	Below Norm	4%	5%	7%	-31%	-5%	-4%	0%	0%	0%	0%	0%	0%
1980	Above Norm	0%	0%	1%	1%	0%	0%	-1%	1%	1%	1%	1%	1%
1981	Dry	1%	1%	1%	0%	0%	0%	1%	1%	1%	1%	1%	1%
1982	Wet	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	0%	-5%	-3%	3%	-5%	-4%
1986	Wet	-4%	-4%	-5%	-2%	9%	0%	3%	4%	4%	4%	4%	4%
1987	Dry	4%	4%	4%	5%	1%	8%	1%	1%	1%	1%	1%	1%
1988	Critical	1%	1%	1%	1%	-1%	0%	-2%	-2%	-2%	-2%	-2%	-2%
1989	Dry	-2%	-2%	-2%	-2%	-9%	-17%	0%	0%	0%	1%	1%	1%
1990	Critical	1%	1%	2%	-5%	-1%	0%	0%	0%	0%	0%	0%	0%
1991	Critical	1%	0%	0%	0%	-2%	-5%	3%	3%	4%	4%	4%	4%
1992	Critical	5%	4%	4%	3%	2%	-63%	18%	1%	1%	-1%	-4%	-4%
1993	Above Norm	-8%	-13%	-12%	-6%	0%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	3%	1%	4%	15%	3%	-2%	-1%	-5%	-4%
1995	Wet	9%	11%	30%	49%	0%	-2%	3%	8%	2%	7%	5%	3%
1996	Wet	3%	1%	-16%	0%	0%	0%	0%	2%	1%	1%	1%	1%
1997	Wet	1%	1%	1%	0%	0%	0%	4%	4%	4%	4%	4%	4%
1998	Wet	5%	5%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norm	0%	0%	0%	44%	0%	0%	4%	5%	1%	3%	0%	-2%
2001	Dry	-2%	-2%	-2%	0%	0%	0%	2%	2%	2%	2%	2%	2%
2002	Dry	2%	2%	2%	1%	10%	0%	5%	4%	4%	4%	3%	3%
2003	Above Norm	5%	5%	7%	20%	0%	18%	-5%	-1%	-5%	2%	1%	0%
Average		0%	0%	2%	8%	2%	0%	1%	0%	-1%	0%	0%	0%
Wet		1%	1%	2%	4%	0%	0%	0%	1%	0%	1%	1%	0%
Above Norm		-1%	-2%	0%	31%	-1%	2%	1%	1%	0%	0%	0%	0%
Below Norm		0%	0%	1%	1%	1%	-2%	1%	0%	0%	0%	0%	0%
Dry		1%	2%	3%	5%	0%	5%	4%	0%	-2%	1%	0%	0%
Critical		1%	-1%	2%	5%	9%	-3%	-1%	-1%	-1%	-1%	-2%	-2%

Difference in Energy Use (GWh) At Pumping Plant at Las Perillas: CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1927	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1932	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1935	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1940	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1945	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1946	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1947	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1948	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1949	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1951	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1961	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1963	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1965	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1966	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Below Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Dry		0	0	0	0	0	0	0	0	0	0	0	0	0
Critical		0	0	0	0	0	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at Las Perillas: CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	20%	4%	0%	0%	0%	0%	0%	0%	0%
1923	Below Norma	-1%	-1%	-1%	0%	0%	0%	-1%	3%	3%	3%	3%	3%
1924	Critical	3%	3%	3%	-1%	-2%	9%	4%	4%	4%	4%	4%	4%
1925	Dry	4%	4%	4%	3%	11%	4%	4%	16%	3%	3%	2%	15%
1926	Dry	11%	6%	-4%	0%	0%	28%	-3%	-1%	-1%	-1%	-1%	-1%
1927	Wet	-1%	-1%	-1%	0%	4%	0%	0%	0%	0%	0%	0%	0%
1928	Above Norma	0%	0%	0%	54%	11%	16%	-2%	-2%	-2%	-2%	-2%	-2%
1929	Critical	-2%	-3%	-3%	1%	1%	1%	0%	0%	0%	0%	0%	0%
1930	Dry	0%	0%	0%	9%	-30%	4%	20%	-3%	-2%	-3%	-4%	-5%
1931	Critical	13%	23%	13%	-10%	-8%	-7%	-9%	-9%	-8%	-8%	-8%	-9%
1932	Dry	-9%	-9%	-9%	1%	-1%	-2%	-4%	-11%	-2%	-2%	-2%	-11%
1933	Critical	-8%	-5%	1%	2%	-2%	-2%	-3%	-9%	-2%	-2%	-1%	-9%
1934	Critical	-7%	-4%	3%	1%	0%	-1%	-1%	-1%	-1%	-1%	-1%	-1%
1935	Below Norma	-1%	-1%	-1%	4%	0%	0%	7%	-1%	-1%	-1%	-1%	-1%
1936	Below Norma	-1%	-1%	-1%	-5%	-1%	1%	0%	0%	0%	0%	0%	0%
1937	Below Norma	0%	0%	0%	10%	0%	39%	6%	-1%	-1%	-1%	-1%	-1%
1938	Wet	-1%	-1%	-1%	2%	0%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%	1%
1940	Above Norma	1%	1%	1%	-16%	-4%	-2%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	30%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%
1942	Wet	-1%	-1%	-1%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	1%	0%	1%	1%	1%	1%	1%	1%	1%
1944	Dry	1%	1%	1%	1%	40%	-3%	-2%	-2%	-2%	-2%	-2%	-2%
1945	Below Norma	-2%	-2%	-3%	1%	1%	3%	1%	1%	1%	1%	1%	1%
1946	Below Norma	1%	1%	1%	1%	0%	1%	0%	0%	0%	0%	0%	0%
1947	Dry	0%	0%	0%	0%	-2%	38%	6%	6%	6%	6%	6%	6%
1948	Below Norma	6%	6%	7%	-17%	-1%	-8%	-13%	-2%	-2%	-2%	-2%	-2%
1949	Dry	-2%	-1%	-1%	-7%	-6%	-6%	-6%	-6%	-6%	-6%	-6%	-6%
1950	Below Norma	-6%	-6%	-6%	2%	4%	28%	2%	2%	2%	3%	3%	3%
1951	Above Norma	3%	3%	2%	1%	-13%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1954	Above Norma	0%	0%	0%	4%	1%	11%	0%	0%	0%	0%	0%	0%
1955	Dry	0%	0%	0%	3%	2%	3%	7%	14%	5%	5%	5%	13%
1956	Wet	11%	8%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norma	0%	0%	0%	3%	1%	3%	3%	3%	3%	3%	3%	3%
1958	Wet	3%	3%	3%	2%	-1%	-1%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	0%	0%	1%	0%	1%	1%	1%	1%	1%	1%
1960	Dry	1%	1%	1%	-2%	9%	-1%	21%	-5%	-3%	-5%	-6%	-7%
1961	Dry	16%	26%	16%	-11%	-54%	-7%	7%	-1%	0%	-1%	-1%	-1%
1962	Below Norma	5%	8%	5%	-26%	-24%	-45%	-6%	-6%	-6%	-6%	-6%	-6%
1963	Wet	-6%	-6%	-6%	1%	-2%	7%	4%	-1%	-1%	-1%	-1%	-1%
1964	Dry	-1%	-1%	-1%	100%	0%	35%	8%	-3%	-2%	-3%	-4%	-5%
1965	Wet	6%	10%	6%	0%	-1%	2%	3%	3%	3%	3%	3%	3%
1966	Below Norma	3%	3%	3%	-2%	-9%	0%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	1%	1%	34%	-13%	-1%	-1%	-6%	-1%	-1%	-1%	-1%
1968	Below Norma	-1%	-1%	-1%	0%	0%	1%	1%	1%	1%	1%	1%	1%
1969	Wet	1%	1%	1%	29%	-1%	-1%	-1%	2%	-1%	-1%	-1%	-1%
1970	Wet	-1%	-1%	-1%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1972	Below Norma	0%	0%	0%	53%	1%	9%	13%	-6%	-5%	-6%	-7%	-8%
1973	Above Norma	9%	17%	9%	0%	1%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	1%	20%	18%	9%	8%	8%	8%	8%	9%
1977	Critical	9%	9%	9%	-6%	-8%	-21%	-24%	-23%	-23%	-23%	-23%	-24%
1978	Above Norma	-24%	-24%	-24%	-5%	-27%	-8%	-1%	-3%	2%	2%	2%	2%
1979	Below Norma	2%	2%	2%	-10%	3%	2%	1%	1%	1%	1%	1%	1%
1980	Above Norma	1%	1%	1%	6%	2%	0%	1%	1%	1%	1%	1%	1%
1981	Dry	1%	1%	1%	1%	0%	0%	1%	1%	1%	1%	1%	1%
1982	Wet	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	1%	0%	-3%	-3%	-3%	-3%	-3%	-3%
1986	Wet	-3%	-3%	-3%	8%	3%	1%	4%	12%	4%	4%	4%	4%
1987	Dry	4%	4%	4%	8%	2%	4%	1%	1%	1%	1%	1%	1%
1988	Critical	1%	1%	1%	-8%	-10%	-5%	-2%	-2%	-2%	-2%	-2%	-2%
1989	Dry	-1%	-1%	-1%	-3%	-10%	-5%	1%	1%	1%	1%	1%	1%
1990	Critical	1%	1%	1%	-5%	12%	6%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	0%	-13%	-13%	-13%	4%	4%	4%	4%	4%	4%
1992	Critical	5%	5%	5%	-3%	-2%	-35%	-3%	-8%	-2%	-2%	-1%	-8%
1993	Above Norma	-6%	-4%	2%	4%	1%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	5%	5%	3%	18%	-4%	-3%	-5%	-6%	-7%
1995	Wet	14%	22%	13%	10%	0%	-12%	0%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	-12%	-5%	1%	1%	0%	0%	0%	0%	0%	1%
1997	Wet	1%	1%	1%	0%	0%	2%	4%	4%	4%	4%	4%	4%
1998	Wet	4%	4%	4%	-2%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norma	0%	0%	0%	58%	-2%	-7%	-1%	-1%	-1%	-1%	-1%	-1%
2001	Dry	-1%	-1%	-1%	0%	-3%	0%	2%	2%	2%	2%	2%	2%
2002	Dry	2%	2%	2%	1%	9%	0%	6%	4%	4%	4%	4%	4%
2003	Above Norma	6%	7%	6%	17%	-2%	18%	-4%	-1%	-1%	-1%	-1%	-1%
Average		1%	1%	1%	4%	-1%	1%	1%	0%	0%	0%	0%	0%
Wet		1%	1%	0%	4%	0%	0%	1%	1%	0%	0%	0%	0%
Above Norma		-1%	0%	0%	12%	-2%	3%	0%	0%	0%	0%	0%	0%
Below Norma		1%	1%	1%	1%	-2%	2%	1%	0%	0%	0%	0%	0%
Dry		2%	2%	1%	6%	-2%	5%	4%	1%	0%	0%	0%	0%
Critical		1%	2%	3%	-3%	-1%	-4%	0%	-3%	-2%	-2%	-2%	-3%

Difference in Energy Use (GWh) At Pumping Plant at Oso: CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	1	1	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	0	0	0	1	1	0
1924	Critical	1	1	1	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	-8	0	0	1	0	0	0	2	2	0
1926	Dry	2	2	1	0	0	5	-1	1	0	0	0	0	1
1927	Wet	0	0	0	0	1	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	5	0	1	4	1	-1	-1	-1	-1	1
1929	Critical	-1	-1	-1	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	0	-2	0	1	0	0	-1	-1	0	0
1931	Critical	1	1	4	2	2	1	-1	-1	-1	-1	-1	-1	0
1932	Dry	0	0	0	0	0	0	0	0	0	0	-1	-1	0
1933	Critical	-1	-1	0	-1	4	0	0	0	0	0	-1	-1	0
1934	Critical	-2	-2	-1	0	2	0	0	0	0	0	0	0	0
1935	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	0	1	0	0	0	-1	-1	-1	-1	-1	-1	0
1938	Wet	-1	-1	-1	0	0	0	0	-1	0	0	0	0	0
1939	Dry	0	0	1	0	0	0	0	0	0	0	0	0	0
1940	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	3	1	0	0	0	1	0	0	-1	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	6	0	-1	-1	-1	-1	-1	-1	0
1945	Below Norma	-1	-1	-1	0	3	-3	0	0	0	0	0	0	0
1946	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1947	Dry	0	0	0	0	0	5	1	1	1	1	1	1	1
1948	Below Norma	1	1	1	0	0	0	-1	0	0	0	0	0	0
1949	Dry	0	0	0	0	0	0	-1	-1	-1	-1	-1	-1	-1
1950	Below Norma	-1	-1	0	0	0	-2	0	0	0	0	0	0	0
1951	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	-1	-1	0	0
1955	Dry	0	0	0	0	0	1	0	1	1	1	2	2	1
1956	Wet	2	2	1	0	0	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	1	1	0	0	0	0	0
1958	Wet	0	0	0	0	1	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	2	0	-1	-2	-2	-1	0
1961	Dry	1	2	5	3	-8	-1	1	0	0	0	0	0	0
1962	Below Norma	1	1	1	0	1	-5	-5	-1	-1	-1	-1	-1	-1
1963	Wet	-1	-1	-1	-1	0	0	0	0	0	-1	0	0	-1
1964	Dry	0	0	0	6	0	5	4	-1	-1	-1	-1	0	1
1965	Wet	1	1	2	2	0	0	0	0	0	0	0	0	1
1966	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	3	1	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	3	1	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	2	-1	0
1972	Below Norma	0	0	0	5	0	3	2	-1	-1	-2	-2	-1	0
1973	Above Norma	0	0	2	-3	-3	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	-9	1	1	1	1	1	0
1977	Critical	1	1	1	0	0	0	-1	-1	-1	-1	-1	-1	0
1978	Above Norma	0	0	0	4	-3	0	0	1	1	1	1	1	1
1979	Below Norma	2	3	4	-2	-1	-1	0	0	0	0	0	0	0
1980	Above Norma	0	0	0	1	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	-1	-1	-1	-1	-1	0
1986	Wet	-1	-1	-1	0	3	0	0	1	1	1	1	1	0
1987	Dry	1	1	1	1	1	1	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	-1	0	0	0	0	0	0	0	0
1989	Dry	0	0	0	0	0	-2	0	0	0	0	0	0	0
1990	Critical	1	1	1	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	-6	4	0	0	0	-1	-1	0
1993	Above Norma	-1	-1	-1	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	1	1	1	0	0	-2	-1	-1	0
1995	Wet	1	1	4	3	0	0	1	4	1	3	2	1	2
1996	Wet	1	0	-9	2	3	0	0	1	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	1	1	1	1	1	1	0
1998	Wet	1	1	1	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	4	0	0	1	2	2	1	0	0	1
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	2	0	1	1	1	0	0	1	0
2003	Above Norma	1	1	1	3	0	3	-1	0	0	0	0	0	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	1	0	0	0	0	0	0	0	0	0
Above Norma		0	0	0	1	0	0	0	0	0	0	0	0	0
Below Norma		0	0	0	0	0	-1	0	0	0	0	0	0	0
Dry		0	0	0	0	0	1	0	0	0	0	0	0	0
Critical		0	0	0	0	1	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at Oso: CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	100%	3%	0%	-1%	-1%	-1%	-1%	-1%	-1%
1923	Below Norma	-1%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%	6%	7%
1924	Critical	5%	4%	4%	2%	2%	1%	2%	3%	4%	4%	3%	4%
1925	Dry	0%	1%	0%	-34%	0%	0%	8%	4%	3%	2%	14%	15%
1926	Dry	42%	73%	1263%	9%	0%	61%	-6%	5%	-2%	-2%	-2%	-2%
1927	Wet	-2%	-2%	-2%	1%	3%	0%	0%	0%	0%	0%	0%	0%
1928	Above Norma	0%	0%	0%	29%	0%	3%	18%	6%	-4%	-4%	-4%	-4%
1929	Critical	-5%	-5%	-5%	1%	1%	1%	0%	0%	0%	0%	0%	0%
1930	Dry	1%	0%	0%	0%	-23%	1%	9%	1%	-1%	-6%	-5%	-2%
1931	Critical	8%	10%	67%	61%	78%	20%	-6%	-7%	-8%	-8%	-8%	-8%
1932	Dry	-20%	-4%	0%	0%	0%	0%	-3%	-2%	-2%	-2%	-9%	-9%
1933	Critical	-25%	-46%	0%	-34%	33%	-2%	-2%	-2%	-2%	-2%	-9%	-10%
1934	Critical	-19%	-25%	-43%	-3%	18%	-4%	-1%	-1%	-1%	-1%	-1%	-1%
1935	Below Norma	-1%	-1%	-1%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1936	Below Norma	0%	0%	0%	-2%	0%	0%	1%	0%	0%	0%	0%	0%
1937	Below Norma	1%	1%	5%	5%	0%	0%	-3%	-3%	-3%	-2%	-3%	-3%
1938	Wet	-3%	-3%	-4%	1%	0%	0%	0%	-3%	0%	0%	0%	0%
1939	Dry	0%	0%	3%	0%	-2%	1%	1%	1%	1%	1%	1%	1%
1940	Above Norma	1%	1%	1%	-3%	-1%	0%	-1%	0%	0%	0%	0%	0%
1941	Wet	1%	1%	1%	19%	4%	0%	0%	0%	3%	0%	0%	-3%
1942	Wet	-2%	-2%	-2%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%
1944	Dry	1%	1%	1%	1%	44%	1%	-4%	-4%	-4%	-4%	-4%	-4%
1945	Below Norma	-4%	-5%	-5%	-1%	17%	-17%	0%	1%	1%	1%	1%	1%
1946	Below Norma	1%	1%	1%	1%	0%	0%	0%	2%	1%	0%	0%	0%
1947	Dry	0%	0%	0%	0%	-2%	36%	7%	6%	6%	6%	6%	6%
1948	Below Norma	7%	7%	8%	0%	2%	1%	-9%	-2%	-2%	-2%	-2%	-2%
1949	Dry	-2%	-2%	-2%	-3%	-2%	-1%	-5%	-5%	-5%	-5%	-5%	-5%
1950	Below Norma	-7%	-7%	-11%	-1%	0%	-9%	2%	2%	2%	2%	2%	2%
1951	Above Norma	2%	2%	2%	2%	0%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Norma	0%	0%	0%	2%	0%	0%	0%	1%	-2%	-2%	0%	0%
1955	Dry	0%	0%	0%	1%	0%	8%	4%	6%	6%	5%	14%	14%
1956	Wet	29%	39%	84%	1%	-1%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norma	0%	0%	0%	1%	0%	0%	3%	6%	2%	2%	2%	2%
1958	Wet	3%	3%	3%	0%	5%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	-2%	0%	1%	1%	1%	1%	1%	1%	1%	1%
1960	Dry	2%	2%	2%	1%	1%	-1%	9%	1%	-3%	-11%	-10%	-5%
1961	Dry	9%	13%	63%	46%	-54%	-4%	4%	1%	0%	-2%	-1%	0%
1962	Below Norma	4%	4%	18%	10%	19%	-24%	-20%	-4%	-4%	-4%	-4%	-5%
1963	Wet	-6%	-6%	-6%	-5%	0%	0%	0%	-2%	-2%	-3%	-2%	-1%
1964	Dry	-1%	-1%	-1%	51%	0%	20%	22%	-4%	-5%	-5%	-4%	-2%
1965	Wet	5%	7%	26%	13%	1%	2%	3%	3%	3%	3%	3%	3%
1966	Below Norma	4%	4%	4%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1967	Wet	1%	1%	1%	20%	3%	0%	-1%	-1%	-1%	-1%	-1%	-1%
1968	Below Norma	-2%	-1%	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%
1969	Wet	1%	1%	1%	20%	3%	0%	-1%	-1%	-1%	-1%	-1%	-1%
1970	Wet	-1%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	10%	-4%
1972	Below Norma	-2%	-2%	-1%	31%	1%	11%	12%	-3%	-6%	-11%	-10%	-7%
1973	Above Norma	1%	3%	44%	-12%	-12%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	1%	0%	0%	-37%	8%	8%	8%	8%	8%
1977	Critical	10%	11%	12%	5%	6%	3%	-11%	-15%	-18%	-17%	-17%	-18%
1978	Above Norma	-1%	-6%	0%	21%	-11%	0%	1%	3%	4%	4%	4%	3%
1979	Below Norma	10%	12%	19%	-30%	-7%	-4%	0%	0%	0%	0%	0%	0%
1980	Above Norma	1%	1%	1%	3%	0%	0%	1%	1%	1%	1%	1%	1%
1981	Dry	1%	1%	1%	1%	0%	0%	1%	1%	1%	1%	1%	1%
1982	Wet	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	0%	-5%	-3%	-3%	-4%	-4%
1986	Wet	-5%	-5%	-5%	-1%	24%	0%	3%	4%	4%	4%	4%	4%
1987	Dry	5%	5%	5%	7%	4%	4%	1%	1%	1%	1%	1%	1%
1988	Critical	1%	1%	1%	-1%	-8%	0%	-1%	-2%	-2%	-2%	-2%	-2%
1989	Dry	-6%	-1%	0%	0%	0%	-22%	1%	1%	1%	1%	2%	2%
1990	Critical	3%	3%	6%	-4%	-2%	0%	0%	0%	0%	0%	0%	0%
1991	Critical	1%	0%	0%	0%	0%	-7%	3%	3%	4%	4%	3%	3%
1992	Critical	14%	2%	0%	0%	0%	-77%	41%	-2%	-2%	-2%	-8%	-8%
1993	Above Norma	-20%	-30%	-88%	-6%	0%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	2%	3%	4%	7%	1%	-2%	-9%	-8%	-4%
1995	Wet	8%	11%	54%	47%	0%	0%	3%	17%	4%	14%	10%	5%
1996	Wet	3%	1%	-34%	8%	12%	0%	-2%	4%	1%	1%	1%	1%
1997	Wet	1%	1%	1%	0%	0%	0%	4%	4%	4%	4%	4%	4%
1998	Wet	5%	5%	6%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norma	0%	0%	0%	33%	0%	0%	5%	10%	8%	6%	1%	-2%
2001	Dry	-2%	-2%	-2%	0%	-3%	0%	2%	2%	2%	2%	2%	2%
2002	Dry	2%	2%	3%	1%	11%	0%	4%	4%	3%	2%	3%	3%
2003	Above Norma	5%	6%	9%	18%	1%	16%	-5%	-2%	-2%	-1%	-1%	0%
Average		1%	1%	18%	5%	2%	0%	1%	1%	0%	0%	0%	0%
Wet		1%	2%	5%	5%	2%	0%	0%	1%	1%	1%	1%	0%
Above Norma		-1%	-2%	-3%	16%	-2%	2%	2%	2%	1%	0%	0%	0%
Below Norma		1%	1%	2%	1%	2%	-3%	-1%	0%	0%	-1%	0%	0%
Dry		2%	5%	74%	4%	-1%	6%	3%	1%	0%	-1%	0%	1%
Critical		0%	-4%	3%	2%	11%	-5%	0%	-1%	-2%	-2%	-3%	-3%

Difference in Energy Use (GWh) At Pumping Plant at Pearblossom: CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	6	2	0	-1	-1	0	-1	-1	-1	0
1923	Below Norma	-1	-1	-1	0	0	0	0	0	0	0	0	10	1
1924	Critical	5	2	2	1	1	1	1	1	1	1	1	1	2
1925	Dry	1	0	0	0	1	2	-3	-3	-4	-1	1	2	0
1926	Dry	3	5	4	1	-12	21	-1	-2	-2	-2	-2	-2	1
1927	Wet	-2	-2	-2	1	-2	0	0	0	0	0	0	0	-1
1928	Above Norma	0	0	0	9	0	0	15	3	-3	-3	-4	-3	1
1929	Critical	-3	-3	-3	1	1	0	0	0	0	0	0	0	-1
1930	Dry	0	0	0	0	0	-1	10	2	-1	4	-2	-3	1
1931	Critical	5	4	9	16	14	5	-3	-5	-5	-4	-4	-4	2
1932	Dry	-2	-2	-1	0	-1	-1	2	2	2	0	-2	-2	-1
1933	Critical	-2	-4	-3	-1	-1	-1	2	3	3	1	0	0	0
1934	Critical	-2	-3	-2	-1	0	0	0	0	0	0	0	0	-1
1935	Below Norma	0	0	0	0	0	0	5	0	0	0	0	0	0
1936	Below Norma	0	1	-1	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	-5	0	0	0	25	-2	-3	-2	-3	-2	-2	1
1938	Wet	-3	-3	-3	0	0	0	0	0	0	0	0	0	-1
1939	Dry	0	0	0	0	0	1	1	1	1	1	1	1	0
1940	Above Norma	1	1	1	-1	-1	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	5	-2	0	0	0	-1	0	0	0	0
1942	Wet	-5	-2	-2	0	0	0	0	0	0	0	0	0	-1
1943	Wet	0	0	0	0	0	0	1	1	1	1	1	1	0
1944	Dry	1	1	1	0	20	0	-4	-4	-4	-4	-4	-4	0
1945	Below Norma	-4	-4	-4	-1	1	-7	0	1	1	1	1	1	-1
1946	Below Norma	1	1	1	-1	0	0	0	0	1	0	0	0	0
1947	Dry	0	0	0	0	0	0	4	5	4	5	5	5	2
1948	Below Norma	4	4	4	1	1	0	-1	-2	-2	-2	-2	-2	0
1949	Dry	-2	-2	-2	0	-1	0	-2	-3	-3	-3	-4	-4	-2
1950	Below Norma	-3	-3	-2	-1	0	11	2	2	2	2	2	2	1
1951	Above Norma	2	2	2	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	-3	0	0
1955	Dry	0	0	0	0	0	1	-3	-1	-1	1	2	3	0
1956	Wet	3	5	4	0	0	0	0	0	0	0	0	0	1
1957	Above Norma	0	0	0	0	0	0	3	4	2	2	2	2	1
1958	Wet	2	2	2	0	-3	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	-1	2	1	1	1	1	1	1	1
1960	Dry	1	1	1	1	1	0	15	3	-2	5	-5	-6	1
1961	Dry	7	7	12	20	16	-13	4	1	0	2	0	-1	5
1962	Below Norma	2	2	4	5	5	-50	-4	-3	-1	-2	-1	-1	-4
1963	Wet	-4	-4	-3	0	0	0	0	0	1	-4	-3	-1	-1
1964	Dry	-1	-1	-1	32	0	5	16	-9	-38	3	-1	-2	0
1965	Wet	3	3	6	1	0	1	2	2	2	2	2	2	2
1966	Below Norma	2	2	2	0	0	0	0	0	0	0	0	0	1
1967	Wet	0	0	0	18	-2	0	-1	-1	-1	-1	-2	-1	1
1968	Below Norma	-1	-1	0	0	0	0	1	1	1	1	1	1	0
1969	Wet	1	1	1	16	-1	0	-1	0	-1	-1	-1	-1	1
1970	Wet	-1	-1	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	4	0	0
1972	Below Norma	-2	-1	-1	20	-1	0	11	-2	-5	0	-6	-6	1
1973	Above Norma	1	1	5	10	6	0	0	0	0	0	0	0	2
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	-20	-16	5	5	5	5	5	-1
1977	Critical	5	5	5	4	3	1	-3	-5	-5	-4	-4	-4	0
1978	Above Norma	-2	-2	-1	56	-10	0	0	0	-3	0	0	0	3
1979	Below Norma	0	0	0	-9	-4	-4	0	0	0	0	0	0	-1
1980	Above Norma	0	0	0	0	0	0	-1	1	1	1	1	1	0
1981	Dry	1	1	1	0	0	0	1	1	1	1	1	1	1
1982	Wet	1	1	1	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	-4	-2	6	-3	-3	-1
1986	Wet	-3	-3	-3	-1	0	0	3	3	3	3	3	3	0
1987	Dry	3	3	3	3	-2	8	0	0	0	0	0	0	2
1988	Critical	0	0	0	1	1	0	-1	-1	-1	-1	-1	-1	0
1989	Dry	0	0	0	0	-1	0	0	0	-1	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	1	2	2	1	1	1	1
1992	Critical	1	1	1	0	0	-1	3	2	2	0	-1	-1	0
1993	Above Norma	-2	-3	-2	0	0	0	0	0	0	0	0	0	-1
1994	Critical	0	0	0	2	0	3	9	1	-2	3	-3	-4	1
1995	Wet	4	5	9	17	0	0	3	3	0	2	1	1	4
1996	Wet	3	0	-3	-4	-7	0	1	0	0	0	0	0	-1
1997	Wet	0	0	0	0	0	0	3	3	3	3	3	3	1
1998	Wet	3	2	2	0	0	0	0	0	0	0	0	0	1
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	26	0	0	3	3	-2	2	1	-2	3
2001	Dry	-2	-2	-2	0	0	0	1	1	1	1	1	1	0
2002	Dry	1	1	1	0	7	0	4	3	2	3	2	2	2
2003	Above Norma	3	3	3	15	0	14	-4	-1	-7	3	2	0	3
Average		0	0	1	3	0	0	1	0	-1	0	0	0	0
Wet		0	0	0	2	-1	0	0	0	0	0	0	0	0
Above Norma		0	0	1	10	0	1	1	1	-1	0	0	0	1
Below Norma		0	0	0	1	0	-2	1	0	0	0	0	0	0
Dry		0	1	1	3	2	1	2	0	-3	1	0	-1	1
Critical		1	0	1	2	2	-1	-1	0	0	0	0	-1	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at Pearblossom: CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	280%	4%	0%	-1%	-1%	0%	-1%	-1%	-1%
1923	Below Norma	-1%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	13%
1924	Critical	6%	3%	3%	2%	2%	3%	4%	4%	4%	4%	4%	4%
1925	Dry	4%	4%	4%	3%	2%	29%	-6%	-6%	-6%	-2%	2%	3%
1926	Dry	8%	15%	13%	9%	-19%	44%	-1%	-2%	-2%	-2%	-2%	-2%
1927	Wet	-2%	-3%	-2%	1%	-3%	0%	0%	0%	0%	0%	0%	0%
1928	Above Norma	0%	0%	0%	11%	-1%	0%	20%	4%	-5%	-5%	-5%	-5%
1929	Critical	-5%	-5%	-5%	1%	1%	1%	0%	0%	0%	0%	0%	0%
1930	Dry	0%	0%	0%	1%	1%	-1%	21%	3%	-2%	6%	-3%	-4%
1931	Critical	8%	7%	19%	114%	95%	66%	-8%	-8%	-8%	-8%	-8%	-8%
1932	Dry	-8%	-8%	-8%	-7%	-2%	-13%	4%	3%	3%	0%	-3%	-3%
1933	Critical	-7%	-11%	-10%	-6%	-5%	-1%	6%	5%	2%	-1%	-1%	-1%
1934	Critical	-4%	-8%	-7%	-6%	-4%	-3%	-1%	-1%	-1%	-1%	-1%	-1%
1935	Below Norma	-1%	-1%	-1%	0%	0%	0%	7%	0%	0%	0%	0%	0%
1936	Below Norma	0%	2%	-2%	-1%	0%	0%	0%	0%	0%	0%	0%	0%
1937	Below Norma	1%	-6%	0%	1%	0%	44%	-3%	-3%	-3%	-2%	-2%	-2%
1938	Wet	-3%	-3%	-3%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%	1%
1940	Above Norma	1%	1%	1%	-2%	1%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	6%	-2%	0%	0%	0%	-2%	0%	0%	0%
1942	Wet	-6%	-2%	-2%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%
1944	Dry	1%	1%	1%	1%	30%	0%	-4%	-4%	-4%	-4%	-4%	-4%
1945	Below Norma	-4%	-5%	-4%	-1%	2%	-7%	0%	1%	1%	1%	1%	1%
1946	Below Norma	1%	1%	1%	-1%	0%	0%	0%	2%	1%	0%	0%	0%
1947	Dry	0%	0%	0%	0%	0%	-1%	6%	6%	6%	6%	6%	6%
1948	Below Norma	6%	6%	6%	3%	3%	1%	-3%	-2%	-2%	-2%	-2%	-2%
1949	Dry	-2%	-2%	-2%	-1%	-1%	-1%	-5%	-6%	-6%	-6%	-6%	-6%
1950	Below Norma	-6%	-6%	-6%	-5%	-2%	57%	2%	2%	2%	2%	2%	2%
1951	Above Norma	2%	2%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	-4%	0%	0%
1955	Dry	0%	0%	0%	-1%	0%	3%	-8%	-2%	-2%	2%	4%	4%
1956	Wet	8%	12%	11%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norma	0%	0%	0%	0%	0%	0%	3%	6%	2%	2%	3%	3%
1958	Wet	3%	3%	3%	0%	-3%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	0%	0%	-1%	2%	1%	1%	1%	1%	1%	1%
1960	Dry	1%	1%	1%	1%	1%	0%	26%	4%	-3%	8%	-6%	-7%
1961	Dry	10%	11%	22%	77%	59%	-35%	8%	2%	0%	3%	0%	-1%
1962	Below Norma	3%	3%	7%	23%	21%	-66%	-5%	-3%	-1%	-2%	-1%	-1%
1963	Wet	-5%	-5%	-3%	0%	0%	0%	0%	1%	-4%	-3%	-1%	-1%
1964	Dry	-1%	-1%	-1%	54%	0%	5%	28%	-14%	-61%	5%	-2%	-2%
1965	Wet	6%	6%	11%	1%	-1%	2%	3%	3%	3%	3%	3%	3%
1966	Below Norma	3%	3%	3%	0%	0%	0%	1%	1%	1%	1%	1%	1%
1967	Wet	1%	1%	1%	27%	-2%	0%	-2%	-2%	-2%	-2%	-2%	-2%
1968	Below Norma	-2%	-2%	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%
1969	Wet	1%	1%	1%	26%	-2%	0%	-1%	0%	-1%	-1%	-2%	-2%
1970	Wet	-2%	-2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	4%	0%
1972	Below Norma	-2%	-2%	-1%	29%	-1%	0%	23%	-3%	-7%	-1%	-8%	-10%
1973	Above Norma	2%	1%	11%	13%	8%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	-21%	-21%	9%	9%	9%	9%	9%
1977	Critical	9%	9%	9%	7%	7%	5%	-20%	-21%	-20%	-20%	-20%	-21%
1978	Above Norma	-22%	-24%	-22%	1389%	-15%	0%	0%	0%	-3%	0%	0%	0%
1979	Below Norma	0%	0%	0%	-32%	-4%	-5%	0%	0%	0%	0%	0%	0%
1980	Above Norma	0%	0%	0%	0%	0%	0%	-2%	1%	1%	1%	1%	1%
1981	Dry	1%	1%	1%	0%	0%	0%	1%	1%	1%	1%	1%	1%
1982	Wet	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	-1%	-5%	-3%	10%	-5%	-4%
1986	Wet	-4%	-4%	-4%	-2%	0%	0%	4%	4%	4%	4%	4%	4%
1987	Dry	4%	4%	4%	3%	-2%	10%	1%	1%	1%	1%	1%	1%
1988	Critical	1%	1%	1%	1%	3%	1%	-2%	-2%	-2%	-2%	-2%	-2%
1989	Dry	-2%	-2%	-1%	-2%	-4%	-9%	0%	-1%	0%	0%	0%	0%
1990	Critical	0%	0%	0%	-6%	-1%	1%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	0%	0%	-2%	-4%	4%	4%	4%	4%	4%	4%
1992	Critical	4%	4%	4%	3%	2%	-22%	7%	3%	3%	1%	-2%	-2%
1993	Above Norma	-5%	-8%	-8%	-5%	0%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	3%	0%	4%	21%	2%	-4%	5%	-5%	-7%
1995	Wet	9%	10%	22%	59%	0%	0%	3%	3%	0%	2%	2%	1%
1996	Wet	3%	0%	-3%	-4%	-8%	0%	1%	1%	1%	1%	1%	1%
1997	Wet	1%	1%	1%	0%	0%	0%	4%	5%	4%	4%	5%	5%
1998	Wet	5%	5%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norma	0%	0%	0%	46%	0%	0%	3%	3%	-2%	2%	1%	-2%
2001	Dry	-2%	-2%	-2%	0%	1%	0%	2%	2%	2%	2%	2%	2%
2002	Dry	2%	2%	2%	1%	10%	0%	6%	4%	3%	4%	3%	3%
2003	Above Norma	5%	5%	6%	20%	0%	19%	-6%	-1%	-8%	13%	30%	0%
Average		0%	0%	1%	26%	2%	1%	2%	0%	-1%	1%	0%	0%
Wet		1%	1%	1%	4%	-1%	0%	1%	1%	0%	1%	1%	0%
Above Norma		-1%	-2%	-1%	146%	-1%	2%	2%	1%	-1%	1%	2%	0%
Below Norma		0%	0%	0%	1%	1%	2%	2%	0%	0%	0%	-1%	0%
Dry		1%	1%	2%	8%	4%	2%	4%	-1%	-4%	2%	-1%	-1%
Critical		1%	0%	1%	9%	8%	2%	-1%	0%	-1%	0%	-2%	-2%

Difference in Energy Use (GWh) At Pumping Plant at South Bay: CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	1	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	1	1	0	0	1	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	0	0	0	0	0	0	1	1	0	0
1926	Dry	0	0	1	1	0	1	-2	0	0	0	0	0	0
1927	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	5	1	1	-1	-1	-1	-1	-1	-1	0
1929	Critical	-1	-1	-1	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	0	-3	0	3	3	2	-4	1	1	0
1931	Critical	1	2	1	-3	-3	-1	0	0	0	-1	-1	-1	0
1932	Dry	0	0	0	-1	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	-1	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	-1	0	0	0	0	0	0	0	0	0	0
1935	Below Norma	0	0	0	0	0	0	-4	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	0	0	0	0	0	2	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1940	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	4	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	4	-1	-1	-1	-1	-1	0	-1	0
1945	Below Norma	-1	0	0	0	5	0	0	0	0	0	0	0	0
1946	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1947	Dry	0	0	0	0	0	0	1	1	1	1	1	1	0
1948	Below Norma	1	1	1	0	0	0	0	0	0	0	0	0	0
1949	Dry	0	0	0	0	0	0	0	0	0	-1	-1	-1	0
1950	Below Norma	0	-1	0	0	0	0	0	0	0	0	0	0	0
1951	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	1	1	1	1	1	0
1956	Wet	0	0	1	0	0	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	4	4	3	1	1	2	1
1961	Dry	2	2	2	-4	-17	12	1	1	1	0	0	1	0
1962	Below Norma	0	1	1	-1	-1	1	-4	0	-1	-1	-1	0	-1
1963	Wet	0	0	0	0	0	1	1	0	0	0	0	0	0
1964	Dry	0	0	0	7	0	3	1	1	1	0	0	0	1
1965	Wet	0	0	0	-2	0	0	0	0	0	0	0	0	0
1966	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	3	-6	0	2	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	3	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	5	0	1	2	2	1	1	0	1	1
1973	Above Norma	0	1	1	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	1	0	-1	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	10	0	-3	1	1	1	1	1	1
1977	Critical	1	1	1	0	0	0	0	0	0	0	0	-1	0
1978	Above Norma	0	0	0	-1	-3	-1	0	-1	0	1	1	0	0
1979	Below Norma	1	1	1	0	0	0	0	0	0	0	0	0	0
1980	Above Norma	0	0	0	1	-7	0	3	0	0	0	0	0	0
1981	Dry	0	0	0	0	-1	0	1	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	-1	0	0	0	0
1986	Wet	0	0	0	0	5	0	0	0	1	1	1	1	1
1987	Dry	1	0	0	1	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	-9	4	0	0	0	0	0	0
1993	Above Norma	0	0	-1	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	3	3	2	1	1	1	1
1995	Wet	1	2	1	-3	-2	-1	-1	1	1	1	1	1	0
1996	Wet	1	1	-8	0	3	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	1	1	1	1	1	0
1998	Wet	1	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	-1	1	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	4	0	0	0	-1	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	1	0	1	1	1	1	1	1	0
2003	Above Norma	1	1	1	2	-1	1	-1	0	0	0	0	0	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norma		0	0	0	1	-1	0	0	0	0	0	0	0	0
Below Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Dry		0	0	0	0	-1	1	0	1	0	0	0	0	0
Critical		0	0	0	0	1	-1	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at South Bay: CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	148%	4%	0%	-1%	-1%	-1%	-1%	-1%	-1%
1923	Below Norma	-2%	-1%	-1%	0%	0%	0%	0%	3%	3%	3%	3%	3%
1924	Critical	7%	5%	3%	1%	0%	1%	1%	3%	3%	3%	3%	3%
1925	Dry	4%	4%	4%	2%	5%	50%	0%	2%	4%	6%	6%	5%
1926	Dry	-9%	-21%	22%	12%	0%	16%	-12%	-2%	-2%	-1%	-1%	-2%
1927	Wet	-4%	-3%	-3%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1928	Above Norma	-1%	0%	0%	96%	7%	7%	-4%	-5%	-4%	-4%	-3%	-4%
1929	Critical	-11%	-8%	-6%	1%	1%	0%	0%	0%	0%	0%	0%	0%
1930	Dry	0%	0%	4%	1%	-15%	2%	40%	34%	21%	-21%	6%	11%
1931	Critical	36%	46%	19%	-43%	-36%	-9%	-4%	-7%	-8%	-7%	-7%	-8%
1932	Dry	-8%	-8%	-8%	-39%	0%	1%	-3%	-3%	-4%	-5%	-5%	-4%
1933	Critical	5%	13%	-18%	-8%	0%	0%	-2%	-3%	-3%	-4%	-4%	-3%
1934	Critical	9%	17%	-11%	-7%	0%	10%	-1%	-1%	-1%	-1%	-1%	-1%
1935	Below Norma	-1%	-10%	-1%	0%	-1%	0%	-21%	-1%	0%	0%	0%	0%
1936	Below Norma	-2%	-1%	-1%	-3%	-1%	0%	0%	0%	0%	0%	0%	0%
1937	Below Norma	1%	0%	0%	7%	0%	0%	8%	-2%	-1%	-1%	-1%	-2%
1938	Wet	-4%	-3%	-2%	2%	0%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%	1%
1940	Above Norma	2%	1%	1%	-3%	-3%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	57%	-2%	0%	-2%	-2%	-2%	-2%	-2%	-2%
1942	Wet	-4%	-3%	-3%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	1%	1%	1%	1%	1%
1944	Dry	3%	2%	1%	1%	81%	-3%	-3%	-3%	-3%	-3%	-3%	-3%
1945	Below Norma	-7%	-5%	-4%	-1%	34%	4%	1%	1%	1%	1%	1%	1%
1946	Below Norma	2%	2%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1947	Dry	0%	0%	0%	0%	1%	0%	6%	6%	6%	6%	6%	6%
1948	Below Norma	14%	10%	6%	0%	1%	-1%	-6%	-2%	-2%	-2%	-2%	-2%
1949	Dry	-3%	-3%	-2%	-4%	-5%	-1%	-3%	-5%	-5%	-5%	-5%	-5%
1950	Below Norma	-6%	-44%	-6%	-5%	-4%	0%	2%	2%	2%	2%	2%	2%
1951	Above Norma	4%	3%	2%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Norma	0%	0%	0%	4%	1%	0%	0%	0%	0%	0%	0%	0%
1955	Dry	-1%	-1%	0%	1%	2%	0%	2%	6%	7%	8%	7%	7%
1956	Wet	-6%	41%	16%	3%	0%	0%	-1%	-1%	-1%	-1%	-1%	-1%
1957	Above Norma	-1%	-1%	-1%	3%	1%	2%	2%	2%	2%	2%	2%	2%
1958	Wet	7%	4%	3%	0%	1%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%	1%
1960	Dry	3%	2%	1%	0%	5%	0%	27%	36%	22%	8%	6%	13%
1961	Dry	33%	47%	24%	-80%	-88%	156%	11%	10%	7%	3%	2%	4%
1962	Below Norma	11%	14%	7%	-22%	-22%	3%	-22%	-2%	-3%	-4%	-4%	-3%
1963	Wet	-5%	-3%	-2%	0%	0%	4%	3%	-1%	-1%	-1%	-1%	-1%
1964	Dry	-2%	-1%	-1%	479%	-3%	17%	7%	9%	6%	1%	0%	1%
1965	Wet	1%	9%	3%	-13%	0%	0%	2%	3%	3%	3%	3%	3%
1966	Below Norma	8%	5%	3%	-1%	0%	0%	1%	1%	0%	0%	0%	1%
1967	Wet	1%	1%	1%	98%	-32%	0%	11%	0%	-1%	-1%	-1%	-1%
1968	Below Norma	-3%	0%	-2%	0%	0%	1%	1%	1%	1%	1%	1%	1%
1969	Wet	3%	2%	1%	85%	0%	0%	-1%	0%	-1%	-1%	-1%	-1%
1970	Wet	-3%	-2%	0%	-1%	0%	1%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1972	Below Norma	0%	0%	0%	144%	-2%	4%	16%	24%	14%	5%	3%	5%
1973	Above Norma	25%	31%	10%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	6%	0%	-4%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	1%	98%	-1%	-21%	9%	8%	8%	8%	9%
1977	Critical	28%	16%	9%	4%	-1%	-2%	-6%	-18%	-17%	-17%	-17%	-19%
1978	Above Norma	-22%	-22%	-22%	-11%	-32%	-6%	0%	-3%	0%	3%	3%	2%
1979	Below Norma	7%	6%	5%	-5%	3%	1%	0%	1%	1%	1%	1%	1%
1980	Above Norma	1%	1%	1%	6%	-42%	0%	17%	1%	1%	1%	1%	1%
1981	Dry	2%	1%	1%	1%	-9%	0%	10%	1%	1%	1%	1%	1%
1982	Wet	3%	2%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	1%	0%	-2%	-3%	-3%	-3%	-3%	-3%
1986	Wet	-7%	-5%	-3%	0%	33%	1%	2%	2%	4%	4%	4%	4%
1987	Dry	10%	6%	4%	10%	2%	2%	0%	1%	1%	1%	1%	1%
1988	Critical	2%	1%	1%	-2%	8%	-1%	-1%	-2%	-2%	-2%	-2%	-2%
1989	Dry	-2%	-2%	-2%	-21%	0%	-1%	1%	1%	1%	1%	1%	1%
1990	Critical	2%	2%	1%	-6%	8%	1%	0%	0%	0%	0%	0%	0%
1991	Critical	1%	1%	1%	0%	-2%	-1%	2%	4%	4%	4%	4%	4%
1992	Critical	4%	4%	4%	4%	23%	-44%	74%	-2%	-3%	-4%	-3%	-3%
1993	Above Norma	5%	13%	-12%	-7%	-1%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	1%	0%	0%	5%	5%	2%	23%	33%	22%	10%	7%	12%
1995	Wet	64%	53%	21%	-78%	-16%	-4%	-3%	4%	4%	4%	3%	4%
1996	Wet	8%	6%	-40%	0%	15%	1%	1%	1%	1%	1%	1%	1%
1997	Wet	1%	1%	1%	0%	0%	1%	4%	4%	4%	4%	4%	4%
1998	Wet	15%	8%	5%	-2%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	-8%	8%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norma	1%	0%	0%	264%	-4%	0%	-1%	-3%	-2%	-2%	-2%	-2%
2001	Dry	-5%	-4%	-3%	0%	1%	0%	2%	2%	2%	2%	2%	2%
2002	Dry	9%	4%	2%	2%	7%	0%	5%	7%	6%	5%	4%	5%
2003	Above Norma	13%	10%	6%	23%	-5%	9%	-4%	-2%	-1%	-1%	-1%	-2%
Average		3%	3%	0%	14%	0%	3%	2%	2%	1%	0%	0%	1%
Wet		2%	4%	0%	6%	0%	0%	1%	0%	0%	0%	0%	0%
Above Norma		2%	3%	-1%	44%	-6%	1%	1%	-1%	0%	0%	0%	0%
Below Norma		2%	-2%	1%	8%	1%	1%	-1%	2%	1%	1%	0%	1%
Dry		2%	1%	3%	20%	-1%	13%	5%	6%	4%	0%	1%	2%
Critical		7%	8%	0%	-4%	9%	-4%	6%	1%	0%	-1%	-1%	-1%

Difference in Energy Use (GWh) At Pumping Plant at SWP Banks: CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norm	0	0	0	0	0	0	0	0	0	-2	0	0	0
1923	Below Norm	2	0	0	0	11	1	0	-1	1	0	-7	6	1
1924	Critical	10	-1	11	-9	33	0	-3	-6	-22	12	1	-28	0
1925	Dry	-13	-1	-2	28	0	0	0	0	0	0	0	14	2
1926	Dry	-1	0	0	0	3	-3	0	1	3	4	1	-2	0
1927	Wet	-3	0	0	0	0	0	0	0	0	-11	10	0	0
1928	Above Norm	0	0	0	0	11	0	9	4	-1	-9	6	-3	1
1929	Critical	8	0	3	0	0	1	0	0	0	-8	1	0	0
1930	Dry	0	0	0	0	-11	0	0	-3	7	40	-21	-2	1
1931	Critical	15	0	20	-6	20	-2	0	1	-26	-8	0	0	1
1932	Dry	0	0	0	0	-6	0	0	0	0	0	0	0	-1
1933	Critical	0	0	-8	0	-1	0	0	0	0	0	0	-7	-1
1934	Critical	-1	-4	0	0	0	0	0	0	0	-2	3	0	0
1935	Below Norm	1	0	1	0	0	-5	0	0	0	-1	0	0	0
1936	Below Norm	0	0	0	0	0	0	0	0	0	1	1	0	0
1937	Below Norm	0	0	1	7	0	0	0	1	-3	-3	-3	0	0
1938	Wet	0	0	0	0	0	-3	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	-4	0	0	8	-1	1	2	0
1940	Above Norm	2	2	3	0	0	0	0	0	0	0	0	0	1
1941	Wet	0	0	0	0	0	0	0	0	2	2	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	2	3	0	0
1943	Wet	0	0	0	-5	0	0	0	1	0	2	2	0	0
1944	Dry	2	0	2	0	0	-3	0	0	-6	0	0	5	0
1945	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1946	Below Norm	3	0	0	0	1	-5	0	0	1	9	8	0	1
1947	Dry	-1	-9	0	0	1	15	0	0	17	13	9	8	4
1948	Below Norm	7	0	-1	3	0	0	0	-5	18	-18	-7	-7	-1
1949	Dry	-9	0	0	1	-4	0	0	0	0	-15	-4	-2	-3
1950	Below Norm	-2	-7	-5	0	0	-1	-1	0	5	7	-4	2	0
1951	Above Norm	7	0	0	0	0	0	0	0	-3	3	3	1	1
1952	Wet	1	5	0	0	0	-9	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	-2	0	8	0	0	1
1954	Above Norm	0	0	0	0	0	0	0	0	-1	1	-3	-3	-1
1955	Dry	13	-4	0	0	0	13	1	0	0	0	-9	0	1
1956	Wet	0	0	0	0	18	0	0	0	0	0	-1	0	1
1957	Above Norm	0	0	0	0	0	0	0	0	5	12	4	0	2
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norm	0	0	0	0	0	0	0	0	3	2	2	0	1
1960	Dry	3	26	-11	-1	-3	0	1	0	2	8	-2	0	2
1961	Dry	16	-1	0	0	0	-8	0	4	0	1	21	0	3
1962	Below Norm	-9	4	-3	0	0	0	0	1	-25	-6	-1	-6	-4
1963	Wet	0	0	0	0	0	-5	0	0	-2	-15	-14	-1	-3
1964	Dry	-1	0	0	0	0	1	2	0	24	4	5	-7	2
1965	Wet	10	0	0	0	9	-3	0	2	31	-11	-2	2	3
1966	Below Norm	-14	0	0	0	-10	0	0	0	0	1	1	1	-2
1967	Wet	-2	0	0	0	0	4	0	0	0	0	0	0	0
1968	Below Norm	0	0	0	0	0	0	0	0	1	2	2	0	0
1969	Wet	6	-1	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	2	0	0	0	0
1971	Wet	5	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Norm	0	0	0	0	7	0	0	0	-7	10	11	0	2
1973	Above Norm	0	0	0	0	0	0	0	0	1	1	1	0	0
1974	Wet	-1	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	59	-1	0	0	-18	21	-6	1	5
1977	Critical	-3	0	22	0	-13	1	0	0	0	0	59	2	6
1978	Above Norm	-12	2	1	0	-4	-2	0	-11	-3	10	8	-1	-1
1979	Below Norm	0	0	0	0	0	0	0	0	2	2	-3	0	0
1980	Above Norm	0	0	0	0	0	5	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	4	0	0	1	3	3	-1	1
1982	Wet	2	0	0	0	0	1	0	0	0	0	-1	0	0
1983	Wet	0	0	1	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	-4	0	0	-1	0	-14	0	0	9	0	-1	-11	-2
1986	Wet	0	0	0	0	0	0	0	1	-2	7	11	0	1
1987	Dry	7	5	-2	-13	0	0	2	0	19	10	0	2	2
1988	Critical	-5	1	0	0	0	0	0	0	0	-10	0	0	-1
1989	Dry	0	0	-4	-1	-1	0	2	0	0	3	0	12	1
1990	Critical	0	-4	-3	0	0	0	0	0	0	1	0	0	-1
1991	Critical	0	0	0	0	-1	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	-14	0	0	0	0	8	0	0
1993	Above Norm	-5	-3	-3	0	0	0	0	-7	0	4	4	-1	-1
1994	Critical	1	0	0	-1	0	0	0	0	26	-5	-4	5	2
1995	Wet	-2	-11	-5	0	0	0	0	0	0	0	0	0	-2
1996	Wet	0	0	0	18	1	0	0	0	1	1	0	0	2
1997	Wet	2	0	0	0	0	0	0	0	6	6	-1	0	1
1998	Wet	13	1	0	0	0	0	0	0	0	0	0	0	1
1999	Wet	0	0	0	0	0	0	0	0	0	1	0	0	0
2000	Above Norm	0	0	0	0	0	0	0	0	0	5	3	1	1
2001	Dry	-7	1	-2	0	0	0	0	9	0	0	-4	10	1
2002	Dry	-1	0	0	0	0	-1	0	0	5	11	4	1	2
2003	Above Norm	0	38	0	0	0	-28	-2	0	18	0	0	0	2
Average		1	0	0	0	1	-1	0	0	1	1	1	0	0
Wet		1	0	0	0	1	-1	0	0	1	-1	1	0	0
Above Norm		-1	3	0	0	1	-2	1	-1	2	2	2	0	0
Below Norm		-1	0	-1	1	1	-1	0	0	0	0	0	0	0
Dry		0	1	-1	1	-1	0	0	1	5	4	0	2	1
Critical		3	-1	4	-1	8	-1	0	0	-3	0	5	-2	1

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at SWP Banks: CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	-4%	0%	0%
1923	Below Norm	2%	0%	0%	0%	14%	1%	0%	-2%	2%	0%	-6%	6%
1924	Critical	13%	-2%	15%	-13%	641%	0%	-25%	-52%	-64%	46%	4%	-51%
1925	Dry	-24%	-2%	-2%	30%	0%	0%	0%	0%	0%	0%	0%	24%
1926	Dry	-2%	0%	0%	0%	2%	-7%	0%	2%	4%	11%	2%	-4%
1927	Wet	-4%	0%	0%	0%	0%	0%	0%	-1%	0%	-15%	13%	0%
1928	Above Norm	0%	0%	0%	0%	10%	0%	13%	8%	-1%	-33%	8%	-4%
1929	Critical	14%	0%	3%	0%	0%	2%	0%	0%	0%	-45%	1%	0%
1930	Dry	-1%	0%	0%	0%	-15%	0%	0%	-11%	15%	562%	-28%	-3%
1931	Critical	33%	0%	37%	-7%	413%	-7%	0%	9%	-40%	-13%	-1%	0%
1932	Dry	-2%	-1%	0%	0%	-5%	0%	0%	0%	0%	0%	0%	0%
1933	Critical	0%	0%	-11%	0%	-1%	0%	0%	0%	0%	0%	0%	-20%
1934	Critical	-3%	-10%	0%	0%	0%	0%	0%	0%	0%	0%	-4%	6%
1935	Below Norm	1%	0%	1%	0%	0%	-4%	0%	-1%	0%	-2%	0%	0%
1936	Below Norm	0%	0%	-1%	0%	0%	0%	0%	1%	0%	1%	1%	0%
1937	Below Norm	0%	0%	2%	5%	0%	0%	0%	2%	-6%	-5%	-5%	0%
1938	Wet	0%	0%	0%	0%	0%	-2%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	0%	-5%	-1%	0%	16%	-2%	1%	3%
1940	Above Norm	2%	5%	4%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	0%	0%	0%	0%	0%	5%	4%	0%	0%
1942	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	7%	3%	0%
1943	Wet	0%	0%	0%	-4%	0%	0%	0%	3%	0%	3%	4%	0%
1944	Dry	2%	0%	3%	0%	0%	-3%	0%	0%	-8%	0%	0%	5%
1945	Below Norm	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	1%	0%
1946	Below Norm	3%	0%	0%	0%	6%	-5%	0%	0%	1%	8%	7%	0%
1947	Dry	-1%	-10%	0%	0%	1%	14%	0%	0%	261%	13%	9%	10%
1948	Below Norm	10%	0%	-1%	3%	0%	0%	1%	-7%	28%	-16%	-7%	-7%
1949	Dry	-11%	0%	0%	1%	-10%	0%	0%	0%	0%	-20%	-9%	-4%
1950	Below Norm	-7%	-13%	-12%	0%	0%	-1%	-1%	0%	7%	10%	-7%	2%
1951	Above Norm	7%	0%	0%	0%	0%	0%	0%	0%	0%	-3%	3%	4%
1952	Wet	2%	4%	0%	0%	0%	-7%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	-2%	0%	0%	21%	0%
1954	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	-3%	2%	-3%	-4%
1955	Dry	15%	-3%	0%	0%	0%	46%	2%	0%	0%	-4%	-17%	0%
1956	Wet	0%	0%	0%	0%	14%	0%	0%	0%	0%	-1%	-1%	0%
1957	Above Norm	0%	0%	0%	0%	0%	0%	2%	0%	7%	24%	5%	0%
1958	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	4%	3%	3%	0%
1960	Dry	4%	58%	-11%	-1%	-2%	0%	23%	0%	3%	13%	-2%	0%
1961	Dry	32%	-2%	0%	0%	0%	-9%	-1%	30%	1%	1%	27%	0%
1962	Below Norm	-14%	7%	-3%	1%	0%	0%	0%	9%	-34%	-5%	-1%	-6%
1963	Wet	0%	0%	0%	0%	0%	-4%	0%	0%	-3%	-16%	-16%	-1%
1964	Dry	-1%	0%	0%	0%	0%	2%	5%	1%	41%	3%	5%	-11%
1965	Wet	17%	0%	0%	0%	7%	-4%	0%	8%	108%	-30%	-5%	2%
1966	Below Norm	-18%	0%	0%	0%	-9%	0%	0%	0%	0%	1%	1%	2%
1967	Wet	-3%	0%	0%	0%	0%	3%	0%	0%	0%	0%	0%	0%
1968	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	1%	3%	3%	-1%
1969	Wet	7%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	0%	0%	0%	3%	0%	0%	0%
1971	Wet	4%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1972	Below Norm	0%	0%	0%	0%	10%	0%	0%	0%	-13%	16%	20%	0%
1973	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	1%	1%	1%	0%
1974	Wet	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	89%	-1%	0%	-1%	-34%	141%	-8%	1%
1977	Critical	5%	0%	24%	-1%	-72%	8%	0%	3%	0%	0%	536%	6%
1978	Above Norm	-56%	8%	0%	0%	-4%	-1%	0%	-11%	-5%	22%	22%	-1%
1979	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	2%	3%	-6%	0%
1980	Above Norm	0%	0%	0%	0%	0%	4%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	0%	4%	0%	0%	1%	4%	5%	-1%
1982	Wet	2%	0%	0%	0%	0%	1%	0%	0%	0%	0%	-1%	0%
1983	Wet	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	-4%	0%	0%	-1%	0%	-26%	0%	0%	12%	0%	0%	-11%
1986	Wet	0%	0%	0%	0%	0%	0%	0%	1%	-3%	115%	23%	0%
1987	Dry	10%	8%	-3%	-10%	0%	0%	31%	0%	50%	23%	0%	3%
1988	Critical	-9%	1%	0%	0%	0%	-1%	0%	1%	0%	-32%	0%	0%
1989	Dry	0%	0%	-7%	-1%	-9%	0%	4%	-1%	0%	3%	0%	15%
1990	Critical	0%	-6%	-5%	0%	0%	0%	0%	0%	0%	10%	1%	0%
1991	Critical	0%	1%	-1%	0%	-3%	0%	0%	0%	0%	0%	0%	0%
1992	Critical	0%	0%	0%	0%	0%	-14%	0%	0%	0%	0%	37%	0%
1993	Above Norm	-15%	-11%	-3%	0%	0%	0%	0%	-10%	0%	6%	8%	-1%
1994	Critical	1%	0%	0%	-1%	0%	0%	0%	0%	56%	-4%	-4%	9%
1995	Wet	-6%	-20%	-8%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	0%	15%	1%	0%	0%	0%	2%	2%	0%	0%
1997	Wet	4%	0%	0%	0%	0%	0%	0%	0%	22%	22%	-2%	0%
1998	Wet	22%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%
2000	Above Norm	0%	0%	0%	0%	0%	0%	0%	-1%	0%	5%	3%	1%
2001	Dry	-7%	1%	-2%	0%	0%	0%	0%	124%	0%	0%	-5%	18%
2002	Dry	-4%	0%	0%	0%	7%	-1%	0%	0%	37%	15%	4%	1%
2003	Above Norm	1%	109%	0%	0%	0%	-24%	-4%	0%	18%	0%	0%	0%
Average		0%	1%	0%	0%	13%	0%	1%	1%	6%	10%	8%	0%
Wet		2%	-1%	0%	0%	1%	0%	0%	0%	5%	4%	1%	0%
Above Norm		-5%	9%	0%	0%	1%	-2%	1%	-1%	1%	2%	4%	0%
Below Norm		-2%	0%	-1%	1%	1%	-1%	0%	0%	-1%	1%	0%	0%
Dry		0%	3%	-1%	1%	-2%	1%	4%	8%	24%	34%	-1%	3%
Critical		4%	-1%	5%	-2%	89%	-1%	-2%	-3%	-7%	9%	47%	-4%

Difference in Energy Use (GWh) At Pumping Plant at SWP Dos Amigos: CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	2	1	-3	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	1	1	1	1	3	0
1924	Critical	2	1	1	0	0	0	0	0	1	1	1	0	1
1925	Dry	0	0	0	-8	0	0	0	0	0	1	2	2	0
1926	Dry	2	2	2	0	-5	8	-2	0	-1	-1	-1	-1	0
1927	Wet	-1	-1	-1	0	0	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	6	1	2	5	1	-1	-1	-1	-1	1
1929	Critical	-1	-1	-1	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	0	-5	0	5	3	0	-2	0	1	0
1931	Critical	3	3	6	4	3	1	-1	-2	-3	-3	-2	-1	1
1932	Dry	-1	0	0	0	0	0	0	0	0	-1	-2	-1	0
1933	Critical	-1	-1	-1	-1	4	0	0	0	0	-1	-1	-1	0
1934	Critical	-1	-2	-1	0	2	0	0	0	0	0	0	0	0
1935	Below Norma	0	0	0	0	0	0	1	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	-1	1	0	0	3	0	-1	-1	-1	-1	-1	0
1938	Wet	-1	-1	-1	0	0	2	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1940	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	4	0	0	0	0	0	0	0	0	0
1942	Wet	-1	-1	-1	0	2	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	1	1	1	0	0
1944	Dry	0	0	0	0	9	0	-1	-2	-2	-2	-2	-1	0
1945	Below Norma	-1	-1	-1	0	3	-3	0	1	1	1	1	0	0
1946	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1947	Dry	0	0	0	0	0	5	2	3	3	3	3	2	2
1948	Below Norma	2	2	2	0	0	0	-1	-1	-1	-1	-1	-1	0
1949	Dry	-1	-1	-1	0	0	0	-1	-2	-2	-2	-2	-2	-1
1950	Below Norma	-1	-1	-1	0	0	0	1	1	1	1	1	1	0
1951	Above Norma	1	1	1	0	-1	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	2	0	0	0	0	-1	0	0
1955	Dry	0	0	0	0	0	1	0	1	1	2	3	2	1
1956	Wet	2	2	2	0	0	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	1	2	1	1	1	1	1
1958	Wet	1	1	1	-1	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	1	1	1	1	0	0
1960	Dry	0	0	0	0	0	0	7	4	-1	-3	-1	0	1
1961	Dry	4	5	8	5	-5	-13	2	1	0	0	0	0	1
1962	Below Norma	1	1	2	1	1	-13	-4	-2	-3	-3	-3	-2	-2
1963	Wet	-2	-2	-2	0	0	1	1	0	0	-1	-1	0	-1
1964	Dry	0	0	0	12	0	5	6	-1	-8	-1	0	0	1
1965	Wet	2	2	3	1	0	-1	0	1	1	1	1	1	1
1966	Below Norma	1	1	1	0	-9	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	6	-7	0	0	0	-1	-1	-1	-1	0
1968	Below Norma	-1	3	0	0	0	0	0	0	1	1	1	0	0
1969	Wet	0	0	0	5	-8	0	0	0	-1	-1	-1	0	0
1970	Wet	0	0	3	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	2	0	0
1972	Below Norma	-1	0	0	8	0	2	5	1	-2	-3	-2	-1	1
1973	Above Norma	1	2	4	-6	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	16	0	-7	3	3	4	4	3	2
1977	Critical	2	2	2	1	1	0	-1	-2	-3	-3	-2	-1	0
1978	Above Norma	-1	0	0	27	-1	-1	0	0	0	1	1	1	2
1979	Below Norma	1	1	2	-3	-1	-1	0	0	0	0	0	0	0
1980	Above Norma	0	0	0	1	0	0	-1	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	-1	0	0	1	1	1	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	-2	-2	0	-2	-1	-1
1986	Wet	-1	-1	-1	0	3	0	0	0	2	2	2	1	0
1987	Dry	1	1	1	1	0	2	0	0	0	0	0	0	1
1988	Critical	0	0	0	0	0	0	0	0	-1	-1	0	0	0
1989	Dry	0	0	0	0	0	-2	0	0	0	1	1	0	0
1990	Critical	0	0	1	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	1	1	1	1	0	0
1992	Critical	0	0	0	0	0	-7	2	0	0	-1	-1	-1	-1
1993	Above Norma	-1	-1	-1	0	0	-1	0	0	0	0	0	0	0
1994	Critical	0	0	0	1	1	1	5	3	-1	-2	-1	0	1
1995	Wet	3	3	6	4	0	-5	0	3	1	2	2	1	2
1996	Wet	1	0	-8	-6	0	0	0	1	0	0	0	0	-1
1997	Wet	0	0	0	0	0	0	1	1	2	2	2	1	1
1998	Wet	1	1	1	0	-1	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	9	0	-10	1	2	0	1	0	-1	0
2001	Dry	-1	-1	-1	0	0	0	0	0	1	1	1	0	0
2002	Dry	0	0	0	0	3	0	2	2	2	2	2	1	1
2003	Above Norma	1	1	2	5	0	5	-2	-1	-2	0	0	0	1
Average		0	0	0	1	0	0	0	0	0	0	0	0	0
Wet		0	0	0	1	-1	0	0	0	0	0	0	0	0
Above Norma		0	0	0	4	0	0	0	0	0	0	0	0	0
Below Norma		0	0	0	0	0	-1	0	0	0	0	0	0	0
Dry		0	0	1	1	0	0	1	1	0	0	0	0	0
Critical		0	0	1	0	2	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at SWP Dos Amigos: CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	106%	4%	-6%	-1%	-1%	0%	-1%	-1%	-1%
1923	Below Norma	-1%	-1%	-1%	0%	0%	0%	0%	1%	1%	1%	2%	8%
1924	Critical	5%	3%	3%	2%	2%	3%	3%	4%	4%	4%	4%	4%
1925	Dry	4%	3%	3%	-32%	0%	14%	-1%	0%	1%	2%	6%	7%
1926	Dry	13%	21%	19%	9%	-10%	43%	-7%	0%	-2%	-2%	-2%	-2%
1927	Wet	-2%	-2%	-2%	1%	-1%	0%	0%	0%	0%	0%	0%	0%
1928	Above Norma	0%	0%	0%	23%	1%	4%	12%	2%	-3%	-3%	-3%	-3%
1929	Critical	-4%	-4%	-4%	1%	1%	1%	0%	0%	0%	0%	0%	0%
1930	Dry	0%	0%	0%	2%	-36%	0%	24%	9%	-1%	-3%	-1%	2%
1931	Critical	12%	15%	34%	67%	57%	23%	-7%	-8%	-8%	-8%	-8%	-8%
1932	Dry	-9%	-8%	-8%	-5%	0%	0%	0%	-1%	-1%	-2%	-5%	-5%
1933	Critical	-9%	-14%	-8%	-15%	27%	0%	1%	0%	0%	-2%	-4%	-4%
1934	Critical	-8%	-12%	-11%	-5%	15%	-2%	-1%	-1%	-1%	-1%	-1%	-1%
1935	Below Norma	-1%	-1%	-1%	0%	0%	0%	3%	0%	0%	0%	0%	0%
1936	Below Norma	0%	0%	-1%	-2%	0%	0%	0%	0%	0%	0%	0%	0%
1937	Below Norma	1%	-2%	2%	4%	0%	8%	-1%	-2%	-2%	-2%	-2%	-2%
1938	Wet	-3%	-3%	-3%	1%	0%	4%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	1%	0%	-1%	1%	1%	1%	1%	1%	1%	1%
1940	Above Norma	1%	1%	1%	-3%	-2%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	14%	0%	0%	0%	0%	0%	0%	0%	-1%
1942	Wet	-4%	-2%	-2%	0%	4%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	1%	1%	1%	1%	1%
1944	Dry	1%	1%	1%	1%	39%	0%	-3%	-3%	-3%	-3%	-3%	-3%
1945	Below Norma	-4%	-4%	-4%	-1%	13%	-8%	1%	1%	1%	1%	1%	1%
1946	Below Norma	1%	1%	1%	0%	0%	0%	0%	1%	0%	0%	0%	0%
1947	Dry	0%	0%	0%	0%	0%	31%	6%	6%	6%	6%	6%	6%
1948	Below Norma	6%	6%	6%	1%	2%	0%	-7%	-2%	-2%	-2%	-2%	-2%
1949	Dry	-2%	-2%	-2%	-2%	-2%	-2%	-5%	-5%	-6%	-6%	-6%	-5%
1950	Below Norma	-6%	-6%	-6%	-3%	-1%	-1%	2%	2%	2%	2%	2%	2%
1951	Above Norma	2%	2%	2%	1%	-4%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Norma	0%	0%	0%	1%	0%	4%	0%	0%	0%	-1%	-2%	0%
1955	Dry	0%	0%	0%	0%	0%	5%	-1%	3%	4%	5%	7%	8%
1956	Wet	12%	17%	17%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norma	0%	0%	0%	1%	0%	1%	3%	4%	2%	2%	2%	2%
1958	Wet	3%	3%	3%	-2%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%	1%
1960	Dry	1%	1%	1%	1%	2%	-1%	25%	11%	-2%	-6%	-3%	1%
1961	Dry	14%	19%	37%	53%	-27%	-33%	8%	4%	0%	-1%	0%	1%
1962	Below Norma	5%	6%	11%	14%	13%	-40%	-9%	-5%	-5%	-5%	-5%	-4%
1963	Wet	-6%	-5%	-5%	-1%	0%	1%	0%	0%	0%	-2%	-2%	-1%
1964	Dry	-1%	-1%	-1%	65%	0%	16%	22%	-2%	-18%	-2%	-1%	1%
1965	Wet	7%	9%	16%	4%	0%	-3%	0%	3%	3%	3%	3%	3%
1966	Below Norma	3%	3%	3%	0%	-20%	0%	0%	0%	0%	0%	0%	0%
1967	Wet	1%	1%	1%	28%	-21%	0%	-1%	0%	-1%	-1%	-1%	-1%
1968	Below Norma	-1%	7%	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%
1969	Wet	1%	1%	1%	27%	-21%	0%	0%	0%	-1%	-1%	-1%	-1%
1970	Wet	-1%	-1%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	3%	-1%
1972	Below Norma	-1%	-1%	-1%	35%	0%	5%	21%	4%	-4%	-7%	-4%	-3%
1973	Above Norma	6%	9%	24%	-14%	0%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	46%	1%	-17%	8%	8%	8%	8%	8%
1977	Critical	9%	9%	9%	6%	6%	2%	-16%	-18%	-20%	-20%	-20%	-18%
1978	Above Norma	-18%	-18%	-17%	124%	-3%	-1%	0%	1%	1%	2%	2%	1%
1979	Below Norma	3%	4%	6%	-29%	-4%	-3%	1%	1%	1%	1%	1%	1%
1980	Above Norma	1%	1%	1%	2%	0%	0%	-1%	1%	1%	1%	1%	1%
1981	Dry	1%	1%	1%	0%	0%	-2%	1%	1%	1%	1%	1%	1%
1982	Wet	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	-1%	-4%	-3%	0%	-4%	-4%
1986	Wet	-4%	-4%	-4%	-2%	15%	0%	0%	1%	4%	4%	4%	4%
1987	Dry	4%	4%	4%	5%	1%	7%	1%	1%	1%	1%	1%	1%
1988	Critical	1%	1%	1%	1%	-1%	0%	-2%	-2%	-2%	-2%	-2%	-2%
1989	Dry	-2%	-2%	-1%	-2%	-7%	-19%	1%	1%	1%	1%	1%	1%
1990	Critical	1%	1%	2%	-4%	1%	2%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	0%	-2%	-3%	-6%	3%	3%	4%	4%	4%	3%
1992	Critical	4%	3%	4%	2%	1%	-67%	14%	-1%	-1%	-2%	-4%	-4%
1993	Above Norma	-7%	-11%	-10%	-5%	0%	-1%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	3%	2%	4%	20%	9%	-1%	-5%	-2%	1%
1995	Wet	13%	17%	33%	47%	0%	-12%	0%	5%	1%	4%	3%	2%
1996	Wet	3%	1%	-18%	-11%	0%	0%	0%	1%	0%	0%	0%	1%
1997	Wet	1%	1%	1%	0%	-1%	0%	4%	4%	4%	4%	4%	4%
1998	Wet	5%	5%	5%	0%	-4%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norma	0%	0%	0%	48%	0%	-19%	2%	3%	0%	1%	0%	-2%
2001	Dry	-2%	-2%	-2%	0%	0%	0%	2%	2%	2%	2%	2%	2%
2002	Dry	2%	2%	2%	1%	10%	0%	6%	5%	4%	3%	4%	4%
2003	Above Norma	5%	6%	7%	20%	0%	18%	-5%	-1%	-3%	0%	0%	0%
Average		1%	1%	2%	7%	1%	0%	1%	1%	0%	0%	0%	0%
Wet		1%	1%	2%	4%	-1%	0%	0%	1%	0%	0%	1%	0%
Above Norma		-1%	-1%	1%	25%	0%	0%	1%	1%	0%	0%	0%	0%
Below Norma		0%	1%	1%	1%	0%	-3%	1%	0%	0%	0%	0%	0%
Dry		1%	2%	3%	5%	-2%	3%	4%	2%	-1%	0%	0%	1%
Critical		1%	0%	2%	5%	13%	-3%	0%	0%	-1%	-2%	-2%	-2%

Difference in Energy Use (GWh) At Pumping Plant at SWP SL: CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norm	0	0	0	-5	-3	8	0	0	0	0	0	0	0
1923	Below Norm	1	1	1	1	9	0	0	0	0	0	0	-4	1
1924	Critical	2	0	8	-9	5	0	0	0	-5	0	2	-16	-1
1925	Dry	-4	0	3	55	0	0	1	0	0	0	0	6	5
1926	Dry	-4	-4	-4	-3	15	-1	7	0	0	0	0	0	0
1927	Wet	-1	2	2	1	1	0	0	0	0	0	0	0	0
1928	Above Norm	0	3	1	-14	11	-5	0	0	0	0	0	-1	0
1929	Critical	0	3	5	1	0	1	0	0	0	0	0	0	1
1930	Dry	0	0	0	-2	0	0	0	0	0	0	0	0	0
1931	Critical	3	-5	6	-11	3	-3	0	0	0	0	3	0	0
1932	Dry	1	4	4	4	-8	0	0	0	0	0	0	2	1
1933	Critical	2	3	-6	3	-11	0	0	0	0	0	-1	0	-1
1934	Critical	1	0	3	2	-5	0	0	0	0	0	0	0	0
1935	Below Norm	1	0	1	0	0	-6	0	0	0	0	0	0	0
1936	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norm	0	0	0	7	1	-8	0	0	0	0	0	0	0
1938	Wet	2	2	3	0	1	-9	0	0	0	0	0	0	0
1939	Dry	0	0	-1	0	0	0	0	0	0	0	0	-2	0
1940	Above Norm	1	0	0	1	1	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	-10	0	0	0	0	0	0	0	1	-1
1942	Wet	2	1	1	0	-5	0	0	0	0	0	0	0	0
1943	Wet	0	1	1	-6	0	0	0	0	0	0	0	0	0
1944	Dry	1	0	1	0	-22	0	0	0	0	0	0	3	-1
1945	Below Norm	0	2	3	1	-9	0	0	0	0	0	0	0	0
1946	Below Norm	1	1	-1	0	0	-5	0	0	0	0	0	0	0
1947	Dry	8	-5	1	-6	2	4	0	0	0	0	0	0	0
1948	Below Norm	7	-3	0	3	0	0	4	0	0	0	0	1	1
1949	Dry	-5	0	1	1	-4	-1	0	0	0	-7	0	5	-1
1950	Below Norm	0	-3	-3	0	0	0	0	0	0	0	0	-3	-1
1951	Above Norm	4	-1	0	0	4	0	0	0	0	0	0	1	1
1952	Wet	3	5	1	1	1	-11	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norm	0	0	0	-1	0	-4	0	0	0	0	0	0	0
1955	Dry	8	-2	0	0	0	12	0	0	0	0	0	-1	1
1956	Wet	-2	-4	-5	-3	21	0	0	0	0	0	0	0	1
1957	Above Norm	0	0	0	-1	0	-1	0	0	0	0	-4	7	0
1958	Wet	-1	-1	-2	2	0	0	0	0	0	0	0	0	0
1959	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	1	7	-5	0	0	2	0	0	0	0	0	-1	0
1961	Dry	0	-8	-16	-10	18	19	0	0	0	0	0	8	1
1962	Below Norm	-7	1	1	-1	-1	31	0	0	0	0	0	3	2
1963	Wet	4	7	4	3	2	-7	0	0	0	0	0	0	1
1964	Dry	0	1	0	-29	0	0	0	0	0	3	7	-5	-2
1965	Wet	3	-7	-9	-5	10	0	0	0	0	0	0	-1	-1
1966	Below Norm	-11	-3	-4	-3	11	0	0	0	0	0	0	0	-1
1967	Wet	-5	-1	-1	-15	21	5	0	0	0	0	0	1	0
1968	Below Norm	2	-7	0	0	0	0	0	0	0	0	-3	0	-1
1969	Wet	3	-1	-1	-14	20	0	0	0	0	0	0	1	1
1970	Wet	1	1	-8	0	0	0	0	0	0	0	0	0	0
1971	Wet	2	0	0	0	0	0	0	0	0	0	0	1	0
1972	Below Norm	1	0	1	-19	8	-5	0	0	0	0	8	1	0
1973	Above Norm	-3	-4	-9	14	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	1	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	13	-3	0	0	0	0	0	-4	0
1977	Critical	-1	-1	13	-2	0	0	0	0	0	0	26	7	4
1978	Above Norm	-6	5	4	-57	0	0	0	-3	0	0	0	-2	-5
1979	Below Norm	0	-4	0	5	2	2	0	0	0	0	0	0	0
1980	Above Norm	-1	-3	-1	-3	2	7	0	0	0	0	0	-1	0
1981	Dry	-1	0	-1	-1	0	8	0	0	0	0	0	-1	0
1982	Wet	1	0	0	0	0	2	0	0	0	0	0	0	0
1983	Wet	0	0	1	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	-2	-1	0	-1	0	0	0	0	0	0	0	2	0
1986	Wet	-1	2	3	0	-10	0	0	0	0	0	0	-3	-1
1987	Dry	3	2	-5	-18	-2	-7	0	0	0	0	0	7	-2
1988	Critical	0	0	0	0	0	0	0	0	0	0	1	0	0
1989	Dry	0	0	-2	0	-1	8	0	0	0	0	0	4	1
1990	Critical	-1	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	-1	0	0	0	0	0	0	0	0
1992	Critical	-2	0	-1	-1	-4	4	0	0	0	0	0	0	0
1993	Above Norm	-1	0	0	1	0	1	0	0	0	0	0	0	0
1994	Critical	0	0	0	-3	-2	0	0	0	0	-1	-1	1	0
1995	Wet	0	-8	-15	-12	-2	12	1	0	0	0	0	-3	-2
1996	Wet	-4	0	22	36	0	0	0	0	0	0	0	0	4
1997	Wet	0	0	0	0	1	0	0	0	0	0	0	-2	0
1998	Wet	6	-3	-2	0	3	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norm	0	0	0	-21	-1	26	0	0	0	0	0	3	1
2001	Dry	-3	2	-1	0	0	0	0	0	0	0	0	9	1
2002	Dry	0	0	0	0	0	-1	0	0	0	0	0	-2	0
2003	Above Norm	0	9	5	-8	0	-38	0	0	0	0	0	0	-3
Average		0	0	0	-2	1	0	0	0	0	0	0	0	0
Wet		1	0	0	-1	2	0	0	0	0	0	0	0	0
Above Norm		0	1	0	-8	1	0	0	0	0	0	0	1	-1
Below Norm		0	-1	0	0	2	1	0	0	0	0	0	0	0
Dry		0	0	-1	0	0	2	0	0	0	0	0	2	0
Critical		0	0	2	-2	0	0	0	0	0	0	3	-1	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at SWP SL: CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	-		0%	-4%	-3%	70%	-	-	-	-	-	-
1923	Below Norma	-	2%	2%	1%	-	-	-	-	-	-	-	-24%
1924	Critical	16%	-	331%	-27%	-	-	-	-	-100%	-	21%	-75%
1925	Dry	-12%	1%	3%	152%	4%	-	27%	0%	-	-	-	98%
1926	Dry	-46%	-35%	-12%	-3%	84%	-100%	383%	-	-	-	-	-
1927	Wet	-12%	8%	4%	1%	2%	0%	-	-	-	-	-	4%
1928	Above Norma	7%	10%	2%	-18%	26%	-8%	-	-	-	-	-	-100%
1929	Critical	-	15%	26%	1%	0%	4%	-	-	-	-	3%	-
1930	Dry	-43%	-2%	0%	-1%	0%	0%	-	-	-	-	-	-
1931	Critical	-	-91%	47%	-18%	-	-38%	-	-	-	-	42%	-
1932	Dry	-	26%	4%	3%	-80%	0%	-	-	-	-	-	-
1933	Critical	19%	37%	-11%	2%	-21%	0%	-	-	-	-	-	-
1934	Critical	53%	0%	4%	2%	-7%	0%	-	-	-	-	-	-
1935	Below Norma	5%	0%	5%	0%	0%	-36%	0%	-	-	-	-	-
1936	Below Norma	-	-	0%	0%	0%	0%	-	-	-	-	-	-
1937	Below Norma	-	-	1%	6%	1%	-16%	0%	-	-	-	-	-
1938	Wet	55%	6%	5%	0%	1%	-46%	0%	0%	-	-	-	1%
1939	Dry	0%	-1%	-2%	-	-	-	-	-	-	-	-	-18%
1940	Above Norma	13%	-	-	1%	1%	-1%	-	-	-	-	-	-
1941	Wet	1%	-3%	-1%	-11%	-1%	-1%	-	-	-	-	-	7%
1942	Wet	8%	4%	3%	0%	-10%	0%	-	-	-	-	-	1%
1943	Wet	1%	2%	2%	-27%	1%	0%	0%	-	-	-	-	-11%
1944	Dry	6%	-12%	6%	0%	-26%	-	-	-	-	-	-	30%
1945	Below Norma	-	7%	6%	1%	-8%	-	-	-	-	-	-	-3%
1946	Below Norma	188%	4%	-1%	0%	-	-60%	-	-	-	-	-	3%
1947	Dry	47%	-30%	2%	-13%	3%	6%	-	-	-	-	-	6%
1948	Below Norma	149%	-28%	-	3%	-	0%	15%	-	-	-	-	8%
1949	Dry	-84%	-	7%	3%	-35%	-1%	-	-	-	-100%	-	308%
1950	Below Norma	-	-23%	-29%	0%	0%	-1%	-	-	-	-	-	-50%
1951	Above Norma	34%	-1%	-1%	0%	6%	0%	-	-	-	-	-	10%
1952	Wet	131%	18%	1%	2%	2%	-89%	0%	0%	-	-	-	0%
1953	Wet	0%	0%	0%	-	-	0%	-	-	-	-	-	1%
1954	Above Norma	-1%	0%	0%	-1%	0%	-13%	-	-	-	-	-	-
1955	Dry	253%	-7%	1%	0%	-	-	-	-	-	-	-	-100%
1956	Wet	-93%	-16%	-5%	-3%	249%	0%	-	-	-	-	-	0%
1957	Above Norma	0%	-	0%	-1%	0%	-2%	-	-	-	-	-81%	424%
1958	Wet	-2%	-3%	-2%	3%	0%	0%	0%	-	-	-	-	0%
1959	Below Norma	0%	0%	2%	0%	0%	-	-	-	-	-	12%	-
1960	Dry	22%	-	-22%	0%	0%	4%	-	-	-	-	-	-5%
1961	Dry	-	-28%	-23%	-16%	21%	2878%	-	-	-	-	-	-
1962	Below Norma	-93%	12%	1%	-5%	-1%	112%	-	-	-	-	-	43%
1963	Wet	17%	23%	11%	4%	4%	-25%	-	-	-	-	-	1%
1964	Dry	1%	4%	1%	-32%	-	-	-	-	-	33%	113%	-51%
1965	Wet	319%	-14%	-11%	-5%	48%	0%	0%	-	-	-	-	-4%
1966	Below Norma	-88%	-5%	-5%	-3%	125%	-1%	-	-	-	-	-	-
1967	Wet	-99%	-3%	-1%	-17%	48%	890%	0%	0%	-	-	-	7%
1968	Below Norma	4%	-68%	0%	0%	0%	0%	-	-	-	-	-100%	-
1969	Wet	42%	-6%	-1%	-12%	35%	0%	0%	0%	-	-	-	7%
1970	Wet	3%	3%	-52%	-	0%	0%	-	-	-	-	-	-
1971	Wet	16%	0%	0%	0%	-	0%	-	-	-	-	-	7%
1972	Below Norma	5%	-	2%	-23%	348%	-12%	-	-	-	-	-	25%
1973	Above Norma	-21%	-5%	-10%	41%	0%	0%	-	-	-	-	-	-
1974	Wet	1%	0%	0%	0%	2%	0%	-	-	-	-	-	0%
1975	Wet	0%	0%	0%	0%	0%	0%	-	-	-	-	-	1%
1976	Critical	0%	0%	0%	0%	-	-81%	-	-	-	-	-	-100%
1977	Critical	-26%	-100%	47%	-10%	-	-	-	-	-	-	885%	67%
1978	Above Norma	-76%	27%	4%	-64%	-3%	-2%	0%	-100%	-	-	-	-100%
1979	Below Norma	-	-23%	-	4%	3%	4%	-	-	-	-	-	-
1980	Above Norma	-10%	-8%	-2%	-3%	3%	1005%	0%	-	-	-	-	-4%
1981	Dry	-24%	-	-2%	-1%	1%	1235%	-	-	-	-	-	-7%
1982	Wet	25%	1%	-1%	0%	0%	188%	0%	-	-	-	-	0%
1983	Wet	0%	0%	14%	-	0%	0%	0%	0%	0%	0%	-	0%
1984	Wet	0%	0%	0%	-	0%	0%	-	-	-	-	-	0%
1985	Dry	-13%	-2%	0%	-2%	-5%	-	-	-	-	0%	0%	13%
1986	Wet	-23%	13%	5%	0%	-9%	-1%	0%	0%	-	-	-	-8%
1987	Dry	297%	233%	-38%	-26%	-3%	-12%	-	-	-	-	-	137%
1988	Critical	-	-	-1%	0%	-	-	-	-	-	-	8%	-
1989	Dry	-	0%	-7%	0%	-11%	9%	-	-	-	-	-	-
1990	Critical	-10%	-	0%	0%	0%	-1%	-	-	-	-	0%	-16%
1991	Critical	-2%	1%	-2%	0%	-3%	0%	-	-	-	-	-	-
1992	Critical	-11%	-	-3%	-2%	-3%	5%	-	-	-	-	-	-
1993	Above Norma	-100%	-8%	0%	0%	0%	9%	-	-	-	-	-	-4%
1994	Critical	5%	-	-4%	-9%	-3%	-	-	-	-	-5%	-21%	8%
1995	Wet	-	-100%	-61%	-10%	-3%	28%	63%	-	-	-	-	-18%
1996	Wet	-10%	-	68%	-	0%	0%	0%	-	-	-	-	-1%
1997	Wet	-	-1%	0%	0%	2%	0%	-	-	-	-	-	-27%
1998	Wet	441%	-8%	-3%	0%	6%	0%	0%	-	-	-	-	0%
1999	Wet	1%	0%	-	0%	0%	0%	-	-	-	-	-	-1%
2000	Above Norma	-	0%	-3%	-22%	-2%	163%	-	-	-	-	-	4009%
2001	Dry	-57%	7%	-3%	0%	0%	-2%	-	-	-	-	-	43073%
2002	Dry	-	-1%	-1%	0%	-	-2%	-	-	-	-	-	-24%
2003	Above Norma	-	-	9%	-12%	-	-88%	-	-	-	-1%	0%	3%
Average		19%	-3%	4%	-2%	12%	87%	24%	-13%	-50%	-12%	68%	820%
Wet		32%	-3%	-1%	-3%	14%	36%	2%	0%	0%	0%	0%	-1%
Above Norma		-13%	1%	0%	-7%	2%	95%	0%	-8%	0%	0%	-7%	353%
Below Norma		12%	-9%	-1%	-1%	33%	-1%	1%	0%	0%	0%	-6%	0%
Dry		19%	8%	-5%	4%	-3%	223%	23%	0%	0%	-4%	6%	2414%
Critical		4%	-12%	36%	-5%	-3%	-9%	0%	0%	-8%	0%	78%	-10%

Difference in Energy Use (GWh) At Pumping Plant at Teerink: CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	4	2	0	-1	-1	0	-1	-1	0	0
1923	Below Norma	-1	-1	-1	0	0	0	0	0	0	0	2	6	1
1924	Critical	3	2	2	1	1	0	1	1	1	1	1	1	1
1925	Dry	0	0	0	-9	0	1	0	-1	-1	0	2	3	0
1926	Dry	4	5	3	1	-5	14	-2	0	-1	-1	-1	-1	1
1927	Wet	-1	-1	-1	0	0	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	10	0	1	10	2	-2	-2	-2	-2	1
1929	Critical	-2	-2	-2	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	0	-2	0	6	1	-1	0	-2	-2	0
1931	Critical	3	3	8	8	7	3	-2	-3	-4	-3	-3	-2	1
1932	Dry	-1	-1	-1	0	-1	-1	0	0	0	0	-2	-2	-1
1933	Critical	-2	-3	-1	-1	4	-1	1	1	1	0	-2	-2	0
1934	Critical	-3	-3	-2	0	2	0	0	0	0	0	0	0	-1
1935	Below Norma	0	0	0	0	0	0	2	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	-2	1	0	0	11	-2	-2	-2	-2	-2	-2	0
1938	Wet	-2	-2	-2	0	0	0	0	-1	0	0	0	0	-1
1939	Dry	0	0	0	0	0	1	0	0	0	0	0	0	0
1940	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	6	0	0	0	0	0	0	0	-1	0
1942	Wet	-3	-1	-1	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	1	1	1	1	1	1	0
1944	Dry	1	1	1	0	16	0	-3	-3	-3	-3	-3	-3	0
1945	Below Norma	-3	-2	-2	0	3	-6	0	1	1	1	1	1	-1
1946	Below Norma	1	1	1	0	0	0	0	0	1	0	0	0	0
1947	Dry	0	0	0	0	0	5	3	4	4	4	4	3	2
1948	Below Norma	3	3	3	0	0	0	-2	-1	-1	-1	-1	-1	0
1949	Dry	-1	-1	-1	0	0	0	-2	-2	-3	-3	-3	-3	-2
1950	Below Norma	-2	-2	-1	0	0	2	1	1	1	1	1	1	0
1951	Above Norma	1	1	1	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	-1	-2	0	0
1955	Dry	0	0	0	0	0	1	-1	1	1	1	3	3	1
1956	Wet	4	5	3	0	0	0	0	0	0	0	0	0	1
1957	Above Norma	0	0	0	0	0	0	2	3	1	1	1	1	1
1958	Wet	1	1	1	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	1	1	1	1	1	1	1	0
1960	Dry	1	1	1	0	0	0	9	1	-2	-1	-4	-4	0
1961	Dry	5	5	11	11	-2	-6	2	1	0	0	0	0	2
1962	Below Norma	2	2	3	3	2	-27	-7	-3	-2	-3	-2	-2	-3
1963	Wet	-4	-3	-3	-1	0	0	0	0	0	-2	-2	-1	-1
1964	Dry	-1	-1	-1	22	0	7	11	-5	-17	0	-1	-1	1
1965	Wet	2	2	5	2	0	1	1	1	1	1	1	1	2
1966	Below Norma	1	1	1	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	11	0	0	-1	-1	-1	-1	-1	-1	0
1968	Below Norma	-1	-1	0	0	0	0	1	1	1	1	1	1	0
1969	Wet	1	1	1	10	0	0	-1	0	-1	-1	-1	-1	1
1970	Wet	-1	-1	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	4	-1	0
1972	Below Norma	-1	-1	0	14	0	3	7	-2	-3	-3	-5	-4	0
1973	Above Norma	1	1	5	0	0	0	0	0	0	0	0	0	1
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	-8	-15	4	4	4	4	4	0
1977	Critical	4	4	4	2	2	0	-2	-3	-3	-3	-3	-2	0
1978	Above Norma	-1	-1	-1	28	-8	0	0	1	0	1	1	1	2
1979	Below Norma	2	3	4	-6	-3	-3	0	0	0	0	0	0	0
1980	Above Norma	0	0	0	1	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	1	1	1	1	1	1	0
1982	Wet	1	1	1	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	-3	-2	2	-2	-3	-1
1986	Wet	-3	-2	-2	-1	3	0	2	2	2	2	2	2	1
1987	Dry	2	2	2	3	0	4	0	0	0	0	0	0	1
1988	Critical	0	0	0	0	0	0	-1	-1	-1	-1	-1	-1	0
1989	Dry	0	0	0	0	0	-3	0	0	0	0	1	1	0
1990	Critical	1	1	1	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	1	1	1	1	1	1	1
1992	Critical	1	0	0	0	0	-7	5	0	0	0	-2	-2	0
1993	Above Norma	-2	-3	-2	0	0	0	0	0	0	0	0	0	-1
1994	Critical	0	0	0	1	1	2	6	0	-1	-1	-3	-2	0
1995	Wet	3	3	8	9	0	-1	2	5	1	4	3	2	3
1996	Wet	2	0	-11	0	0	0	0	1	0	0	0	0	-1
1997	Wet	0	0	0	0	0	0	2	2	2	2	2	2	1
1998	Wet	2	2	2	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	16	0	0	3	4	1	2	0	-1	2
2001	Dry	-1	-1	-1	0	0	0	1	1	1	1	1	1	0
2002	Dry	1	1	0	0	5	0	3	2	2	2	2	2	2
2003	Above Norma	2	2	3	10	0	9	-3	-1	-4	1	1	0	2
Average		0	0	0	2	0	0	0	0	0	0	0	0	0
Wet		0	0	0	1	0	0	0	0	0	0	0	0	0
Above Norma		0	0	1	6	-1	1	1	1	0	0	0	0	1
Below Norma		0	0	1	1	0	-1	0	0	0	0	0	0	0
Dry		0	1	1	2	1	1	2	0	-1	0	0	0	0
Critical		0	0	1	1	1	-1	-1	0	0	0	-1	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at Teerink: CP1_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norm	0%	0%	0%	169%	4%	0%	-1%	-1%	-1%	-1%	-1%	-1%
1923	Below Norm	-1%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%	2%	10%
1924	Critical	6%	3%	3%	2%	2%	2%	3%	4%	4%	4%	4%	4%
1925	Dry	4%	4%	4%	-31%	1%	22%	0%	-2%	-2%	0%	6%	6%
1926	Dry	15%	25%	23%	10%	-10%	47%	-3%	0%	-2%	-2%	-2%	-2%
1927	Wet	-2%	-2%	-2%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1928	Above Norm	0%	0%	0%	19%	0%	2%	17%	4%	-4%	-4%	-4%	-4%
1929	Critical	-5%	-5%	-5%	1%	1%	1%	0%	0%	0%	0%	0%	0%
1930	Dry	0%	0%	0%	1%	-13%	0%	15%	2%	-2%	0%	-3%	-3%
1931	Critical	8%	9%	29%	75%	72%	32%	-7%	-8%	-8%	-8%	-8%	-8%
1932	Dry	-9%	-8%	-8%	-6%	-1%	-2%	1%	1%	1%	0%	-4%	-5%
1933	Critical	-10%	-16%	-9%	-18%	20%	-2%	2%	2%	0%	-3%	-4%	-4%
1934	Critical	-9%	-13%	-12%	-5%	11%	-3%	-1%	-1%	-1%	-1%	-1%	-1%
1935	Below Norm	-1%	-1%	-1%	0%	0%	0%	4%	0%	0%	0%	0%	0%
1936	Below Norm	0%	1%	-1%	-2%	0%	0%	1%	0%	0%	0%	0%	0%
1937	Below Norm	1%	-3%	3%	4%	0%	21%	-3%	-3%	-2%	-2%	-2%	-2%
1938	Wet	-3%	-3%	-3%	1%	0%	0%	0%	-1%	0%	0%	0%	0%
1939	Dry	0%	0%	1%	0%	-1%	1%	1%	1%	1%	1%	1%	1%
1940	Above Norm	1%	1%	1%	-2%	0%	0%	-1%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	11%	0%	0%	0%	0%	0%	0%	0%	-1%
1942	Wet	-4%	-2%	-2%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%
1944	Dry	1%	1%	1%	1%	37%	0%	-4%	-4%	-4%	-4%	-4%	-4%
1945	Below Norm	-4%	-5%	-5%	-1%	8%	-10%	0%	1%	1%	1%	1%	1%
1946	Below Norm	1%	1%	1%	0%	0%	0%	0%	2%	1%	0%	0%	0%
1947	Dry	0%	0%	0%	0%	0%	19%	6%	6%	6%	6%	6%	6%
1948	Below Norm	6%	7%	7%	2%	3%	1%	-6%	-2%	-2%	-2%	-2%	-2%
1949	Dry	-2%	-2%	-2%	-1%	-1%	-1%	-5%	-5%	-5%	-5%	-5%	-5%
1950	Below Norm	-6%	-6%	-7%	-4%	-2%	6%	2%	2%	2%	2%	2%	2%
1951	Above Norm	2%	2%	2%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Norm	0%	0%	0%	1%	0%	0%	0%	0%	0%	-1%	-3%	0%
1955	Dry	0%	0%	0%	0%	0%	5%	-2%	2%	2%	3%	7%	8%
1956	Wet	14%	19%	19%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norm	0%	0%	0%	1%	0%	0%	3%	6%	2%	2%	2%	2%
1958	Wet	3%	3%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norm	0%	0%	-1%	0%	0%	2%	1%	1%	1%	1%	1%	1%
1960	Dry	1%	1%	1%	1%	1%	0%	18%	2%	-3%	-1%	-7%	-6%
1961	Dry	10%	12%	32%	58%	-7%	-15%	6%	1%	0%	0%	-1%	-1%
1962	Below Norm	3%	4%	10%	16%	17%	-48%	-11%	-4%	-3%	-4%	-3%	-3%
1963	Wet	-5%	-5%	-4%	-2%	0%	0%	0%	0%	0%	-3%	-2%	-1%
1964	Dry	-1%	-1%	-1%	57%	0%	12%	-23%	-9%	-34%	0%	-3%	-2%
1965	Wet	5%	6%	15%	4%	0%	2%	3%	3%	3%	3%	3%	3%
1966	Below Norm	3%	3%	3%	0%	0%	0%	0%	0%	0%	0%	1%	1%
1967	Wet	1%	1%	1%	26%	0%	0%	-1%	-2%	-1%	-1%	-2%	-2%
1968	Below Norm	-2%	-1%	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%
1969	Wet	1%	1%	1%	25%	0%	0%	-1%	0%	-1%	-1%	-1%	-1%
1970	Wet	-1%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	6%	-1%
1972	Below Norm	-2%	-2%	-1%	31%	0%	4%	17%	-4%	-7%	-5%	-8%	-8%
1973	Above Norm	2%	3%	19%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	-11%	-25%	8%	9%	9%	9%	9%
1977	Critical	9%	10%	10%	7%	7%	4%	-16%	-19%	-20%	-19%	-20%	-20%
1978	Above Norm	-20%	-21%	-20%	124%	-14%	0%	0%	1%	0%	2%	2%	1%
1979	Below Norm	4%	5%	7%	-31%	-5%	-4%	0%	0%	0%	0%	0%	0%
1980	Above Norm	0%	0%	1%	1%	0%	0%	-1%	1%	1%	1%	1%	1%
1981	Dry	1%	1%	1%	0%	0%	0%	1%	1%	1%	1%	1%	1%
1982	Wet	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	-1%	-5%	-3%	3%	-5%	-4%
1986	Wet	-4%	-4%	-5%	-2%	8%	0%	3%	4%	4%	4%	4%	4%
1987	Dry	4%	4%	4%	5%	1%	8%	1%	1%	1%	1%	1%	1%
1988	Critical	1%	1%	1%	1%	-1%	0%	-2%	-2%	-2%	-2%	-2%	-2%
1989	Dry	-2%	-2%	-2%	-2%	-9%	-17%	0%	1%	0%	1%	1%	1%
1990	Critical	1%	1%	2%	-5%	-1%	1%	0%	0%	0%	0%	0%	0%
1991	Critical	1%	0%	0%	0%	-2%	-6%	3%	4%	4%	4%	4%	4%
1992	Critical	4%	4%	4%	3%	2%	-60%	18%	1%	1%	0%	-4%	-4%
1993	Above Norm	-8%	-13%	-12%	-6%	0%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	3%	1%	4%	14%	1%	-3%	-2%	-6%	-5%
1995	Wet	9%	10%	30%	49%	0%	-2%	3%	8%	2%	6%	5%	3%
1996	Wet	3%	1%	-16%	0%	0%	0%	0%	2%	1%	1%	1%	1%
1997	Wet	1%	1%	1%	0%	0%	0%	4%	4%	4%	4%	4%	4%
1998	Wet	5%	5%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norm	0%	0%	0%	43%	0%	0%	4%	5%	1%	3%	0%	-2%
2001	Dry	-2%	-2%	-2%	0%	0%	0%	2%	2%	2%	2%	2%	2%
2002	Dry	2%	2%	2%	1%	10%	0%	5%	4%	4%	4%	3%	3%
2003	Above Norm	5%	5%	7%	20%	0%	18%	-5%	-1%	-5%	2%	1%	0%
Average		0%	0%	2%	8%	2%	0%	1%	0%	-1%	0%	0%	0%
Wet		1%	1%	2%	4%	0%	0%	0%	1%	0%	1%	1%	0%
Above Norm		-1%	-2%	0%	31%	-1%	2%	1%	1%	0%	0%	0%	0%
Below Norm		0%	0%	1%	1%	1%	-2%	1%	0%	0%	0%	0%	0%
Dry		1%	2%	3%	5%	0%	4%	4%	0%	-2%	0%	0%	0%
Critical		1%	-1%	2%	5%	9%	-3%	-1%	-1%	-1%	-1%	-2%	-2%

Difference in Energy generated (GWh) at CVP San Luis: CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	-1	-4	-4	-6	2	0	-1
1924	Critical	0	0	0	0	-16	1	1	3	-2	-4	4	-5	-2
1925	Dry	0	0	0	0	0	0	0	2	-1	-1	-1	0	0
1926	Dry	0	0	0	0	0	0	0	-7	1	2	1	-8	-1
1927	Wet	0	0	0	0	0	0	0	5	0	-13	-1	0	-1
1928	Above Norma	0	0	0	0	0	0	0	4	5	-11	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	-4	-3	0	0	-1
1930	Dry	0	0	0	0	0	0	0	0	-2	-12	12	0	0
1931	Critical	0	0	0	0	-3	0	1	1	4	1	2	0	1
1932	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	-1	-1	-1	0	2	0
1935	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	-1	0	-1	0	0
1937	Below Norma	0	0	0	0	0	0	0	0	-1	-1	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	4	-2	5	5	-4	0	1
1940	Above Norma	0	0	0	0	0	0	-1	-2	-3	-3	-1	0	-1
1941	Wet	0	0	0	0	0	0	0	0	0	0	6	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	3	3	-6	-5	-4	0	-1
1945	Below Norma	0	0	0	0	0	0	0	2	0	0	0	0	0
1946	Below Norma	0	0	0	0	-2	0	1	1	1	-9	4	0	0
1947	Dry	0	0	0	0	0	0	1	0	5	-6	-3	0	0
1948	Below Norma	0	0	0	0	0	0	0	1	1	0	-6	0	0
1949	Dry	0	0	0	0	0	0	0	0	1	0	0	0	0
1950	Below Norma	0	0	0	0	0	0	0	-12	4	2	2	0	0
1951	Above Norma	0	0	0	0	0	0	0	-12	-3	6	3	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	-1	0	0	0
1955	Dry	0	0	0	0	0	0	2	4	-5	-5	-13	1	-1
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	-1	16	-3	0	1
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	1	8	5	5	3	0	2
1961	Dry	0	0	0	0	0	12	0	2	1	-1	1	0	1
1962	Below Norma	-7	0	0	0	0	0	2	-2	8	12	0	0	1
1963	Wet	0	0	0	0	0	0	0	1	2	2	1	0	0
1964	Dry	0	0	0	0	0	0	1	4	18	-15	-11	0	0
1965	Wet	0	0	0	0	0	0	4	2	4	3	2	0	1
1966	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	5	-6	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	3	4	22	-6	0	2
1971	Wet	0	0	0	0	0	0	0	0	1	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	0	-2	-8	-2	0	0	-1
1973	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	1	-1	-2	-1	2	-2	0
1977	Critical	0	0	0	0	-1	1	3	1	1	13	18	0	3
1978	Above Norma	2	0	0	0	0	0	0	0	0	-1	0	0	0
1979	Below Norma	0	0	0	0	0	0	0	3	4	1	1	0	1
1980	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	-1	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	1	2	8	2	-1	0	1
1986	Wet	0	0	0	0	0	0	0	3	11	-11	5	0	1
1987	Dry	0	0	0	0	0	0	-2	-1	-3	1	-6	0	-1
1988	Critical	0	0	0	0	0	1	1	2	0	-1	1	0	0
1989	Dry	0	0	0	0	-3	0	0	3	7	6	4	0	1
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	-1	1	0	0
1993	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	-2	10	-4	-2	0	0
1995	Wet	-1	0	0	0	0	0	0	0	-1	-1	-2	0	0
1996	Wet	0	0	0	0	0	0	0	0	-2	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	-2	0	2	-1	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	-1	19	-2	0	1
2001	Dry	0	0	0	0	0	0	4	6	-4	-3	-1	-2	0
2002	Dry	0	0	0	0	-1	0	0	1	0	0	-3	0	0
2003	Above Norma	0	0	0	0	0	0	2	3	14	-3	0	0	1
Average		0	0	0	0	0	0	0	0	1	0	0	0	0
Wet		0	0	0	0	0	0	0	0	1	0	0	0	0
Above Norma		0	0	0	0	0	0	0	-1	1	2	0	0	0
Below Norma		0	0	0	0	0	0	0	-1	0	0	0	0	0
Dry		0	0	0	0	0	1	1	1	2	-1	-1	-1	0
Critical		0	0	0	0	-2	0	0	0	1	0	2	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy generated (GWh) at CVP San Luis: CP2_2020 minus CONV_NA

Year Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922 Above Norma -	-	-	-	-	-	-	-	0%	0%	0%	1%	-
1923 Below Norma -	-	-	-	-	-	-	-14%	-10%	-8%	-20%	14%	-
1924 Critical -	-	-	-	-	-100%	23%	26%	38%	-10%	-40%	22%	-100%
1925 Dry -	-	-	-	-	-	-	-	9%	-2%	-3%	-3%	-
1926 Dry -	-	-	-	-	-	-	-	-20%	3%	7%	4%	-85%
1927 Wet -	-	-	-	-	-	-	0%	11%	-1%	-32%	-7%	-
1928 Above Norma -	-	-	-	-	-	-	-1%	11%	10%	-21%	4%	-
1929 Critical -	-	-	-	-	-	5%	1%	-2%	-10%	-12%	-2%	-
1930 Dry -	-	-	-	-	-	-	2%	1%	-3%	-29%	45%	-
1931 Critical -	-	-	-	-	-100%	-	9%	15%	28%	11%	9%	-
1932 Dry -	-	-	-	-	-	-1%	-2%	-1%	-2%	-2%	-2%	-
1933 Critical -	-	-	-	-	-	0%	0%	0%	0%	0%	2%	-
1934 Critical -	-	-	-	-	-	-5%	-4%	-3%	-3%	-4%	-1%	28%
1935 Below Norma -	5%	-	-	-	-	-	-	0%	0%	0%	0%	-
1936 Below Norma -	-	-	-	-	-	-	-	-2%	-1%	1%	-5%	-
1937 Below Norma -	-	-	-	-	-	-	-	-	-2%	-2%	-1%	-
1938 Wet -	-	-	-	-	-	-	-	-	0%	0%	0%	-
1939 Dry -	-	-	-	-	-	-	24%	-5%	13%	22%	-16%	-
1940 Above Norma -	-	-	-	-	-	-	-21%	-5%	-6%	-6%	-20%	-
1941 Wet -	-	-	-	-	-	-	-	-1%	-1%	-1%	48%	-
1942 Wet -	-	-	-	-	-	-	0%	0%	0%	0%	2%	-
1943 Wet -	-	-	-	-	-	-	-	1%	0%	0%	0%	-
1944 Dry -	-	-	-	-	-	-	21%	12%	-15%	-14%	-14%	-
1945 Below Norma -	-	-	-	-	-	-	0%	5%	1%	1%	0%	-
1946 Below Norma -	-	-	-	-	-79%	-	8%	5%	5%	-26%	70%	-
1947 Dry -	-	-	-	-	-	-	4%	1%	15%	-18%	-17%	-
1948 Below Norma -	-	-	-	-	-	-	-	2%	3%	0%	-38%	-
1949 Dry -	-	-	-	-	-	-	0%	1%	3%	1%	-1%	-
1950 Below Norma -	-	-	-	-	-	-	-	-31%	12%	6%	124%	-
1951 Above Norma -	-	-	-	-	-	-	0%	-24%	-5%	13%	44%	-
1952 Wet -	-	-	-	-	-	-	-	-	0%	0%	0%	-
1953 Wet -	-	-	-	-	-	0%	0%	0%	0%	-1%	0%	-
1954 Above Norma -	-	-	-	-	-	-	0%	0%	0%	-2%	0%	-
1955 Dry -	-	-	-	-	-	-	14%	15%	-11%	-23%	-37%	-
1956 Wet -	-	-	-	-	-	-	1%	1%	0%	0%	0%	-
1957 Above Norma -	-	-	-	-	-	-	-1%	-1%	-2%	53%	-20%	-
1958 Wet -	-	-	-	-	-	-	-	0%	0%	0%	0%	-
1959 Below Norma -	-	-	-	-	-	-	0%	0%	-1%	0%	1%	-
1960 Dry -	-	-	-	-	-	-	13%	45%	21%	20%	24%	-
1961 Dry -	-	-	-	-	-	-	-1%	4%	2%	-5%	22%	-
1962 Below Norma -	-100%	-	-	-	-	-	12%	-4%	24%	51%	1%	-
1963 Wet -	-	-	-	-	-	-	2%	2%	4%	5%	5%	-
1964 Dry -	-	-	-	-	-	-	11%	18%	81%	-51%	-59%	-
1965 Wet -	-	-	-	-	-	-	91%	5%	7%	8%	17%	-
1966 Below Norma -	-	-	-	-	-	-	0%	0%	0%	0%	0%	-
1967 Wet -	-	-	-	-	-	-	-	0%	0%	0%	0%	-
1968 Below Norma -	-	-	-	-	-	-	0%	0%	0%	17%	-40%	-
1969 Wet -	-	-	-	-	-	-	-	-	0%	0%	0%	-
1970 Wet -	-	-	-	-	-	-	0%	7%	7%	54%	-89%	-
1971 Wet -	-	-	-	-	-	-	1%	1%	2%	1%	4%	-
1972 Below Norma -	-	-	-	-	-	-	-2%	-4%	-17%	-4%	0%	-
1973 Above Norma -	-	-	-	-	-	-	0%	0%	0%	0%	0%	-
1974 Wet -	-	-	-	-	-	-	-	0%	0%	0%	0%	-
1975 Wet -	-	-	-	-	-	-	0%	-1%	0%	0%	0%	-
1976 Critical -	-	-	-	-	-	-	6%	-2%	-4%	-5%	8%	-41%
1977 Critical -	-	-	-	-	-100%	39%	52%	8%	7%	-	363%	-
1978 Above Norma -	-	-	-	-	-	-	-	0%	-1%	-2%	-2%	-
1979 Below Norma -	-	-	-	-	-	-	0%	12%	7%	2%	8%	-
1980 Above Norma -	-	-	-	-	-	-	-	0%	0%	0%	-1%	-
1981 Dry -	-	-	-	-	-	-	0%	0%	-1%	-1%	2%	-
1982 Wet -	-	-	-	-	-	-	-	-	0%	0%	0%	-
1983 Wet -	-	-	-	-	-	-	-	-	0%	0%	0%	-
1984 Wet -	-	-	-	-	-	-	0%	0%	0%	0%	0%	-
1985 Dry -	-	-	-	-	-	-	8%	6%	21%	11%	-9%	-
1986 Wet -	-	-	-	-	-	-	-	-	57%	-12%	71%	-
1987 Dry -	-	-	-	-	-	-	-14%	-3%	-7%	7%	-18%	-
1988 Critical -	-	-	-	-	-	6%	11%	8%	2%	-6%	3%	-
1989 Dry -	-	-	-	-	-100%	-	2%	13%	27%	25%	26%	-
1990 Critical -	-	-	-	-	-	-	0%	0%	0%	-1%	0%	1%
1991 Critical -	-	-	-	-	-	-	1%	1%	0%	0%	-3%	-
1992 Critical -	-	-	-	-	-	-	-5%	0%	0%	-2%	3%	-
1993 Above Norma -	-	-	-	-	-	-	-	0%	0%	-1%	0%	-
1994 Critical -	-	-	-	-	-	-	-2%	-6%	21%	-16%	-30%	-
1995 Wet -	-100%	-	-	-	-	-	-	-	-2%	-3%	-5%	-
1996 Wet -	-	-	-	-	-	-	0%	0%	-3%	1%	1%	-
1997 Wet -	-	-	-	-	-	-	0%	-5%	0%	5%	-5%	-
1998 Wet -	-	-	-	-	-	-	-	0%	0%	0%	0%	-
1999 Wet -	-	-	-	-	-	-	0%	0%	0%	0%	0%	-
2000 Above Norma -	-	-	-	-	-	-	0%	0%	-1%	52%	-16%	-
2001 Dry -	-	-	-	-	-	-	35%	23%	-9%	-13%	-2%	-48%
2002 Dry -	-	-	-	-	-100%	-	-2%	2%	-1%	1%	-25%	-
2003 Above Norma -	-	-	-	-	-	-	61%	10%	38%	-9%	-100%	-
Average	-65%	#DIV/0!	#DIV/0!	#DIV/0!	-96%	8%	6%	2%	4%	0%	4%	-41%
Wet	-4%	0%	0%	0%	0%	0%	4%	1%	3%	1%	2%	0%
Above Norma	0%	0%	0%	0%	0%	0%	3%	-1%	3%	6%	-9%	0%
Below Norma	-7%	0%	0%	0%	-6%	0%	-2%	2%	2%	2%	10%	0%
Dry	0%	0%	0%	0%	-11%	0%	6%	7%	7%	-3%	-4%	-7%
Critical	0%	0%	0%	0%	-25%	6%	8%	5%	3%	-6%	31%	-9%

Difference in Energy generated (GWh) at Folsom Dam : CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	3	0	0	0	-10	3	0	0	0	1	-2	0	0
1925	Dry	5	0	1	1	0	0	0	0	2	5	2	-9	1
1926	Dry	0	0	0	1	-2	4	-4	0	-6	1	-7	10	0
1927	Wet	-3	-2	-2	10	0	0	0	0	0	-47	17	31	0
1928	Above Norm	0	0	0	-3	3	0	0	-18	-2	19	-7	4	0
1929	Critical	0	1	1	1	0	0	0	1	-1	0	0	0	0
1930	Dry	0	0	0	0	0	0	0	-3	1	11	-7	-4	0
1931	Critical	0	1	1	6	0	0	0	0	-4	-2	-1	-4	0
1932	Dry	4	0	0	0	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	1	0
1934	Critical	0	0	0	0	-1	-2	4	0	-1	0	0	3	0
1935	Below Norm	3	0	0	0	0	0	-9	0	0	0	0	0	-1
1936	Below Norm	0	0	0	0	0	0	0	0	0	-1	1	0	0
1937	Below Norm	0	0	1	1	-2	0	0	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	-6	0	-4	18	-11	10	1
1940	Above Norm	-2	-14	0	6	0	0	0	-8	0	-3	0	3	-1
1941	Wet	-11	-6	24	6	0	0	0	0	0	0	0	0	1
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	-15	0	6	0	-1
1945	Below Norm	0	0	0	0	1	0	0	0	-2	-12	2	12	0
1946	Below Norm	0	0	0	0	-9	10	0	0	-3	18	-27	-1	-1
1947	Dry	1	9	1	0	2	2	0	0	-7	2	-1	7	1
1948	Below Norm	0	0	0	-10	6	0	5	0	0	3	2	-5	0
1949	Dry	0	0	0	0	-10	10	0	0	-10	-1	-2	6	-1
1950	Below Norm	0	1	1	8	0	0	0	0	0	0	0	0	1
1951	Above Norm	-14	2	0	0	0	0	0	0	-6	1	-6	-7	-3
1952	Wet	1	7	13	0	0	0	0	0	0	0	0	0	2
1953	Wet	0	0	0	0	0	0	0	0	0	-2	2	0	0
1954	Above Norm	0	0	0	0	0	0	0	-5	0	-2	0	0	-1
1955	Dry	0	1	1	1	-12	1	2	2	3	-12	18	-4	0
1956	Wet	0	1	2	0	0	0	0	0	0	0	0	0	0
1957	Above Norm	0	0	0	0	0	0	0	0	-2	0	0	-1	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norm	0	0	0	0	0	-3	1	1	1	0	0	0	0
1960	Dry	0	0	0	0	1	0	-1	0	0	-12	2	1	-1
1961	Dry	1	1	1	1	0	0	1	1	1	11	0	0	1
1962	Below Norm	0	0	0	0	-3	0	0	0	-1	0	-21	4	-2
1963	Wet	20	0	0	0	0	-8	8	0	0	-1	0	0	2
1964	Dry	0	1	0	0	0	0	0	0	-4	2	2	-1	0
1965	Wet	0	2	-1	0	0	-12	13	-7	8	-2	0	2	0
1966	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	-11	11	0	0	0	0	0	0	0	0	0
1968	Below Norm	0	0	0	0	0	0	0	0	2	-44	10	3	-2
1969	Wet	2	2	3	4	0	0	0	0	0	0	0	0	1
1970	Wet	0	0	0	0	0	0	0	0	-3	3	-12	1	-1
1971	Wet	1	1	12	0	-4	4	0	0	0	0	0	0	1
1972	Below Norm	0	0	0	0	0	0	0	0	-5	7	-12	-9	-2
1973	Above Norm	2	2	18	0	0	0	0	0	0	0	0	0	2
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	-6	2	0	0	0
1977	Critical	0	1	0	0	0	0	0	0	0	-6	8	0	0
1978	Above Norm	0	1	0	-1	0	0	0	0	0	0	0	0	0
1979	Below Norm	0	0	1	-1	0	0	-2	2	-2	3	0	0	0
1980	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	1	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	-5	0	-6	1	-2	11	0
1985	Dry	0	3	0	0	0	3	0	-1	-5	1	0	2	0
1986	Wet	0	0	1	-2	0	0	0	0	0	14	-14	0	0
1987	Dry	0	0	0	0	0	0	-1	-1	0	-2	0	0	0
1988	Critical	0	1	0	0	0	0	0	0	0	0	0	0	0
1989	Dry	0	0	15	-3	12	-27	0	0	0	-1	-1	6	0
1990	Critical	0	-5	2	2	-4	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	-1	-1	-1	-1	-2	0	0
1993	Above Norm	0	0	0	7	0	0	0	0	0	1	0	-1	1
1994	Critical	0	0	0	0	0	0	0	0	-7	-7	2	-15	-2
1995	Wet	15	0	0	2	0	0	0	0	0	0	0	0	1
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	-14	0	1	-1
1998	Wet	1	2	2	11	0	0	0	0	0	0	0	0	1
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norm	0	0	0	0	0	0	0	0	-4	0	1	1	0
2001	Dry	0	1	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	-4	-8	2	1	0	8	-1	-8	-1
2003	Above Norm	1	5	1	7	-8	9	0	0	-15	1	11	2	1
Average		0	0	1	1	-1	0	0	0	-1	0	-1	1	0
Wet		1	0	2	2	0	-1	1	0	0	-2	0	2	0
Above Norm		-1	0	2	1	0	1	0	-3	-2	1	0	0	0
Below Norm		0	0	0	0	-1	0	0	0	-1	-2	-3	1	0
Dry		1	1	1	0	-1	-1	0	0	-3	2	0	1	0
Critical		0	0	0	1	-1	0	0	0	-2	-1	0	-1	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy generated (GWh) at Folsom Dam : CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1923	Below Norma	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%	-6%	10%
1924	Critical	11%	-1%	-1%	-1%	-56%	10%	1%	1%	0%	5%	-16%	-2%
1925	Dry	55%	0%	2%	4%	0%	0%	0%	0%	2%	9%	11%	-20%
1926	Dry	1%	0%	1%	2%	-4%	13%	-12%	0%	-11%	4%	-31%	108%
1927	Wet	-9%	-8%	-7%	22%	0%	0%	0%	0%	0%	-55%	34%	92%
1928	Above Norma	0%	0%	-1%	-11%	11%	0%	0%	-37%	-4%	38%	-16%	25%
1929	Critical	1%	4%	4%	4%	0%	3%	0%	3%	-3%	-1%	-1%	2%
1930	Dry	0%	0%	0%	0%	0%	0%	0%	-9%	3%	26%	-30%	-16%
1931	Critical	0%	3%	3%	31%	1%	0%	0%	3%	-14%	-11%	-10%	-27%
1932	Dry	34%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1933	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	5%
1934	Critical	0%	0%	0%	0%	-4%	-6%	8%	-2%	-2%	0%	0%	34%
1935	Below Norma	27%	-2%	-2%	-1%	-1%	-1%	-7%	0%	0%	0%	0%	0%
1936	Below Norma	0%	0%	1%	0%	0%	0%	0%	0%	0%	-2%	4%	0%
1937	Below Norma	0%	0%	2%	3%	-4%	0%	0%	0%	0%	0%	0%	0%
1938	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	0%	0%	-18%	1%	-17%	41%	-55%	143%
1940	Above Norma	-7%	-65%	0%	18%	0%	0%	0%	-13%	1%	-4%	-1%	18%
1941	Wet	-22%	-17%	75%	7%	0%	0%	0%	0%	0%	0%	0%	0%
1942	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%
1944	Dry	0%	0%	1%	1%	2%	2%	1%	0%	-31%	1%	16%	-2%
1945	Below Norma	1%	2%	1%	1%	0%	0%	0%	-3%	0%	-15%	5%	39%
1946	Below Norma	0%	-1%	0%	0%	-20%	26%	0%	0%	-4%	30%	-43%	-5%
1947	Dry	2%	26%	2%	2%	7%	6%	0%	0%	-24%	5%	-2%	38%
1948	Below Norma	0%	-1%	-2%	-57%	83%	-1%	12%	0%	0%	5%	3%	-10%
1949	Dry	0%	0%	1%	1%	-26%	38%	0%	-1%	-17%	-2%	-5%	34%
1950	Below Norma	1%	3%	3%	21%	0%	0%	0%	0%	0%	0%	0%	0%
1951	Above Norma	-32%	1%	0%	0%	0%	0%	0%	0%	-10%	1%	-13%	-25%
1952	Wet	3%	23%	17%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	-3%	4%	0%
1954	Above Norma	0%	0%	0%	0%	0%	0%	0%	-10%	1%	-2%	1%	0%
1955	Dry	2%	6%	3%	4%	-51%	3%	12%	4%	10%	-32%	69%	-21%
1956	Wet	0%	4%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	-3%	0%	0%	-3%
1958	Wet	1%	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	0%	0%	0%	-9%	3%	2%	2%	0%	0%	0%
1960	Dry	0%	0%	0%	0%	6%	0%	-3%	0%	0%	-32%	7%	4%
1961	Dry	2%	4%	4%	4%	3%	3%	4%	3%	3%	19%	0%	-1%
1962	Below Norma	-1%	-1%	-1%	-1%	-9%	0%	0%	0%	-3%	0%	-49%	23%
1963	Wet	45%	0%	0%	0%	0%	-24%	8%	0%	0%	-2%	0%	0%
1964	Dry	0%	2%	0%	0%	0%	0%	0%	0%	-12%	3%	7%	-3%
1965	Wet	0%	9%	0%	0%	0%	-36%	17%	-10%	15%	-2%	0%	3%
1966	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%
1967	Wet	0%	0%	-42%	12%	0%	0%	0%	0%	0%	0%	0%	0%
1968	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	11%	-56%	94%	32%
1969	Wet	7%	8%	12%	3%	0%	0%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	0%	0%	0%	-8%	4%	-32%	3%
1971	Wet	3%	3%	17%	0%	-7%	8%	0%	0%	0%	0%	0%	0%
1972	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	-15%	9%	-43%	-39%
1973	Above Norma	6%	9%	43%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	0%	-3%	-43%	10%	1%	1%
1977	Critical	1%	4%	-4%	2%	2%	2%	2%	2%	2%	-55%	278%	5%
1978	Above Norma	2%	11%	0%	-3%	0%	0%	0%	0%	0%	0%	0%	0%
1979	Below Norma	0%	1%	3%	-4%	0%	0%	-5%	3%	-3%	5%	-2%	-1%
1980	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	0%	0%	0%	0%	3%	-1%	0%	0%
1982	Wet	0%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	-15%	1%	-11%	1%	-9%	37%
1985	Dry	0%	5%	0%	0%	0%	16%	-1%	-1%	-10%	2%	0%	24%
1986	Wet	0%	0%	3%	-3%	0%	0%	-1%	-1%	-1%	33%	-23%	0%
1987	Dry	0%	0%	0%	0%	0%	0%	-3%	-4%	-1%	-6%	-1%	-4%
1988	Critical	1%	4%	1%	1%	2%	1%	1%	1%	1%	1%	1%	1%
1989	Dry	1%	1%	172%	-12%	174%	-21%	0%	0%	-1%	-2%	-2%	40%
1990	Critical	-1%	-16%	10%	9%	-27%	0%	0%	1%	0%	0%	0%	1%
1991	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	0%	1%
1992	Critical	0%	1%	0%	0%	0%	0%	-1%	-5%	-8%	-6%	-19%	2%
1993	Above Norma	2%	3%	3%	17%	0%	0%	0%	0%	0%	1%	0%	-1%
1994	Critical	0%	0%	0%	0%	0%	0%	0%	0%	-23%	-12%	30%	-67%
1995	Wet	166%	5%	-3%	2%	0%	0%	0%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	0%	0%	1%	-17%	2%	6%
1998	Wet	2%	7%	6%	10%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	0%
2000	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	-8%	1%	2%	5%
2001	Dry	1%	3%	0%	0%	2%	1%	1%	0%	1%	0%	1%	0%
2002	Dry	0%	2%	2%	-2%	-6%	-12%	6%	1%	0%	13%	-2%	-37%
2003	Above Norma	5%	19%	5%	17%	-17%	43%	0%	0%	-26%	2%	53%	9%
Average		4%	1%	4%	1%	1%	1%	0%	-1%	-3%	-1%	3%	6%
Wet		7%	1%	3%	2%	0%	-2%	0%	-1%	0%	-1%	0%	5%
Above Norma		-2%	-2%	4%	3%	-1%	4%	0%	-5%	-4%	3%	2%	2%
Below Norma		2%	0%	0%	-3%	4%	1%	0%	-1%	0%	-3%	4%	4%
Dry		6%	3%	11%	0%	6%	3%	-1%	0%	-6%	3%	-1%	16%
Critical		1%	0%	1%	4%	-7%	1%	1%	0%	-8%	-6%	22%	-4%

Difference in Energy generated (GWh) at Judge Francis Carr : CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norm	0	0	0	0	0	5	0	0	0	17	0	16	3
1923	Below Norm	0	8	4	5	0	2	0	0	8	-9	0	-25	-1
1924	Critical	0	0	0	-30	-22	-3	14	0	0	0	0	-27	-6
1925	Dry	0	0	0	4	0	0	0	0	25	0	0	0	2
1926	Dry	0	0	0	0	0	0	0	0	5	0	-5	0	0
1927	Wet	0	0	0	3	0	0	0	0	0	0	17	16	3
1928	Above Norm	0	0	5	5	0	0	0	0	0	17	0	-33	0
1929	Critical	0	0	0	-46	5	5	0	2	1	0	0	0	-3
1930	Dry	0	0	10	0	0	0	0	0	0	0	0	0	1
1931	Critical	0	0	0	0	0	-2	0	0	0	0	0	0	0
1932	Dry	1	3	0	0	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	1	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	1	0	0	0	-1	0
1935	Below Norm	-8	0	0	6	0	0	0	0	0	0	0	0	0
1936	Below Norm	0	0	0	0	0	3	-3	0	0	8	8	0	1
1937	Below Norm	0	0	0	-3	0	0	-3	0	0	0	8	8	1
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	-24	-2
1939	Dry	0	0	0	0	0	-47	0	-12	-53	110	0	5	0
1940	Above Norm	-12	-23	0	0	0	0	0	0	0	0	0	33	0
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	-11	0	0	11	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	3	0	0	0	0	0	0	0	0	-40	3	0	-3
1945	Below Norm	8	0	0	0	-3	0	0	0	19	0	0	0	2
1946	Below Norm	17	0	0	0	0	0	0	0	0	17	0	-16	1
1947	Dry	0	0	0	3	5	5	0	0	8	17	-14	-16	1
1948	Below Norm	0	0	0	0	0	0	0	0	1	0	0	0	0
1949	Dry	23	0	0	0	0	-8	0	0	20	0	0	-16	1
1950	Below Norm	0	0	0	0	0	2	0	0	0	0	0	0	0
1951	Above Norm	-25	0	0	0	0	-2	-33	0	0	0	0	0	-5
1952	Wet	17	-16	0	0	0	17	0	0	0	1	0	0	2
1953	Wet	0	0	0	0	0	0	-17	0	0	17	0	0	0
1954	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	-3	-16	0	0	0	0	0	0	0	0	17	0	0
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1957	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norm	0	0	0	0	0	0	0	0	0	-15	3	-1	-1
1960	Dry	-1	-17	0	-4	5	0	0	0	0	17	0	0	0
1961	Dry	0	0	0	8	0	0	0	0	0	0	-41	0	-3
1962	Below Norm	0	13	5	5	0	0	0	0	0	0	0	0	2
1963	Wet	-8	0	0	0	0	0	0	0	0	0	0	-6	-1
1964	Dry	0	36	0	-4	-40	2	-7	0	0	0	21	0	1
1965	Wet	8	0	0	0	0	0	0	0	41	0	-25	-43	-2
1966	Below Norm	0	1	22	5	0	0	0	0	0	0	-18	0	1
1967	Wet	0	-16	35	0	0	0	0	0	0	0	0	0	2
1968	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	-8	0	0	0	0	8	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	66	-25	0	3
1971	Wet	0	-16	0	0	-12	25	0	0	0	0	0	0	0
1972	Below Norm	0	0	0	0	0	0	0	0	47	0	-25	0	2
1973	Above Norm	-24	-16	0	0	0	0	0	0	0	0	0	0	-3
1974	Wet	0	0	0	0	0	0	0	0	0	0	1	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	2	0	0
1976	Critical	0	0	0	-92	0	0	0	0	-12	0	8	0	-8
1977	Critical	15	21	64	1	45	0	-28	0	0	61	-4	4	15
1978	Above Norm	-36	0	0	0	0	0	0	0	0	0	0	0	-3
1979	Below Norm	0	0	0	0	0	-3	0	-3	0	0	0	-16	-2
1980	Above Norm	0	0	3	0	0	0	-27	0	0	0	0	-43	-6
1981	Dry	-25	16	5	0	-3	0	0	0	25	-18	-28	33	0
1982	Wet	0	0	0	5	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	-59	-5
1985	Dry	0	3	30	-46	0	18	0	-1	-36	0	0	15	-1
1986	Wet	17	12	0	0	0	0	-42	0	20	0	0	33	3
1987	Dry	-25	8	5	5	5	-3	0	0	0	0	-19	-8	-3
1988	Critical	7	-1	0	5	8	0	-5	0	8	0	0	0	2
1989	Dry	0	0	0	0	0	0	0	0	0	17	0	0	1
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	3	3	0	0	0	0	0	0	0	1
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	Above Norm	0	0	0	0	0	0	0	0	0	0	6	0	0
1994	Critical	0	0	0	-34	0	0	0	-17	-26	24	24	38	1
1995	Wet	0	0	0	0	0	0	-14	0	0	0	0	0	-1
1996	Wet	0	-12	12	0	0	0	-11	0	0	0	0	0	-1
1997	Wet	0	10	0	0	0	0	-38	0	0	0	0	0	-2
1998	Wet	0	13	-8	0	0	0	-13	0	0	1	0	0	-1
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	-40	0	0	0	-3
2002	Dry	8	0	-8	0	0	0	0	0	16	0	0	0	1
2003	Above Norm	-4	1	-3	0	0	0	0	0	0	0	0	0	0
Average		-1	0	2	-2	0	0	-3	0	1	4	-1	-2	0
Wet		1	-1	1	0	0	2	-6	0	2	4	-1	-3	0
Above Norm		-8	-3	0	0	0	0	-5	0	0	3	0	-2	-1
Below Norm		1	2	2	1	0	0	0	0	5	1	-3	-3	0
Dry		-1	2	2	-2	-2	-2	0	-1	-2	5	-3	1	0
Critical		2	2	5	-16	3	0	-2	-1	-2	7	2	1	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy generated (GWh) at Judge Francis Carr : CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norm	0%	0%	0%	0%	0%	150%	0%	0%	0%	33%	0%	25%
1923	Below Norm	0%	100%	82%	150%	0%	32%	0%	33%	-11%	0%	0%	-43%
1924	Critical	0%	0%	0%	-55%	-63%	-48%	104%	0%	0%	0%	0%	-77%
1925	Dry	0%	0%	0%	5%	0%	0%	0%	0%	300%	0%	0%	0%
1926	Dry	0%	0%	0%	0%	0%	0%	0%	0%	60%	0%	-7%	0%
1927	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	33%	25%
1928	Above Norm	0%	0%	138%	150%	0%	0%	0%	0%	0%	33%	0%	-40%
1929	Critical	0%	0%	0%	-65%	150%	150%	0%	24%	3%	0%	0%	0%
1930	Dry	0%	0%	63%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1931	Critical	0%	0%	0%	0%	0%	-38%	0%	0%	0%	0%	0%	0%
1932	Dry	2%	43%	0%	-1%	0%	0%	2%	-2%	0%	0%	-1%	0%
1933	Critical	0%	0%	2142%	0%	0%	0%	0%	-100%	0%	0%	0%	0%
1934	Critical	0%	0%	0%	0%	0%	0%	0%	16%	0%	0%	0%	-2%
1935	Below Norm	-85%	0%	0%	66%	0%	0%	0%	0%	0%	0%	0%	0%
1936	Below Norm	0%	0%	0%	0%	0%	0%	-28%	0%	0%	25%	25%	0%
1937	Below Norm	0%	0%	0%	-100%	0%	0%	-100%	0%	0%	0%	25%	33%
1938	Wet	0%	0%	0%	0%	0%	-100%	-100%	0%	0%	0%	0%	-30%
1939	Dry	0%	0%	0%	0%	0%	-93%	0%	-36%	-56%	7407%	0%	6%
1940	Above Norm	-10%	-41%	0%	0%	0%	-100%	0%	0%	0%	0%	0%	67%
1941	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1942	Wet	0%	0%	0%	0%	0%	0%	-100%	0%	0%	19%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1944	Dry	15%	0%	0%	0%	0%	0%	0%	0%	0%	-36%	3%	0%
1945	Below Norm	33%	0%	0%	0%	-100%	0%	0%	0%	304%	0%	0%	0%
1946	Below Norm	200%	0%	0%	0%	0%	0%	0%	0%	0%	33%	0%	-25%
1947	Dry	0%	0%	0%	63%	150%	150%	0%	0%	33%	29%	-15%	-33%
1948	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1949	Dry	782%	0%	0%	0%	0%	-100%	0%	0%	384%	0%	0%	-25%
1950	Below Norm	0%	0%	0%	0%	0%	34%	0%	0%	0%	0%	0%	0%
1951	Above Norm	-100%	0%	0%	0%	-100%	-36%	-73%	0%	0%	0%	0%	0%
1952	Wet	67%	-100%	0%	0%	0%	84%	-81%	0%	0%	7%	0%	0%
1953	Wet	0%	0%	0%	-66%	0%	0%	-67%	0%	0%	41%	0%	0%
1954	Above Norm	0%	0%	0%	-100%	332%	0%	392%	0%	0%	0%	0%	0%
1955	Dry	-12%	-100%	0%	0%	0%	0%	0%	0%	0%	0%	25%	0%
1956	Wet	0%	0%	0%	0%	10%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1958	Wet	0%	0%	0%	0%	0%	0%	2483769%	0%	0%	0%	0%	0%
1959	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-13%	4%
1960	Dry	-4%	-50%	0%	-34%	150%	0%	0%	0%	0%	0%	29%	0%
1961	Dry	0%	0%	0%	9760%	-100%	0%	0%	0%	0%	0%	-37%	0%
1962	Below Norm	0%	400%	150%	150%	0%	0%	0%	0%	0%	0%	0%	0%
1963	Wet	-100%	0%	0%	0%	-100%	0%	-100%	0%	0%	0%	0%	-19%
1964	Dry	0%	2103%	0%	-21%	-93%	47%	-55%	0%	0%	0%	25%	0%
1965	Wet	33%	0%	0%	554%	0%	0%	0%	0%	946%	0%	-27%	-94%
1966	Below Norm	0%	0%	0%	35%	0%	0%	0%	0%	0%	0%	-16%	0%
1967	Wet	0%	-100%	513%	0%	0%	8%	0%	0%	15%	0%	0%	0%
1968	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1969	Wet	0%	0%	-100%	-69%	0%	0%	0%	131%	0%	0%	0%	0%
1970	Wet	0%	0%	1%	0%	194%	0%	0%	0%	0%	4381%	-23%	0%
1971	Wet	0%	-100%	0%	0%	-79%	159%	0%	0%	0%	0%	0%	0%
1972	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	1716%	0%	-27%	0%
1973	Above Norm	-58%	-100%	-48%	-100%	0%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	-100%	0%	-100%	0%	0%	4%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	5%	0%
1976	Critical	0%	0%	0%	-96%	0%	0%	0%	0%	-22%	0%	11%	0%
1977	Critical	59%	125%	499%	8%	1102%	0%	-62%	0%	0%	119%	-3%	14%
1978	Above Norm	-39%	0%	-100%	-3%	0%	-78%	0%	0%	0%	0%	0%	0%
1979	Below Norm	0%	0%	0%	0%	0%	-100%	0%	-100%	0%	0%	0%	-25%
1980	Above Norm	0%	925477735%	0%	0%	0%	0%	-89%	0%	0%	0%	0%	-65%
1981	Dry	-100%	150%	0%	0%	-100%	0%	0%	0%	100%	-16%	-25%	67%
1982	Wet	0%	-100%	0%	27%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-90%
1985	Dry	0%	616051087%	0%	-93%	0%	332%	0%	-10%	-47%	0%	0%	27%
1986	Wet	52%	303%	0%	0%	-100%	0%	-64%	0%	83%	0%	0%	67%
1987	Dry	-100%	100%	138%	150%	150%	-100%	0%	0%	1%	0%	-17%	-15%
1988	Critical	25%	-9%	0%	150%	0%	0%	-27%	0%	18%	0%	0%	0%
1989	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	29%	0%	0%
1990	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	0%	3650%	1316%	0%	0%	0%	0%	0%	0%	0%
1992	Critical	0%	0%	0%	0%	0%	0%	-100%	0%	0%	0%	0%	-1%
1993	Above Norm	0%	0%	0%	0%	0%	0%	-100%	0%	0%	0%	20%	0%
1994	Critical	0%	-100%	0%	-91%	0%	0%	0%	-67%	-34%	28%	28%	55%
1995	Wet	0%	0%	0%	-100%	0%	0%	-63%	-70%	0%	0%	0%	0%
1996	Wet	0%	-100%	29%	0%	-15%	0%	-66%	0%	0%	0%	0%	0%
1997	Wet	-100%	76%	0%	0%	0%	0%	-74%	0%	0%	0%	0%	0%
1998	Wet	0%	400%	-99%	-100%	0%	-83%	-37%	0%	0%	1%	0%	0%
1999	Wet	0%	0%	0%	0%	-100%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norm	0%	0%	0%	0%	-67%	0%	0%	0%	-100%	0%	0%	0%
2001	Dry	-1%	0%	0%	0%	0%	0%	0%	0%	-49%	0%	0%	0%
2002	Dry	33%	0%	-100%	0%	0%	0%	0%	0%	67%	0%	0%	0%
2003	Above Norm	-9%	7%	-100%	0%	0%	-100%	0%	0%	0%	0%	0%	0%
Average		8%	304181688%	39637246%	200%	43%	1%	32669%	-9%	51%	150%	0%	-2%
Wet		-2%	15%	9%	9%	-7%	-1%	95501%	-1%	40%	171%	0%	-5%
Above Norm		-18%	-11%	77123135%	-4%	14%	-14%	11%	0%	-8%	6%	2%	-1%
Below Norm		11%	36%	79583117%	21%	-7%	-2%	-9%	-7%	147%	3%	-1%	-4%
Dry		34%	#####	34225074%	546%	9%	13%	-3%	-3%	44%	412%	-1%	2%
Critical		7%	1%	220%	292%	209%	5%	-7%	-11%	-3%	12%	3%	-1%

Difference in Energy generated (GWh) at Keswick Dam : CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	-3	-3	-6	-2	-4	-1	-1
1924	Critical	-2	-2	-1	1	0	-1	0	0	0	1	1	8	0
1925	Dry	3	0	0	0	0	-2	0	0	1	0	0	0	0
1926	Dry	0	0	0	0	0	0	0	2	2	0	2	2	1
1927	Wet	2	0	0	0	2	0	0	0	0	14	1	-1	2
1928	Above Norma	0	-6	0	-4	0	-23	6	5	4	3	5	-4	-1
1929	Critical	0	0	0	0	0	0	0	0	2	1	0	0	0
1930	Dry	0	0	0	0	1	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	3	0	0	1	0
1932	Dry	-1	0	0	0	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	2	0
1934	Critical	0	1	0	0	0	0	-2	0	0	0	0	-2	0
1935	Below Norma	-1	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	0	0	0	0	0	1	0	0	0	0	0	0
1938	Wet	0	-6	-21	0	0	0	0	0	0	0	0	-4	-3
1939	Dry	0	0	0	0	0	0	2	0	10	0	8	-1	2
1940	Above Norma	0	3	0	0	2	0	0	2	0	1	0	-1	1
1941	Wet	4	2	-5	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	-2	0	1	1	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	7	9	2	-4	1
1945	Below Norma	0	0	0	0	0	0	0	0	0	3	0	0	0
1946	Below Norma	1	-2	1	0	4	0	0	0	0	7	1	1	1
1947	Dry	3	0	0	0	0	0	0	0	-3	3	2	-2	0
1948	Below Norma	3	0	0	0	-2	0	0	-7	-14	0	2	3	-1
1949	Dry	-1	0	0	0	5	0	0	0	3	1	0	0	1
1950	Below Norma	0	0	0	1	0	0	0	0	-1	0	3	-1	0
1951	Above Norma	9	-19	-7	0	0	0	0	0	0	0	0	0	-1
1952	Wet	1	0	-6	0	0	2	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	-2	0	1	1	0	0
1954	Above Norma	0	0	0	0	0	0	0	1	-1	0	0	0	0
1955	Dry	3	0	0	0	4	-5	1	1	3	10	2	0	2
1956	Wet	0	0	2	0	0	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	2	0	0
1958	Wet	-3	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	1	0	0	2	-2	0	0	0
1960	Dry	2	15	1	0	0	0	1	0	-1	5	-2	-1	2
1961	Dry	0	1	1	0	-8	-11	0	2	0	0	-11	7	-2
1962	Below Norma	6	5	0	-1	-4	0	0	1	1	0	13	-6	1
1963	Wet	0	-3	-8	0	0	4	0	0	0	-1	0	0	-1
1964	Dry	0	5	0	0	0	0	1	0	5	9	8	4	3
1965	Wet	0	0	-29	0	0	5	-5	2	1	3	1	0	-2
1966	Below Norma	-4	-7	1	3	0	0	0	0	0	0	5	-3	0
1967	Wet	-2	1	-2	0	0	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	1	0	5	-3	1	0
1969	Wet	1	0	-2	0	0	0	0	1	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	1	2	0	4	0	1
1971	Wet	2	0	-6	0	4	-2	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	1	1	4	3	1	3	1
1973	Above Norma	-4	0	-11	0	0	0	0	0	0	0	0	0	-1
1974	Wet	-1	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	2	1	3	1	1	2	1
1977	Critical	4	7	13	1	33	0	-1	0	0	-4	-18	-4	2
1978	Above Norma	-11	-5	-1	0	-15	-17	0	0	0	0	0	-1	-4
1979	Below Norma	0	0	0	0	5	0	1	0	1	2	1	0	1
1980	Above Norma	0	-3	0	-6	0	0	0	0	0	0	0	0	-1
1981	Dry	0	0	0	0	0	-7	0	0	0	5	5	-10	-1
1982	Wet	1	-5	0	1	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	1	0	2	0	1	-1	0
1985	Dry	-8	-2	4	0	0	6	1	1	9	1	0	0	1
1986	Wet	-1	0	0	0	1	0	0	3	3	3	3	3	1
1987	Dry	2	2	0	0	0	0	1	1	0	-4	3	5	1
1988	Critical	-2	0	0	0	1	0	0	0	1	1	1	0	0
1989	Dry	0	0	1	0	0	0	6	0	-1	1	-2	0	0
1990	Critical	0	2	-1	-1	2	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	Above Norma	0	0	0	0	0	0	-2	-30	0	0	0	0	-3
1994	Critical	0	0	0	0	0	0	0	0	2	0	2	3	1
1995	Wet	2	0	0	-8	0	0	-2	0	0	0	0	0	-1
1996	Wet	0	0	0	0	0	0	0	-1	0	0	0	0	0
1997	Wet	0	1	0	0	0	0	0	0	0	3	0	0	0
1998	Wet	0	0	0	1	0	0	0	-2	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	1	0	0	0	0
2001	Dry	-2	1	-1	0	0	0	-1	3	4	5	5	0	1
2002	Dry	1	1	1	-24	4	3	1	1	1	3	10	-5	-1
2003	Above Norma	3	10	0	-28	-1	4	-4	0	0	0	-3	1	-1
Average		0	0	-1	-1	0	-1	0	0	1	1	1	0	0
Wet		0	0	-3	0	0	0	0	0	0	1	0	0	0
Above Norma		0	-2	-2	-3	-1	-3	0	-2	0	0	0	0	-1
Below Norma		0	0	0	0	0	0	0	0	-1	1	1	0	0
Dry		0	1	0	-1	0	-1	1	1	2	3	2	0	1
Critical		0	1	1	0	3	0	0	0	1	0	-1	1	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy generated (GWh) at Keswick Dam : CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1923	Below Norma	0%	0%	0%	0%	0%	0%	0%	-6%	-6%	-10%	-4%	-14%
1924	Critical	-6%	-9%	-7%	6%	0%	-4%	0%	0%	1%	2%	2%	45%
1925	Dry	20%	2%	0%	0%	0%	-5%	0%	1%	3%	1%	1%	0%
1926	Dry	0%	0%	0%	-1%	0%	-1%	-1%	8%	5%	0%	6%	10%
1927	Wet	13%	0%	0%	0%	3%	0%	0%	0%	0%	22%	2%	-2%
1928	Above Norma	-1%	-21%	0%	-19%	0%	-33%	37%	10%	7%	4%	9%	-12%
1929	Critical	-1%	2%	2%	0%	0%	0%	0%	0%	5%	3%	1%	0%
1930	Dry	0%	0%	0%	0%	3%	2%	0%	0%	0%	0%	1%	-1%
1931	Critical	0%	0%	0%	0%	0%	0%	0%	0%	6%	0%	0%	5%
1932	Dry	-4%	3%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1933	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	6%
1934	Critical	1%	3%	0%	0%	0%	0%	-6%	-2%	0%	0%	0%	-9%
1935	Below Norma	-7%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1936	Below Norma	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	-1%	1%
1937	Below Norma	0%	0%	0%	0%	0%	0%	9%	0%	0%	0%	0%	0%
1938	Wet	0%	-22%	-27%	0%	0%	0%	0%	0%	0%	0%	0%	-7%
1939	Dry	0%	0%	0%	0%	0%	0%	5%	1%	18%	-1%	15%	-3%
1940	Above Norma	-1%	12%	0%	0%	3%	0%	0%	8%	0%	1%	1%	-3%
1941	Wet	13%	8%	-14%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1942	Wet	0%	0%	0%	0%	0%	0%	0%	-4%	0%	1%	1%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1944	Dry	0%	0%	0%	0%	0%	0%	0%	1%	17%	17%	5%	-13%
1945	Below Norma	-2%	2%	2%	0%	0%	0%	0%	0%	0%	5%	0%	1%
1946	Below Norma	2%	-10%	2%	0%	13%	0%	1%	1%	1%	13%	2%	4%
1947	Dry	11%	0%	0%	0%	0%	0%	0%	0%	-5%	6%	5%	-6%
1948	Below Norma	15%	2%	2%	0%	-5%	0%	0%	-30%	-33%	0%	3%	8%
1949	Dry	-4%	0%	0%	0%	0%	0%	0%	1%	6%	1%	1%	0%
1950	Below Norma	0%	1%	0%	3%	2%	0%	0%	1%	-1%	-1%	7%	-4%
1951	Above Norma	42%	-48%	-10%	0%	0%	0%	0%	0%	0%	0%	1%	0%
1952	Wet	6%	0%	-10%	0%	0%	4%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	-6%	0%	1%	3%	0%
1954	Above Norma	0%	0%	0%	0%	0%	0%	0%	2%	-2%	0%	1%	0%
1955	Dry	13%	0%	-2%	0%	19%	-23%	3%	5%	6%	17%	6%	0%
1956	Wet	1%	0%	2%	0%	0%	0%	0%	0%	0%	0%	-1%	0%
1957	Above Norma	0%	0%	0%	0%	0%	0%	0%	1%	1%	0%	4%	1%
1958	Wet	-9%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	0%	0%	0%	2%	0%	0%	3%	-3%	0%	1%
1960	Dry	6%	52%	4%	0%	0%	0%	2%	1%	-2%	9%	-5%	-3%
1961	Dry	0%	3%	3%	0%	-37%	-38%	0%	6%	1%	0%	-14%	26%
1962	Below Norma	22%	23%	0%	-5%	-16%	0%	1%	2%	1%	0%	27%	-18%
1963	Wet	0%	-13%	-18%	0%	0%	8%	0%	0%	0%	-2%	0%	0%
1964	Dry	0%	12%	0%	0%	0%	0%	1%	1%	11%	18%	16%	13%
1965	Wet	0%	0%	-37%	0%	0%	25%	-15%	5%	1%	6%	1%	1%
1966	Below Norma	-13%	-18%	3%	10%	0%	0%	0%	0%	0%	0%	8%	-8%
1967	Wet	-6%	5%	-4%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1968	Below Norma	0%	0%	0%	0%	0%	0%	1%	2%	1%	8%	-7%	2%
1969	Wet	4%	2%	-10%	0%	0%	0%	0%	2%	0%	0%	0%	-1%
1970	Wet	0%	0%	0%	0%	0%	0%	1%	2%	4%	0%	8%	1%
1971	Wet	7%	-1%	-12%	0%	13%	-3%	0%	0%	0%	0%	0%	-1%
1972	Below Norma	0%	0%	0%	0%	0%	0%	2%	2%	7%	4%	1%	11%
1973	Above Norma	-17%	0%	-34%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	-3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	10%	3%	5%	2%	3%	8%
1977	Critical	14%	32%	57%	4%	190%	-1%	-3%	-1%	0%	-6%	-36%	-21%
1978	Above Norma	-37%	-28%	-5%	0%	-44%	-27%	0%	0%	0%	0%	0%	-3%
1979	Below Norma	0%	0%	0%	0%	37%	0%	3%	1%	1%	4%	2%	1%
1980	Above Norma	0%	-14%	0%	-8%	0%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	0%	-24%	0%	0%	0%	8%	9%	-27%
1982	Wet	6%	-14%	0%	2%	0%	0%	0%	-1%	0%	0%	-1%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	4%	0%	3%	0%	2%	-5%
1985	Dry	-28%	-5%	15%	0%	0%	37%	3%	2%	16%	1%	0%	-1%
1986	Wet	-5%	-1%	0%	0%	2%	0%	0%	9%	6%	6%	6%	14%
1987	Dry	9%	10%	0%	0%	0%	0%	2%	3%	0%	-6%	7%	15%
1988	Critical	-9%	-1%	0%	0%	6%	0%	0%	0%	2%	2%	2%	0%
1989	Dry	-1%	0%	6%	0%	0%	0%	37%	0%	-3%	1%	-4%	-1%
1990	Critical	2%	7%	-4%	-4%	12%	0%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1992	Critical	0%	0%	0%	0%	0%	0%	1%	0%	1%	1%	0%	0%
1993	Above Norma	-2%	0%	0%	0%	0%	0%	-8%	0%	0%	0%	1%	0%
1994	Critical	0%	0%	0%	0%	0%	0%	0%	0%	4%	0%	3%	10%
1995	Wet	8%	0%	0%	-15%	0%	0%	-5%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	0%	0%	0%	0%	0%	-3%	0%	0%	0%	-1%
1997	Wet	0%	4%	0%	0%	0%	0%	1%	1%	1%	5%	1%	0%
1998	Wet	0%	0%	0%	1%	0%	0%	0%	-2%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%
2000	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	2%	0%	0%	-2%
2001	Dry	-6%	1%	-2%	1%	2%	0%	-3%	6%	7%	9%	12%	1%
2002	Dry	2%	3%	3%	-56%	11%	9%	3%	2%	2%	4%	24%	-16%
2003	Above Norma	9%	42%	2%	-42%	-2%	27%	-10%	0%	0%	0%	-7%	2%
Average		1%	0%	-1%	-2%	3%	-1%	1%	0%	1%	2%	1%	0%
Wet		1%	-1%	-5%	0%	1%	-1%	0%	0%	1%	1%	1%	0%
Above Norma		-1%	-5%	-4%	-6%	-4%	-3%	2%	-3%	1%	1%	1%	-1%
Below Norma		1%	0%	1%	1%	2%	0%	1%	-2%	-1%	3%	3%	-1%
Dry		1%	5%	2%	-3%	1%	-2%	3%	2%	4%	5%	4%	0%
Critical		0%	3%	4%	0%	17%	0%	0%	0%	2%	0%	-2%	4%

Difference in Energy generated (GWh) at Lewiston Dam : CP2_2020 minus CONV_NA

Year Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922 Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923 Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1924 Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1925 Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1926 Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1927 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1928 Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1929 Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1930 Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1931 Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1932 Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1933 Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1934 Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1935 Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1936 Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937 Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1938 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939 Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1940 Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1941 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1942 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944 Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1945 Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1946 Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1947 Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1948 Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1949 Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1950 Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1951 Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1952 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954 Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955 Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1956 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1957 Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959 Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960 Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1961 Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1962 Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1963 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1964 Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1965 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1966 Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1967 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1968 Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972 Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1973 Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1974 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976 Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1977 Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1978 Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1979 Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1980 Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1981 Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985 Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1986 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1987 Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1988 Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1989 Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1990 Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1991 Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992 Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1993 Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1994 Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1995 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1996 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1998 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000 Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
2001 Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002 Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2003 Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
Average	0	0	0	0	0	0	0	0	0	0	0	0	0
Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
Critical	0	0	0	0	0	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy generated (GWh) at Lewiston Dam : CP2_2020 minus CONV_NA

Year Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922 Above Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1923 Below Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1924 Critical	-	-	-	-	-	-	-	-	-	-	-	-
1925 Dry	-	-	-	-	-	-	-	-	-	-	-	-
1926 Dry	-	-	-	-	-	-	-	-	-	-	-	-
1927 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1928 Above Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1929 Critical	-	-	-	-	-	-	-	-	-	-	-	-
1930 Dry	-	-	-	-	-	-	-	-	-	-	-	-
1931 Critical	-	-	-	-	-	-	-	-	-	-	-	-
1932 Dry	-	-	-	-	-	-	-	-	-	-	-	-
1933 Critical	-	-	-	-	-	-	-	-	-	-	-	-
1934 Critical	-	-	-	-	-	-	-	-	-	-	-	-
1935 Below Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1936 Below Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1937 Below Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1938 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1939 Dry	-	-	-	-	-	-	-	-	-	-	-	-
1940 Above Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1941 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1942 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1943 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1944 Dry	-	-	-	-	-	-	-	-	-	-	-	-
1945 Below Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1946 Below Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1947 Dry	-	-	-	-	-	-	-	-	-	-	-	-
1948 Below Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1949 Dry	-	-	-	-	-	-	-	-	-	-	-	-
1950 Below Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1951 Above Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1952 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1953 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1954 Above Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1955 Dry	-	-	-	-	-	-	-	-	-	-	-	-
1956 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1957 Above Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1958 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1959 Below Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1960 Dry	-	-	-	-	-	-	-	-	-	-	-	-
1961 Dry	-	-	-	-	-	-	-	-	-	-	-	-
1962 Below Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1963 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1964 Dry	-	-	-	-	-	-	-	-	-	-	-	-
1965 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1966 Below Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1967 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1968 Below Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1969 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1970 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1971 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1972 Below Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1973 Above Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1974 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1975 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1976 Critical	-	-	-	-	-	-	-	-	-	-	-	-
1977 Critical	-	-	-	-	-	-	-	-	-	-	-	-
1978 Above Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1979 Below Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1980 Above Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1981 Dry	-	-	-	-	-	-	-	-	-	-	-	-
1982 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1983 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1984 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1985 Dry	-	-	-	-	-	-	-	-	-	-	-	-
1986 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1987 Dry	-	-	-	-	-	-	-	-	-	-	-	-
1988 Critical	-	-	-	-	-	-	-	-	-	-	-	-
1989 Dry	-	-	-	-	-	-	-	-	-	-	-	-
1990 Critical	-	-	-	-	-	-	-	-	-	-	-	-
1991 Critical	-	-	-	-	-	-	-	-	-	-	-	-
1992 Critical	-	-	-	-	-	-	-	-	-	-	-	-
1993 Above Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1994 Critical	-	-	-	-	-	-	-	-	-	-	-	-
1995 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1996 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1997 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1998 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1999 Wet	-	-	-	-	-	-	-	-	-	-	-	-
2000 Above Norma-	-	-	-	-	-	-	-	-	-	-	-	-
2001 Dry	-	-	-	-	-	-	-	-	-	-	-	-
2002 Dry	-	-	-	-	-	-	-	-	-	-	-	-
2003 Above Norma-	-	-	-	-	-	-	-	-	-	-	-	-
Average	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Difference in Energy generated (GWh) at New Melones Dam : CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1927	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1932	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1935	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1940	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1945	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1946	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1947	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1948	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1949	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1951	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1961	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1963	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1965	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1966	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Below Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Dry		0	0	0	0	0	0	0	0	0	0	0	0	0
Critical		0	0	0	0	0	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy generated (GWh) at New Melones Dam : CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1923	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1924	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1925	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1926	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1927	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1928	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1929	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1930	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1931	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1932	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1933	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1934	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1935	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1936	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1937	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1938	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1940	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1942	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1944	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1945	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1946	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1947	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1948	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1949	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1950	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1951	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1955	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1956	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1958	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1960	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1961	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1962	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1963	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1964	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1965	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1966	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1968	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1969	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1972	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1973	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1977	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1978	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1979	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1980	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1982	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1986	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1987	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1988	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1989	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1990	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1992	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1993	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1995	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1998	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2001	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2002	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2003	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Average		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Wet		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Above Norm		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Below Norm		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Dry		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Critical		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Difference in Energy generated (GWh) at Nimbus Dam : CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	-1	0	0	0	0	0	0	0	0
1925	Dry	1	0	0	0	0	0	0	0	0	1	0	-1	0
1926	Dry	0	0	0	0	0	1	-1	0	-1	0	-1	1	0
1927	Wet	0	0	0	1	0	0	0	0	0	-6	2	4	0
1928	Above Norma	0	0	0	0	0	0	0	-2	0	2	-1	1	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	0	0	0	0	0	0	1	-1	-1	0
1931	Critical	0	0	0	1	0	0	0	0	0	0	0	-1	0
1932	Dry	1	0	0	0	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	1	0	0	0	0	0	0
1935	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	-1	0	-1	3	-2	2	0
1940	Above Norma	0	-2	0	1	0	0	0	-1	0	-1	0	0	0
1941	Wet	-2	-1	3	1	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	-2	0	1	0	0
1945	Below Norma	0	0	0	0	0	0	0	0	0	-2	0	2	0
1946	Below Norma	0	0	0	0	-1	1	0	0	0	2	-3	0	0
1947	Dry	0	1	0	0	0	0	0	1	-1	0	0	1	0
1948	Below Norma	0	0	0	-1	1	0	1	0	0	0	0	-1	0
1949	Dry	0	0	0	0	-1	1	0	0	-1	0	0	1	0
1950	Below Norma	0	0	0	1	0	0	0	0	0	0	0	0	0
1951	Above Norma	-2	0	0	0	0	0	0	0	-1	0	-1	-1	0
1952	Wet	0	1	1	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	-1	0	0	0	0	0
1955	Dry	0	0	0	0	-2	0	0	0	0	-2	2	-1	0
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	0	0	-2	0	0	0
1961	Dry	0	0	0	0	0	0	0	0	0	1	0	0	0
1962	Below Norma	0	0	0	0	0	0	0	0	0	0	-3	0	0
1963	Wet	3	0	0	0	0	-1	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	0	0	0	-1	0	0	0	0
1965	Wet	0	0	0	0	0	-2	1	-1	1	0	0	0	0
1966	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	-2	0	0	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	-6	1	0	0
1969	Wet	0	0	0	-1	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	-2	0	0
1971	Wet	0	0	2	0	-1	1	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	0	0	-1	1	-2	-1	0
1973	Above Norma	0	0	2	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	-1	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	-1	2	0	0
1978	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	-1	0	-1	0	0	1	0
1985	Dry	0	0	0	0	0	0	0	0	-1	0	0	0	0
1986	Wet	0	0	0	0	0	0	0	0	0	2	-2	0	0
1987	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	Dry	0	0	2	0	2	0	0	0	0	0	0	1	0
1990	Critical	0	-1	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	Above Norma	0	0	0	1	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	-1	-1	0	-2	0
1995	Wet	2	0	0	0	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	-2	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	-1	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	-1	-1	0	0	0	1	0	-1	0
2003	Above Norma	0	1	0	1	-1	1	0	0	-2	0	1	0	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Below Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Dry		0	0	0	0	0	0	0	0	0	0	0	0	0
Critical		0	0	0	0	0	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy generated (GWh) at Nimbus Dam : CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1923	Below Norma	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%	-6%	10%
1924	Critical	11%	0%	0%	0%	-57%	9%	0%	0%	-1%	4%	-18%	-8%
1925	Dry	63%	0%	2%	4%	0%	0%	0%	0%	2%	10%	13%	-20%
1926	Dry	2%	0%	2%	2%	-4%	13%	-12%	0%	-12%	3%	-33%	112%
1927	Wet	-10%	-9%	-9%	21%	0%	0%	0%	0%	0%	-57%	29%	91%
1928	Above Norma	0%	0%	-1%	-11%	11%	0%	0%	-38%	-6%	37%	-17%	25%
1929	Critical	0%	3%	3%	3%	0%	3%	0%	3%	-3%	-1%	-1%	2%
1930	Dry	0%	0%	0%	0%	0%	0%	0%	-9%	3%	27%	-31%	-16%
1931	Critical	0%	3%	3%	33%	3%	1%	2%	5%	-13%	-11%	-10%	-29%
1932	Dry	35%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1933	Critical	0%	0%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%	5%
1934	Critical	1%	0%	0%	0%	-4%	-6%	9%	-1%	-2%	-2%	0%	46%
1935	Below Norma	25%	0%	0%	1%	0%	0%	1%	0%	0%	0%	0%	0%
1936	Below Norma	0%	0%	1%	0%	0%	0%	0%	0%	0%	-2%	4%	0%
1937	Below Norma	0%	0%	3%	4%	-3%	0%	0%	0%	0%	0%	0%	0%
1938	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	0%	0%	-19%	0%	-19%	42%	-57%	165%
1940	Above Norma	-7%	-65%	-2%	18%	0%	0%	0%	-14%	0%	-5%	-2%	17%
1941	Wet	-24%	-21%	70%	7%	0%	0%	0%	0%	0%	0%	0%	0%
1942	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%
1944	Dry	0%	0%	1%	1%	2%	2%	1%	0%	-32%	-1%	14%	-3%
1945	Below Norma	0%	0%	0%	0%	-1%	0%	0%	0%	-3%	-16%	4%	39%
1946	Below Norma	0%	-1%	0%	0%	-21%	26%	0%	0%	-4%	32%	-44%	-7%
1947	Dry	0%	25%	1%	1%	6%	6%	0%	0%	-26%	4%	-3%	39%
1948	Below Norma	0%	-1%	-2%	-58%	83%	-2%	11%	0%	0%	5%	4%	-10%
1949	Dry	0%	0%	1%	1%	-27%	37%	0%	-1%	-18%	-3%	-7%	34%
1950	Below Norma	0%	1%	1%	20%	0%	0%	0%	0%	0%	0%	0%	0%
1951	Above Norma	-33%	-2%	0%	0%	0%	0%	0%	0%	-11%	0%	-15%	-28%
1952	Wet	0%	20%	13%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	-3%	4%	0%
1954	Above Norma	0%	0%	0%	0%	0%	0%	0%	-10%	0%	-3%	0%	-1%
1955	Dry	0%	3%	4%	3%	-52%	-1%	9%	1%	8%	-35%	67%	-24%
1956	Wet	-3%	1%	-3%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	-3%	0%	-1%	-3%
1958	Wet	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	0%	0%	0%	-9%	3%	2%	2%	0%	0%	0%
1960	Dry	0%	0%	0%	0%	7%	0%	-3%	0%	0%	-34%	5%	1%
1961	Dry	0%	1%	1%	1%	0%	1%	2%	1%	1%	12%	1%	0%
1962	Below Norma	0%	0%	0%	0%	-9%	0%	0%	0%	-3%	0%	-51%	20%
1963	Wet	43%	0%	0%	0%	0%	-24%	0%	0%	0%	-2%	0%	0%
1964	Dry	0%	2%	0%	0%	0%	0%	0%	0%	-13%	3%	7%	-3%
1965	Wet	0%	10%	1%	0%	0%	-37%	14%	-11%	15%	-2%	0%	3%
1966	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%
1967	Wet	0%	0%	-44%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1968	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	12%	-59%	87%	26%
1969	Wet	0%	0%	5%	-5%	0%	0%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	0%	0%	0%	-9%	4%	-34%	0%
1971	Wet	0%	0%	16%	0%	-7%	7%	0%	0%	0%	0%	0%	0%
1972	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	-16%	9%	-45%	-42%
1973	Above Norma	3%	5%	41%	0%	0%	0%	0%	0%	-1%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	0%	-3%	-45%	9%	0%	0%
1977	Critical	0%	1%	1%	0%	0%	0%	0%	0%	0%	-61%	329%	8%
1978	Above Norma	-1%	13%	0%	-3%	0%	0%	0%	0%	0%	0%	0%	0%
1979	Below Norma	0%	1%	3%	-3%	0%	0%	-5%	3%	-3%	5%	-2%	-1%
1980	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	0%	0%	0%	0%	3%	0%	0%	0%
1982	Wet	0%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	-15%	0%	-12%	0%	-11%	37%
1985	Dry	0%	5%	0%	0%	0%	16%	-1%	-1%	-10%	1%	0%	26%
1986	Wet	0%	0%	3%	-3%	0%	0%	-1%	-1%	-1%	35%	-23%	0%
1987	Dry	0%	0%	0%	0%	0%	0%	-3%	-4%	-1%	-7%	-2%	-5%
1988	Critical	0%	3%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%
1989	Dry	0%	0%	176%	-10%	187%	1%	0%	0%	-1%	-2%	-2%	41%
1990	Critical	0%	-16%	10%	10%	-26%	0%	0%	1%	0%	0%	0%	1%
1991	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	0%	1%
1992	Critical	0%	1%	0%	0%	0%	0%	-2%	-5%	-9%	-11%	-16%	-1%
1993	Above Norma	-1%	0%	0%	16%	0%	0%	0%	0%	0%	1%	0%	-1%
1994	Critical	0%	0%	0%	0%	0%	0%	0%	0%	-24%	-15%	27%	-71%
1995	Wet	157%	2%	1%	-2%	0%	0%	0%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	0%	0%	1%	-18%	0%	3%
1998	Wet	0%	5%	5%	-1%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	0%
2000	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	-8%	0%	1%	5%
2001	Dry	0%	2%	0%	0%	1%	0%	1%	0%	1%	0%	1%	0%
2002	Dry	0%	2%	2%	-1%	-7%	-13%	4%	0%	-2%	12%	-3%	-40%
2003	Above Norma	2%	17%	3%	17%	-18%	42%	0%	0%	-27%	0%	54%	9%
Average		3%	0%	4%	1%	1%	1%	0%	-1%	-4%	-1%	3%	6%
Wet		6%	0%	2%	1%	0%	-2%	0%	0%	-2%	-1%	0%	5%
Above Norma		-3%	-3%	3%	3%	-1%	3%	0%	-5%	-5%	3%	2%	2%
Below Norma		2%	0%	0%	-3%	3%	1%	0%	-1%	-2%	-4%	-4%	3%
Dry		6%	2%	11%	0%	6%	3%	-1%	-1%	-6%	2%	-2%	17%
Critical		1%	0%	1%	4%	-7%	1%	1%	0%	-8%	-7%	26%	-4%

Difference in Energy generated (GWh) at O'Neill: CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	-1	0
1925	Dry	0	0	0	0	0	0	0	0	0	-1	0	0	0
1926	Dry	0	0	0	0	0	0	0	-1	0	0	0	-2	0
1927	Wet	0	0	0	0	0	0	0	1	0	-1	0	0	0
1928	Above Norma	0	0	0	0	0	0	0	0	0	-2	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	-1	-1	0	0	0
1930	Dry	0	0	0	0	0	0	0	0	0	-3	2	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1932	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1935	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	0	-1	0	-1	-2	0	0
1940	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	-1	-2	-1	0	0
1945	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1946	Below Norma	0	0	0	0	0	0	0	0	0	-1	0	0	0
1947	Dry	0	0	0	0	0	0	0	0	1	-1	-1	0	0
1948	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1949	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Norma	0	0	0	0	0	0	0	-2	0	0	0	0	0
1951	Above Norma	0	0	0	0	0	0	0	-2	-1	1	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	-1	0	-4	0	0
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	0	1	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	1	1	1	1	0	0
1961	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Norma	-1	0	0	0	0	0	0	-1	0	1	0	0	0
1963	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	0	0	1	2	-2	-2	0	0
1965	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1966	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	1	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	0	0	-1	0	0	0	0
1973	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	-1	0	-1	0
1977	Critical	0	0	0	0	0	0	0	0	0	1	3	0	0
1978	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	1	0	0	0	0
1986	Wet	0	0	0	0	0	0	0	0	0	-3	0	0	0
1987	Dry	0	0	0	0	0	0	0	0	0	1	-1	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	-1	0	0	0
1989	Dry	0	0	0	0	0	0	0	0	0	1	1	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	3	0	0	0	0
1995	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	-1	-1	-1	-1	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	Above Norma	0	0	0	0	0	0	0	0	2	0	0	0	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Below Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Dry		0	0	0	0	0	0	0	0	0	0	0	0	0
Critical		0	0	0	0	0	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy generated (GWh) at O'Neill: CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	-	-	-	-	-	-	-	-	-	-	-	-
1923	Below Norma	-	-	-	-	-	-	-	-11%	-16%	-	-	-
1924	Critical	-	-	-	-	-100%	0%	-6%	0%	0%	-34%	0%	-100%
1925	Dry	-	-	-	-	-	-	-	14%	-13%	-41%	-2%	-
1926	Dry	-	-	-	-	-	-	-	-33%	0%	5%	2%	-100%
1927	Wet	-	-	-	-	-	-	-	31%	0%	-100%	-	-
1928	Above Norma	-	-	-	-	-	-	-	15%	14%	-63%	-	-
1929	Critical	-	-	-	-	-	6%	0%	-4%	-16%	-23%	0%	-
1930	Dry	-	-	-	-	-	-	11%	3%	-2%	-56%	55%	-
1931	Critical	-	-	-	-	-	-	0%	0%	0%	8%	-2%	-
1932	Dry	-	-	-	-	-	0%	-1%	-1%	-1%	-2%	-	-
1933	Critical	-	-	-	-	-	0%	0%	0%	0%	0%	0%	-
1934	Critical	-	-	-	-	-	-2%	-2%	-1%	-1%	-3%	-1%	42%
1935	Below Norma	5%	-	-	-	-	-	-	0%	-1%	0%	1%	-
1936	Below Norma	-	-	-	-	-	-	-	-	-1%	8%	-15%	-
1937	Below Norma	-	-	-	-	-	-	-	-	-1%	-2%	-3%	-
1938	Wet	-	-	-	-	-	-	-	-	-	-	-	-
1939	Dry	-	-	-	-	-	-	82%	-29%	14%	-100%	-90%	-
1940	Above Norma	-	-	-	-	-	-	-	-6%	-5%	-3%	-	-
1941	Wet	-	-	-	-	-	-	-	-	-	-	-	-
1942	Wet	-	-	-	-	-	-	-	0%	-	-	-	-
1943	Wet	-	-	-	-	-	-	-	-	0%	-	-	-
1944	Dry	-	-	-	-	-	-	75%	13%	-47%	-61%	-39%	-
1945	Below Norma	-	-	-	-	-	-	-	15%	0%	-	-	-
1946	Below Norma	-	-	-	-	-	-	-	6%	5%	-100%	-	-
1947	Dry	-	-	-	-	-	-	10%	1%	91%	-100%	-57%	-
1948	Below Norma	-	-	-	-	-	-	-	3%	4%	-	-	-
1949	Dry	-	-	-	-	-	-	0%	0%	0%	-	-	-
1950	Below Norma	-	-	-	-	-	-	-	-62%	16%	-1%	-	-
1951	Above Norma	-	-	-	-	-	-	-	-55%	-28%	40%	-	-
1952	Wet	-	-	-	-	-	-	-	-	-	-	-	-
1953	Wet	-	-	-	-	-	-	-	0%	0%	-	-	-
1954	Above Norma	-	-	-	-	-	-	-	0%	0%	8%	-	-
1955	Dry	-	-	-	-	-	-	5%	14%	-53%	-100%	-71%	-
1956	Wet	-	-	-	-	-	-	-	-	-	-	-	-
1957	Above Norma	-	-	-	-	-	-	-	0%	0%	281%	-	-
1958	Wet	-	-	-	-	-	-	-	-	-	-	-	-
1959	Below Norma	-	-	-	-	-	-	0%	0%	0%	-	-	-
1960	Dry	-	-	-	-	-	-	10%	82%	39%	36%	40%	-
1961	Dry	-	-	-	-	-	-	0%	3%	12%	-	-	-
1962	Below Norma	-100%	-	-	-	-	-	-	-24%	6%	-	-	-
1963	Wet	-	-	-	-	-	-	-	0%	0%	-28%	-	-
1964	Dry	-	-	-	-	-	-	24%	89%	130%	-100%	-100%	-
1965	Wet	-	-	-	-	-	-	-	5%	7%	-	-	-
1966	Below Norma	-	-	-	-	-	-	-	0%	0%	-	-	-
1967	Wet	-	-	-	-	-	-	-	-	-	-	-	-
1968	Below Norma	-	-	-	-	-	-	-	0%	0%	-	-	-
1969	Wet	-	-	-	-	-	-	-	-	-	-	-	-
1970	Wet	-	-	-	-	-	-	-	5%	7%	2%	-	-
1971	Wet	-	-	-	-	-	-	-	0%	0%	-5%	-	-
1972	Below Norma	-	-	-	-	-	-	0%	0%	-32%	-8%	-	-
1973	Above Norma	-	-	-	-	-	-	-	0%	0%	-	-	-
1974	Wet	-	-	-	-	-	-	-	0%	0%	-	-	-
1975	Wet	-	-	-	-	-	-	-	-2%	0%	-	-	-
1976	Critical	-	-	-	-	-	-	-9%	-9%	-11%	-24%	4%	-75%
1977	Critical	-	-	-	-	-	0%	0%	0%	0%	-	349%	-
1978	Above Norma	-	-	-	-	-	-	-	-	-	-	-	-
1979	Below Norma	-	-	-	-	-	-	-	-	10%	-	-	-
1980	Above Norma	-	-	-	-	-	-	-	-	-	-	-	-
1981	Dry	-	-	-	-	-	-	-	0%	-3%	-	-	-
1982	Wet	-	-	-	-	-	-	-	-	-	-	-	-
1983	Wet	-	-	-	-	-	-	-	-	-	-	-	-
1984	Wet	-	-	-	-	-	-	-	0%	0%	5%	-	-
1985	Dry	-	-	-	-	-	-	16%	5%	68%	-	-	-
1986	Wet	-	-	-	-	-	-	-	-	-	-39%	-	-
1987	Dry	-	-	-	-	-	-	-46%	-1%	-1%	-	-27%	-
1988	Critical	-	-	-	-	-	1%	10%	3%	-16%	-68%	1%	-
1989	Dry	-	-	-	-	-	-	-	8%	54%	153%	55%	-
1990	Critical	-	-	-	-	-	-	0%	0%	0%	-1%	0%	3%
1991	Critical	-	-	-	-	-	-	0%	0%	0%	1%	0%	-
1992	Critical	-	-	-	-	-	-	-	3%	4%	-2%	6%	-
1993	Above Norma	-	-	-	-	-	-	-	1%	-	-	-	-
1994	Critical	-	-	-	-	-	-	0%	0%	110%	-	-	-
1995	Wet	-	-	-	-	-	-	-	-	-	-	-	-
1996	Wet	-	-	-	-	-	-	-	-	-11%	-	-	-
1997	Wet	-	-	-	-	-	-	-	-22%	0%	-	-	-
1998	Wet	-	-	-	-	-	-	-	-	-	-	-	-
1999	Wet	-	-	-	-	-	-	-	0%	0%	-	-	-
2000	Above Norma	-	-	-	-	-	-	-	0%	0%	18%	-	-
2001	Dry	-	-	-	-	-	-	96%	20%	-44%	-100%	-17%	-100%
2002	Dry	-	-	-	-	-	-	-	3%	5%	-	-	-
2003	Above Norma	-	-	-	-	-	-	-	8%	112%	5%	-	-
<hr/>													
Average		-47%	#DIV/0!	#DIV/0!	#DIV/0!	-100%	1%	11%	1%	6%	-14%	3%	-55%
Wet		0%	0%	0%	0%	0%	0%	0%	1%	0%	-6%	0%	0%
Above Norma		0%	0%	0%	0%	0%	0%	0%	-3%	8%	24%	0%	0%
Below Norma		-7%	0%	0%	0%	0%	0%	0%	-5%	-1%	-7%	-1%	0%
Dry		0%	0%	0%	0%	0%	0%	16%	11%	14%	-26%	-14%	-11%
Critical		0%	0%	0%	0%	-8%	0%	-1%	-1%	6%	-12%	30%	-11%

Difference in Energy generated (GWh) at Shasta Dam : CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norm	0	0	0	0	0	-4	0	0	0	-12	1	-12	-2
1923	Below Norm	1	-5	-2	-3	1	-1	1	-13	-19	-21	-5	-1	-6
1924	Critical	-4	-6	-2	17	17	2	-3	7	12	14	12	49	10
1925	Dry	4	1	2	0	0	-7	3	2	-10	6	4	2	1
1926	Dry	3	2	2	1	1	0	0	15	11	2	16	9	5
1927	Wet	11	0	0	-3	-27	4	7	9	10	192	-7	-16	15
1928	Above Norm	-2	-31	-3	-26	1	-135	36	37	28	9	34	5	-4
1929	Critical	0	4	4	33	-3	-3	1	0	11	8	2	0	5
1930	Dry	0	0	-6	0	3	3	0	1	1	1	2	-1	0
1931	Critical	0	0	0	0	0	2	1	1	14	0	-1	5	2
1932	Dry	-5	0	0	0	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	6	1
1934	Critical	1	2	0	2	1	2	-6	-1	-1	-1	-2	-6	-1
1935	Below Norm	-1	0	0	-3	0	0	0	0	0	0	0	0	0
1936	Below Norm	0	0	0	0	1	0	0	0	0	-6	-7	2	-1
1937	Below Norm	1	0	1	0	0	0	12	0	-1	-1	-6	-6	0
1938	Wet	2	-31	-124	4	24	28	9	6	9	10	8	4	-4
1939	Dry	6	4	4	3	3	40	18	17	102	-74	47	-6	14
1940	Above Norm	7	30	1	0	12	29	3	19	9	15	10	-23	9
1941	Wet	26	13	-21	29	26	9	10	10	9	8	9	7	11
1942	Wet	6	4	15	15	25	4	12	-1	8	4	13	7	9
1943	Wet	5	4	5	10	6	9	4	7	10	10	8	4	7
1944	Dry	2	4	4	3	4	4	6	7	50	88	14	-20	14
1945	Below Norm	-6	3	3	1	3	1	1	2	-12	21	2	3	2
1946	Below Norm	-8	-11	-13	6	26	3	6	8	9	40	12	21	8
1947	Dry	22	2	2	-1	-2	-2	2	4	-17	15	25	4	5
1948	Below Norm	15	3	3	1	-7	1	1	-39	-80	12	17	22	-4
1949	Dry	-20	4	4	3	34	8	3	6	8	13	7	15	7
1950	Below Norm	4	4	3	5	4	1	2	5	3	3	22	-4	4
1951	Above Norm	70	-105	-30	6	11	5	32	4	8	10	8	4	2
1952	Wet	-1	15	-27	6	14	9	14	8	7	8	8	7	6
1953	Wet	5	4	7	28	3	3	18	-7	9	1	16	7	8
1954	Above Norm	5	6	4	11	13	7	8	20	1	11	11	4	9
1955	Dry	25	15	1	2	29	-26	8	11	23	63	2	1	13
1956	Wet	2	1	22	29	27	3	3	9	9	8	6	7	11
1957	Above Norm	6	4	4	3	6	7	9	6	11	11	20	3	8
1958	Wet	-13	5	8	10	25	24	8	6	9	9	9	7	9
1959	Below Norm	6	4	4	7	10	12	7	7	24	0	21	1	8
1960	Dry	15	91	6	4	-3	2	4	2	-3	31	-24	-3	10
1961	Dry	2	4	4	-5	-46	-61	5	18	10	10	-72	41	-8
1962	Below Norm	35	24	0	-6	-19	3	7	10	12	11	83	-30	11
1963	Wet	9	-14	-37	4	5	33	24	4	9	4	7	8	5
1964	Dry	6	7	4	7	34	1	15	8	35	59	29	22	19
1965	Wet	-6	0	-160	29	2	35	-27	22	-21	32	28	36	-2
1966	Below Norm	-18	-36	-10	19	4	10	5	8	13	12	49	-11	4
1967	Wet	-6	20	-29	7	5	12	8	14	9	9	9	7	5
1968	Below Norm	6	4	4	3	12	3	8	10	13	40	-12	7	8
1969	Wet	8	6	-1	-10	25	4	9	11	9	9	7	5	7
1970	Wet	6	4	13	29	10	3	9	10	19	-35	49	4	10
1971	Wet	16	14	-28	12	38	-23	3	9	9	11	7	5	6
1972	Below Norm	6	4	4	3	4	9	11	11	-1	27	31	19	11
1973	Above Norm	-4	15	-57	12	13	5	4	6	10	10	8	3	2
1974	Wet	0	28	29	29	3	27	4	5	9	7	9	7	13
1975	Wet	6	4	4	4	4	26	3	8	9	7	8	7	8
1976	Critical	7	4	4	72	2	2	16	11	30	10	1	10	14
1977	Critical	11	21	22	3	138	-5	2	-9	-21	-69	-66	0	2
1978	Above Norm	0	0	2	0	-84	-98	5	9	10	10	8	0	-11
1979	Below Norm	5	4	4	4	32	5	5	9	14	22	8	15	11
1980	Above Norm	2	-15	0	-44	26	3	25	5	7	8	6	35	5
1981	Dry	22	-9	-1	2	4	-38	3	7	-9	53	53	-72	1
1982	Wet	9	-20	29	6	24	10	25	2	8	9	6	7	10
1983	Wet	6	5	11	16	26	29	6	7	11	10	9	8	12
1984	Wet	6	10	29	5	3	8	15	7	17	10	10	41	13
1985	Dry	-44	-7	5	38	3	21	7	10	87	7	1	-10	10
1986	Wet	-16	-7	1	1	20	27	35	22	9	25	22	-9	11
1987	Dry	31	8	-2	-2	-2	4	8	11	4	-17	30	32	9
1988	Critical	-15	0	1	-3	2	1	5	2	3	10	5	1	1
1989	Dry	0	1	5	1	0	0	32	-1	-8	-8	-8	-1	1
1990	Critical	2	11	-4	-3	10	0	0	0	0	1	0	0	1
1991	Critical	0	0	0	0	-1	0	0	0	0	1	0	0	0
1992	Critical	0	0	0	0	0	0	1	1	1	2	0	0	1
1993	Above Norm	-1	0	0	0	0	0	-11	-181	9	13	3	6	-13
1994	Critical	5	4	4	28	2	4	5	17	40	-9	2	-6	8
1995	Wet	15	4	3	-38	5	27	5	11	8	9	9	7	6
1996	Wet	5	14	-5	3	25	7	12	1	8	9	7	5	8
1997	Wet	6	6	29	29	3	4	37	8	9	29	7	3	14
1998	Wet	3	-7	9	26	26	15	13	3	16	11	9	8	11
1999	Wet	7	8	9	6	24	9	3	9	9	10	7	4	9
2000	Above Norm	6	5	4	7	26	5	3	7	17	11	7	0	8
2001	Dry	-7	13	3	6	5	2	1	24	63	-34	28	2	15
2002	Dry	1	4	10	-132	31	20	8	9	-1	24	57	-26	0
2003	Above Norm	21	53	4	-157	1	28	-17	13	9	11	-10	6	-3
Average		4	3	-2	3	9	3	7	4	9	12	9	4	5
Wet		5	4	-8	11	14	13	10	8	9	16	11	7	8
Above Norm		9	-3	-6	-16	2	-12	8	-5	10	9	9	3	1
Below Norm		3	0	0	3	5	3	5	1	-2	11	15	3	4
Dry		4	8	3	-4	5	-2	7	8	19	17	12	-1	6
Critical		1	3	2	13	14	0	2	2	7	-3	-4	5	4

Shasta Lake Water Resource Investigation
Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy generated (GWh) at Shasta Dam : CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	0%	0%	-3%	0%	0%	0%	-4%	0%	-10%
1923	Below Norma	1%	-5%	-2%	-4%	1%	-1%	1%	-5%	-7%	-8%	-3%	-1%
1924	Critical	-3%	-5%	-2%	37%	38%	2%	-2%	4%	6%	9%	11%	110%
1925	Dry	8%	2%	3%	3%	2%	-4%	8%	2%	-5%	2%	2%	2%
1926	Dry	2%	2%	2%	1%	2%	0%	0%	10%	5%	1%	11%	13%
1927	Wet	15%	0%	0%	-3%	-6%	3%	3%	4%	4%	60%	-3%	-14%
1928	Above Norma	-2%	-23%	-3%	-24%	1%	-34%	42%	13%	10%	3%	13%	5%
1929	Critical	0%	5%	4%	111%	-4%	-4%	1%	0%	6%	4%	1%	0%
1930	Dry	0%	0%	-11%	1%	4%	3%	0%	0%	1%	1%	1%	-1%
1931	Critical	0%	1%	1%	1%	1%	2%	0%	0%	7%	0%	0%	5%
1932	Dry	-6%	0%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1933	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	7%
1934	Critical	1%	3%	-1%	3%	3%	3%	-5%	-1%	0%	-1%	-1%	-13%
1935	Below Norma	-2%	0%	0%	-8%	0%	0%	0%	0%	0%	0%	0%	0%
1936	Below Norma	0%	0%	0%	0%	1%	0%	0%	0%	0%	-2%	-3%	2%
1937	Below Norma	1%	0%	1%	1%	0%	0%	18%	0%	0%	0%	-3%	-6%
1938	Wet	2%	-24%	-29%	3%	6%	6%	-3%	3%	4%	3%	3%	2%
1939	Dry	3%	4%	4%	4%	3%	50%	8%	8%	43%	-22%	25%	-5%
1940	Above Norma	17%	42%	1%	1%	3%	6%	3%	11%	3%	5%	4%	-17%
1941	Wet	22%	13%	-14%	6%	6%	3%	3%	4%	4%	3%	3%	3%
1942	Wet	3%	4%	4%	4%	6%	3%	12%	0%	4%	1%	5%	3%
1943	Wet	3%	4%	4%	3%	3%	3%	3%	4%	4%	3%	4%	4%
1944	Dry	2%	4%	4%	4%	4%	3%	3%	5%	24%	41%	7%	-16%
1945	Below Norma	-6%	4%	4%	2%	4%	1%	1%	1%	-5%	7%	1%	2%
1946	Below Norma	-6%	-10%	-3%	3%	18%	3%	4%	4%	4%	14%	6%	23%
1947	Dry	15%	2%	2%	-1%	-2%	-2%	2%	2%	-6%	5%	14%	3%
1948	Below Norma	20%	4%	4%	1%	-4%	2%	2%	-32%	-33%	4%	7%	12%
1949	Dry	-13%	4%	4%	4%	17%	18%	2%	3%	3%	4%	4%	18%
1950	Below Norma	3%	4%	3%	6%	5%	1%	-2%	3%	1%	1%	11%	-4%
1951	Above Norma	84%	-51%	-8%	3%	3%	5%	20%	3%	3%	3%	4%	3%
1952	Wet	-1%	17%	-8%	3%	3%	3%	3%	3%	4%	3%	3%	3%
1953	Wet	3%	4%	4%	6%	3%	3%	17%	-3%	4%	0%	7%	3%
1954	Above Norma	3%	4%	4%	3%	3%	3%	3%	6%	0%	3%	5%	4%
1955	Dry	22%	17%	1%	3%	23%	-22%	6%	8%	9%	24%	1%	2%
1956	Wet	2%	1%	5%	6%	6%	3%	3%	3%	4%	3%	2%	3%
1957	Above Norma	3%	4%	4%	4%	3%	3%	3%	4%	4%	3%	9%	4%
1958	Wet	-6%	4%	4%	4%	3%	5%	3%	3%	4%	3%	3%	3%
1959	Below Norma	3%	4%	4%	3%	3%	5%	3%	3%	7%	0%	9%	2%
1960	Dry	13%	82%	6%	6%	-5%	2%	3%	1%	-1%	12%	-11%	-2%
1961	Dry	1%	5%	5%	-7%	-43%	-41%	2%	9%	3%	3%	-19%	45%
1962	Below Norma	34%	22%	0%	-5%	-18%	3%	5%	5%	5%	3%	38%	-22%
1963	Wet	9%	-11%	-17%	4%	3%	12%	5%	3%	4%	1%	3%	9%
1964	Dry	3%	4%	4%	7%	47%	1%	6%	4%	16%	28%	16%	18%
1965	Wet	-6%	0%	-41%	6%	3%	30%	-14%	9%	-8%	10%	18%	39%
1966	Below Norma	-12%	-18%	-9%	14%	3%	3%	3%	4%	4%	3%	22%	-10%
1967	Wet	-4%	27%	-16%	3%	3%	3%	3%	4%	4%	3%	3%	3%
1968	Below Norma	3%	4%	4%	4%	3%	3%	4%	5%	4%	14%	-6%	7%
1969	Wet	10%	7%	-2%	-2%	3%	3%	3%	3%	4%	3%	3%	2%
1970	Wet	3%	4%	4%	6%	4%	3%	4%	5%	8%	-9%	28%	7%
1971	Wet	14%	18%	-11%	4%	24%	-6%	3%	4%	4%	3%	3%	2%
1972	Below Norma	3%	4%	4%	3%	3%	3%	5%	5%	0%	8%	13%	22%
1973	Above Norma	-4%	18%	-35%	4%	3%	3%	3%	4%	4%	3%	4%	4%
1974	Wet	0%	6%	6%	6%	3%	6%	3%	3%	4%	3%	3%	3%
1975	Wet	3%	4%	4%	4%	3%	5%	3%	3%	4%	3%	3%	3%
1976	Critical	4%	4%	4%	331%	2%	2%	12%	5%	11%	4%	0%	14%
1977	Critical	9%	24%	21%	4%	161%	-6%	1%	-7%	-7%	-28%	-51%	0%
1978	Above Norma	0%	1%	4%	-	-54%	-29%	3%	4%	4%	3%	3%	0%
1979	Below Norma	3%	4%	4%	4%	48%	6%	6%	6%	4%	7%	5%	20%
1980	Above Norma	2%	-13%	0%	-10%	6%	3%	26%	3%	3%	3%	3%	45%
1981	Dry	20%	-8%	-1%	2%	5%	-26%	3%	3%	-2%	20%	25%	-48%
1982	Wet	13%	-12%	6%	3%	6%	3%	5%	3%	4%	3%	2%	3%
1983	Wet	3%	4%	4%	4%	6%	6%	3%	3%	4%	3%	3%	3%
1984	Wet	3%	4%	6%	3%	3%	3%	8%	4%	7%	3%	5%	51%
1985	Dry	-28%	-3%	4%	50%	3%	25%	6%	4%	33%	3%	0%	-8%
1986	Wet	-15%	-8%	2%	2%	5%	6%	51%	12%	3%	10%	11%	-17%
1987	Dry	35%	7%	-2%	-3%	-3%	5%	4%	4%	1%	-6%	24%	26%
1988	Critical	-13%	0%	1%	-5%	2%	1%	4%	1%	1%	4%	4%	1%
1989	Dry	0%	1%	7%	1%	1%	1%	40%	0%	-3%	-3%	-4%	0%
1990	Critical	3%	8%	-4%	-4%	13%	0%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%	0%
1992	Critical	0%	0%	0%	0%	0%	0%	2%	0%	0%	1%	0%	0%
1993	Above Norma	-2%	0%	0%	0%	0%	0%	-8%	-64%	4%	4%	2%	3%
1994	Critical	3%	4%	4%	47%	3%	3%	3%	11%	16%	-3%	1%	-6%
1995	Wet	14%	5%	5%	-19%	3%	6%	3%	3%	4%	3%	3%	3%
1996	Wet	3%	11%	-5%	3%	6%	3%	11%	0%	3%	3%	3%	2%
1997	Wet	3%	4%	6%	6%	3%	3%	22%	3%	3%	10%	5%	4%
1998	Wet	3%	-7%	10%	6%	6%	4%	19%	1%	4%	3%	3%	3%
1999	Wet	3%	4%	4%	3%	6%	3%	3%	3%	4%	3%	3%	2%
2000	Above Norma	3%	4%	4%	3%	6%	3%	3%	3%	6%	3%	3%	0%
2001	Dry	-4%	6%	2%	6%	7%	3%	0%	10%	22%	15%	19%	3%
2002	Dry	1%	6%	16%	-65%	16%	13%	5%	4%	0%	8%	38%	-20%
2003	Above Norma	17%	53%	8%	-46%	1%	34%	-9%	4%	4%	3%	-5%	8%
Average		4%	4%	0%	7%	6%	2%	5%	2%	4%	4%	5%	5%
Wet		4%	3%	-3%	3%	5%	5%	7%	3%	4%	5%	5%	5%
Above Norma		10%	3%	-2%	-5%	-2%	-1%	8%	-1%	4%	3%	4%	4%
Below Norma		3%	1%	1%	2%	5%	2%	4%	0%	-1%	4%	7%	4%
Dry		4%	7%	3%	1%	4%	2%	5%	4%	8%	7%	9%	2%
Critical		0%	4%	2%	44%	18%	0%	1%	1%	3%	-1%	-3%	10%

Difference in Energy generated (GWh) at Spring Creek: CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	5	0	0	0	16	0	15	3
1923	Below Norma	0	7	3	5	0	2	0	0	8	-9	0	-23	-1
1924	Critical	0	0	-4	-24	-19	-3	13	0	0	0	0	-30	-6
1925	Dry	5	0	0	0	0	0	-3	0	23	0	0	0	2
1926	Dry	0	0	0	0	0	0	0	0	5	0	-4	0	0
1927	Wet	0	0	0	3	0	0	0	0	0	0	16	15	3
1928	Above Norma	0	0	4	5	0	0	0	0	0	16	0	-30	0
1929	Critical	0	0	0	-41	4	5	0	2	1	0	0	0	-2
1930	Dry	0	0	9	0	0	0	0	0	0	0	0	0	1
1931	Critical	0	0	0	0	0	-2	0	0	0	0	0	0	0
1932	Dry	0	3	0	0	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	-4	-3	-3	-3	-3	0	0	0	-1	-1
1935	Below Norma	-7	0	0	5	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	8	8	0	1
1937	Below Norma	0	0	0	0	0	0	-6	0	0	0	8	8	1
1938	Wet	-2	-1	0	0	0	0	0	0	0	0	0	-22	-2
1939	Dry	0	0	0	0	0	-42	0	-11	-48	100	0	5	0
1940	Above Norma	-10	-20	0	0	0	0	0	0	0	0	0	30	0
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	-10	0	0	10	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	3	0	0	0	0	0	0	0	0	-36	3	0	-3
1945	Below Norma	8	0	0	0	-3	0	0	0	17	0	0	0	2
1946	Below Norma	15	0	0	0	0	0	0	0	0	16	0	-15	1
1947	Dry	0	0	0	3	4	5	0	0	8	16	-13	-15	1
1948	Below Norma	0	0	0	0	0	0	0	0	1	0	0	0	0
1949	Dry	20	0	0	0	0	-8	0	0	18	0	0	-15	1
1950	Below Norma	0	0	0	0	0	2	0	0	-2	0	0	0	0
1951	Above Norma	-23	0	0	0	0	-2	-30	0	0	0	0	0	-5
1952	Wet	15	-15	0	0	0	15	0	0	0	1	0	0	1
1953	Wet	0	0	0	0	0	0	-16	0	0	16	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	-3	-15	0	0	0	0	0	0	0	0	16	0	0
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	-14	3	-1	-1
1960	Dry	-1	-15	0	-4	4	0	0	0	0	16	0	0	0
1961	Dry	0	0	0	7	0	0	0	0	0	0	-39	0	-3
1962	Below Norma	0	12	5	5	0	0	0	0	0	0	0	0	2
1963	Wet	-7	0	0	0	0	0	0	0	0	0	0	-6	-1
1964	Dry	0	32	0	-4	-36	2	-7	0	0	0	20	0	1
1965	Wet	8	0	0	0	0	0	0	0	38	0	-23	-40	-1
1966	Below Norma	0	1	20	4	0	0	0	0	0	0	-17	0	1
1967	Wet	0	-15	31	0	0	0	0	0	0	0	0	0	1
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	-8	0	0	0	0	8	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	61	-23	0	3
1971	Wet	0	-15	0	0	-10	22	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	0	0	43	0	-23	0	2
1973	Above Norma	-22	-15	0	0	0	0	0	0	0	0	0	0	-3
1974	Wet	0	0	0	0	0	0	0	0	0	0	1	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	2	0	0
1976	Critical	0	0	0	-82	0	0	0	0	-11	0	8	0	-7
1977	Critical	14	18	57	1	40	0	-26	0	0	56	32	-4	16
1978	Above Norma	-54	0	0	0	0	0	0	0	0	0	0	0	-5
1979	Below Norma	0	0	0	0	0	-3	0	-3	0	0	0	-15	-2
1980	Above Norma	0	0	3	0	0	0	-25	0	0	0	0	-39	-5
1981	Dry	-23	15	5	0	-3	0	0	0	23	-17	-26	30	0
1982	Wet	0	0	0	4	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	-54	-5
1985	Dry	0	2	26	-41	0	16	0	-1	-33	0	0	14	-1
1986	Wet	15	11	0	0	0	0	-38	0	19	0	0	30	3
1987	Dry	-23	7	4	5	4	-3	0	0	0	0	-18	-8	-3
1988	Critical	6	-1	0	5	7	0	-4	0	8	0	0	0	2
1989	Dry	0	0	0	0	0	0	0	0	0	16	0	0	1
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	1	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	3	0	0	0	0
1993	Above Norma	0	0	0	0	0	0	0	0	0	0	5	0	0
1994	Critical	0	0	0	-30	0	0	0	-16	-24	22	22	35	1
1995	Wet	0	0	0	0	0	0	-13	0	0	0	0	0	-1
1996	Wet	0	-11	11	0	0	0	-10	0	0	0	0	0	-1
1997	Wet	0	9	0	0	0	0	-35	0	0	0	0	0	-2
1998	Wet	0	12	-7	0	0	0	-12	0	0	1	0	0	-1
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	-37	0	0	0	-3
2002	Dry	8	0	-8	0	0	0	0	0	15	0	0	0	1
2003	Above Norma	-3	1	-3	0	0	0	0	0	0	0	0	0	0
Average		-1	0	2	-2	0	0	-3	0	1	4	-1	-2	0
Wet		1	-1	1	0	0	1	-5	0	2	3	-1	-3	0
Above Norma		-9	-3	0	0	0	0	-5	0	0	3	0	-2	-1
Below Norma		1	1	2	1	0	0	0	0	5	1	-3	-3	0
Dry		-1	2	2	-2	-1	-2	-1	-1	-2	4	-3	1	0
Critical		2	1	4	-15	2	0	-2	-1	-2	7	5	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy generated (GWh) at Spring Creek: CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norm	0%	0%	0%	0%	0%	394%	-	0%	0%	36%	0%	26%
1923	Below Norm	0%	94%	-	138%	0%	49%	-	0%	43%	-11%	0%	-45%
1924	Critical	0%	0%	-100%	-60%	-59%	-94%	2279%	-100%	0%	0%	0%	-79%
1925	Dry	95%	-1%	0%	0%	0%	0%	-6%	0%	381%	0%	0%	0%
1926	Dry	0%	0%	0%	0%	0%	0%	0%	0%	162%	0%	-8%	0%
1927	Wet	0%	0%	0%	15%	0%	0%	0%	0%	0%	0%	35%	26%
1928	Above Norm	0%	0%	-	63%	0%	0%	-	0%	0%	36%	0%	-41%
1929	Critical	0%	0%	0%	-68%	256%	402%	0%	39%	3%	0%	0%	0%
1930	Dry	0%	0%	38%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1931	Critical	0%	0%	-	0%	0%	-41%	-100%	-	0%	0%	0%	0%
1932	Dry	2%	26%	-	0%	0%	-	0%	0%	0%	0%	-1%	-2%
1933	Critical	0%	0%	-	0%	0%	-	0%	0%	0%	0%	0%	0%
1934	Critical	0%	0%	0%	-41%	-31%	-60%	-54%	-100%	0%	0%	0%	-2%
1935	Below Norm	-20%	-	0%	19%	-	-	0%	0%	0%	0%	0%	0%
1936	Below Norm	0%	0%	-	0%	0%	0%	-	0%	0%	27%	28%	0%
1937	Below Norm	0%	0%	-	-	-	-	-43%	0%	0%	0%	28%	37%
1938	Wet	-12%	-9%	0%	0%	0%	0%	0%	0%	50%	-	0%	-31%
1939	Dry	0%	0%	0%	0%	0%	-95%	0%	-45%	-60%	-	0%	7%
1940	Above Norm	-10%	-41%	0%	0%	0%	0%	0%	0%	0%	0%	0%	70%
1941	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1942	Wet	0%	0%	0%	0%	0%	0%	-50%	0%	40%	19%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	-	-	-	0%	0%	0%
1944	Dry	13%	0%	-	0%	0%	0%	-	0%	0%	-37%	3%	0%
1945	Below Norm	29%	0%	0%	0%	-12%	0%	0%	-	-	0%	0%	0%
1946	Below Norm	122%	0%	0%	0%	0%	0%	-	-	0%	36%	0%	-26%
1947	Dry	0%	0%	0%	420717033%	82%	70%	-7%	0%	34%	30%	0%	-35%
1948	Below Norm	0%	0%	-	0%	0%	0%	0%	0%	54%	0%	0%	-100%
1949	Dry	314%	0%	-	-	0%	-15%	0%	-100%	229366676%	0%	0%	-26%
1950	Below Norm	0%	0%	0%	0%	0%	44%	0%	0%	-8%	0%	0%	0%
1951	Above Norm	-65%	0%	0%	0%	0%	-28%	-100%	0%	-	0%	0%	0%
1952	Wet	57%	-72%	0%	0%	0%	45%	0%	0%	0%	8%	-80%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	-83%	0%	0%	42%	0%	0%
1954	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1955	Dry	-10%	-73%	0%	0%	0%	-	-	0%	0%	0%	26%	0%
1956	Wet	0%	0%	0%	0%	0%	0%	0%	0%	-	0%	0%	0%
1957	Above Norm	0%	0%	-	0%	0%	0%	-100%	0%	-	0%	0%	0%
1958	Wet	0%	0%	0%	0%	0%	0%	0%	0%	508%	0%	5%	0%
1959	Below Norm	0%	0%	-	0%	0%	0%	0%	0%	0%	0%	-14%	4%
1960	Dry	-4%	-50%	0%	-35%	20%	0%	-	0%	0%	0%	30%	0%
1961	Dry	0%	0%	0%	267%	0%	0%	-	-	0%	0%	-38%	0%
1962	Below Norm	0%	186%	79%	342%	0%	0%	0%	-50%	0%	0%	0%	0%
1963	Wet	-42%	0%	0%	0%	0%	0%	0%	0%	-	0%	0%	-17%
1964	Dry	0%	327%	0%	-12%	-81%	-	-100%	0%	0%	0%	26%	0%
1965	Wet	30%	0%	0%	0%	0%	-50%	0%	0%	-	0%	-28%	-100%
1966	Below Norm	0%	3%	423%	14%	0%	0%	0%	35%	-	0%	-17%	0%
1967	Wet	0%	-51%	113%	0%	0%	1%	0%	0%	0%	0%	-	0%
1968	Below Norm	0%	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%
1969	Wet	0%	0%	-45%	0%	0%	0%	0%	45%	0%	0%	0%	0%
1970	Wet	0%	0%	1%	0%	0%	0%	-	-	0%	1775%	-23%	0%
1971	Wet	0%	-48%	0%	0%	-42%	73%	0%	0%	0%	0%	0%	0%
1972	Below Norm	0%	0%	0%	0%	0%	0%	-	0%	290279100%	0%	-27%	0%
1973	Above Norm	-47%	-46%	0%	0%	0%	0%	0%	0%	-100%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	4%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	5%	0%
1976	Critical	0%	0%	0%	-99%	0%	-	-	0%	-23%	0%	11%	0%
1977	Critical	45%	105%	782%	10%	-	-33%	-100%	0%	0%	114%	30%	-10%
1978	Above Norm	-51%	-26%	2%	0%	0%	0%	0%	0%	-	0%	0%	0%
1979	Below Norm	0%	0%	0%	0%	0%	-20%	-	-56%	-	0%	0%	-25%
1980	Above Norm	0%	0%	111%	0%	0%	0%	-96%	0%	0%	0%	0%	-63%
1981	Dry	-86%	61%	86%	0%	-15%	0%	-	0%	106%	-17%	-25%	66%
1982	Wet	0%	0%	0%	12%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	-	-	0%	0%	0%	-95%
1985	Dry	0%	11%	349%	-92%	0%	-	0%	-19%	-51%	0%	0%	27%
1986	Wet	43%	157%	0%	0%	0%	0%	-71%	250%	105%	0%	0%	66%
1987	Dry	-83%	76%	-	546%	59%	-20%	-	0%	1%	0%	-18%	-15%
1988	Critical	22%	-7%	0%	27%	661%	0%	-100%	0%	18%	0%	0%	0%
1989	Dry	0%	0%	0%	0%	0%	0%	0%	11%	0%	28%	0%	0%
1990	Critical	0%	0%	-	0%	0%	-	-	0%	0%	0%	0%	0%
1991	Critical	0%	0%	-	-	-	0%	-	0%	0%	0%	0%	0%
1992	Critical	0%	0%	-	0%	0%	0%	0%	0%	43%	0%	0%	-1%
1993	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	19%	-
1994	Critical	0%	0%	0%	-83%	0%	-	-	-83%	-36%	28%	28%	56%
1995	Wet	0%	0%	0%	0%	0%	0%	-37%	0%	0%	0%	0%	0%
1996	Wet	0%	-76%	23%	0%	0%	0%	-100%	0%	-	0%	0%	-100%
1997	Wet	0%	54%	0%	0%	0%	0%	-96%	-100%	0%	0%	0%	0%
1998	Wet	0%	82%	-63%	0%	0%	0%	-21%	0%	0%	1%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2001	Dry	-1%	-	0%	0%	0%	0%	-100%	0%	-52%	0%	0%	0%
2002	Dry	27%	0%	-24%	0%	0%	0%	-	0%	82%	0%	0%	0%
2003	Above Norm	-9%	6%	-7%	0%	0%	0%	0%	0%	-	0%	0%	0%
Average		4%	9%	27%	5393820%	11%	9%	15%	-4%	7423530%	26%	0%	-5%
Wet		3%	1%	1%	1%	-2%	3%	-18%	7%	27%	71%	-3%	-10%
Above Norm		-15%	-9%	9%	5%	0%	31%	-25%	0%	-8%	6%	2%	-1%
Below Norm		9%	20%	36%	37%	-1%	5%	-3%	-5%	20734228%	4%	0%	-11%
Dry		15%	21%	25%	23373206%	4%	-3%	-12%	-8%	12742627%	0%	-1%	1%
Critical		6%	8%	57%	-26%	69%	14%	160%	-20%	0%	12%	6%	-3%

Difference in Energy generated (GWh) at Syst. Tot.: CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	9	0	0	0	31	0	29	6
1923	Below Norma	0	15	7	9	1	4	0	-22	-5	-58	-9	-62	-10
1924	Critical	-2	-9	-7	-52	-63	-3	31	11	10	12	15	-16	-6
1925	Dry	18	1	3	9	0	-8	0	6	53	10	6	-8	8
1926	Dry	3	2	2	1	-1	4	-5	9	20	6	1	12	5
1927	Wet	11	-2	-2	17	-32	0	0	5	0	113	50	60	18
1928	Above Norma	-3	-37	8	-22	4	-161	38	20	33	62	29	-78	-9
1929	Critical	0	5	5	-79	9	10	2	6	10	7	2	1	-2
1930	Dry	0	0	18	1	4	4	1	-2	0	-1	9	-6	2
1931	Critical	1	1	1	7	-2	-3	2	3	16	-1	0	1	2
1932	Dry	0	7	0	0	0	0	0	-1	0	-1	-1	0	0
1933	Critical	0	0	2	0	0	0	0	0	0	0	0	9	1
1934	Critical	1	2	0	-2	-2	-4	-7	-5	-2	-3	-2	-6	-2
1935	Below Norma	-16	0	0	10	0	0	-9	0	0	0	0	0	-1
1936	Below Norma	0	0	0	0	1	5	-5	0	-1	13	13	2	2
1937	Below Norma	0	0	2	-3	-2	0	3	0	-2	-2	14	14	2
1938	Wet	0	-39	-152	0	1	0	0	-1	0	0	0	-69	-22
1939	Dry	0	0	0	2	2	-81	17	-15	-22	233	38	17	16
1940	Above Norma	-23	-37	1	8	5	0	0	11	8	10	9	63	5
1941	Wet	17	7	0	7	0	-3	0	-1	0	-2	5	-1	2
1942	Wet	0	0	0	0	0	2	-18	-10	0	25	5	-1	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	6	0	1	3	4	4	9	11	33	-11	27	-24	5
1945	Below Norma	15	4	4	2	-4	1	2	5	35	11	4	17	8
1946	Below Norma	35	-15	-23	0	14	15	7	8	8	100	-15	-22	9
1947	Dry	26	12	2	7	12	13	3	4	-1	56	-13	-32	7
1948	Below Norma	18	3	3	-11	-2	1	7	-46	-94	5	6	12	-8
1949	Dry	30	0	1	3	28	-3	0	2	46	6	0	-21	8
1950	Below Norma	3	4	4	15	5	6	2	-10	4	4	25	-6	5
1951	Above Norma	0	-124	-47	0	-2	-3	-57	-12	-8	10	0	-6	-21
1952	Wet	43	-20	-28	0	7	45	0	-1	0	1	-1	-1	4
1953	Wet	-1	0	0	0	1	2	-30	-16	0	34	13	-1	0
1954	Above Norma	0	0	0	0	0	0	0	8	-2	6	10	3	2
1955	Dry	20	-26	-1	2	19	-30	14	18	24	54	51	-2	12
1956	Wet	2	2	10	1	0	0	0	0	0	0	-2	-1	1
1957	Above Norma	0	0	1	2	3	0	5	3	0	17	11	0	3
1958	Wet	-23	0	0	0	0	0	0	-1	-1	-1	-1	-1	-2
1959	Below Norma	-1	0	1	1	0	6	7	7	27	-3	-18	9	3
1960	Dry	13	65	7	-6	10	2	5	13	3	29	22	-3	13
1961	Dry	2	6	6	16	-55	-61	1	20	9	16	-188	49	-15
1962	Below Norma	33	62	13	5	-28	1	6	5	15	18	69	-31	14
1963	Wet	10	-20	-50	2	2	23	17	1	3	-7	1	-11	-3
1964	Dry	0	98	0	-8	-70	7	-2	15	57	55	81	26	22
1965	Wet	15	3	-194	13	0	25	-16	11	94	28	-40	-75	-11
1966	Below Norma	-25	-46	44	28	0	0	0	1	4	3	0	-13	0
1967	Wet	-8	-20	42	11	0	0	0	0	-1	-1	-1	-1	2
1968	Below Norma	0	0	0	1	4	0	5	10	15	0	-11	10	3
1969	Wet	11	8	-21	-14	0	0	0	17	0	0	0	-3	0
1970	Wet	0	0	0	0	0	0	7	14	22	162	-33	4	15
1971	Wet	18	-27	-27	0	4	11	0	2	1	0	0	-2	-2
1972	Below Norma	0	0	0	0	0	0	4	4	104	27	-53	9	8
1973	Above Norma	-69	-25	-50	0	14	0	0	1	0	0	0	0	-11
1974	Wet	-5	0	0	0	0	0	0	-1	0	-1	1	-1	-1
1975	Wet	-1	0	0	2	2	0	1	1	0	0	2	-1	0
1976	Critical	0	0	0	-164	3	3	20	13	-4	15	29	11	-6
1977	Critical	54	80	191	6	279	-4	-66	-9	-20	75	-33	-5	46
1978	Above Norma	-113	-4	1	-1	-99	-121	0	-3	-1	-2	-1	-4	-29
1979	Below Norma	-1	0	2	2	37	-4	3	1	7	20	5	-30	3
1980	Above Norma	0	-21	6	-61	-18	0	-48	4	5	6	4	-75	-17
1981	Dry	-44	31	11	2	-4	-46	1	5	52	7	-13	3	0
1982	Wet	10	-28	39	13	0	0	0	-1	0	0	-2	-1	2
1983	Wet	0	0	0	0	0	0	0	-1	-1	-1	-1	-1	0
1984	Wet	0	0	0	0	0	0	5	3	7	5	4	-102	-7
1985	Dry	-55	-7	80	-81	3	77	10	11	8	14	4	33	8
1986	Wet	25	23	2	0	7	13	-76	28	78	30	14	77	19
1987	Dry	-31	31	11	10	9	-5	5	11	2	-20	-22	17	2
1988	Critical	-1	-1	1	10	24	3	-5	5	26	11	8	2	7
1989	Dry	0	1	23	-3	12	-26	38	3	-2	41	-6	6	7
1990	Critical	3	7	-2	-2	8	0	0	0	0	1	0	0	1
1991	Critical	0	0	0	5	4	0	0	0	0	0	0	0	1
1992	Critical	0	0	0	0	0	0	0	0	3	1	0	-1	0
1993	Above Norma	-2	0	0	8	0	0	-13	-212	-1	2	12	-1	-17
1994	Critical	-1	0	1	-59	2	4	5	-28	-17	42	66	74	7
1995	Wet	32	5	3	-48	0	0	-40	0	-1	-2	-2	-1	-5
1996	Wet	0	-21	22	0	0	0	-19	-9	-3	0	0	-2	-3
1997	Wet	0	28	0	0	0	2	-63	7	10	19	9	6	1
1998	Wet	4	28	-10	22	0	6	-24	-12	0	1	-1	-1	1
1999	Wet	0	0	0	0	0	0	0	-1	0	0	0	-3	0
2000	Above Norma	-1	0	0	0	0	0	0	-1	2	20	-2	-1	1
2001	Dry	-16	9	2	6	6	2	4	33	-42	36	33	0	6
2002	Dry	23	6	-10	-157	25	13	11	12	43	37	64	-40	2
2003	Above Norma	17	72	-3	-181	-11	40	-23	3	0	-1	-6	6	-7
Average		1	1	-1	-8	2	-3	-3	0	8	17	4	-2	1
Wet		6	-3	-14	1	0	5	-10	1	8	16	1	-5	0
Above Norma		-16	-15	-7	-21	-9	-20	-8	-15	3	14	6	-5	-8
Below Norma		4	2	4	4	2	2	2	-3	8	10	2	-6	3
Dry		0	13	9	-11	0	-8	6	9	16	31	5	1	6
Critical		5	7	16	-27	22	1	-2	0	2	13	7	6	4

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy generated (GWh) at Syst. Tot.: CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	0%	0%	4%	0%	0%	0%	5%	0%	7%
1923	Below Norma	0%	7%	3%	5%	0%	2%	0%	-4%	-1%	-8%	-2%	-18%
1924	Critical	-1%	-4%	-4%	-23%	-32%	-1%	11%	4%	3%	4%	4%	-8%
1925	Dry	19%	1%	2%	3%	0%	-3%	0%	2%	10%	2%	1%	-3%
1926	Dry	1%	1%	1%	1%	-1%	2%	-2%	2%	4%	1%	0%	5%
1927	Wet	6%	-1%	-1%	9%	-5%	0%	0%	1%	0%	15%	9%	16%
1928	Above Norma	-1%	-15%	4%	-11%	2%	-25%	14%	3%	6%	9%	5%	-19%
1929	Critical	0%	3%	3%	-31%	7%	7%	1%	2%	2%	1%	0%	0%
1930	Dry	0%	0%	12%	0%	2%	2%	0%	-1%	0%	0%	2%	-2%
1931	Critical	0%	1%	1%	6%	-2%	-2%	0%	1%	5%	0%	0%	1%
1932	Dry	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1933	Critical	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%	5%
1934	Critical	1%	2%	-1%	-2%	-2%	-2%	-1%	-1%	-1%	-1%	-1%	-3%
1935	Below Norma	-10%	0%	0%	8%	0%	0%	-4%	0%	0%	0%	0%	0%
1936	Below Norma	0%	0%	0%	0%	0%	2%	-2%	0%	0%	2%	3%	1%
1937	Below Norma	0%	0%	1%	-2%	-1%	0%	1%	0%	0%	0%	3%	5%
1938	Wet	0%	-17%	-23%	0%	0%	0%	0%	0%	0%	0%	0%	-11%
1939	Dry	0%	0%	0%	1%	2%	-30%	4%	-3%	-3%	43%	6%	4%
1940	Above Norma	-6%	-14%	1%	5%	1%	0%	0%	2%	1%	1%	2%	17%
1941	Wet	6%	3%	0%	1%	0%	0%	0%	0%	0%	0%	1%	0%
1942	Wet	0%	0%	0%	0%	0%	1%	-5%	-2%	0%	4%	1%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1944	Dry	2%	0%	1%	2%	2%	2%	3%	3%	6%	-2%	4%	-7%
1945	Below Norma	6%	2%	2%	-1%	1%	1%	1%	1%	6%	2%	1%	5%
1946	Below Norma	15%	-6%	-3%	0%	6%	7%	2%	2%	1%	15%	-3%	-6%
1947	Dry	8%	5%	1%	4%	7%	6%	1%	1%	0%	9%	-2%	-9%
1948	Below Norma	10%	2%	2%	-8%	-1%	1%	3%	-11%	-18%	1%	1%	4%
1949	Dry	12%	0%	1%	2%	9%	-2%	0%	0%	9%	1%	0%	-6%
1950	Below Norma	1%	2%	2%	8%	2%	3%	1%	-2%	1%	1%	5%	-2%
1951	Above Norma	0%	-31%	-7%	0%	0%	-1%	-13%	-2%	-1%	1%	0%	-2%
1952	Wet	16%	-9%	-5%	0%	1%	8%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	1%	1%	-9%	-3%	0%	5%	2%	0%
1954	Above Norma	0%	0%	0%	0%	0%	0%	0%	1%	0%	1%	2%	1%
1955	Dry	7%	-13%	0%	1%	9%	-15%	5%	5%	5%	9%	10%	-1%
1956	Wet	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norma	0%	0%	0%	1%	1%	0%	1%	1%	0%	2%	2%	0%
1958	Wet	-7%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	0%	0%	0%	2%	2%	1%	4%	0%	-3%	3%
1960	Dry	5%	25%	4%	-5%	8%	1%	2%	4%	1%	5%	4%	-1%
1961	Dry	1%	4%	3%	12%	-33%	-27%	0%	5%	2%	2%	-24%	18%
1962	Below Norma	14%	36%	8%	3%	-14%	0%	2%	1%	3%	2%	13%	-9%
1963	Wet	5%	-8%	-15%	1%	0%	6%	2%	0%	1%	-1%	0%	-4%
1964	Dry	0%	29%	0%	-3%	-27%	3%	0%	3%	12%	8%	15%	8%
1965	Wet	7%	1%	-31%	2%	0%	11%	-4%	2%	16%	4%	4%	-21%
1966	Below Norma	-10%	-14%	22%	11%	0%	0%	0%	0%	1%	0%	0%	-3%
1967	Wet	-2%	-12%	14%	2%	0%	0%	0%	0%	0%	0%	0%	0%
1968	Below Norma	0%	0%	0%	1%	1%	0%	1%	2%	2%	0%	-2%	3%
1969	Wet	5%	4%	-11%	-2%	0%	0%	0%	2%	0%	0%	0%	-1%
1970	Wet	0%	0%	0%	0%	0%	0%	2%	3%	3%	25%	-5%	1%
1971	Wet	6%	-13%	-6%	0%	1%	2%	0%	0%	0%	0%	0%	0%
1972	Below Norma	0%	0%	0%	0%	0%	0%	1%	1%	18%	4%	-8%	3%
1973	Above Norma	-23%	-12%	-19%	0%	2%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	-2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	1%	1%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	-50%	1%	1%	8%	3%	-1%	2%	7%	4%
1977	Critical	20%	40%	105%	4%	206%	-3%	-17%	-4%	-4%	15%	-7%	-3%
1978	Above Norma	-33%	-4%	1%	-1%	-32%	-22%	0%	-1%	0%	0%	0%	-2%
1979	Below Norma	0%	0%	1%	1%	23%	-2%	1%	0%	1%	3%	1%	-9%
1980	Above Norma	0%	-10%	3%	-9%	0%	0%	-15%	1%	1%	1%	1%	-19%
1981	Dry	-15%	13%	5%	1%	-2%	-19%	0%	1%	8%	1%	-2%	1%
1982	Wet	5%	-10%	5%	3%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	1%	1%	1%	1%	1%	-30%
1985	Dry	-22%	-2%	34%	-29%	2%	49%	3%	2%	1%	2%	1%	9%
1986	Wet	9%	14%	2%	0%	1%	2%	-20%	6%	13%	4%	3%	24%
1987	Dry	-13%	14%	5%	7%	7%	-4%	1%	2%	0%	-3%	-4%	5%
1988	Critical	0%	-1%	1%	8%	14%	1%	-2%	1%	5%	2%	2%	1%
1989	Dry	0%	1%	19%	-2%	10%	-10%	15%	1%	0%	7%	-1%	2%
1990	Critical	2%	3%	-1%	-1%	6%	0%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	0%	5%	4%	0%	0%	0%	0%	0%	0%	0%
1992	Critical	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%
1993	Above Norma	-1%	0%	0%	6%	0%	0%	-5%	-34%	0%	0%	3%	0%
1994	Critical	0%	0%	0%	-27%	2%	2%	2%	-7%	-3%	6%	12%	21%
1995	Wet	17%	3%	3%	-9%	0%	0%	-8%	0%	0%	0%	0%	0%
1996	Wet	0%	-8%	6%	0%	0%	0%	-6%	-1%	0%	0%	0%	-1%
1997	Wet	0%	9%	0%	0%	0%	1%	-13%	1%	2%	3%	2%	2%
1998	Wet	2%	15%	-5%	3%	0%	1%	-6%	-1%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%
2000	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	3%	0%	0%
2001	Dry	-5%	3%	1%	4%	4%	1%	2%	6%	-6%	5%	7%	0%
2002	Dry	7%	3%	-6%	-49%	8%	4%	3%	2%	7%	5%	13%	-11%
2003	Above Norma	5%	33%	-2%	-37%	-5%	27%	-6%	0%	0%	0%	-1%	2%
Average		1%	1%	2%	-2%	2%	0%	-1%	0%	1%	3%	1%	0%
Wet		3%	-1%	-3%	0%	0%	1%	-3%	0%	1%	2%	0%	-1%
Above Norma		-5%	-4%	-2%	-4%	-3%	-1%	-2%	-2%	1%	2%	1%	-1%
Below Norma		2%	2%	3%	2%	1%	1%	-1%	1%	2%	1%	2%	-2%
Dry		0%	5%	5%	-3%	0%	-2%	2%	2%	3%	5%	2%	1%
Critical		2%	4%	9%	-9%	17%	0%	0%	0%	1%	2%	1%	1%

Difference in Energy generated (GWh) at Tot. Loss: CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	1	0	1	0
1923	Below Norma	0	1	0	0	0	0	0	-1	0	-2	0	-3	0
1924	Critical	0	0	0	-2	-2	0	1	0	1	1	1	-1	0
1925	Dry	1	0	0	0	0	0	0	0	2	1	0	0	0
1926	Dry	0	0	0	0	0	0	0	1	1	0	0	1	0
1927	Wet	0	0	0	1	-1	0	0	0	0	6	2	3	1
1928	Above Norma	0	-2	0	-1	0	-7	2	1	1	3	1	-4	0
1929	Critical	0	0	0	-4	0	0	0	0	1	0	0	0	0
1930	Dry	0	0	1	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	1	0	0	0	0
1932	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1935	Below Norma	-1	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	1	1	0	0
1937	Below Norma	0	0	0	0	0	0	0	0	0	0	1	1	0
1938	Wet	0	-2	-7	0	0	0	0	0	0	0	0	-3	-1
1939	Dry	0	0	0	0	0	-4	1	-1	-1	10	2	1	1
1940	Above Norma	-1	-2	0	0	0	0	0	1	0	1	0	3	0
1941	Wet	1	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	-1	0	0	1	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	2	0	1	-1	0
1945	Below Norma	1	0	0	0	0	0	0	0	2	0	0	1	0
1946	Below Norma	2	-1	-1	0	1	1	0	0	0	5	-1	-1	0
1947	Dry	1	1	0	0	1	1	0	0	0	3	0	-1	0
1948	Below Norma	1	0	0	0	0	0	0	-2	-4	0	0	1	0
1949	Dry	1	0	0	0	1	0	0	0	2	0	0	-1	0
1950	Below Norma	0	0	0	1	0	0	0	0	0	0	1	0	0
1951	Above Norma	0	-6	-2	0	0	0	-3	0	0	0	0	0	-1
1952	Wet	2	-1	-1	0	0	2	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	-1	-1	0	2	1	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	1	-1	0	0	1	-1	1	1	1	3	3	0	1
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	1	0	0
1958	Wet	-1	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	1	0	-1	0	0
1960	Dry	1	3	0	0	0	0	0	0	0	1	1	0	1
1961	Dry	0	0	0	1	-2	-3	0	1	0	1	-8	2	-1
1962	Below Norma	2	3	1	0	-1	0	0	0	0	0	3	-1	1
1963	Wet	0	-1	-2	0	0	1	1	0	0	0	0	0	0
1964	Dry	0	4	0	0	-3	0	0	0	2	3	4	1	1
1965	Wet	1	0	-9	1	0	1	-1	0	4	1	-2	-3	-1
1966	Below Norma	-1	-2	2	1	0	0	0	0	0	0	0	-1	0
1967	Wet	0	-1	2	0	0	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	1	0	0	0	0
1969	Wet	0	0	-1	-1	0	0	0	1	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	1	1	7	-1	0	1
1971	Wet	1	-1	-1	0	0	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	0	0	5	1	-2	0	0
1973	Above Norma	-3	-1	-2	0	1	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	-7	0	0	1	1	0	1	1	1	0
1977	Critical	2	4	9	0	13	0	-3	0	-1	3	-2	0	2
1978	Above Norma	-5	0	0	0	-4	-5	0	0	0	0	0	0	-1
1979	Below Norma	0	0	0	0	2	0	0	0	0	1	0	-1	0
1980	Above Norma	0	-1	0	-3	-1	0	-2	0	0	0	0	-3	-1
1981	Dry	-2	1	0	0	0	-2	0	0	2	0	-1	0	0
1982	Wet	0	-1	2	1	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	-5	0
1985	Dry	-2	0	4	-4	0	3	0	0	0	1	0	1	0
1986	Wet	1	1	0	0	0	1	-3	1	3	2	0	3	1
1987	Dry	-1	1	0	0	0	0	0	1	0	-1	-1	1	0
1988	Critical	0	0	0	0	1	0	0	0	1	1	0	0	0
1989	Dry	0	0	1	0	1	-1	2	0	0	2	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	Above Norma	0	0	0	0	0	0	-1	-10	0	0	1	0	-1
1994	Critical	0	0	0	-3	0	0	0	-1	-1	2	3	3	0
1995	Wet	2	0	0	-2	0	0	-2	0	0	0	0	0	0
1996	Wet	0	-1	1	0	0	0	-1	0	0	0	0	0	0
1997	Wet	0	1	0	0	0	0	-3	0	0	1	0	0	0
1998	Wet	0	1	0	1	0	0	-1	-1	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	-1	0	0	0	0	0	1	-2	2	2	2	0	0
2002	Dry	1	0	0	-7	1	1	1	1	2	2	3	-2	0
2003	Above Norma	1	3	0	-8	-1	2	-1	0	-1	0	0	0	0
Average		0	0	0	0	0	0	0	0	0	1	0	0	0
Wet		0	0	-1	0	0	0	0	0	0	1	0	0	0
Above Norma		-1	-1	0	-1	0	-1	0	-1	0	1	0	0	0
Below Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Dry		0	1	0	0	0	0	0	0	1	1	0	0	0
Critical		0	0	1	-1	1	0	0	0	0	1	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy generated (GWh) at Tot. Loss: CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	0%	0%	4%	0%	0%	0%	5%	0%	8%
1923	Below Norma	0%	7%	3%	5%	0%	2%	0%	-4%	-1%	-8%	-2%	-19%
1924	Critical	-1%	-5%	-5%	-24%	-29%	-2%	13%	3%	4%	4%	4%	-7%
1925	Dry	21%	2%	3%	3%	0%	-3%	0%	1%	13%	2%	2%	-3%
1926	Dry	1%	1%	1%	1%	-1%	2%	-3%	5%	5%	1%	0%	11%
1927	Wet	7%	-2%	-2%	9%	-5%	0%	0%	0%	0%	19%	10%	17%
1928	Above Norma	-1%	-16%	4%	-11%	2%	-26%	17%	3%	6%	12%	5%	-21%
1929	Critical	0%	3%	3%	-32%	8%	8%	1%	2%	4%	2%	1%	0%
1930	Dry	0%	0%	13%	0%	3%	2%	0%	-1%	0%	2%	-1%	-3%
1931	Critical	0%	1%	1%	6%	0%	-3%	0%	1%	4%	-1%	-1%	1%
1932	Dry	0%	7%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1933	Critical	0%	0%	2%	0%	0%	0%	0%	0%	0%	0%	0%	5%
1934	Critical	1%	2%	-1%	-2%	-2%	-3%	-2%	0%	-1%	-1%	-1%	-3%
1935	Below Norma	-12%	0%	0%	8%	0%	0%	-4%	0%	0%	0%	0%	0%
1936	Below Norma	0%	0%	0%	0%	0%	2%	-2%	0%	0%	2%	3%	1%
1937	Below Norma	0%	0%	1%	-3%	-1%	0%	1%	0%	0%	0%	3%	5%
1938	Wet	0%	-18%	-24%	0%	0%	0%	0%	0%	0%	0%	0%	-12%
1939	Dry	0%	0%	0%	1%	2%	-31%	4%	-3%	-4%	48%	7%	5%
1940	Above Norma	-6%	-14%	1%	5%	1%	0%	0%	3%	2%	2%	2%	19%
1941	Wet	6%	3%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1942	Wet	0%	0%	0%	0%	0%	1%	-6%	-2%	0%	4%	1%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1944	Dry	2%	0%	1%	2%	2%	2%	2%	3%	9%	-1%	6%	-7%
1945	Below Norma	6%	2%	2%	1%	-1%	1%	1%	8%	2%	1%	2%	5%
1946	Below Norma	15%	-6%	-3%	0%	6%	7%	2%	2%	1%	18%	-3%	-7%
1947	Dry	9%	6%	1%	5%	1%	7%	1%	1%	-1%	11%	-2%	-10%
1948	Below Norma	11%	2%	2%	-8%	-1%	1%	3%	-14%	-21%	1%	2%	4%
1949	Dry	13%	0%	1%	2%	9%	-2%	0%	0%	10%	1%	0%	-7%
1950	Below Norma	1%	2%	2%	8%	2%	3%	1%	0%	0%	0%	5%	-2%
1951	Above Norma	0%	-32%	-8%	0%	0%	-1%	-15%	0%	-1%	1%	0%	-2%
1952	Wet	18%	-10%	-5%	0%	1%	9%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	1%	1%	-12%	-3%	0%	6%	2%	0%
1954	Above Norma	0%	0%	0%	0%	0%	0%	0%	1%	0%	1%	2%	1%
1955	Dry	8%	-13%	0%	1%	10%	-16%	5%	5%	6%	10%	15%	-1%
1956	Wet	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	-1%	0%
1957	Above Norma	0%	0%	0%	1%	1%	0%	1%	1%	0%	1%	2%	0%
1958	Wet	-8%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	0%	0%	0%	2%	2%	2%	4%	0%	-3%	3%
1960	Dry	5%	27%	5%	-5%	9%	1%	1%	2%	0%	4%	4%	-1%
1961	Dry	1%	4%	4%	13%	-34%	-34%	0%	5%	2%	3%	-25%	19%
1962	Below Norma	18%	38%	9%	3%	-14%	0%	2%	2%	2%	1%	14%	-10%
1963	Wet	5%	-9%	-15%	1%	0%	6%	2%	0%	0%	-1%	0%	-4%
1964	Dry	0%	30%	0%	-3%	-28%	4%	-1%	3%	9%	11%	18%	8%
1965	Wet	7%	1%	-31%	2%	0%	13%	-5%	2%	19%	4%	0%	-23%
1966	Below Norma	-11%	-14%	23%	11%	0%	0%	0%	0%	1%	0%	0%	-3%
1967	Wet	-2%	-12%	14%	2%	0%	0%	0%	0%	0%	0%	0%	0%
1968	Below Norma	0%	0%	0%	1%	1%	0%	2%	3%	2%	-1%	-1%	3%
1969	Wet	5%	4%	-12%	-2%	0%	0%	0%	3%	0%	0%	0%	-1%
1970	Wet	0%	0%	0%	0%	0%	0%	2%	3%	3%	25%	-5%	1%
1971	Wet	7%	-14%	-6%	0%	1%	2%	0%	0%	0%	0%	0%	0%
1972	Below Norma	0%	0%	0%	0%	0%	0%	2%	1%	22%	4%	-9%	3%
1973	Above Norma	-24%	-13%	-20%	0%	2%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	-2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	1%	1%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	-52%	1%	1%	9%	4%	0%	3%	7%	5%
1977	Critical	21%	42%	111%	4%	225%	-4%	-19%	-5%	-5%	14%	-11%	-3%
1978	Above Norma	-35%	-4%	1%	-1%	-33%	-22%	0%	-1%	0%	0%	0%	-2%
1979	Below Norma	0%	0%	1%	1%	23%	-2%	1%	0%	1%	3%	1%	-9%
1980	Above Norma	0%	-10%	3%	-9%	-2%	0%	-18%	1%	1%	1%	1%	-21%
1981	Dry	-17%	14%	6%	1%	-2%	-20%	0%	1%	9%	1%	-2%	1%
1982	Wet	6%	-10%	6%	3%	0%	0%	0%	0%	0%	0%	-1%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	2%	1%	1%	1%	1%	-32%
1985	Dry	-23%	-2%	36%	-30%	2%	54%	3%	2%	0%	2%	1%	10%
1986	Wet	9%	15%	2%	0%	1%	2%	-23%	7%	14%	7%	2%	26%
1987	Dry	-14%	15%	6%	7%	8%	-4%	2%	3%	1%	-3%	-3%	5%
1988	Critical	0%	-1%	1%	8%	14%	1%	-3%	1%	5%	2%	2%	1%
1989	Dry	0%	1%	21%	-2%	14%	-10%	19%	0%	-2%	6%	-2%	2%
1990	Critical	2%	3%	-1%	-1%	6%	0%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	0%	5%	5%	0%	0%	0%	0%	0%	0%	0%
1992	Critical	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%
1993	Above Norma	-1%	0%	0%	6%	0%	0%	-5%	-38%	0%	0%	3%	0%
1994	Critical	0%	0%	0%	-27%	2%	2%	2%	-8%	-5%	7%	13%	22%
1995	Wet	19%	4%	3%	-9%	0%	0%	-9%	0%	0%	0%	0%	0%
1996	Wet	0%	-9%	7%	0%	0%	0%	-7%	-1%	0%	0%	0%	-1%
1997	Wet	0%	9%	0%	0%	0%	1%	-16%	2%	2%	3%	2%	2%
1998	Wet	2%	16%	-6%	3%	0%	1%	-7%	-2%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%
2000	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%
2001	Dry	-5%	3%	1%	-4%	4%	2%	0%	7%	-6%	6%	8%	1%
2002	Dry	8%	3%	-6%	-50%	8%	5%	4%	3%	8%	6%	14%	-12%
2003	Above Norma	6%	34%	-2%	-37%	-5%	30%	-8%	0%	-3%	0%	-1%	2%
Average		1%	1%	2%	-2%	3%	0%	-1%	0%	2%	3%	1%	0%
Wet		3%	-1%	-3%	0%	0%	1%	-3%	0%	2%	3%	0%	-1%
Above Norma		-5%	-5%	-2%	-4%	-3%	-1%	-2%	-2%	0%	2%	1%	-1%
Below Norma		2%	2%	3%	2%	1%	1%	-1%	1%	2%	1%	2%	-2%
Dry		0%	5%	5%	-3%	1%	-2%	2%	2%	3%	6%	2%	1%
Critical		2%	4%	9%	-10%	19%	0%	0%	0%	1%	3%	1%	2%

Difference in Energy generated (GWh) at Trinity Dam : CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	3	0	0	0	11	-1	9	2
1923	Below Norma	0	5	2	3	0	1	0	-2	4	-8	-2	-14	-1
1924	Critical	0	0	0	-16	-11	-1	7	0	0	0	0	-10	-3
1925	Dry	0	0	0	4	0	0	0	2	14	0	0	0	2
1926	Dry	0	0	0	0	0	0	0	0	3	0	-2	0	0
1927	Wet	0	0	0	2	0	0	0	0	0	0	11	10	2
1928	Above Norma	0	0	3	3	0	0	0	-1	-1	10	-1	-21	-1
1929	Critical	0	0	0	-26	3	3	0	1	1	0	0	0	-1
1930	Dry	0	0	5	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	-1	0	0	0	0	0	0	0
1932	Dry	0	1	0	0	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	-1	0
1935	Below Norma	-3	0	0	2	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	2	-2	0	0	4	4	0	1
1937	Below Norma	0	0	0	-2	0	0	-2	0	0	0	4	4	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	-17	-2
1939	Dry	0	0	0	0	0	-32	0	-7	-33	73	0	3	0
1940	Above Norma	-6	-11	0	0	0	0	0	1	1	1	1	20	1
1941	Wet	0	0	0	0	0	-2	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	-8	0	0	8	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	2	0	0	0	0	0	0	0	0	-25	3	1	-2
1945	Below Norma	5	0	0	0	-2	0	0	1	12	0	0	0	2
1946	Below Norma	9	0	0	0	0	0	0	0	0	11	-1	-10	1
1947	Dry	0	0	0	2	3	3	0	-1	5	9	-9	-9	0
1948	Below Norma	0	0	0	0	0	0	0	-1	0	0	0	0	0
1949	Dry	13	0	0	0	0	-5	0	-1	12	-1	-1	-11	0
1950	Below Norma	0	0	0	0	0	1	0	-1	-1	-1	-1	-1	0
1951	Above Norma	-15	0	0	0	-2	-1	-23	0	1	1	1	1	-3
1952	Wet	11	-10	0	0	8	12	0	0	0	0	0	0	2
1953	Wet	0	0	0	0	0	0	-12	0	0	13	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	-2	-10	0	0	0	0	0	1	0	0	11	0	0
1956	Wet	0	0	0	1	0	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	-10	2	-1
1960	Dry	-1	-9	0	-2	3	0	0	1	1	1	10	0	0
1961	Dry	0	0	0	5	0	0	0	0	0	0	-24	1	-1
1962	Below Norma	1	8	3	3	0	0	0	1	1	1	1	1	1
1963	Wet	-4	0	0	0	0	0	0	1	1	1	1	-4	0
1964	Dry	0	24	0	-3	-27	2	-5	1	1	2	14	1	1
1965	Wet	5	0	0	13	0	0	0	0	29	-1	-18	-28	0
1966	Below Norma	0	1	15	3	0	0	0	0	0	0	-13	1	1
1967	Wet	0	-11	23	0	0	0	0	0	0	0	0	0	1
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	-5	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	44	-18	-1	2
1971	Wet	-1	-10	0	0	-8	-9	0	0	0	0	0	0	-2
1972	Below Norma	0	0	0	0	0	0	0	0	33	-1	-18	-1	1
1973	Above Norma	-15	-10	0	0	14	0	0	0	0	0	0	0	-1
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	-61	0	0	1	3	-6	4	8	2	-4
1977	Critical	10	12	36	0	23	0	-15	-1	0	25	-8	-1	7
1978	Above Norma	-15	0	0	0	0	0	0	-2	-2	-1	-1	0	-2
1979	Below Norma	0	0	0	0	0	-2	0	-3	0	-1	-1	-11	-2
1980	Above Norma	0	0	2	0	-18	0	-19	0	1	1	1	-27	-5
1981	Dry	-15	11	4	0	-2	0	0	2	18	-10	-15	22	1
1982	Wet	1	0	39	3	0	0	0	0	0	0	0	0	4
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	-38	-3
1985	Dry	0	2	20	-30	0	12	0	1	-23	3	4	11	0
1986	Wet	10	7	0	0	0	13	-29	1	16	1	1	21	4
1987	Dry	-15	5	3	3	3	-2	0	1	1	1	-10	-3	-1
1988	Critical	4	0	0	3	5	0	-2	1	6	1	1	1	2
1989	Dry	0	0	0	0	0	0	0	1	1	10	0	0	1
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	2	1	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	Above Norma	0	0	0	0	0	0	0	0	0	0	4	0	0
1994	Critical	0	0	0	-22	0	0	0	-10	-15	17	15	21	0
1995	Wet	0	0	0	0	0	0	-10	0	0	0	0	0	-1
1996	Wet	0	-8	8	0	0	0	-8	0	0	0	0	0	-1
1997	Wet	0	7	0	0	0	0	-27	1	1	1	1	1	-1
1998	Wet	1	8	-5	0	0	6	-9	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	-27	2	1	1	-2
2002	Dry	5	0	-5	0	0	0	0	1	12	1	1	1	1
2003	Above Norma	-2	1	-2	0	0	0	0	0	1	1	0	1	0
Average		0	0	2	-1	0	0	-2	0	1	3	-1	-1	0
Wet		1	-1	2	1	0	1	-4	0	2	3	-1	-2	0
Above Norma		-4	-2	0	0	-1	0	-4	0	0	2	0	-1	-1
Below Norma		1	1	1	1	0	0	0	0	3	0	-3	-2	0
Dry		-1	1	2	-1	-1	-1	0	0	-1	4	-1	1	0
Critical		1	1	3	-10	2	0	-1	0	-1	4	1	1	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy generated (GWh) at Trinity Dam : CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norm	0%	0%	0%	0%	0%	41%	0%	0%	0%	25%	-1%	19%
1923	Below Norm	-2%	43%	23%	35%	-3%	10%	-3%	-3%	13%	-12%	-3%	-36%
1924	Critical	-2%	-2%	-2%	-47%	-50%	-18%	45%	1%	1%	1%	2%	-52%
1925	Dry	7%	7%	6%	11%	5%	3%	3%	2%	30%	1%	1%	1%
1926	Dry	1%	1%	1%	1%	1%	1%	1%	1%	15%	0%	-5%	1%
1927	Wet	1%	1%	1%	47%	0%	0%	0%	0%	0%	0%	26%	19%
1928	Above Norm	-2%	-2%	36%	39%	-2%	-2%	-1%	-1%	-2%	17%	-3%	-35%
1929	Critical	-1%	-1%	-1%	-57%	42%	42%	1%	4%	2%	1%	1%	1%
1930	Dry	1%	1%	43%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1931	Critical	0%	0%	0%	0%	0%	-14%	0%	0%	0%	0%	0%	1%
1932	Dry	2%	18%	0%	0%	0%	0%	1%	0%	0%	0%	-1%	0%
1933	Critical	0%	0%	14%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1934	Critical	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%	-2%
1935	Below Norm	-36%	2%	1%	34%	0%	0%	0%	0%	0%	0%	0%	0%
1936	Below Norm	0%	0%	0%	0%	0%	43%	-14%	0%	0%	12%	16%	-2%
1937	Below Norm	-2%	-2%	-2%	-27%	-2%	-1%	-20%	-1%	-1%	-1%	16%	19%
1938	Wet	-2%	-2%	-2%	-1%	-1%	-1%	-1%	0%	0%	-1%	-1%	-26%
1939	Dry	0%	0%	0%	0%	0%	-80%	2%	-13%	-42%	684%	0%	5%
1940	Above Norm	-9%	-34%	3%	2%	2%	1%	1%	1%	1%	1%	1%	53%
1941	Wet	0%	0%	0%	0%	0%	-3%	0%	0%	0%	0%	0%	0%
1942	Wet	0%	0%	0%	0%	0%	0%	-52%	0%	0%	12%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1944	Dry	10%	0%	0%	0%	0%	0%	0%	0%	0%	-31%	5%	2%
1945	Below Norm	25%	2%	2%	2%	-33%	1%	1%	1%	26%	0%	1%	1%
1946	Below Norm	82%	-1%	-1%	0%	0%	0%	0%	0%	0%	19%	-1%	-21%
1947	Dry	0%	-1%	-1%	21%	40%	43%	-1%	-1%	15%	20%	-15%	-27%
1948	Below Norm	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	1%	-1%	-1%	-1%
1949	Dry	144%	-2%	-2%	-2%	-2%	-59%	-1%	-1%	25%	-2%	-2%	-22%
1950	Below Norm	-2%	-2%	-2%	-2%	-2%	13%	-2%	-2%	-2%	-2%	-2%	-2%
1951	Above Norm	-72%	-1%	0%	0%	-38%	-15%	-59%	0%	1%	1%	1%	1%
1952	Wet	46%	-65%	1%	1%	212%	64%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	-48%	0%	1%	23%	0%	0%
1954	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1955	Dry	-8%	-65%	1%	1%	1%	1%	1%	1%	1%	1%	21%	0%
1956	Wet	0%	0%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1958	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-12%	4%
1960	Dry	-2%	-38%	2%	-18%	51%	2%	2%	1%	2%	2%	24%	1%
1961	Dry	1%	1%	1%	92%	0%	0%	0%	0%	0%	0%	-32%	3%
1962	Below Norm	3%	112%	47%	44%	1%	1%	1%	1%	1%	1%	1%	2%
1963	Wet	-46%	2%	2%	2%	1%	1%	1%	1%	1%	1%	1%	-12%
1964	Dry	2%	435%	0%	-16%	-78%	18%	-24%	2%	2%	2%	24%	2%
1965	Wet	25%	1%	0%	41%	0%	0%	0%	0%	47%	-2%	-24%	-71%
1966	Below Norm	1%	16%	268%	22%	0%	0%	0%	0%	0%	0%	-14%	1%
1967	Wet	1%	-72%	280%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1968	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1969	Wet	0%	0%	-52%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	170%	-22%	-2%
1971	Wet	-2%	-74%	-1%	-1%	-58%	-22%	0%	0%	0%	0%	0%	0%
1972	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	65%	-2%	-25%	-1%
1973	Above Norm	-45%	-67%	1%	1%	324%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	-88%	4%	4%	4%	4%	-12%	5%	15%	6%
1977	Critical	47%	89%	286%	4%	349%	-4%	-46%	-2%	-2%	81%	-15%	-9%
1978	Above Norm	-47%	-17%	-12%	-4%	-3%	-3%	-2%	-2%	-2%	-2%	-3%	-3%
1979	Below Norm	-3%	-3%	-3%	-3%	-3%	-38%	-2%	-5%	-2%	-2%	-2%	-22%
1980	Above Norm	-1%	-1%	40%	-1%	-75%	0%	-68%	0%	1%	1%	1%	-52%
1981	Dry	-65%	179%	46%	4%	-26%	3%	3%	3%	53%	-12%	-19%	58%
1982	Wet	4%	4%	1193%	18%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-76%
1985	Dry	3%	31%	301%	-77%	3%	121%	2%	1%	-33%	4%	5%	28%
1986	Wet	44%	96%	4%	3%	2%	514%	-52%	1%	22%	2%	2%	54%
1987	Dry	-66%	49%	38%	40%	41%	-28%	1%	1%	1%	1%	-14%	-9%
1988	Critical	22%	-1%	3%	42%	87%	2%	-12%	2%	13%	2%	2%	2%
1989	Dry	2%	2%	2%	2%	2%	2%	1%	1%	1%	1%	1%	1%
1990	Critical	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%
1991	Critical	1%	1%	1%	34%	31%	0%	0%	0%	0%	0%	0%	0%
1992	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%
1993	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	13%	0%
1994	Critical	0%	0%	0%	-71%	1%	1%	1%	-22%	-24%	28%	26%	46%
1995	Wet	-1%	-1%	-1%	-1%	-1%	-49%	0%	0%	0%	0%	0%	0%
1996	Wet	0%	-55%	24%	0%	0%	0%	-34%	0%	0%	0%	0%	0%
1997	Wet	0%	44%	0%	0%	0%	0%	-57%	1%	2%	2%	2%	2%
1998	Wet	3%	110%	-44%	2%	6%	-30%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2001	Dry	-1%	0%	0%	0%	0%	0%	0%	0%	-37%	2%	2%	2%
2002	Dry	25%	2%	-46%	2%	2%	2%	2%	2%	19%	1%	1%	1%
2003	Above Norm	-6%	6%	-32%	1%	1%	1%	1%	0%	1%	1%	1%	1%
Average		1%	9%	30%	2%	10%	8%	-6%	0%	3%	13%	0%	-2%
Wet		3%	0%	54%	5%	6%	22%	-12%	0%	3%	8%	-1%	-4%
Above Norm		-15%	-9%	3%	4%	17%	2%	-11%	0%	0%	4%	1%	-1%
Below Norm		5%	12%	24%	7%	-3%	2%	-3%	-1%	7%	1%	-2%	-4%
Dry		3%	34%	22%	3%	2%	2%	0%	0%	3%	38%	0%	3%
Critical		6%	7%	25%	-15%	39%	1%	-1%	-1%	-2%	10%	3%	-1%

Difference in Energy Use (GWh) At Pumping Plant at Alt. Misc.: CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norm	0	0	0	0	0	0	0	0	1	-4	-3	1	0
1924	Critical	1	0	0	1	1	0	0	0	0	1	0	7	1
1925	Dry	4	0	0	-3	-16	-2	0	0	1	1	0	0	-1
1926	Dry	0	0	0	-1	0	2	0	6	0	0	0	3	1
1927	Wet	1	0	0	0	-3	-1	0	-3	0	9	1	0	0
1928	Above Norm	0	0	0	0	-1	-3	0	0	-1	7	1	-1	0
1929	Critical	0	0	0	-1	-1	0	0	1	2	2	0	0	0
1930	Dry	0	0	0	0	2	0	0	0	0	8	-5	-1	0
1931	Critical	-2	0	0	0	7	0	0	0	0	0	0	0	0
1932	Dry	0	1	0	-4	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	2	0
1934	Critical	0	0	0	-2	0	0	0	0	0	0	0	0	0
1935	Below Norm	0	0	0	0	0	-2	0	0	0	0	0	0	0
1936	Below Norm	0	0	0	0	0	0	0	0	0	0	1	0	0
1937	Below Norm	0	0	0	0	0	0	0	-1	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	1	-1	5	-1	7	4	3	1
1940	Above Norm	-1	-1	0	-1	-1	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	0	-1	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	1	0	0	0	-3	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	-1	0	0	2	5	3	0	1
1945	Below Norm	-1	0	0	-1	2	0	0	-1	0	0	0	0	0
1946	Below Norm	0	0	0	0	0	2	0	0	0	8	-2	0	1
1947	Dry	0	1	0	0	0	-4	0	0	-3	3	2	0	0
1948	Below Norm	0	0	0	-1	0	0	0	0	0	1	5	0	0
1949	Dry	0	0	0	0	0	2	0	0	0	0	0	0	0
1950	Below Norm	-1	0	0	0	0	0	-1	10	-1	0	-1	0	1
1951	Above Norm	6	0	0	0	0	0	0	9	2	-3	-1	0	1
1952	Wet	0	0	0	0	0	-2	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norm	0	0	0	0	0	0	0	0	0	-1	0	0	0
1955	Dry	0	0	0	0	0	-6	1	0	3	7	10	-2	1
1956	Wet	0	0	0	-1	1	0	0	0	0	0	0	0	0
1957	Above Norm	0	0	0	0	0	0	0	0	0	-2	2	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	2	2	0	1	1	0	0	-5	-2	-2	-1	1	0
1961	Dry	0	0	1	0	-1	-2	0	1	-1	2	-1	4	0
1962	Below Norm	5	3	0	-1	-1	0	0	4	-1	-7	1	0	0
1963	Wet	0	0	0	0	0	1	0	0	0	1	0	0	0
1964	Dry	0	0	0	0	0	-1	0	-6	-6	12	10	0	1
1965	Wet	0	0	-1	-1	3	0	0	0	-1	0	-1	0	0
1966	Below Norm	0	0	0	-1	1	5	0	0	0	0	0	0	0
1967	Wet	0	1	0	0	0	-1	0	0	0	0	0	0	0
1968	Below Norm	0	0	0	0	0	0	0	0	-1	-6	4	0	0
1969	Wet	1	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	-1	-1	2	0	0
1971	Wet	0	0	0	-1	2	0	0	0	0	0	0	0	0
1972	Below Norm	0	0	0	0	0	0	0	0	2	0	0	0	0
1973	Above Norm	0	0	0	0	0	-2	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	-1	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	2	1	2	-1	1	0
1977	Critical	2	2	2	0	10	0	0	0	0	-14	-8	-1	-1
1978	Above Norm	-6	0	0	0	0	-5	0	0	0	0	0	0	-1
1979	Below Norm	0	0	0	0	0	0	0	0	-1	1	0	0	0
1980	Above Norm	0	-1	0	-1	6	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	1	0	0	0	0	-2	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	5	0	0	-4	-1	1	0	0
1986	Wet	0	0	0	0	-1	2	2	-5	-2	4	-2	-1	0
1987	Dry	-1	-1	-1	2	0	0	1	0	0	-3	3	2	0
1988	Critical	-3	0	0	0	0	0	0	0	1	2	0	0	0
1989	Dry	0	0	2	0	1	0	0	0	-2	-2	-2	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	6	0	-1	0	0	0	1	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	-1	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	-1	0	0	0	0	0	1	0
2002	Dry	-1	0	-1	-1	3	0	0	0	0	0	0	0	0
2003	Above Norm	3	2	1	0	-5	9	0	0	0	0	1	0	1
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	1	0	0	0
Above Norm		0	0	0	0	0	0	0	1	0	0	0	0	0
Below Norm		0	0	0	0	0	0	0	1	0	-1	0	0	0
Dry		0	0	0	0	-1	0	0	0	-1	2	1	0	0
Critical		0	0	0	0	1	0	0	0	0	-1	-1	1	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at Alt. Misc.: CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norm	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%	0%
1923	Below Norm	2%	0%	1%	1%	0%	0%	3%	0%	23%	-18%	-13%	5%
1924	Critical	5%	6%	-14%	33%	145%	0%	-1%	-1%	0%	13%	-3%	281%
1925	Dry	68%	-19%	3%	-24%	-94%	-50%	2%	0%	25%	11%	3%	-3%
1926	Dry	-4%	-2%	-5%	-9%	-4%	71%	3%	52%	0%	-4%	-16%	178%
1927	Wet	18%	2%	-1%	-2%	-19%	-45%	0%	-15%	0%	70%	5%	2%
1928	Above Norm	1%	4%	2%	2%	-18%	-61%	-1%	0%	-15%	129%	5%	-5%
1929	Critical	-3%	-2%	-15%	-22%	-18%	0%	-1%	4%	84%	16%	-1%	0%
1930	Dry	0%	-1%	-1%	-1%	15%	-1%	0%	0%	14%	193%	-81%	-15%
1931	Critical	-24%	2%	2%	-1%	656%	-8%	-4%	-1%	-5%	-3%	8%	2%
1932	Dry	3%	12%	2%	-32%	-16%	0%	0%	0%	1%	1%	1%	0%
1933	Critical	1%	1%	-15%	0%	0%	0%	0%	0%	0%	0%	0%	32%
1934	Critical	3%	15%	0%	-39%	0%	0%	2%	0%	15%	2%	0%	-17%
1935	Below Norm	-3%	1%	3%	2%	4%	-17%	-3%	0%	1%	0%	0%	0%
1936	Below Norm	0%	0%	1%	0%	-9%	0%	-1%	0%	1%	-3%	4%	0%
1937	Below Norm	1%	1%	1%	-9%	0%	0%	-1%	-2%	1%	3%	2%	1%
1938	Wet	4%	1%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	-1%	0%	-1%	-1%	0%	22%	-11%	24%	-25%	52%	39%	33%
1940	Above Norm	-13%	-29%	0%	-20%	0%	1%	1%	0%	8%	6%	2%	3%
1941	Wet	2%	4%	8%	6%	-10%	0%	0%	0%	1%	0%	0%	0%
1942	Wet	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	12%	1%	2%	2%	-72%	0%	0%	-2%	0%	0%	0%	0%
1944	Dry	0%	0%	0%	0%	-1%	-8%	-4%	0%	47%	48%	40%	-1%
1945	Below Norm	-6%	-3%	-10%	-13%	27%	0%	0%	-4%	0%	0%	1%	1%
1946	Below Norm	0%	-1%	0%	0%	0%	28%	-4%	-1%	-9%	62%	-10%	-1%
1947	Dry	1%	8%	-2%	-4%	-3%	-63%	-2%	0%	-36%	24%	22%	-1%
1948	Below Norm	-3%	0%	-4%	-34%	-2%	-2%	-3%	1%	-3%	4%	28%	-1%
1949	Dry	0%	-2%	-10%	-7%	-4%	26%	-1%	-1%	-4%	-1%	0%	0%
1950	Below Norm	-5%	1%	1%	1%	0%	3%	-8%	63%	-7%	-1%	-3%	-2%
1951	Above Norm	85%	-1%	-4%	0%	0%	0%	0%	47%	84%	-20%	-3%	2%
1952	Wet	2%	4%	3%	2%	1%	-20%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Norm	1%	0%	0%	1%	0%	0%	0%	0%	2%	-33%	1%	1%
1955	Dry	1%	1%	1%	1%	2%	-86%	13%	-1%	57%	41%	594%	-21%
1956	Wet	-3%	-4%	-10%	-13%	13%	0%	0%	-1%	0%	0%	0%	0%
1957	Above Norm	0%	0%	0%	32%	0%	-4%	-1%	0%	-5%	-13%	8%	0%
1958	Wet	0%	0%	1%	0%	0%	2%	0%	0%	0%	0%	0%	0%
1959	Below Norm	0%	0%	0%	0%	0%	0%	1%	0%	1%	0%	-1%	2%
1960	Dry	40%	56%	0%	47%	14%	-3%	-2%	-22%	-17%	-12%	-12%	5%
1961	Dry	-1%	0%	19%	-5%	-7%	-64%	2%	3%	-13%	7%	-4%	63%
1962	Below Norm	395%	81%	-11%	-13%	-9%	-2%	-5%	24%	-15%	-31%	5%	0%
1963	Wet	1%	4%	-3%	-4%	4%	41%	0%	0%	-2%	12%	0%	0%
1964	Dry	0%	1%	0%	-1%	-1%	-22%	-4%	-22%	-82%	92%	104%	-4%
1965	Wet	-6%	-4%	-14%	-16%	35%	-6%	-3%	0%	-21%	1%	-2%	-4%
1966	Below Norm	-4%	-3%	-11%	-15%	15%	355%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	12%	-6%	0%	-1%	-15%	0%	0%	0%	0%	0%	0%
1968	Below Norm	0%	0%	0%	0%	0%	0%	-4%	-2%	-12%	-32%	23%	5%
1969	Wet	11%	2%	6%	1%	-1%	5%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	1%	0%	0%	-7%	-3%	-2%	-34%	-13%	8%	-4%
1971	Wet	-2%	-2%	-10%	-16%	31%	0%	0%	0%	0%	0%	0%	0%
1972	Below Norm	0%	1%	0%	-1%	-1%	0%	-8%	-3%	52%	-2%	-2%	0%
1973	Above Norm	3%	1%	1%	0%	0%	-16%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	1%	0%	0%	0%	0%	-11%	0%	1%	0%	-1%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	-19%	2%	19%	77%	21%	-20%	20%
1977	Critical	36%	26%	180%	-2%	1021%	0%	-4%	-2%	-7%	-61%	-88%	-14%
1978	Above Norm	-75%	3%	5%	4%	1%	-55%	0%	0%	1%	0%	0%	0%
1979	Below Norm	0%	-4%	-2%	-3%	-1%	-2%	0%	-1%	-15%	4%	-2%	-4%
1980	Above Norm	-3%	-8%	-12%	-16%	234%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	-1%	-1%	0%	0%	0%	0%	8%	0%	-1%	0%
1982	Wet	27%	1%	0%	1%	0%	-17%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	4%	1%	1%	1%
1985	Dry	0%	-1%	0%	0%	0%	103%	-7%	-2%	-66%	-5%	3%	-4%
1986	Wet	-2%	-2%	-9%	-12%	-6%	241%	15%	-12%	-34%	374%	-6%	-9%
1987	Dry	-6%	-7%	-24%	210%	0%	-2%	15%	1%	1%	-18%	148%	28%
1988	Critical	-27%	0%	-1%	-1%	0%	0%	-1%	0%	18%	10%	-4%	-2%
1989	Dry	-2%	-6%	97%	-2%	100%	1%	3%	-1%	-18%	-12%	-16%	0%
1990	Critical	2%	-1%	-4%	-7%	11%	0%	0%	0%	0%	1%	0%	0%
1991	Critical	0%	0%	-1%	10%	4%	0%	0%	0%	0%	0%	0%	0%
1992	Critical	-1%	0%	0%	-1%	-1%	-9%	1%	-4%	0%	4%	0%	0%
1993	Above Norm	0%	-15%	14%	3%	2%	0%	0%	1%	-2%	0%	0%	0%
1994	Critical	0%	0%	-1%	-2%	2%	0%	1%	1%	0%	2%	1%	1%
1995	Wet	178%	0%	-4%	-1%	-2%	-1%	21%	-1%	0%	0%	0%	0%
1996	Wet	-1%	-2%	-2%	-1%	0%	0%	0%	0%	0%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	-3%	0%	0%	0%	0%	0%	0%	4%
1998	Wet	1%	0%	0%	0%	-3%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norm	0%	0%	0%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%
2001	Dry	0%	0%	1%	0%	0%	-5%	0%	0%	0%	0%	0%	24%
2002	Dry	-9%	2%	-3%	-6%	284%	-2%	0%	0%	0%	0%	0%	-3%
2003	Above Norm	32%	12%	5%	0%	-48%	193%	-18%	0%	0%	0%	52%	-2%
Average		9%	2%	2%	0%	27%	6%	0%	2%	1%	11%	10%	7%
Wet		9%	1%	-1%	-2%	-1%	6%	1%	-1%	-3%	17%	0%	0%
Above Norm		3%	-3%	1%	0%	13%	5%	-2%	4%	6%	5%	5%	0%
Below Norm		27%	5%	-2%	-6%	2%	26%	-2%	5%	1%	-1%	2%	0%
Dry		5%	2%	4%	9%	16%	-5%	0%	2%	-6%	23%	46%	15%
Critical		-1%	4%	11%	-3%	152%	-3%	0%	1%	15%	0%	-9%	25%

Energy Use (GWh) At Pumping Plant at Contra Costa : CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	1.65	0.97	1.01	0.57	0.57	1.10	0.00	1.95	2.73	4.61	3.38	2.87	21
1923	Below Normal	2.49	1.64	0.85	1.20	1.05	1.22	0.00	2.17	2.76	3.44	3.38	2.85	23
1924	Critical	2.51	1.72	1.85	1.25	0.29	0.45	0.14	1.26	1.83	3.30	3.22	2.84	21
1925	Dry	2.48	1.98	1.54	1.82	1.81	1.43	2.02	2.73	4.84	4.47	3.23	2.53	31
1926	Dry	1.38	0.94	1.21	1.70	1.28	1.43	2.02	2.54	2.88	3.32	3.23	2.83	25
1927	Wet	2.49	1.95	1.77	1.71	1.52	1.08	1.40	1.96	2.52	5.09	4.45	2.68	29
1928	Above Normal	1.82	1.14	0.77	0.51	1.11	1.10	0.00	1.95	4.69	3.52	3.38	2.75	23
1929	Critical	1.29	0.98	1.57	0.38	0.53	0.58	0.14	1.91	3.08	3.32	3.07	2.62	19
1930	Dry	2.48	1.98	1.73	1.82	1.81	1.41	2.02	2.54	2.88	4.64	3.23	2.49	29
1931	Critical	2.10	1.95	1.24	1.71	1.48	1.76	2.20	2.77	3.08	3.32	3.22	2.84	28
1932	Dry	2.48	1.98	1.35	1.82	1.81	1.43	2.02	2.54	2.88	5.35	3.23	2.09	29
1933	Critical	2.01	1.95	1.36	1.71	1.24	1.76	2.20	2.77	3.08	3.32	3.22	2.84	27
1934	Critical	2.48	1.98	1.55	1.82	1.81	1.76	2.20	2.77	3.08	3.32	3.22	2.84	29
1935	Below Normal	2.48	1.98	1.80	1.82	1.81	1.22	1.72	2.17	4.72	4.52	3.22	2.74	30
1936	Below Normal	2.44	1.76	1.59	0.00	0.00	1.22	1.72	2.17	2.76	5.21	3.78	2.74	25
1937	Below Normal	2.44	1.76	1.61	0.50	0.00	1.22	1.72	4.17	4.06	3.19	3.22	2.74	27
1938	Wet	2.44	1.76	0.87	0.00	0.00	1.08	1.40	1.96	2.52	5.09	4.45	2.68	24
1939	Dry	2.35	1.53	0.60	0.35	0.28	0.68	0.00	2.54	2.88	3.32	3.23	2.21	20
1940	Above Normal	1.19	0.94	1.04	0.72	1.37	1.10	1.54	3.98	2.73	4.38	3.22	2.75	25
1941	Wet	2.36	1.57	0.99	1.25	0.63	1.08	0.00	1.96	4.04	3.25	3.34	2.68	23
1942	Wet	2.52	1.53	0.40	0.66	0.99	1.07	0.00	1.96	2.52	3.25	3.34	2.68	21
1943	Wet	2.53	1.48	0.57	0.77	1.08	1.04	0.00	1.96	2.52	4.98	3.19	2.68	23
1944	Dry	2.25	1.53	0.84	0.35	0.28	1.43	0.00	2.54	4.84	3.95	3.23	2.75	24
1945	Below Normal	1.22	1.11	1.08	0.50	0.51	1.22	1.72	2.17	4.72	4.52	3.22	2.72	25
1946	Below Normal	2.44	1.76	1.16	1.38	1.18	1.22	0.00	2.17	2.76	3.57	3.33	2.56	24
1947	Dry	1.49	1.21	1.04	0.49	1.18	1.43	0.00	2.54	2.88	3.32	3.23	2.42	21
1948	Below Normal	1.20	0.98	1.56	1.71	1.52	1.22	1.72	2.17	2.76	5.21	4.49	2.69	27
1949	Dry	1.69	1.17	1.61	0.71	1.18	0.76	0.00	2.54	2.88	4.64	3.23	2.60	23
1950	Below Normal	1.14	1.46	1.24	1.70	1.48	1.22	1.72	2.17	4.72	4.52	3.22	2.74	27
1951	Above Normal	1.50	1.76	1.61	0.21	0.00	1.10	0.00	1.95	2.73	4.59	3.38	2.58	21
1952	Wet	1.63	1.17	0.93	1.23	1.05	1.07	0.00	1.96	2.52	3.25	3.34	2.79	21
1953	Wet	2.43	1.53	0.48	1.04	1.14	1.08	0.00	1.96	2.52	3.25	3.34	2.80	22
1954	Above Normal	2.42	1.20	1.19	0.32	1.11	1.10	0.00	1.95	2.73	3.29	3.38	2.75	21
1955	Dry	1.55	1.04	0.92	0.68	0.81	1.43	0.00	2.54	2.88	3.32	3.23	2.54	21
1956	Wet	1.26	0.88	0.76	1.02	1.52	1.08	1.40	1.96	2.52	5.09	4.45	2.68	25
1957	Above Normal	2.35	1.53	1.00	1.05	0.43	1.10	0.00	1.95	4.65	3.53	3.38	2.56	24
1958	Wet	1.53	1.23	1.12	1.25	1.05	0.40	0.00	1.96	2.52	3.25	3.34	2.79	20
1959	Below Normal	2.42	1.53	0.61	0.36	1.11	1.22	0.00	2.17	4.72	3.55	3.22	2.32	23
1960	Dry	1.35	0.82	0.91	0.58	0.25	1.43	0.00	2.54	2.88	4.57	3.23	2.16	21
1961	Dry	1.07	1.12	1.77	1.71	1.50	1.43	2.02	2.54	2.88	4.64	3.23	2.28	26
1962	Below Normal	2.49	1.95	1.77	1.71	1.52	1.22	1.72	2.17	2.76	5.21	3.22	2.74	28
1963	Wet	2.44	1.76	1.61	1.38	1.18	2.10	0.18	1.96	4.48	3.39	3.19	2.68	26
1964	Dry	1.65	0.72	1.13	1.07	1.11	1.43	0.00	2.54	2.88	3.32	3.08	1.95	21
1965	Wet	1.26	1.95	1.26	1.71	1.52	2.16	0.41	2.00	2.52	5.09	3.34	2.68	26
1966	Below Normal	2.35	1.53	0.49	1.02	1.09	1.22	0.00	2.17	2.76	3.48	3.22	2.30	22
1967	Wet	1.29	1.35	0.68	1.25	1.18	1.08	0.00	1.96	2.52	3.25	3.34	2.79	21
1968	Below Normal	2.42	1.53	0.59	0.49	1.11	1.22	0.00	2.17	2.76	3.48	3.22	2.50	21
1969	Wet	1.21	0.92	1.06	0.58	1.18	1.08	0.00	1.96	2.52	5.09	3.92	2.79	22
1970	Wet	2.40	1.53	0.54	0.81	1.07	1.08	0.00	1.96	2.52	3.25	3.34	2.65	21
1971	Wet	1.50	1.38	1.13	1.02	1.11	1.08	0.00	1.96	2.52	3.25	3.34	2.68	21
1972	Below Normal	2.35	1.35	0.85	0.36	0.33	1.22	0.00	2.17	2.76	5.21	3.49	2.65	23
1973	Above Normal	1.13	1.05	1.20	1.38	1.18	1.10	0.00	1.95	4.68	4.21	3.38	2.75	24
1974	Wet	2.44	1.67	1.10	1.18	1.05	1.08	0.00	1.96	2.52	3.24	3.34	2.68	22
1975	Wet	2.52	1.53	0.60	1.07	1.11	1.08	0.00	1.96	2.52	3.24	3.34	2.68	22
1976	Critical	2.50	1.53	0.62	0.37	0.25	0.70	0.14	2.36	1.63	1.81	3.22	2.50	18
1977	Critical	2.48	1.98	1.35	1.82	1.81	1.76	2.20	2.77	3.08	3.32	3.22	2.84	29
1978	Above Normal	2.48	1.98	1.43	1.82	1.81	1.10	1.54	1.95	2.73	5.14	4.49	2.75	29
1979	Below Normal	2.44	1.67	1.57	1.25	1.05	1.22	0.69	2.17	4.72	4.52	3.22	2.59	27
1980	Above Normal	1.70	1.32	1.05	0.67	1.18	1.10	0.34	1.95	2.73	5.14	4.49	2.75	24
1981	Dry	2.44	1.67	1.07	0.29	1.05	1.43	0.00	2.54	2.88	3.32	3.23	2.07	22
1982	Wet	1.07	0.77	1.77	1.71	1.52	1.08	0.00	1.96	2.52	5.09	3.36	2.76	24
1983	Wet	2.39	1.42	0.40	0.63	0.73	0.52	0.00	1.96	2.52	3.25	3.34	2.78	20
1984	Wet	2.42	1.43	0.47	1.04	1.09	1.08	0.00	1.96	2.52	3.25	3.34	2.80	21
1985	Dry	2.32	1.05	1.06	1.07	0.80	1.43	0.00	2.54	4.84	3.32	3.02	2.00	23
1986	Wet	1.42	1.14	1.77	0.74	0.66	1.08	1.40	1.96	2.52	3.99	3.19	2.68	23
1987	Dry	2.35	1.53	0.84	0.28	0.41	0.87	0.00	2.54	2.88	3.32	3.23	2.07	20
1988	Critical	2.20	1.95	1.24	1.68	1.50	1.76	2.20	2.77	3.08	4.64	3.19	2.46	29
1989	Dry	2.19	1.98	1.47	1.82	1.75	1.43	2.02	2.54	2.88	4.64	3.23	2.65	29
1990	Critical	1.61	0.92	1.77	1.71	1.50	1.76	2.20	2.77	3.08	3.32	3.22	2.84	27
1991	Critical	2.48	1.98	1.61	1.82	1.81	1.76	2.20	2.77	3.08	3.32	3.22	2.84	29
1992	Critical	2.48	1.98	1.35	1.82	1.81	1.76	2.20	2.77	3.08	4.64	3.22	2.84	30
1993	Above Normal	2.48	1.98	1.66	1.82	1.02	1.10	1.54	1.95	2.73	5.14	4.49	2.75	29
1994	Critical	2.44	1.67	0.98	0.59	1.05	1.13	0.14	2.77	3.08	3.32	2.81	2.26	22
1995	Wet	2.32	1.98	1.35	1.78	1.81	1.08	1.40	1.96	2.52	5.09	4.45	2.68	28
1996	Wet	2.35	1.53	1.10	0.84	0.69	1.00	0.00	1.96	4.21	3.25	3.34	2.80	23
1997	Wet	2.41	1.50	0.36	0.87	1.10	1.08	0.00	1.96	4.28	3.25	3.34	2.68	23
1998	Wet	1.77	0.93	0.66	0.38	0.68	1.08	0.00	1.96	2.52	4.32	3.34	2.79	20
1999	Wet	2.43	1.53	0.48	1.04	1.11	1.08	0.00	1.96	2.52	3.25	3.34	2.64	21
2000	Above Normal	2.16	1.30	1.57	0.49	0.67	1.10	0.00	1.95	4.43	4.67	3.38	2.75	24
2001	Dry	2.35	1.67	1.77	0.36	1.52	1.18	0.00	2.54	2.88	3.32	3.23	2.46	23
2002	Dry	1.18	1.95	0.78	1.71	1.52	1.43	0.76	2.54	2.88	4.24	3.23	2.42	25
2003	Above Normal	2.49	1.95	1.24	1.71	3.35	1.10	0.53	1.95	4.69	4.45	3.22	2.75	29
Average		2	1	1	1	1	1	1	2	3	4	3	3	24
Wet		2	1	1	1	1	1	0	2	3	4	4	3	23
Above Normal		2	1	1	1	1	1	0	2	4	4	4	3	25
Below Normal		2	2	1	1	1	1	1	2	4	4	3	3	25
Dry		2	1	1	1	1	1	1	3	3	4	3	2	24
Critical		2	2	1	1	1	1	2	3	3	3	3	3	26

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Energy Use (GWh) At Pumping Plant at Contra Costa : CP2_2020

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	1.65	0.97	1.01	0.57	0.57	1.10	0.00	1.95	2.73	4.61	3.38	2.87	21
1923	Below Normal	2.49	1.64	0.85	1.20	1.05	1.22	0.00	2.17	2.76	3.44	3.38	2.85	23
1924	Critical	2.51	1.72	1.85	1.25	0.29	0.45	0.14	1.26	1.83	3.30	3.22	2.84	21
1925	Dry	2.48	1.98	1.54	1.82	1.81	1.43	2.02	2.73	4.84	4.47	3.23	2.53	31
1926	Dry	1.38	0.94	1.21	1.70	1.28	1.43	2.02	2.54	2.88	3.32	3.23	2.83	25
1927	Wet	2.49	1.95	1.77	1.71	1.52	1.08	1.40	1.96	2.52	5.09	4.45	2.68	29
1928	Above Normal	1.82	1.14	0.77	0.51	1.11	1.10	0.00	1.95	4.69	3.52	3.38	2.75	23
1929	Critical	1.29	0.98	1.57	0.38	0.53	0.58	0.14	1.91	3.08	3.32	3.07	2.62	19
1930	Dry	2.48	1.98	1.73	1.82	1.81	1.41	2.02	2.54	2.88	4.64	3.23	2.49	29
1931	Critical	2.10	1.95	1.24	1.71	1.48	1.76	2.20	2.77	3.08	3.32	3.22	2.84	28
1932	Dry	2.48	1.98	1.35	1.82	1.81	1.43	2.02	2.54	2.88	5.35	3.23	2.09	29
1933	Critical	2.01	1.95	1.36	1.71	1.24	1.76	2.20	2.77	3.08	3.32	3.22	2.84	27
1934	Critical	2.48	1.98	1.55	1.82	1.81	1.76	2.20	2.77	3.08	3.32	3.22	2.84	29
1935	Below Normal	2.48	1.98	1.80	1.82	1.81	1.22	1.72	2.17	4.72	4.52	3.22	2.74	30
1936	Below Normal	2.44	1.76	1.59	0.00	0.00	1.22	1.72	2.17	2.76	5.21	3.78	2.74	25
1937	Below Normal	2.44	1.76	1.61	0.50	0.00	1.22	1.72	4.17	4.06	3.19	3.22	2.74	27
1938	Wet	2.44	1.76	0.87	0.00	0.00	1.08	1.40	1.96	2.52	5.09	4.45	2.68	24
1939	Dry	2.35	1.53	0.60	0.35	0.28	0.68	0.00	2.54	2.88	3.32	3.23	2.21	20
1940	Above Normal	1.19	0.94	1.04	0.72	1.37	1.10	1.54	3.98	2.73	4.38	3.22	2.75	25
1941	Wet	2.36	1.57	0.99	1.25	0.63	1.08	0.00	1.96	4.04	3.25	3.34	2.68	23
1942	Wet	2.52	1.53	0.40	0.66	0.99	1.07	0.00	1.96	2.52	3.25	3.34	2.68	21
1943	Wet	2.53	1.48	0.57	0.77	1.08	1.04	0.00	1.96	2.52	4.98	3.19	2.68	23
1944	Dry	2.25	1.53	0.84	0.35	0.28	1.43	0.00	2.54	4.84	3.95	3.23	2.75	24
1945	Below Normal	1.22	1.11	1.08	0.50	0.51	1.22	1.72	2.17	4.72	4.52	3.22	2.72	25
1946	Below Normal	2.44	1.76	1.16	1.38	1.18	1.22	0.00	2.17	2.76	3.57	3.33	2.56	24
1947	Dry	1.49	1.21	1.04	0.49	1.18	1.43	0.00	2.54	2.88	3.32	3.23	2.42	21
1948	Below Normal	1.20	0.98	1.56	1.71	1.52	1.22	1.72	2.17	2.76	5.21	4.49	2.69	27
1949	Dry	1.69	1.17	1.61	0.71	1.18	0.76	0.00	2.54	2.88	4.64	3.23	2.60	23
1950	Below Normal	1.14	1.46	1.24	1.70	1.48	1.22	1.72	2.17	4.72	4.52	3.22	2.74	27
1951	Above Normal	1.50	1.76	1.61	0.21	0.00	1.10	0.00	1.95	2.73	4.59	3.38	2.58	21
1952	Wet	1.63	1.17	0.93	1.23	1.05	1.07	0.00	1.96	2.52	3.25	3.34	2.79	21
1953	Wet	2.43	1.53	0.48	1.04	1.14	1.08	0.00	1.96	2.52	3.25	3.34	2.80	22
1954	Above Normal	2.42	1.20	1.19	0.32	1.11	1.10	0.00	1.95	2.73	3.29	3.38	2.75	21
1955	Dry	1.55	1.04	0.92	0.68	0.81	1.43	0.00	2.54	2.88	3.32	3.23	2.54	21
1956	Wet	1.26	0.88	0.76	1.02	1.52	1.08	1.40	1.96	2.52	5.09	4.45	2.68	25
1957	Above Normal	2.35	1.53	1.00	1.05	0.43	1.10	0.00	1.95	4.65	3.53	3.38	2.56	24
1958	Wet	1.53	1.23	1.12	1.25	1.05	0.40	0.00	1.96	2.52	3.25	3.34	2.79	20
1959	Below Normal	2.42	1.53	0.61	0.36	1.11	1.22	0.00	2.17	4.72	3.55	3.22	2.32	23
1960	Dry	1.35	0.82	0.91	0.58	0.25	1.43	0.00	2.54	2.88	4.57	3.23	2.16	21
1961	Dry	1.07	1.12	1.77	1.71	1.50	1.43	2.02	2.54	2.88	4.64	3.23	2.28	26
1962	Below Normal	2.49	1.95	1.77	1.71	1.52	1.22	1.72	2.17	2.76	5.21	3.22	2.74	28
1963	Wet	2.44	1.76	1.61	1.38	1.18	2.10	0.18	1.96	4.48	3.39	3.19	2.68	26
1964	Dry	1.65	0.72	1.13	1.07	1.11	1.43	0.00	2.54	2.88	3.32	3.08	1.95	21
1965	Wet	1.26	1.95	1.26	1.71	1.52	2.16	0.41	2.00	2.52	5.09	3.34	2.68	26
1966	Below Normal	2.35	1.53	0.49	1.02	1.09	1.22	0.00	2.17	2.76	3.48	3.22	2.30	22
1967	Wet	1.29	1.35	0.68	1.25	1.18	1.08	0.00	1.96	2.52	3.25	3.34	2.79	21
1968	Below Normal	2.42	1.53	0.59	0.49	1.11	1.22	0.00	2.17	2.76	3.48	3.22	2.50	21
1969	Wet	1.21	0.92	1.06	0.58	1.18	1.08	0.00	1.96	2.52	5.09	3.92	2.79	22
1970	Wet	2.40	1.53	0.54	0.81	1.07	1.08	0.00	1.96	2.52	3.25	3.34	2.65	21
1971	Wet	1.50	1.38	1.13	1.02	1.11	1.08	0.00	1.96	2.52	3.25	3.34	2.68	21
1972	Below Normal	2.35	1.35	0.85	0.36	0.33	1.22	0.00	2.17	2.76	5.21	3.49	2.65	23
1973	Above Normal	1.13	1.05	1.20	1.38	1.18	1.10	0.00	1.95	4.68	4.21	3.38	2.75	24
1974	Wet	2.44	1.67	1.10	1.18	1.05	1.08	0.00	1.96	2.52	3.24	3.34	2.68	22
1975	Wet	2.52	1.53	0.60	1.07	1.11	1.08	0.00	1.96	2.52	3.24	3.34	2.68	22
1976	Critical	2.50	1.53	0.62	0.37	0.25	0.70	0.14	2.36	1.63	1.81	3.22	2.50	18
1977	Critical	2.48	1.98	1.35	1.82	1.81	1.76	2.20	2.77	3.08	3.32	3.22	2.84	29
1978	Above Normal	2.48	1.98	1.43	1.82	1.81	1.10	1.54	1.95	2.73	5.14	4.49	2.75	29
1979	Below Normal	2.44	1.67	1.57	1.25	1.05	1.22	0.69	2.17	4.72	4.52	3.22	2.59	27
1980	Above Normal	1.70	1.32	1.05	0.67	1.18	1.10	0.34	1.95	2.73	5.14	4.49	2.75	24
1981	Dry	2.44	1.67	1.07	0.29	1.05	1.43	0.00	2.54	2.88	3.32	3.23	2.07	22
1982	Wet	1.07	0.77	1.77	1.71	1.52	1.08	0.00	1.96	2.52	5.09	3.36	2.76	24
1983	Wet	2.39	1.42	0.40	0.63	0.73	0.52	0.00	1.96	2.52	3.25	3.34	2.78	20
1984	Wet	2.42	1.43	0.47	1.04	1.09	1.08	0.00	1.96	2.52	3.25	3.34	2.80	21
1985	Dry	2.32	1.05	1.06	1.07	0.80	1.43	0.00	2.54	4.84	3.32	3.02	2.00	23
1986	Wet	1.42	1.14	1.77	0.74	0.66	1.08	1.40	1.96	2.52	3.99	3.19	2.68	23
1987	Dry	2.35	1.53	0.84	0.28	0.41	0.87	0.00	2.54	2.88	3.32	3.23	2.07	20
1988	Critical	2.20	1.95	1.24	1.68	1.50	1.76	2.20	2.77	3.08	4.64	3.19	2.46	29
1989	Dry	2.19	1.98	1.47	1.82	1.75	1.43	2.02	2.54	2.88	4.64	3.23	2.65	29
1990	Critical	1.61	0.92	1.77	1.71	1.50	1.76	2.20	2.77	3.08	3.32	3.22	2.84	27
1991	Critical	2.48	1.98	1.61	1.82	1.81	1.76	2.20	2.77	3.08	3.32	3.22	2.84	29
1992	Critical	2.48	1.98	1.35	1.82	1.81	1.76	2.20	2.77	3.08	4.64	3.22	2.84	30
1993	Above Normal	2.48	1.98	1.66	1.82	1.02	1.10	1.54	1.95	2.73	5.14	4.49	2.75	29
1994	Critical	2.44	1.67	0.98	0.59	1.05	1.13	0.14	2.77	3.08	3.32	2.81	2.26	22
1995	Wet	2.32	1.98	1.35	1.78	1.81	1.08	1.40	1.96	2.52	5.09	4.45	2.68	28
1996	Wet	2.35	1.53	1.10	0.84	0.69	1.00	0.00	1.96	4.21	3.25	3.34	2.80	23
1997	Wet	2.41	1.50	0.36	0.87	1.10	1.08	0.00	1.96	4.28	3.25	3.34	2.68	23
1998	Wet	1.77	0.93	0.66	0.38	0.68	1.08	0.00	1.96	2.52	4.32	3.34	2.79	20
1999	Wet	2.43	1.53	0.48	1.04	1.11	1.08	0.00	1.96	2.52	3.25	3.34	2.64	21
2000	Above Normal	2.16	1.30	1.57	0.49	0.67	1.10	0.00	1.95	4.43	4.67	3.38	2.75	24
2001	Dry	2.35	1.67	1.77	0.36	1.52	1.18	0.00	2.54	2.88	3.32	3.23	2.46	23
2002	Dry	1.18	1.95	0.78	1.71	1.52	1.43	0.76	2.54	2.88	4.24	3.23	2.42	25
2003	Above Normal	2.49	1.95	1.24	1.71	3.35	1.10	0.53	1.95	4.69	4.45	3.22	2.75	29
Average		2	1	1	1	1	1	1	2	3	4	3	3	24
Wet		2	1	1	1	1	1	0	2	3	4	4	3	23
Above Normal		2	1	1	1	1	1	0	2	4	4	4	3	25
Below Normal		2	2	1	1	1	1	1	2	4	4	3	3	25
Dry		2	1	1	1	1	1	1	3	3	4	3	2	24
Critical		2	2	1	1	1	1	2	3	3	3	3	3	26

Difference in Energy Use (GWh) At Pumping Plant at Contra Costa : CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1927	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1932	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1935	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1940	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1945	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1946	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1947	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1948	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1949	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1951	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1961	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1963	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1965	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1966	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Below Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Dry		0	0	0	0	0	0	0	0	0	0	0	0	0
Critical		0	0	0	0	0	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at Contra Costa : CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1923	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1924	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1925	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1926	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1927	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1928	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1929	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1930	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1931	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1932	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1933	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1934	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1935	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1936	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1937	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1938	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1940	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1942	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1944	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1945	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1946	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1947	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1948	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1949	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1950	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1951	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1955	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1956	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1958	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1960	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1961	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1962	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1963	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1964	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1965	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1966	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1968	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1969	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1972	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1973	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1977	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1978	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1979	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1980	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1982	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1986	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1987	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1988	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1989	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1990	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1992	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1993	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1995	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1998	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2001	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2002	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2003	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Average		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Wet		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Above Norma		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Below Norma		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Dry		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Critical		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Energy Use (GWh) At Pumping Plant at Corning: CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	0.18	0.00	0.00	0.00	0.00	0.04	1.02	1.11	1.25	1.33	0.96	0.54	6
1923	Below Normal	0.00	0.00	0.00	0.00	0.00	0.17	0.50	0.96	0.80	1.09	0.82	0.14	4
1924	Critical	0.11	0.02	0.00	0.00	0.00	0.01	0.03	0.03	0.04	0.04	0.03	0.01	0
1925	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.47	0.57	0.76	0.56	0.24	3
1926	Dry	0.09	0.00	0.00	0.00	0.00	0.02	0.07	0.25	0.33	0.35	0.24	0.14	1
1927	Wet	0.03	0.00	0.00	0.00	0.00	0.04	0.75	1.13	1.22	1.43	1.07	0.57	6
1928	Above Normal	0.04	0.00	0.00	0.00	0.00	0.00	0.35	0.86	0.89	0.96	0.72	0.38	4
1929	Critical	0.12	0.00	0.00	0.00	0.00	0.00	0.11	0.16	0.13	0.18	0.13	0.07	1
1930	Dry	0.03	0.01	0.00	0.00	0.00	0.00	0.18	0.33	0.43	0.47	0.35	0.16	2
1931	Critical	0.06	0.00	0.00	0.00	0.00	0.00	0.05	0.05	0.05	0.07	0.05	0.02	0
1932	Dry	0.01	0.00	0.00	0.00	0.00	0.01	0.12	0.13	0.18	0.20	0.15	0.08	1
1933	Critical	0.03	0.00	0.00	0.00	0.00	0.00	0.04	0.04	0.04	0.04	0.03	0.02	0
1934	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.12	0.13	0.15	0.11	0.06	1
1935	Below Normal	0.01	0.00	0.00	0.00	0.00	0.00	0.02	0.41	0.54	0.57	0.43	0.21	2
1936	Below Normal	0.02	0.00	0.00	0.00	0.00	0.00	0.24	0.61	0.55	0.78	0.59	0.27	3
1937	Below Normal	0.11	0.02	0.00	0.00	0.00	0.00	0.18	0.50	0.44	0.57	0.43	0.23	2
1938	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.43	1.25	1.41	1.50	1.12	0.47	6
1939	Dry	0.04	0.00	0.00	0.00	0.02	0.20	0.54	0.46	0.62	0.66	0.49	0.16	3
1940	Above Normal	0.06	0.01	0.00	0.00	0.00	0.00	0.61	1.01	1.39	1.52	1.14	0.57	6
1941	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.89	1.51	1.63	1.22	0.66	6
1942	Wet	0.07	0.00	0.00	0.00	0.00	0.00	0.24	0.93	1.45	1.61	1.21	0.63	6
1943	Wet	0.19	0.00	0.00	0.00	0.00	0.00	0.34	1.18	1.34	1.45	1.10	0.59	6
1944	Dry	0.17	0.00	0.00	0.00	0.00	0.03	0.29	0.51	0.56	0.65	0.49	0.26	3
1945	Below Normal	0.07	0.00	0.00	0.00	0.00	0.00	0.52	0.73	0.99	1.18	0.88	0.47	5
1946	Below Normal	0.00	0.00	0.00	0.00	0.00	0.03	0.85	1.06	1.13	1.17	0.90	0.48	6
1947	Dry	0.17	0.00	0.00	0.00	0.00	0.00	0.32	0.60	0.63	0.76	0.57	0.30	3
1948	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.83	1.31	1.74	1.31	0.57	6
1949	Dry	0.18	0.03	0.00	0.00	0.00	0.00	0.49	0.78	0.98	1.04	0.78	0.42	5
1950	Below Normal	0.16	0.00	0.00	0.00	0.00	0.01	0.36	0.48	0.50	0.56	0.41	0.21	3
1951	Above Normal	0.00	0.00	0.00	0.00	0.00	0.08	0.97	0.94	1.28	1.38	1.03	0.54	6
1952	Wet	0.04	0.00	0.00	0.00	0.00	0.00	0.53	1.24	1.12	1.44	1.11	0.80	6
1953	Wet	0.22	0.00	0.00	0.00	0.00	0.15	0.49	1.05	1.21	1.49	1.05	0.60	6
1954	Above Normal	0.15	0.00	0.00	0.00	0.00	0.00	0.41	1.31	1.28	1.57	0.89	0.61	6
1955	Dry	0.18	0.00	0.00	0.00	0.00	0.08	0.31	0.49	0.49	0.54	0.41	0.17	3
1956	Wet	0.07	0.00	0.00	0.00	0.00	0.15	0.92	0.66	1.23	1.46	1.10	0.53	6
1957	Above Normal	0.17	0.04	0.00	0.00	0.00	0.00	0.73	0.99	1.41	1.50	1.12	0.15	6
1958	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.32	0.88	1.33	1.55	1.26	0.66	6
1959	Below Normal	0.22	0.03	0.00	0.00	0.00	0.06	0.98	1.15	1.22	1.32	0.97	0.30	6
1960	Dry	0.21	0.04	0.00	0.00	0.00	0.00	0.12	0.31	0.39	0.41	0.31	0.16	2
1961	Dry	0.04	0.00	0.00	0.00	0.00	0.00	0.38	0.74	0.81	0.92	0.68	0.25	4
1962	Below Normal	0.13	0.00	0.00	0.00	0.00	0.00	0.58	1.05	1.08	1.31	0.96	0.49	6
1963	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.18	1.00	1.51	1.65	1.24	0.66	6
1964	Dry	0.02	0.00	0.00	0.00	0.00	0.05	0.51	0.51	0.49	0.59	0.41	0.17	3
1965	Wet	0.03	0.00	0.00	0.00	0.00	0.02	0.20	1.16	1.29	1.37	0.73	0.55	5
1966	Below Normal	0.22	0.00	0.00	0.00	0.00	0.04	0.91	1.16	1.20	1.28	0.94	0.52	6
1967	Wet	0.20	0.00	0.00	0.00	0.00	0.02	0.43	1.23	1.13	1.50	1.12	0.60	6
1968	Below Normal	0.22	0.00	0.00	0.00	0.00	0.02	0.78	1.06	1.09	1.25	0.62	0.50	6
1969	Wet	0.07	0.00	0.00	0.00	0.00	0.00	0.67	1.27	1.23	1.37	1.04	0.56	6
1970	Wet	0.08	0.02	0.00	0.00	0.00	0.00	0.54	0.89	0.74	0.99	0.74	0.40	4
1971	Wet	0.07	0.00	0.00	0.00	0.00	0.04	0.99	1.02	1.14	1.36	1.02	0.49	6
1972	Below Normal	0.20	0.00	0.00	0.00	0.00	0.23	0.76	0.75	0.88	0.97	0.72	0.25	5
1973	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.65	1.23	1.32	1.43	1.07	0.55	6
1974	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.48	1.31	1.39	1.26	1.14	0.61	6
1975	Wet	0.04	0.00	0.00	0.00	0.00	0.00	0.50	1.32	1.38	1.38	1.04	0.61	6
1976	Critical	0.00	0.00	0.00	0.00	0.02	0.09	0.17	0.25	0.26	0.28	0.17	0.08	1
1977	Critical	0.04	0.00	0.00	0.00	0.00	0.02	0.07	0.03	0.08	0.09	0.06	0.02	0
1978	Above Normal	0.01	0.00	0.00	0.00	0.00	0.00	0.19	1.16	1.44	1.55	1.16	0.51	6
1979	Below Normal	0.25	0.00	0.00	0.00	0.00	0.00	0.38	0.97	1.11	1.19	0.77	0.39	5
1980	Above Normal	0.02	0.00	0.00	0.00	0.00	0.00	0.62	1.08	1.10	1.51	1.15	0.60	6
1981	Dry	0.18	0.02	0.00	0.00	0.00	0.00	0.44	1.00	1.50	1.62	1.21	0.49	6
1982	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.51	1.42	1.18	1.57	1.21	0.35	6
1983	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.25	1.14	1.42	1.66	1.10	0.48	6
1984	Wet	0.19	0.00	0.00	0.00	0.00	0.02	0.86	1.24	1.26	1.38	0.92	0.53	6
1985	Dry	0.04	0.00	0.00	0.00	0.00	0.00	0.61	0.96	1.00	1.04	0.78	0.26	5
1986	Wet	0.06	0.00	0.00	0.00	0.00	0.00	0.30	0.63	0.95	1.02	0.76	0.13	4
1987	Dry	0.15	0.02	0.00	0.00	0.00	0.00	0.32	0.58	0.64	0.68	0.51	0.27	3
1988	Critical	0.08	0.00	0.00	0.00	0.00	0.04	0.18	0.18	0.22	0.28	0.21	0.11	1
1989	Dry	0.04	0.00	0.00	0.00	0.00	0.00	0.22	0.54	0.58	0.69	0.51	0.01	3
1990	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1991	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.18	0.21	0.23	0.17	0.09	1
1992	Critical	0.03	0.00	0.00	0.00	0.00	0.00	0.22	0.57	0.50	0.67	0.50	0.26	3
1993	Above Normal	0.02	0.01	0.00	0.00	0.00	0.00	0.56	0.81	1.17	1.70	1.22	0.69	6
1994	Critical	0.10	0.00	0.00	0.00	0.00	0.05	0.63	0.62	0.98	1.06	0.79	0.42	5
1995	Wet	0.14	0.00	0.00	0.00	0.00	0.00	0.41	0.86	1.30	1.57	1.18	0.63	6
1996	Wet	0.25	0.05	0.00	0.00	0.00	0.00	0.62	0.81	1.46	1.60	1.20	0.51	6
1997	Wet	0.05	0.00	0.00	0.00	0.00	0.04	0.98	1.07	1.01	1.31	0.86	0.46	6
1998	Wet	0.10	0.00	0.00	0.00	0.00	0.00	0.41	1.10	1.29	1.83	1.36	0.72	6
1999	Wet	0.15	0.00	0.00	0.00	0.00	0.00	0.53	1.28	1.19	1.44	1.02	0.58	6
2000	Above Normal	0.21	0.00	0.00	0.00	0.00	0.00	0.39	1.08	1.40	1.55	1.24	0.60	6
2001	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.47	0.46	0.55	0.41	0.19	2
2002	Dry	0.05	0.00	0.00	0.00	0.00	0.03	0.68	0.69	0.85	0.90	0.68	0.36	4
2003	Above Normal	0.14	0.00	0.00	0.00	0.00	0.00	0.25	0.89	1.60	1.70	1.12	0.69	6
Average		0	0	0	0	0	0	0	1	1	1	1	0	4
Wet		0	0	0	0	0	0	1	1	1	1	1	1	6
Above Normal		0	0	0	0	0	0	1	1	1	1	1	1	6
Below Normal		0	0	0	0	0	0	1	1	1	1	1	0	5
Dry		0	0	0	0	0	0	0	1	1	1	1	0	3
Critical		0	0	0	0	0	0	0	0	0	0	0	0	1

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Energy Use (GWh) At Pumping Plant at Corning: CP2_2020

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	0.18	0.00	0.00	0.00	0.00	0.04	1.02	1.11	1.25	1.33	0.96	0.54	6
1923	Below Normal	0.00	0.00	0.00	0.00	0.00	0.15	0.43	0.82	0.68	0.94	0.70	0.12	4
1924	Critical	0.10	0.01	0.00	0.00	0.00	0.01	0.03	0.03	0.04	0.04	0.03	0.01	0
1925	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.52	0.62	0.84	0.61	0.26	3
1926	Dry	0.10	0.00	0.00	0.00	0.00	0.02	0.08	0.29	0.38	0.41	0.28	0.16	2
1927	Wet	0.04	0.00	0.00	0.00	0.00	0.04	0.75	1.13	1.22	1.43	1.07	0.57	6
1928	Above Normal	0.04	0.00	0.00	0.00	0.00	0.00	0.39	0.97	1.00	1.08	0.81	0.43	5
1929	Critical	0.14	0.00	0.00	0.00	0.00	0.00	0.11	0.17	0.14	0.18	0.14	0.07	1
1930	Dry	0.03	0.01	0.00	0.00	0.00	0.00	0.19	0.34	0.44	0.48	0.36	0.16	2
1931	Critical	0.06	0.00	0.00	0.00	0.00	0.00	0.05	0.05	0.05	0.07	0.05	0.02	0
1932	Dry	0.01	0.00	0.00	0.00	0.00	0.01	0.12	0.12	0.17	0.19	0.14	0.07	1
1933	Critical	0.03	0.00	0.00	0.00	0.00	0.00	0.04	0.04	0.04	0.04	0.03	0.02	0
1934	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.11	0.12	0.13	0.10	0.05	1
1935	Below Normal	0.01	0.00	0.00	0.00	0.00	0.00	0.02	0.41	0.54	0.57	0.43	0.21	2
1936	Below Normal	0.02	0.00	0.00	0.00	0.00	0.00	0.24	0.60	0.55	0.77	0.58	0.26	3
1937	Below Normal	0.11	0.02	0.00	0.00	0.00	0.00	0.18	0.48	0.42	0.55	0.41	0.22	2
1938	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.43	1.25	1.41	1.50	1.12	0.47	6
1939	Dry	0.04	0.00	0.00	0.00	0.02	0.24	0.66	0.56	0.75	0.79	0.59	0.19	4
1940	Above Normal	0.07	0.01	0.00	0.00	0.00	0.00	0.61	1.01	1.39	1.52	1.14	0.57	6
1941	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.89	1.51	1.63	1.22	0.66	6
1942	Wet	0.07	0.00	0.00	0.00	0.00	0.00	0.24	0.93	1.45	1.61	1.21	0.63	6
1943	Wet	0.19	0.00	0.00	0.00	0.00	0.00	0.35	1.19	1.36	1.47	1.11	0.60	6
1944	Dry	0.17	0.00	0.00	0.00	0.00	0.03	0.35	0.61	0.67	0.78	0.58	0.31	4
1945	Below Normal	0.09	0.00	0.00	0.00	0.00	0.00	0.52	0.73	0.99	1.18	0.88	0.47	5
1946	Below Normal	0.00	0.00	0.00	0.00	0.00	0.03	0.92	1.15	1.22	1.26	0.97	0.52	6
1947	Dry	0.18	0.00	0.00	0.00	0.00	0.00	0.33	0.62	0.65	0.79	0.59	0.31	3
1948	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.78	1.23	1.63	1.23	0.53	5
1949	Dry	0.17	0.02	0.00	0.00	0.00	0.00	0.53	0.84	1.06	1.13	0.84	0.45	5
1950	Below Normal	0.18	0.00	0.00	0.00	0.00	0.01	0.40	0.54	0.56	0.63	0.47	0.23	3
1951	Above Normal	0.00	0.00	0.00	0.00	0.00	0.08	0.97	0.94	1.28	1.38	1.03	0.54	6
1952	Wet	0.04	0.00	0.00	0.00	0.00	0.00	0.53	1.24	1.12	1.44	1.11	0.60	6
1953	Wet	0.22	0.00	0.00	0.00	0.00	0.18	0.49	1.05	1.21	1.49	1.05	0.60	6
1954	Above Normal	0.15	0.00	0.00	0.00	0.00	0.00	0.41	1.31	1.28	1.57	0.89	0.61	6
1955	Dry	0.18	0.00	0.00	0.00	0.00	0.09	0.38	0.60	0.60	0.65	0.50	0.21	3
1956	Wet	0.08	0.00	0.00	0.00	0.00	0.15	0.92	0.66	1.23	1.46	1.10	0.53	6
1957	Above Normal	0.17	0.04	0.00	0.00	0.00	0.00	0.77	1.05	1.49	1.59	1.19	0.16	6
1958	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.32	0.88	1.33	1.55	1.26	0.66	6
1959	Below Normal	0.22	0.03	0.00	0.00	0.00	0.06	0.98	1.15	1.22	1.32	0.97	0.30	6
1960	Dry	0.21	0.04	0.00	0.00	0.00	0.00	0.13	0.35	0.43	0.46	0.34	0.18	2
1961	Dry	0.05	0.00	0.00	0.00	0.00	0.00	0.43	0.83	0.92	1.04	0.77	0.29	4
1962	Below Normal	0.15	0.00	0.00	0.00	0.00	0.00	0.67	1.20	1.24	1.49	1.10	0.55	6
1963	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.18	1.00	1.51	1.65	1.24	0.66	6
1964	Dry	0.02	0.00	0.00	0.00	0.00	0.06	0.64	0.64	0.60	0.74	0.51	0.21	3
1965	Wet	0.04	0.00	0.00	0.00	0.00	0.03	0.24	1.28	1.42	1.51	0.81	0.61	6
1966	Below Normal	0.24	0.00	0.00	0.00	0.00	0.04	0.91	1.16	1.20	1.28	0.94	0.52	6
1967	Wet	0.20	0.00	0.00	0.00	0.00	0.02	0.43	1.23	1.13	1.50	1.12	0.60	6
1968	Below Normal	0.22	0.00	0.00	0.00	0.00	0.02	0.91	1.23	1.26	1.45	0.72	0.58	6
1969	Wet	0.08	0.00	0.00	0.00	0.00	0.00	0.67	1.27	1.23	1.37	1.04	0.56	6
1970	Wet	0.08	0.02	0.00	0.00	0.00	0.00	0.65	1.09	0.89	1.20	0.90	0.48	5
1971	Wet	0.09	0.00	0.00	0.00	0.00	0.04	0.99	1.02	1.14	1.36	1.02	0.49	6
1972	Below Normal	0.20	0.00	0.00	0.00	0.00	0.29	0.93	0.91	1.08	1.18	0.88	0.30	6
1973	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.65	1.23	1.32	1.43	1.07	0.55	6
1974	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.48	1.31	1.39	1.26	1.14	0.61	6
1975	Wet	0.04	0.00	0.00	0.00	0.00	0.00	0.50	1.32	1.38	1.38	1.04	0.61	6
1976	Critical	0.00	0.00	0.00	0.00	0.02	0.11	0.21	0.32	0.33	0.35	0.21	0.10	2
1977	Critical	0.05	0.00	0.00	0.00	0.00	0.02	0.07	0.03	0.08	0.09	0.06	0.02	0
1978	Above Normal	0.01	0.00	0.00	0.00	0.00	0.00	0.19	1.16	1.44	1.55	1.16	0.51	6
1979	Below Normal	0.25	0.00	0.00	0.00	0.00	0.00	0.41	1.05	1.21	1.29	0.84	0.43	5
1980	Above Normal	0.02	0.00	0.00	0.00	0.00	0.00	0.62	1.08	1.10	1.51	1.15	0.60	6
1981	Dry	0.18	0.02	0.00	0.00	0.00	0.00	0.44	1.00	1.50	1.62	1.21	0.49	6
1982	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.51	1.42	1.18	1.57	1.21	0.35	6
1983	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.25	1.14	1.42	1.66	1.10	0.48	6
1984	Wet	0.19	0.00	0.00	0.00	0.00	0.02	0.86	1.24	1.26	1.38	0.92	0.53	6
1985	Dry	0.04	0.00	0.00	0.00	0.00	0.00	0.75	1.19	1.24	1.28	0.97	0.32	6
1986	Wet	0.08	0.00	0.00	0.00	0.00	0.00	0.36	0.77	1.16	1.24	0.93	0.16	5
1987	Dry	0.18	0.02	0.00	0.00	0.00	0.00	0.33	0.60	0.65	0.69	0.52	0.28	3
1988	Critical	0.08	0.00	0.00	0.00	0.00	0.05	0.20	0.20	0.24	0.31	0.24	0.12	1
1989	Dry	0.04	0.00	0.00	0.00	0.00	0.00	0.25	0.61	0.65	0.77	0.57	0.01	3
1990	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1991	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.18	0.21	0.23	0.18	0.09	1
1992	Critical	0.03	0.00	0.00	0.00	0.00	0.00	0.22	0.56	0.48	0.65	0.48	0.26	3
1993	Above Normal	0.02	0.01	0.00	0.00	0.00	0.00	0.56	0.81	1.17	1.70	1.22	0.69	6
1994	Critical	0.10	0.00	0.00	0.00	0.00	0.05	0.63	0.62	0.98	1.06	0.79	0.42	5
1995	Wet	0.14	0.00	0.00	0.00	0.00	0.00	0.41	0.86	1.30	1.57	1.18	0.63	6
1996	Wet	0.25	0.05	0.00	0.00	0.00	0.00	0.62	0.81	1.46	1.60	1.20	0.51	6
1997	Wet	0.05	0.00	0.00	0.00	0.00	0.04	1.06	1.15	1.08	1.41	0.93	0.49	6
1998	Wet	0.10	0.00	0.00	0.00	0.00	0.00	0.41	0.10	1.29	1.83	1.36	0.72	6
1999	Wet	0.15	0.00	0.00	0.00	0.00	0.00	0.53	1.28	1.19	1.44	1.02	0.58	6
2000	Above Normal	0.21	0.00	0.00	0.00	0.00	0.00	0.39	1.08	1.40	1.55	1.24	0.60	6
2001	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.62	0.61	0.72	0.54	0.25	3
2002	Dry	0.06	0.00	0.00	0.00	0.00	0.04	0.85	0.85	1.06	1.12	0.84	0.45	5
2003	Above Normal	0.18	0.00	0.00	0.00	0.00	0.00	0.25	0.89	1.60	1.70	1.12	0.69	6
Average		0	0	0	0	0	0	0	1	1	1	1	0	5
Wet		0	0	0	0	0	0	1	1	1	1	1	1	6
Above Normal		0	0	0	0	0	0	1	1	1	1	1	1	6
Below Normal		0	0	0	0	0	0	1	1	1	1	1	0	5
Dry		0	0	0	0	0	0	0	1	1	1	1	0	4
Critical		0	0	0	0	0	0	0	0	0	0	0	0	1

Difference in Energy Use (GWh) At Pumping Plant at Corning: CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1927	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1932	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1935	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1940	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1945	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1946	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1947	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1948	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1949	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1951	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1961	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1963	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1965	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1966	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Below Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Dry		0	0	0	0	0	0	0	0	0	0	0	0	0
Critical		0	0	0	0	0	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at Corning: CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1923	Below Norma -	-	-	-	-	-	-14%	-14%	-14%	-14%	-14%	-14%	-14%
1924	Critical	-14%	-14%	-	-	-	0%	0%	0%	0%	0%	0%	0%
1925	Dry	-	-	-	-	-	-	7%	10%	10%	10%	10%	10%
1926	Dry	10%	-	-	-	-	15%	15%	15%	15%	15%	15%	15%
1927	Wet	15%	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1928	Above Norma	0%	-	-	-	-	-	12%	12%	12%	12%	12%	12%
1929	Critical	12%	-	-	-	-	4%	4%	4%	4%	4%	4%	4%
1930	Dry	4%	4%	-	-	-	-	2%	2%	2%	2%	2%	2%
1931	Critical	2%	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1932	Dry	0%	-	-	-	-	-4%	-4%	-4%	-4%	-4%	-4%	-4%
1933	Critical	-4%	-4%	-	-	-	0%	0%	0%	0%	0%	0%	0%
1934	Critical	0%	0%	-	-	-	-13%	-13%	-13%	-13%	-13%	-13%	-13%
1935	Below Norma	-13%	-	-	-	-	-	-24%	0%	0%	0%	0%	0%
1936	Below Norma	0%	-	-	-	-	-	-1%	-1%	-1%	-1%	-1%	-1%
1937	Below Norma	-1%	-1%	-	-	-	-	-2%	-4%	-4%	-4%	-4%	-4%
1938	Wet	-	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1939	Dry	0%	-	-	-	0%	24%	21%	21%	21%	21%	21%	21%
1940	Above Norma	21%	21%	-	-	-	-	0%	0%	0%	0%	0%	0%
1941	Wet	-	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1942	Wet	0%	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1943	Wet	0%	-	-	-	-	-	1%	1%	1%	1%	1%	1%
1944	Dry	1%	-	-	-	-	20%	20%	20%	20%	20%	20%	20%
1945	Below Norma	20%	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1946	Below Norma -	-	-	-	-	-	20%	8%	8%	8%	8%	8%	8%
1947	Dry	8%	-	-	-	-	-	4%	4%	4%	4%	4%	4%
1948	Below Norma -	-	-	-	-	-	-	5%	-6%	-6%	-6%	-6%	-6%
1949	Dry	-5%	-5%	-	-	-	-	8%	8%	8%	8%	8%	8%
1950	Below Norma	8%	-	-	-	-	-	11%	13%	13%	13%	13%	13%
1951	Above Norma -	-	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1953	Wet	0%	-	-	-	-	21%	0%	0%	0%	0%	0%	0%
1954	Above Norma	0%	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1955	Dry	0%	-	-	-	-	21%	21%	21%	21%	21%	21%	21%
1956	Wet	21%	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1957	Above Norma	0%	0%	-	-	-	-	6%	6%	6%	6%	6%	6%
1958	Wet	-	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	-	-	-	0%	0%	0%	0%	0%	0%	0%
1960	Dry	0%	0%	-	-	-	-	12%	12%	12%	12%	12%	12%
1961	Dry	12%	-	-	-	-	-	13%	13%	13%	13%	13%	13%
1962	Below Norma	13%	-	-	-	-	-	14%	14%	14%	14%	14%	14%
1963	Wet	-	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1964	Dry	0%	-	-	-	-	25%	25%	25%	25%	25%	25%	25%
1965	Wet	25%	-	-	-	-	19%	19%	10%	10%	10%	10%	10%
1966	Below Norma	10%	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1968	Below Norma	0%	-	-	-	-	21%	16%	16%	16%	16%	16%	16%
1969	Wet	16%	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	-	-	-	-	21%	21%	21%	21%	21%	21%
1971	Wet	21%	-	-	-	-	8%	0%	0%	0%	0%	0%	0%
1972	Below Norma	0%	-	-	-	-	22%	22%	22%	22%	22%	22%	22%
1973	Above Norma -	-	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1974	Wet	-	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1975	Wet	0%	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1976	Critical	-	-	-	-	0%	25%	25%	25%	25%	25%	25%	25%
1977	Critical	25%	25%	-	-	-	0%	0%	0%	0%	0%	0%	0%
1978	Above Norma	0%	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1979	Below Norma	0%	-	-	-	-	-	9%	9%	9%	9%	9%	9%
1980	Above Norma	9%	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	-	-	-	-	0%	0%	0%	0%	0%	0%
1982	Wet	-	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1983	Wet	-	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1984	Wet	0%	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	-	-	-	-	-	24%	24%	24%	24%	24%	24%
1986	Wet	24%	-	-	-	-	-	22%	22%	22%	22%	22%	22%
1987	Dry	22%	22%	-	-	-	-	2%	2%	2%	2%	2%	2%
1988	Critical	2%	-	-	-	-	12%	12%	12%	12%	12%	12%	12%
1989	Dry	12%	-	-	-	-	-	12%	12%	12%	12%	12%	12%
1990	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1991	Critical	-	-	-	-	-	-	1%	1%	1%	1%	1%	1%
1992	Critical	1%	1%	-	-	-	-	-3%	-3%	-3%	-3%	-3%	-3%
1993	Above Norma	-3%	-3%	-	-	-	-	0%	0%	0%	0%	0%	0%
1994	Critical	0%	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1995	Wet	0%	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	-	-	-	-	0%	0%	0%	0%	0%	0%
1997	Wet	0%	-	-	-	-	7%	7%	7%	7%	7%	7%	7%
1998	Wet	7%	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1999	Wet	0%	-	-	-	-	-	0%	0%	0%	0%	0%	0%
2000	Above Norma	0%	-	-	-	-	-	0%	0%	0%	0%	0%	0%
2001	Dry	-	-	-	-	-	-	32%	32%	32%	32%	32%	32%
2002	Dry	32%	-	-	-	-	22%	24%	24%	24%	24%	24%	24%
2003	Above Norma	24%	-	-	-	-	-	0%	0%	0%	0%	0%	0%
Average		5%	3%	#DIV/0!	#DIV/0!	0%	8%	5%	5%	5%	5%	5%	5%
Wet		5%	0%	0%	0%	0%	2%	3%	2%	2%	2%	2%	2%
Above Norma		4%	1%	0%	0%	0%	0%	2%	2%	2%	2%	2%	2%
Below Norma		3%	0%	0%	0%	0%	4%	3%	4%	4%	4%	4%	4%
Dry		5%	1%	0%	0%	0%	7%	13%	13%	13%	13%	13%	13%
Critical		2%	1%	0%	0%	0%	2%	2%	2%	2%	2%	2%	2%

Difference in Energy Use (GWh) At Pumping Plant at CVP Banks: CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	0	0	-4	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1927	Wet	0	0	0	0	0	0	0	0	0	4	1	0	0
1928	Above Norma	0	0	0	0	0	0	0	0	0	0	5	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1932	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1935	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1940	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1945	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1946	Below Norma	0	0	0	0	0	0	0	0	0	0	-4	0	0
1947	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1948	Below Norma	0	0	0	0	0	0	0	0	0	2	6	0	1
1949	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Norma	0	0	0	0	0	0	0	0	0	0	-1	0	0
1951	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	5	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1961	Dry	0	0	0	0	0	0	0	0	0	3	-1	0	0
1962	Below Norma	0	0	0	0	0	0	0	0	0	0	4	0	0
1963	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	0	0	0	0	4	0	0	0
1965	Wet	0	0	0	0	0	0	0	0	0	3	0	0	0
1966	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	10	0	1
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	-1	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	Below Norma	0	0	0	0	0	0	0	0	0	4	0	0	0
1980	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	-1	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	4	0	0
1986	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	1	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	1	7	0	1
2003	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norma		0	0	0	0	0	0	0	0	0	0	1	0	0
Below Norma		0	0	0	0	0	0	0	0	0	0	1	0	0
Dry		0	0	0	0	0	0	0	0	0	0	1	0	0
Critical		0	0	0	0	0	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at CVP Banks: CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	-	-	-	-	-	-	-	-	-	0%	0%	-
1923	Below Norma	-	-	-	-	-	-	-	-	-	-100%	-	-
1924	Critical	-	-	-	-	-	-	-	-	-	-72%	-40%	-
1925	Dry	-	-	-	-	-	-	-	-	-	-	-69%	-
1926	Dry	-	-	-	-	-	-	-	-	-	-	-	-
1927	Wet	-	-	-	-	-	-	-	-	-	-	13%	-
1928	Above Norma	-	-	-	-	-	-	-	-	-	-100%	84%	-
1929	Critical	-	-	-	-	-	-	-	-	-	73%	-37%	-
1930	Dry	-	-	-	-	-	-	-	-	-	-	83%	-
1931	Critical	-	-	-	-	-	-	-	-	-	-100%	-32%	-
1932	Dry	-	-	-	-	-	-	-	-	-	-	-100%	-
1933	Critical	-	-	-	-	-	-	-	-	-	457%	-100%	-
1934	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1935	Below Norma	-	-	-	-	-	-	-	-	-	227%	-	-
1936	Below Norma	-	-	-	-	-	-	-	-	-	-	-100%	-
1937	Below Norma	-	-	-	-	-	-	-	-	-	-	-71%	-
1938	Wet	-	-	-	-	-	-	-	-	-	0%	0%	-
1939	Dry	-	-	-	-	-	-	-	-	-	-	-	-
1940	Above Norma	-	-	-	-	-	-	-	-	-	-	0%	-
1941	Wet	-	-	-	-	-	-	-	-	-	0%	0%	-
1942	Wet	-	-	-	-	-	-	-	-	-	0%	0%	-
1943	Wet	-	-	-	-	-	-	-	-	-	0%	0%	-
1944	Dry	-	-	-	-	-	-	-	-	-	-	-	-
1945	Below Norma	-	-	-	-	-	-	-	-	-	0%	-	-
1946	Below Norma	-	-	-	-	-	-	-	-	-	-100%	-100%	-
1947	Dry	-	-	-	-	-	-	-	-	-	-100%	-	-
1948	Below Norma	-	-	-	-	-	-	-	-	-	164%	-	-
1949	Dry	-	-	-	-	-	-	-	-	-	0%	-	-
1950	Below Norma	-	-	-	-	-	-	-	-	-	500%	-100%	-
1951	Above Norma	-	-	-	-	-	-	-	-	-	-100%	0%	-
1952	Wet	-	-	-	-	-	-	-	-	-	0%	0%	-
1953	Wet	-	-	-	-	-	-	-	-	-	0%	0%	-
1954	Above Norma	-	-	-	-	-	-	-	-	-	-	0%	-
1955	Dry	-	-	-	-	-	-	-	-	-	100%	-	-
1956	Wet	-	-	-	-	-	-	-	-	-	0%	0%	-
1957	Above Norma	-	-	-	-	-	-	-	-	-	-25%	83%	-
1958	Wet	-	-	-	-	-	-	-	-	-	0%	0%	-
1959	Below Norma	-	-	-	-	-	-	-	-	-	-	-	-
1960	Dry	-	-	-	-	-	-	-	-	-	-	-100%	-
1961	Dry	-	-	-	-	-	-	-	-	122117740%	-	-8%	-
1962	Below Norma	-	-	-	-	-	-	-	-	153%	63%	-	-
1963	Wet	-	-	-	-	-	-	-	-	-	0%	0%	-
1964	Dry	-	-	-	-	-	-	-	-	-	-	-100%	-
1965	Wet	-	-	-	-	-	-	-	-	-	183%	0%	-
1966	Below Norma	-	-	-	-	-	-	-	-	-	0%	0%	-
1967	Wet	-	-	-	-	-	-	-	-	-	0%	0%	-
1968	Below Norma	-	-	-	-	-	-	-	-	-	205%	-	-
1969	Wet	-	-	-	-	-	-	-	-	-	0%	0%	-
1970	Wet	-	-	-	-	-	-	-	-	-	-	0%	-
1971	Wet	-	-	-	-	-	-	-	-	-	-	-2%	-
1972	Below Norma	-	-	-	-	-	-	-	-	-	-	0%	-
1973	Above Norma	-	-	-	-	-	-	-	-	-	67%	-2%	-
1974	Wet	-	-	-	-	-	-	-	-	-	0%	0%	-
1975	Wet	-	-	-	-	-	-	-	-	-	-35%	0%	-
1976	Critical	-	-	-	-	-	-	-	-	-	-10%	207%	-
1977	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1978	Above Norma	-	-	-	-	-	-	-	-	-	3%	0%	-
1979	Below Norma	-	-	-	-	-	-	-	-	-	-	-100%	-
1980	Above Norma	-	-	-	-	-	-	-	-	-	0%	0%	-
1981	Dry	-	-	-	-	-	-	-	-	-	1%	-7%	-
1982	Wet	-	-	-	-	-	-	-	-	-	0%	0%	-
1983	Wet	-	-	-	-	-	-	-	-	-	0%	0%	-
1984	Wet	-	-	-	-	-	-	-	-	-	-21%	0%	-
1985	Dry	-	-	-	-	-	-	-	-	-	0%	66%	-
1986	Wet	-	-	-	-	-	-	-	-	-	-100%	0%	-
1987	Dry	-	-	-	-	-	-	-	-	-	113%	-	-
1988	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1989	Dry	-	-	-	-	-	-	-	-	-	-	-	-
1990	Critical	-	-	-	-	-	-	-	-	-	-	0%	-
1991	Critical	-	-	-	-	-	-	-	-	-	-70%	-	-
1992	Critical	-	-	-	-	-	-	-	-	-	-100%	-100%	-
1993	Above Norma	-	-	-	-	-	-	-	-	-	-	-	-
1994	Critical	-	-	-	-	-	-	-	-	-	3%	0%	-
1995	Wet	-	-	-	-	-	-	-	-	-	-	0%	-
1996	Wet	-	-	-	-	-	-	-	-	-	0%	0%	-
1997	Wet	-	-	-	-	-	-	-	-	-	-	12%	-
1998	Wet	-	-	-	-	-	-	-	-	-	-	0%	-
1999	Wet	-	-	-	-	-	-	-	-	-	-50%	0%	-
2000	Above Norma	-	-	-	-	-	-	-	-	-	-	0%	-
2001	Dry	-	-	-	-	-	-	-	-	-	-100%	99%	-
2002	Dry	-	-	-	-	-	-	-	-	-	29%	-	-
2003	Above Norma	-	-	-	-	-	-	-	-	-	-100%	0%	-
Average	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	2348437%	-7%	#DIV/0!
Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	1%	0%
Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-21%	14%	0%
Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	75%	-29%	0%
Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	6784321%	-8%	0%
Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	15%	-8%	0%

Difference in Energy Use (GWh) At Pumping Plant at CVP Dos Amigos: CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	-1	0	-2	-3	-4	-3	-1	-1
1924	Critical	0	0	-1	-1	-1	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	0	0	0	0	1	1	2	1	0	0
1926	Dry	0	0	0	1	1	0	0	1	1	1	1	0	1
1927	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	0	0	0	0	1	3	3	2	0	1
1929	Critical	0	0	1	1	1	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1932	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1935	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	0	0	0	0	0	0	0	0	-1	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	1	1	2	3	4	3	1	1
1940	Above Norma	0	0	1	1	1	0	0	0	-1	-1	-1	0	0
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	1	1	2	3	3	2	1	1
1945	Below Norma	0	0	1	1	1	0	0	0	0	0	0	0	0
1946	Below Norma	0	0	0	0	0	0	0	0	1	1	1	0	0
1947	Dry	0	0	0	0	0	0	0	0	1	1	0	0	0
1948	Below Norma	0	0	0	0	0	0	0	0	1	1	1	0	0
1949	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Norma	0	0	0	0	0	0	1	1	1	2	1	0	1
1951	Above Norma	0	0	0	1	1	0	0	0	0	0	3	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	1	1	1	3	3	2	0	1
1956	Wet	0	0	1	1	1	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	1	0	1	1	1	1	0	0
1961	Dry	0	0	0	0	0	1	0	1	2	2	2	0	1
1962	Below Norma	0	0	0	1	1	0	0	1	1	1	1	0	1
1963	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	1	1	2	3	4	3	1	1
1965	Wet	0	0	1	1	1	1	1	1	1	2	1	0	1
1966	Below Norma	0	0	0	1	1	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	1	0	1	2	2	-8	0	0
1971	Wet	0	0	0	1	1	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	1	1	1	2	2	1	0	1
1977	Critical	0	0	0	1	1	0	0	0	0	0	0	0	0
1978	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	Below Norma	0	0	0	0	0	0	0	1	2	2	1	0	1
1980	Above Norma	0	0	0	1	1	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	1	1	1	1	2	1	0	1
1986	Wet	0	0	0	1	1	1	2	2	4	5	3	1	2
1987	Dry	1	1	1	2	2	0	0	0	0	0	0	0	1
1988	Critical	0	0	0	0	0	0	0	0	1	1	1	0	0
1989	Dry	0	0	0	0	0	0	1	1	1	2	1	0	1
1990	Critical	0	0	0	1	1	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	0	-1	0	0
2001	Dry	0	0	0	0	0	1	1	2	3	4	3	1	1
2002	Dry	1	0	1	1	1	0	0	0	1	1	1	0	1
2003	Above Norma	0	0	0	0	0	0	1	1	2	3	-4	0	0
Average		0	0	0	0	0	0	0	0	0	1	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Below Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Dry		0	0	0	0	0	1	0	1	1	2	1	0	1
Critical		0	0	0	0	0	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at CVP Dos Amigos: CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1923	Below Norma	0%	0%	0%	0%	0%	-11%	-5%	-13%	-13%	-13%	-13%	-12%
1924	Critical	-13%	-13%	-13%	-13%	-13%	0%	0%	0%	0%	0%	0%	0%
1925	Dry	0%	0%	0%	0%	0%	6%	6%	8%	9%	9%	8%	8%
1926	Dry	8%	8%	9%	9%	9%	12%	12%	12%	12%	12%	12%	10%
1927	Wet	10%	11%	12%	13%	13%	1%	0%	0%	0%	0%	0%	0%
1928	Above Norma	0%	0%	0%	0%	0%	-4%	0%	11%	12%	12%	11%	11%
1929	Critical	11%	11%	12%	12%	12%	3%	2%	2%	3%	-3%	2%	2%
1930	Dry	2%	2%	3%	3%	3%	3%	2%	2%	2%	2%	2%	1%
1931	Critical	1%	1%	2%	2%	2%	0%	0%	0%	0%	0%	0%	0%
1932	Dry	0%	0%	0%	0%	0%	-3%	-3%	-3%	-3%	-3%	-3%	-2%
1933	Critical	-2%	-2%	-3%	-3%	-3%	0%	0%	0%	0%	0%	0%	0%
1934	Critical	0%	0%	0%	0%	0%	-8%	-8%	-8%	-9%	-9%	-8%	-6%
1935	Below Norma	-7%	-8%	-9%	-10%	-9%	0%	-15%	0%	0%	0%	0%	0%
1936	Below Norma	0%	0%	0%	0%	0%	-1%	-1%	-1%	-1%	-1%	-1%	-1%
1937	Below Norma	-1%	-1%	-1%	-1%	-1%	-2%	-2%	-3%	-4%	-4%	-3%	-3%
1938	Wet	-3%	-3%	-4%	-4%	-4%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	0%	21%	19%	19%	19%	19%	19%	17%
1940	Above Norma	18%	18%	19%	20%	19%	-5%	-4%	-4%	-4%	-4%	-4%	-4%
1941	Wet	-4%	-4%	-4%	-4%	-4%	0%	0%	0%	0%	0%	0%	0%
1942	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1944	Dry	0%	0%	0%	0%	0%	18%	17%	18%	18%	18%	18%	16%
1945	Below Norma	16%	17%	18%	19%	18%	1%	0%	0%	0%	0%	0%	0%
1946	Below Norma	0%	0%	0%	0%	0%	0%	4%	4%	4%	4%	4%	4%
1947	Dry	4%	4%	4%	4%	4%	6%	4%	4%	4%	4%	4%	3%
1948	Below Norma	3%	4%	4%	4%	4%	11%	4%	3%	3%	3%	3%	3%
1949	Dry	3%	3%	3%	4%	3%	12%	0%	0%	0%	0%	0%	0%
1950	Below Norma	0%	0%	0%	0%	0%	9%	11%	11%	11%	11%	11%	9%
1951	Above Norma	10%	10%	11%	12%	11%	0%	0%	0%	0%	0%	16%	0%
1952	Wet	0%	0%	0%	0%	0%	2%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1955	Dry	0%	0%	0%	0%	0%	18%	18%	18%	19%	19%	18%	16%
1956	Wet	16%	17%	18%	19%	19%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1958	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1960	Dry	0%	0%	0%	0%	0%	54%	9%	9%	10%	10%	9%	8%
1961	Dry	8%	9%	10%	10%	10%	19%	0%	9%	10%	10%	9%	9%
1962	Below Norma	9%	9%	10%	10%	10%	6%	5%	5%	5%	5%	5%	5%
1963	Wet	5%	5%	5%	5%	5%	-1%	0%	0%	0%	0%	0%	0%
1964	Dry	0%	0%	0%	0%	0%	22%	21%	21%	22%	22%	22%	19%
1965	Wet	20%	21%	22%	23%	22%	18%	17%	6%	6%	6%	6%	6%
1966	Below Norma	6%	6%	6%	6%	6%	-5%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1968	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1969	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	12%	0%	9%	9%	9%	-43%	8%
1971	Wet	8%	9%	9%	9%	9%	0%	0%	0%	0%	0%	0%	0%
1972	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1973	Above Norma	0%	0%	0%	0%	0%	2%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	20%	19%	19%	20%	20%	19%	16%
1977	Critical	17%	18%	20%	21%	21%	0%	0%	0%	0%	0%	0%	0%
1978	Above Norma	0%	0%	0%	0%	0%	-2%	0%	0%	0%	0%	0%	0%
1979	Below Norma	0%	0%	0%	0%	0%	5%	0%	8%	8%	8%	8%	7%
1980	Above Norma	7%	8%	8%	8%	8%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1982	Wet	0%	0%	0%	0%	0%	2%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	17%	7%	7%	7%	7%	7%	6%
1986	Wet	6%	6%	7%	7%	7%	21%	20%	20%	21%	21%	20%	19%
1987	Dry	19%	20%	21%	21%	21%	8%	2%	2%	2%	2%	2%	2%
1988	Critical	2%	2%	2%	2%	2%	10%	9%	10%	10%	10%	10%	8%
1989	Dry	8%	9%	10%	11%	10%	0%	10%	10%	10%	10%	10%	9%
1990	Critical	9%	10%	10%	11%	11%	0%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	0%	0%	0%	0%	1%	1%	1%	1%	1%	0%
1992	Critical	1%	1%	1%	1%	1%	0%	-2%	-2%	-3%	-3%	-2%	-2%
1993	Above Norma	-2%	-2%	-3%	-3%	-3%	1%	1%	1%	1%	1%	1%	1%
1994	Critical	1%	1%	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%
1995	Wet	0%	0%	0%	0%	0%	-1%	-1%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1998	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-7%	0%
2001	Dry	0%	0%	0%	0%	0%	23%	27%	27%	28%	28%	27%	23%
2002	Dry	24%	26%	27%	29%	28%	7%	0%	4%	4%	4%	4%	4%
2003	Above Norma	4%	4%	4%	4%	4%	1%	11%	10%	11%	11%	-28%	10%
Average		3%	3%	3%	3%	3%	4%	3%	3%	3%	3%	2%	3%
Wet		2%	2%	3%	3%	3%	2%	1%	1%	1%	1%	-1%	1%
Above Norma		3%	3%	3%	3%	3%	-1%	1%	2%	2%	2%	-1%	1%
Below Norma		2%	2%	2%	2%	2%	1%	0%	1%	1%	1%	1%	1%
Dry		4%	5%	5%	5%	5%	13%	8%	9%	9%	10%	9%	8%
Critical		2%	2%	3%	3%	3%	2%	2%	2%	2%	2%	2%	1%

Energy Use (GWh) At Pumping Plant at CVP San Luis: CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	18.45	34.28	49.00	46.85	39.80	10.67	6.39	0.00	0.00	0.00	0.00	11.34	217
1923	Below Normal	24.65	45.86	57.27	61.62	10.74	5.44	0.00	0.00	0.00	0.00	0.00	10.20	216
1924	Critical	21.02	40.47	36.14	49.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	147
1925	Dry	7.62	6.04	70.50	83.41	77.60	13.69	5.36	0.00	0.00	0.00	0.00	17.28	281
1926	Dry	18.30	39.39	50.72	66.81	55.22	4.69	5.02	0.00	0.00	0.00	0.00	0.00	240
1927	Wet	1.97	38.44	61.61	70.73	65.87	11.04	0.00	0.00	0.00	0.00	0.00	10.10	260
1928	Above Normal	19.32	38.43	54.76	55.29	46.67	17.27	0.00	0.00	0.00	0.00	0.00	11.32	243
1929	Critical	20.95	39.96	54.67	54.33	34.64	0.00	0.00	0.00	0.00	0.00	0.00	3.95	208
1930	Dry	9.68	20.22	61.86	74.37	53.65	4.62	0.00	0.00	0.00	0.00	0.00	5.33	230
1931	Critical	8.10	22.18	31.28	59.72	0.00	10.35	0.00	0.00	0.00	0.00	0.00	10.35	142
1932	Dry	15.53	21.39	67.58	84.05	4.43	0.00	0.00	0.00	0.00	0.00	0.00	36.08	229
1933	Critical	32.24	42.57	26.20	2.06	1.22	0.00	0.00	0.00	0.00	0.00	0.00	10.18	114
1934	Critical	22.64	15.80	51.23	32.92	0.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	123
1935	Below Normal	0.00	34.55	46.13	75.16	19.46	30.29	3.95	0.00	0.00	0.00	0.00	16.49	226
1936	Below Normal	11.83	32.10	44.42	61.34	13.15	4.66	5.35	0.00	0.00	0.00	0.00	15.28	188
1937	Below Normal	18.82	35.52	55.51	50.93	2.00	4.28	4.97	5.63	0.00	0.00	0.00	18.50	196
1938	Wet	18.66	50.15	69.71	20.23	1.85	5.88	6.95	8.01	0.00	0.00	0.00	10.40	192
1939	Dry	30.57	52.36	64.14	57.56	2.38	9.76	0.00	0.00	0.00	0.00	0.00	5.26	222
1940	Above Normal	11.46	19.52	9.16	52.93	49.58	54.96	0.00	0.00	0.00	0.00	0.00	11.42	209
1941	Wet	20.24	37.23	57.38	61.52	49.04	5.70	6.09	0.00	0.00	0.00	0.00	9.81	247
1942	Wet	24.02	46.23	60.80	63.07	4.95	5.97	0.00	0.00	0.00	0.00	0.00	13.71	219
1943	Wet	27.87	50.31	64.00	68.34	28.32	6.02	6.79	0.00	0.00	0.00	0.00	7.38	259
1944	Dry	17.50	34.79	49.82	46.55	37.22	52.90	0.00	0.00	0.00	0.00	0.00	11.19	250
1945	Below Normal	13.53	41.66	59.62	64.17	42.51	4.77	0.00	0.00	0.00	0.00	0.00	10.15	236
1946	Below Normal	20.30	42.15	56.08	61.17	0.00	30.79	0.00	0.00	0.00	0.00	0.00	3.31	214
1947	Dry	19.97	39.23	56.06	57.75	46.03	20.93	0.00	0.00	0.00	0.00	0.00	10.77	251
1948	Below Normal	6.64	35.01	26.18	42.96	47.34	26.59	1.19	0.00	0.00	0.00	0.00	10.77	197
1949	Dry	19.95	28.62	52.79	51.41	33.61	25.31	0.00	0.00	0.00	0.00	0.00	10.57	222
1950	Below Normal	15.97	33.01	51.27	52.88	44.84	17.32	4.81	0.00	0.00	0.00	0.00	18.91	239
1951	Above Normal	6.89	52.80	71.09	18.12	1.96	5.81	0.00	0.00	0.00	0.00	0.00	9.46	166
1952	Wet	18.80	37.10	54.02	54.17	57.49	44.79	7.07	1.91	0.00	0.00	0.00	10.96	286
1953	Wet	28.81	54.02	64.94	56.33	30.95	0.00	0.00	0.00	0.00	0.00	0.00	11.96	247
1954	Above Normal	24.42	46.85	58.55	58.71	37.38	5.61	0.00	0.00	0.00	0.00	0.00	9.93	241
1955	Dry	18.75	36.39	54.22	55.18	42.80	26.69	0.00	0.00	0.00	0.00	0.00	2.47	236
1956	Wet	11.39	37.03	64.75	74.76	54.63	6.01	0.00	0.00	0.00	0.00	0.00	14.78	263
1957	Above Normal	30.29	49.18	59.02	34.70	2.82	5.50	0.00	0.00	0.00	0.00	0.00	10.03	192
1958	Wet	22.13	46.89	60.12	60.33	48.80	27.09	6.83	0.00	0.00	0.00	0.00	10.44	283
1959	Below Normal	27.49	52.00	62.55	55.34	35.89	20.23	0.00	0.00	0.00	0.00	0.00	2.98	256
1960	Dry	2.44	19.43	11.63	36.10	32.71	55.79	0.00	0.00	0.00	0.00	0.00	11.84	170
1961	Dry	6.27	40.68	43.03	69.21	63.29	7.70	0.00	0.00	0.00	0.00	0.00	1.35	232
1962	Below Normal	0.00	15.09	41.89	52.33	42.95	49.64	0.00	0.00	0.00	0.00	0.00	10.37	212
1963	Wet	20.16	41.84	56.83	58.25	47.85	5.09	0.00	0.00	0.00	0.00	0.00	9.20	239
1964	Dry	18.82	39.66	53.89	53.43	20.59	20.96	0.00	0.00	0.00	0.00	0.00	13.66	221
1965	Wet	9.17	43.66	62.01	74.40	41.15	4.56	0.00	0.00	0.00	0.00	0.00	10.74	246
1966	Below Normal	22.54	46.49	60.67	63.00	36.43	5.79	0.00	0.00	0.00	0.00	0.00	10.17	245
1967	Wet	19.25	27.60	54.96	56.64	49.71	49.05	6.25	0.00	0.00	0.00	0.00	11.15	275
1968	Below Normal	29.39	65.77	67.14	36.24	3.76	5.84	0.00	0.00	0.00	0.00	0.00	3.45	212
1969	Wet	12.12	36.73	54.22	61.16	57.70	27.21	7.09	8.19	0.00	0.00	0.00	10.80	275
1970	Wet	28.44	54.70	66.84	33.20	3.74	5.39	0.00	0.00	0.00	0.00	0.00	10.03	202
1971	Wet	18.70	37.45	55.02	55.54	27.04	43.41	0.00	0.00	0.00	0.00	0.00	10.22	247
1972	Below Normal	19.86	38.41	54.13	55.00	42.22	5.34	0.00	0.00	0.00	0.00	0.00	11.03	226
1973	Above Normal	21.17	46.43	60.74	62.60	47.97	44.26	0.00	0.00	0.00	0.00	0.00	11.24	294
1974	Wet	22.20	45.96	58.17	65.04	47.69	6.33	1.99	0.00	0.00	0.00	0.00	10.27	258
1975	Wet	26.13	47.08	58.88	57.64	41.86	30.01	0.00	0.00	0.00	0.00	0.00	13.87	275
1976	Critical	28.41	50.06	63.79	63.57	36.05	4.81	0.00	0.00	0.00	0.00	0.00	0.00	247
1977	Critical	5.49	25.22	4.06	36.95	0.00	0.00	0.00	0.00	0.00	5.09	0.00	2.18	79
1978	Above Normal	12.86	13.79	37.89	77.25	81.88	48.46	6.69	0.00	0.00	0.00	0.00	7.37	286
1979	Below Normal	19.26	42.49	49.47	47.43	35.86	5.65	0.00	0.00	0.00	0.00	0.00	10.92	211
1980	Above Normal	21.11	45.52	57.16	63.99	24.54	5.98	6.76	0.00	0.00	0.00	0.00	12.03	237
1981	Dry	26.61	46.95	57.39	55.67	40.27	8.96	0.00	0.00	0.00	0.00	0.00	9.67	246
1982	Wet	2.64	37.05	54.39	54.31	54.22	51.57	6.69	3.68	0.00	0.00	0.00	10.27	275
1983	Wet	31.54	63.14	71.48	63.80	4.30	6.02	6.82	7.97	0.00	0.00	0.00	27.56	283
1984	Wet	58.97	72.47	15.07	6.01	3.71	5.93	0.00	0.00	0.00	0.00	0.00	10.02	172
1985	Dry	19.11	39.59	55.60	55.84	42.34	16.61	0.00	0.00	0.00	0.00	0.00	10.23	239
1986	Wet	17.59	36.12	54.11	55.55	58.15	6.26	6.03	6.04	0.00	0.00	0.00	17.33	257
1987	Dry	30.43	50.51	62.37	16.59	2.48	4.32	0.00	0.00	0.00	0.00	0.00	2.05	169
1988	Critical	17.33	34.36	55.61	59.91	0.51	0.00	0.00	0.00	0.00	0.00	0.00	1.92	170
1989	Dry	6.32	14.96	24.13	64.38	0.00	62.62	0.00	0.00	0.00	0.00	0.00	10.46	183
1990	Critical	8.70	34.87	31.05	57.29	13.25	19.25	0.00	0.00	0.00	0.00	0.00	0.00	164
1991	Critical	11.33	24.94	22.06	19.71	14.20	60.89	0.00	0.00	0.00	0.00	0.00	9.09	162
1992	Critical	15.14	27.61	23.98	27.02	65.35	17.49	0.00	0.00	0.00	0.00	0.00	2.34	179
1993	Above Normal	5.18	8.38	33.85	58.97	57.61	50.85	20.52	0.00	0.00	0.00	0.00	11.40	247
1994	Critical	22.30	41.65	53.87	52.27	23.39	4.72	0.00	0.00	0.00	0.00	0.00	14.58	213
1995	Wet	0.00	19.97	47.40	51.45	50.27	66.31	15.30	7.81	0.00	0.00	0.00	11.06	270
1996	Wet	29.11	54.79	67.82	36.43	3.74	6.05	0.00	0.00	0.00	0.00	0.00	9.52	207
1997	Wet	20.44	44.12	59.74	60.55	54.56	6.07	0.00	0.00	0.00	0.00	0.00	7.75	253
1998	Wet	15.03	45.30	57.23	59.32	51.40	6.06	7.01	0.00	0.00	0.00	0.00	11.31	253
1999	Wet	29.72	56.41	71.14	40.43	3.68	5.71	0.00	0.00	0.00	0.00	0.00	11.04	218
2000	Above Normal	22.03	45.67	56.16	56.26	49.39	6.07	0.00	0.00	0.00	0.00	0.00	9.20	245
2001	Dry	18.26	35.68	46.99	51.44	40.93	59.57	0.00	0.00	0.00	0.00	0.00	0.00	253
2002	Dry	18.13	30.56	59.30	68.38	0.00	48.19	0.00	0.00	0.00	0.00	0.00	10.52	235
2003	Above Normal	10.45	26.28	46.30	51.84	25.76	4.57	0.00	0.00	0.00	0.00	0.00	11.10	176
Average		18	38	52	54	31	18	2	1	0	0	0	10	224
Wet		21	45	59	55	36	17	3	2	0	0	0	12	249
Above Normal		17	36	49	53	39	22	3	0	0	0	0	10	229
Below Normal		16	40	52	56	27	15	1	0	0	0	0	11	220
Dry		17	33	52	58	33								

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Energy Use (GWh) At Pumping Plant at CVP San Luis: CP2_2020

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	18.45	34.28	49.00	46.74	39.55	10.63	6.40	0.00	0.00	0.00	0.00	11.45	216
1923	Below Normal	26.13	46.05	57.59	62.02	10.83	5.12	0.00	0.00	0.00	0.00	0.00	12.08	220
1924	Critical	23.35	39.89	31.75	52.93	16.92	0.00	0.00	0.00	0.00	0.00	0.00	12.95	178
1925	Dry	21.16	4.64	74.53	60.62	0.88	4.24	5.39	0.00	0.00	0.00	0.00	15.99	187
1926	Dry	16.42	38.54	49.60	63.70	55.31	11.64	5.04	0.00	0.00	0.00	0.00	0.00	240
1927	Wet	4.14	41.37	62.41	71.54	50.87	5.72	0.00	0.00	0.00	0.00	0.00	10.51	247
1928	Above Normal	20.35	42.00	55.79	56.07	36.31	4.58	0.00	0.00	0.00	0.00	0.00	9.84	225
1929	Critical	19.99	40.10	53.75	52.45	31.19	0.00	0.00	0.00	0.00	0.00	0.00	3.83	201
1930	Dry	9.50	19.75	61.39	73.53	61.77	4.62	0.00	0.00	0.00	0.00	0.00	2.56	233
1931	Critical	3.89	22.81	32.03	59.47	32.67	9.60	0.00	0.00	0.00	0.00	0.00	11.31	172
1932	Dry	17.26	27.16	69.88	53.91	0.92	0.00	0.00	0.00	0.00	0.00	0.00	36.51	206
1933	Critical	32.73	43.35	23.88	2.08	1.21	0.00	0.00	0.00	0.00	0.00	0.00	16.44	120
1934	Critical	23.65	18.39	51.58	21.51	0.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	116
1935	Below Normal	0.00	35.71	47.19	76.28	20.29	24.01	3.80	0.00	0.00	0.00	0.00	16.50	224
1936	Below Normal	11.83	32.12	44.76	61.38	12.67	4.62	5.30	0.00	0.00	0.00	0.00	15.48	188
1937	Below Normal	19.05	35.90	55.74	48.06	1.99	4.26	4.96	5.61	0.00	0.00	0.00	19.18	195
1938	Wet	20.33	50.77	70.94	13.14	1.83	5.91	6.95	8.01	0.00	0.00	0.00	10.41	188
1939	Dry	27.47	52.21	63.93	57.36	2.36	13.69	0.00	0.00	0.00	0.00	0.00	11.58	229
1940	Above Normal	9.03	14.92	7.53	49.97	45.32	55.15	0.00	0.00	0.00	0.00	0.00	11.82	194
1941	Wet	20.61	37.78	57.89	62.17	44.78	5.64	6.03	0.00	0.00	0.00	0.00	9.74	245
1942	Wet	24.03	46.31	61.01	63.34	4.96	5.97	0.00	0.00	0.00	0.00	0.00	13.75	219
1943	Wet	37.15	51.07	65.03	69.28	15.91	6.02	6.79	0.00	0.00	0.00	0.00	7.37	259
1944	Dry	17.48	34.73	49.81	46.57	36.84	48.79	0.00	0.00	0.00	0.00	0.00	10.62	245
1945	Below Normal	12.12	40.74	58.25	61.49	52.92	4.82	0.00	0.00	0.00	0.00	0.00	10.09	240
1946	Below Normal	20.25	42.24	56.07	61.14	0.00	42.23	0.00	0.00	0.00	0.00	0.00	3.10	225
1947	Dry	20.89	45.64	56.59	57.88	45.20	4.52	0.00	0.00	0.00	0.00	0.00	10.55	241
1948	Below Normal	6.25	36.48	26.66	34.89	46.42	25.82	0.35	0.00	0.00	0.00	0.00	10.38	187
1949	Dry	19.86	27.30	48.89	50.26	32.51	33.30	0.00	0.00	0.00	0.00	0.00	10.60	223
1950	Below Normal	14.73	33.94	51.71	52.85	44.84	18.41	2.43	0.00	0.00	0.00	0.00	17.63	237
1951	Above Normal	23.66	53.01	70.46	3.24	2.07	5.81	0.00	0.00	0.00	0.00	0.00	9.51	168
1952	Wet	19.12	39.00	54.74	55.03	58.44	37.79	7.07	1.91	0.00	0.00	0.00	10.96	284
1953	Wet	28.81	54.02	64.94	56.33	30.94	0.00	0.00	0.00	0.00	0.00	0.00	12.17	247
1954	Above Normal	24.95	47.03	58.83	58.98	37.51	5.62	0.00	0.00	0.00	0.00	0.00	9.90	243
1955	Dry	18.79	37.21	54.42	55.43	43.15	1.13	0.00	0.00	0.00	0.00	0.00	0.00	210
1956	Wet	10.38	34.55	62.09	69.94	61.44	6.01	0.00	0.00	0.00	0.00	0.00	14.77	259
1957	Above Normal	28.48	49.02	58.82	37.02	2.81	5.49	0.00	0.00	0.00	0.00	0.00	9.96	192
1958	Wet	22.29	46.91	60.06	60.27	48.78	27.41	6.83	0.00	0.00	0.00	0.00	10.43	283
1959	Below Normal	27.48	51.97	62.53	55.34	35.89	20.22	0.00	0.00	0.00	0.00	0.00	3.21	257
1960	Dry	6.27	35.17	4.06	49.03	40.67	56.34	0.00	0.00	0.00	0.00	0.00	12.61	204
1961	Dry	5.96	40.54	49.38	66.69	56.69	0.00	0.00	0.00	0.00	0.00	0.00	10.37	230
1962	Below Normal	5.57	28.24	44.12	47.04	41.03	49.43	0.00	0.00	0.00	0.00	0.00	10.67	226
1963	Wet	20.79	46.03	57.71	58.99	54.69	7.96	0.00	0.00	0.00	0.00	0.00	9.25	255
1964	Dry	18.99	40.42	54.12	52.89	20.13	16.81	0.00	0.00	0.00	0.00	0.00	12.72	216
1965	Wet	8.12	42.43	59.73	69.77	53.66	5.14	0.00	0.00	0.00	0.00	0.00	9.83	249
1966	Below Normal	20.74	45.13	58.19	59.47	44.78	24.86	0.00	0.00	0.00	0.00	0.00	10.17	263
1967	Wet	19.11	30.27	54.80	55.99	49.22	43.34	6.25	0.00	0.00	0.00	0.00	11.21	270
1968	Below Normal	29.60	66.03	67.14	36.24	3.76	5.84	0.00	0.00	0.00	0.00	0.00	3.72	212
1969	Wet	13.59	35.92	54.02	60.42	57.11	28.08	7.09	8.19	0.00	0.00	0.00	10.85	275
1970	Wet	28.61	55.11	67.12	33.20	3.74	5.84	0.00	0.00	0.00	0.00	0.00	9.13	203
1971	Wet	18.05	36.90	53.93	53.43	36.83	43.64	0.00	0.00	0.00	0.00	0.00	10.23	253
1972	Below Normal	19.98	39.00	54.33	54.72	41.67	5.25	0.00	0.00	0.00	0.00	0.00	11.19	226
1973	Above Normal	20.86	46.46	60.52	62.60	48.32	36.37	0.00	0.00	0.00	0.00	0.00	11.24	286
1974	Wet	22.08	45.86	57.99	64.82	47.61	6.32	1.99	0.00	0.00	0.00	0.00	10.27	257
1975	Wet	28.59	47.21	59.07	57.83	41.99	26.57	0.00	0.00	0.00	0.00	0.00	13.89	275
1976	Critical	28.42	50.08	63.83	63.61	36.07	4.79	0.00	0.00	0.00	0.00	0.00	0.00	247
1977	Critical	10.97	38.21	31.41	39.00	45.31	0.00	0.00	0.00	0.00	0.00	0.00	0.77	166
1978	Above Normal	0.00	17.22	41.74	82.19	83.60	25.44	6.69	0.00	0.00	0.00	0.00	7.33	264
1979	Below Normal	18.94	38.97	49.01	46.91	35.63	5.80	0.00	0.00	0.00	0.00	0.00	9.67	205
1980	Above Normal	19.41	40.60	55.08	60.64	50.52	5.97	6.76	0.00	0.00	0.00	0.00	12.01	251
1981	Dry	26.53	46.79	57.14	55.40	40.08	8.94	0.00	0.00	0.00	0.00	0.00	9.67	245
1982	Wet	6.10	37.87	54.63	54.57	54.49	44.69	6.69	3.68	0.00	0.00	0.00	10.25	273
1983	Wet	31.50	63.06	71.43	63.80	4.30	6.02	6.82	7.97	0.00	0.00	0.00	27.56	282
1984	Wet	58.97	72.47	15.09	6.01	3.71	5.93	0.00	0.00	0.00	0.00	0.00	10.02	172
1985	Dry	19.03	38.94	55.40	55.59	42.14	38.55	0.00	0.00	0.00	0.00	0.00	9.54	259
1986	Wet	17.06	35.20	53.33	54.14	55.95	22.19	6.74	0.00	0.00	0.00	0.00	12.99	258
1987	Dry	27.48	47.22	57.36	51.20	2.75	4.13	0.00	0.00	0.00	0.00	0.00	5.63	196
1988	Critical	10.32	34.42	55.49	59.73	5.99	0.00	0.00	0.00	0.00	0.00	0.00	1.57	168
1989	Dry	6.08	14.07	43.79	64.84	9.42	64.58	0.00	0.00	0.00	0.00	0.00	10.42	213
1990	Critical	9.28	35.49	32.05	56.24	14.78	19.20	0.00	0.00	0.00	0.00	0.00	0.00	167
1991	Critical	11.33	24.95	21.88	21.37	14.78	61.07	0.00	0.00	0.00	0.00	0.00	8.90	164
1992	Critical	14.75	27.50	23.87	26.82	64.83	15.48	0.00	0.00	0.00	0.00	0.00	2.33	176
1993	Above Normal	5.10	7.14	36.61	59.63	58.45	50.89	20.33	0.00	0.00	0.00	0.00	11.30	249
1994	Critical	22.20	41.58	53.76	52.01	23.79	4.70	0.00	0.00	0.00	0.00	0.00	14.10	212
1995	Wet	10.75	19.91	42.47	50.01	48.51	64.56	17.69	7.64	0.00	0.00	0.00	10.67	272
1996	Wet	27.99	52.55	65.72	36.07	3.74	6.05	0.00	0.00	0.00	0.00	0.00	9.57	202
1997	Wet	20.58	44.18	59.86	60.68	51.65	6.07	0.00	0.00	0.00	0.00	0.00	8.26	251
1998	Wet	15.06	45.33	57.19	59.21	50.13	6.06	7.01	0.00	0.00	0.00	0.00	11.31	251
1999	Wet	29.71	56.41	71.14	40.43	3.68	5.71	0.00	0.00	0.00	0.00	0.00	11.01	218
2000	Above Normal	21.93	45.62	56.08	55.56	48.22	6.05	0.00	0.00	0.00	0.00	0.00	9.20	243
2001	Dry	18.25	35.51	47.51	51.44	40.93	56.57	0.00	0.00	0.00	0.00	0.00	0.00	250
2002	Dry	15.66	31.63	57.57	64.65	8.64	46.74	0.00	0.00	0.00	0.00	0.00	10.06	235
2003	Above Normal	18.23	33.84	52.91	53.01	11.96	29.60	0.00	0.00	0.00	0.00	0.00	10.17	210
Average		19	39	52	53	32	18	2	1	0	0	0	10	225
Wet		22	45	58	54	36	17	4	1	0	0	0	11	248
Above Normal		18	36	50	52	39	20	3	0	0	0	0	10	228
Below Normal		17	41	52	54	28	17	1	0	0	0	0	11	222
Dry		17	34	53	57</									

Difference in Energy Use (GWh) At Pumping Plant at CVP San Luis: CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	1	0	0	0	0	0	0	0	0	0	0	2	0
1924	Critical	2	-1	-4	3	17	0	0	0	0	0	0	13	3
1925	Dry	14	-1	4	-23	-77	-9	0	0	0	0	0	-1	-8
1926	Dry	-2	-1	-1	-3	0	7	0	0	0	0	0	0	0
1927	Wet	2	3	1	1	-15	-5	0	0	0	0	0	0	-1
1928	Above Norma	1	4	1	1	-10	-13	0	0	0	0	0	-1	-2
1929	Critical	-1	0	-1	-2	-3	0	0	0	0	0	0	0	-1
1930	Dry	0	0	0	-1	8	0	0	0	0	0	0	-3	0
1931	Critical	-4	1	1	0	33	-1	0	0	0	0	0	1	2
1932	Dry	2	6	2	-30	-4	0	0	0	0	0	0	0	-2
1933	Critical	0	1	-2	0	0	0	0	0	0	0	0	6	0
1934	Critical	1	3	0	-11	0	0	0	0	0	0	0	0	-1
1935	Below Norma	0	1	1	1	1	-6	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	0	0	-3	0	0	0	0	0	0	0	1	0
1938	Wet	2	1	1	-7	0	0	0	0	0	0	0	0	0
1939	Dry	-3	0	0	0	0	4	0	0	0	0	0	6	1
1940	Above Norma	-2	-5	-2	-3	-4	0	0	0	0	0	0	0	-1
1941	Wet	0	1	1	1	-4	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	9	1	1	1	-12	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	-4	0	0	0	0	0	-1	0
1945	Below Norma	-1	-1	-1	-3	10	0	0	0	0	0	0	0	0
1946	Below Norma	0	0	0	0	0	11	0	0	0	0	0	0	1
1947	Dry	1	6	1	0	-1	-16	0	0	0	0	0	0	-1
1948	Below Norma	0	1	0	-8	-1	-1	-1	0	0	0	0	0	-1
1949	Dry	0	-1	-4	-1	-1	8	0	0	0	0	0	0	0
1950	Below Norma	-1	1	0	0	0	1	-2	0	0	0	0	-1	0
1951	Above Norma	17	0	-1	-15	0	0	0	0	0	0	0	0	0
1952	Wet	0	2	1	1	1	-7	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	1	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	1	0	0	0	-26	0	0	0	0	0	-2	-2
1956	Wet	-1	-2	-3	-5	7	0	0	0	0	0	0	0	0
1957	Above Norma	-2	0	0	2	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	4	16	-8	13	8	1	0	0	0	0	0	1	3
1961	Dry	0	0	6	-3	-7	-8	0	0	0	0	0	9	0
1962	Below Norma	6	13	2	-5	-2	0	0	0	0	0	0	0	1
1963	Wet	1	4	1	1	7	3	0	0	0	0	0	0	1
1964	Dry	0	1	0	-1	0	-4	0	0	0	0	0	-1	0
1965	Wet	-1	-1	-2	-5	13	1	0	0	0	0	0	-1	0
1966	Below Norma	-2	-1	-2	-4	8	19	0	0	0	0	0	0	2
1967	Wet	0	3	0	-1	0	-6	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	1	-1	0	-1	-1	1	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	-1	0
1971	Wet	-1	-1	-1	-2	10	0	0	0	0	0	0	0	0
1972	Below Norma	0	1	0	0	-1	0	0	0	0	0	0	0	0
1973	Above Norma	0	0	0	0	0	-8	0	0	0	0	0	0	-1
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	2	0	0	0	0	-3	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	5	13	27	2	45	0	0	0	0	-5	0	-1	7
1978	Above Norma	-13	3	4	5	2	-23	0	0	0	0	0	0	-2
1979	Below Norma	0	-4	0	-1	0	0	0	0	0	0	0	-1	-1
1980	Above Norma	-2	-5	-2	-3	26	0	0	0	0	0	0	0	1
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	3	1	0	0	0	-7	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	-1	0	0	0	22	0	0	0	0	0	-1	2
1986	Wet	-1	-1	-1	-1	-2	16	1	-6	0	0	0	-4	0
1987	Dry	-3	-3	-5	35	0	0	0	0	0	0	0	4	2
1988	Critical	-7	0	0	0	5	0	0	0	0	0	0	0	0
1989	Dry	0	-1	20	0	9	2	0	0	0	0	0	0	3
1990	Critical	1	1	1	-1	2	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	2	1	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	-1	-2	0	0	0	0	0	0	0
1993	Above Norma	0	-1	3	1	1	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	11	0	-5	-1	-2	-2	2	0	0	0	0	0	0
1996	Wet	-1	-2	-2	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	-3	0	0	0	0	0	0	1	0
1998	Wet	0	0	0	0	-1	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	-1	-1	0	0	0	0	0	0	0	0
2001	Dry	0	0	1	0	0	-3	0	0	0	0	0	0	0
2002	Dry	-2	1	-2	-4	9	-1	0	0	0	0	0	0	0
2003	Above Norma	8	8	7	1	-14	25	0	0	0	0	0	-1	3
Average		1	1	0	-1	1	0	0	0	0	0	0	0	0
Wet		1	0	0	-1	0	0	0	0	0	0	0	0	0
Above Norma		1	0	1	-1	0	-2	0	0	0	0	0	0	0
Below Norma		0	1	0	-2	1	2	0	0	0	0	0	0	0
Dry		0	1	1	-1	-3	-2	0	0	0	0	0	1	0
Critical		0	1	2	-1	8	0	0	0	0	0	0	1	1

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at CVP San Luis: CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	0%	-1%	0%	0%	-	-	-	-	1%
1923	Below Norma	6%	0%	1%	1%	1%	-6%	-	-	-	-	-	18%
1924	Critical	11%	-1%	-12%	6%	-	-	-	-	-	-	-	-
1925	Dry	178%	-23%	6%	-27%	-99%	-69%	1%	-	-	-	-	-7%
1926	Dry	-10%	-2%	-2%	-5%	0%	148%	0%	-	-	-	-	-
1927	Wet	111%	8%	1%	1%	-23%	-48%	-	-	-	-	-	4%
1928	Above Norma	5%	9%	2%	1%	-22%	-74%	-	-	-	-	-	-13%
1929	Critical	-5%	0%	-2%	-3%	-10%	-	-	-	-	-	-	-3%
1930	Dry	-2%	-2%	-1%	-1%	15%	0%	-	-	-	-	-	-52%
1931	Critical	-52%	3%	2%	0%	-	-7%	-	-	-	-	-	9%
1932	Dry	11%	27%	3%	-36%	-79%	-	-	-	-	-	-	1%
1933	Critical	2%	2%	-9%	1%	0%	-	-	-	-	-	-	61%
1934	Critical	4%	16%	1%	-35%	0%	-	-	-	-	-	-	-
1935	Below Norma	3%	3%	2%	1%	4%	-21%	-4%	-	-	-	-	0%
1936	Below Norma	0%	0%	1%	0%	-4%	-1%	-1%	-	-	-	-	1%
1937	Below Norma	1%	1%	0%	-6%	-1%	0%	0%	0%	-	-	-	4%
1938	Wet	9%	1%	2%	-35%	-1%	0%	0%	0%	-	-	-	0%
1939	Dry	-10%	0%	0%	0%	-1%	40%	-	-	-	-	-	120%
1940	Above Norma	-21%	-24%	-18%	-6%	-9%	0%	-	-	-	-	-	4%
1941	Wet	2%	1%	1%	1%	-9%	-1%	-1%	-	-	-	-	-1%
1942	Wet	0%	0%	0%	0%	0%	0%	0%	-	-	-	-	0%
1943	Wet	33%	2%	2%	1%	-44%	0%	0%	-	-	-	-	0%
1944	Dry	0%	0%	0%	0%	-1%	-8%	-	-	-	-	-	-5%
1945	Below Norma	-10%	-2%	-2%	-4%	25%	1%	-	-	-	-	-	-1%
1946	Below Norma	0%	0%	0%	0%	-	37%	-	-	-	-	-	-6%
1947	Dry	5%	16%	1%	0%	-2%	-78%	-	-	-	-	-	-2%
1948	Below Norma	-6%	4%	2%	-19%	-2%	-3%	-71%	-	-	-	-	-4%
1949	Dry	0%	-5%	-7%	-2%	0%	-3%	32%	-	-	-	-	0%
1950	Below Norma	-8%	3%	1%	0%	0%	6%	-49%	-	-	-	-	-7%
1951	Above Norma	243%	0%	-1%	-82%	6%	0%	-	-	-	-	-	1%
1952	Wet	2%	5%	1%	2%	2%	-16%	0%	0%	-	-	-	0%
1953	Wet	0%	0%	0%	0%	0%	-	-	-	-	-	-	2%
1954	Above Norma	2%	0%	0%	0%	0%	0%	-	-	-	-	-	0%
1955	Dry	0%	2%	0%	0%	1%	-96%	-	-	-	-	-	-100%
1956	Wet	-9%	-7%	-4%	-6%	12%	0%	-	-	-	-	-	0%
1957	Above Norma	-6%	0%	0%	7%	0%	0%	-	-	-	-	-	-1%
1958	Wet	1%	0%	0%	0%	0%	1%	0%	-	-	-	-	0%
1959	Below Norma	0%	0%	0%	0%	0%	0%	-	-	-	-	-	8%
1960	Dry	157%	81%	-65%	36%	24%	1%	-	-	-	-	-	6%
1961	Dry	-5%	0%	15%	-4%	-10%	-100%	-	-	-	-	-	670%
1962	Below Norma	-	87%	5%	-10%	-4%	0%	-	-	-	-	-	3%
1963	Wet	3%	10%	2%	1%	14%	56%	-	-	-	-	-	1%
1964	Dry	1%	2%	0%	-1%	-2%	-20%	-	-	-	-	-	-7%
1965	Wet	-11%	-3%	-4%	-6%	30%	13%	-	-	-	-	-	-9%
1966	Below Norma	-8%	-3%	-4%	-6%	23%	329%	-	-	-	-	-	0%
1967	Wet	-1%	10%	0%	-1%	-1%	-12%	0%	-	-	-	-	1%
1968	Below Norma	1%	0%	0%	0%	0%	0%	-	-	-	-	-	8%
1969	Wet	12%	-2%	0%	-1%	-1%	3%	0%	0%	-	-	-	0%
1970	Wet	1%	1%	0%	0%	0%	8%	-	-	-	-	-	-9%
1971	Wet	-3%	-1%	-2%	-4%	36%	1%	-	-	-	-	-	0%
1972	Below Norma	1%	2%	0%	-1%	-1%	-2%	-	-	-	-	-	1%
1973	Above Norma	-1%	0%	0%	0%	1%	-18%	-	-	-	-	-	0%
1974	Wet	-1%	0%	0%	0%	0%	0%	0%	-	-	-	-	0%
1975	Wet	9%	0%	0%	0%	0%	-11%	-	-	-	-	-	0%
1976	Critical	0%	0%	0%	0%	0%	0%	-	-	-	-	-	-
1977	Critical	100%	52%	673%	6%	-	-	-	-	-	-100%	-	-65%
1978	Above Norma	-100%	25%	10%	6%	2%	-48%	0%	-	-	-	-	-1%
1979	Below Norma	-2%	-8%	-1%	-1%	-1%	3%	-	-	-	-	-	-11%
1980	Above Norma	-8%	-11%	-4%	-5%	106%	0%	0%	-	-	-	-	0%
1981	Dry	0%	0%	0%	0%	0%	0%	-	-	-	-	-	0%
1982	Wet	131%	2%	0%	0%	0%	-13%	0%	0%	-	-	-	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	-	-	-	0%
1984	Wet	0%	0%	0%	0%	0%	0%	-	-	-	-	-	0%
1985	Dry	0%	-2%	0%	0%	0%	132%	-	-	-	-	-	-7%
1986	Wet	-3%	-3%	-1%	-3%	-4%	255%	12%	-100%	-	-	-	-25%
1987	Dry	-10%	-7%	-8%	209%	11%	-4%	-	-	-	-	-	174%
1988	Critical	-40%	0%	0%	0%	1080%	-	-	-	-	-	-	-18%
1989	Dry	-4%	-6%	81%	1%	-	3%	-	-	-	-	-	0%
1990	Critical	7%	2%	3%	-2%	12%	0%	-	-	-	-	-	-
1991	Critical	0%	0%	-1%	8%	4%	0%	-	-	-	-	-	-2%
1992	Critical	-3%	0%	0%	-1%	-1%	-12%	-	-	-	-	-	-1%
1993	Above Norma	-1%	-15%	8%	1%	1%	0%	-1%	-	-	-	-	-1%
1994	Critical	0%	0%	0%	0%	2%	-1%	-	-	-	-	-	-3%
1995	Wet	-	0%	-10%	-3%	-3%	-3%	16%	-2%	-	-	-	-3%
1996	Wet	-4%	-4%	-3%	-1%	0%	0%	-	-	-	-	-	0%
1997	Wet	1%	0%	0%	0%	-5%	0%	-	-	-	-	-	7%
1998	Wet	0%	0%	0%	0%	-2%	0%	0%	-	-	-	-	0%
1999	Wet	0%	0%	0%	0%	0%	0%	-	-	-	-	-	0%
2000	Above Norma	0%	0%	0%	-1%	-2%	0%	-	-	-	-	-	0%
2001	Dry	0%	0%	1%	0%	0%	-5%	-	-	-	-	-	-
2002	Dry	-14%	4%	-3%	-5%	-	-3%	-	-	-	-	-	-4%
2003	Above Norma	74%	29%	14%	2%	-54%	547%	-	-	-	-	-	-8%
Average		10%	3%	8%	0%	13%	13%	-4%	-13%	#DIV/0!	-100%	#DIV/0!	10%
Wet		11%	1%	-1%	-2%	0%	9%	1%	-4%	0%	0%	0%	-1%
Above Norma		16%	1%	1%	-6%	2%	34%	0%	0%	0%	0%	0%	-2%
Below Norma		-2%	6%	0%	-3%	3%	25%	-9%	0%	0%	0%	0%	1%
Dry		16%	5%	1%	9%	-8%	-2%	0%	0%	0%	0%	0%	44%
Critical		2%	6%	55%	-2%	91%	-2%	0%	0%	0%	-8%	0%	-2%

Energy Use (GWh) At Pumping Plant at DMC Intertie: CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	0.55	0.85	0.97	0.96	0.81	0.00	0.00	0.00	0.00	0.03	0.15	0.31	5
1923	Below Normal	0.63	0.87	0.98	0.97	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.34	4
1924	Critical	0.67	0.88	0.00	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3
1925	Dry	0.00	0.00	1.02	1.01	0.89	0.00	0.00	0.00	0.00	0.00	0.00	0.50	3
1926	Dry	0.00	0.00	0.00	0.99	0.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1
1927	Wet	0.00	0.95	1.01	1.00	0.88	0.00	0.00	0.00	0.00	0.00	0.00	0.34	4
1928	Above Normal	0.68	0.88	0.98	0.97	0.87	0.00	0.00	0.00	0.00	0.00	0.22	0.35	5
1929	Critical	0.69	0.89	0.99	0.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4
1930	Dry	0.00	0.00	1.01	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2
1931	Critical	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1
1932	Dry	0.00	0.00	1.02	1.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.82	3
1933	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1934	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1935	Below Normal	0.00	0.00	0.00	1.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.61	2
1936	Below Normal	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.46	1
1937	Below Normal	0.00	0.00	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.59	2
1938	Wet	0.00	0.93	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.28	2
1939	Dry	0.89	0.85	0.97	0.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4
1940	Above Normal	0.00	0.00	0.00	0.98	0.89	0.85	0.00	0.00	0.00	0.00	0.24	0.36	3
1941	Wet	0.72	0.90	0.99	0.98	0.00	0.00	0.00	0.00	0.00	0.02	0.14	0.31	4
1942	Wet	0.62	0.87	0.98	0.97	0.00	0.00	0.00	0.00	0.00	0.05	0.17	0.32	4
1943	Wet	0.64	0.87	0.98	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.29	4
1944	Dry	0.59	0.86	0.98	0.96	0.85	0.87	0.00	0.00	0.00	0.00	0.00	0.00	5
1945	Below Normal	0.00	0.92	1.00	0.99	0.00	0.00	0.00	0.00	0.00	0.08	0.19	0.33	4
1946	Below Normal	0.66	0.88	0.98	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00	4
1947	Dry	0.72	0.90	0.99	0.98	0.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4
1948	Below Normal	0.00	0.46	0.00	0.00	0.89	0.00	0.00	0.00	0.00	0.12	0.00	0.35	2
1949	Dry	0.55	0.00	0.99	0.98	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.35	3
1950	Below Normal	0.00	0.71	0.77	0.98	0.84	0.00	0.00	0.00	0.00	0.00	0.34	0.56	4
1951	Above Normal	0.00	0.93	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.33	0.28	2
1952	Wet	0.66	0.88	0.98	0.97	0.87	0.00	0.00	0.00	0.00	0.00	0.07	0.28	5
1953	Wet	0.55	0.85	0.97	0.96	0.22	0.00	0.00	0.00	0.00	0.11	0.21	0.34	4
1954	Above Normal	0.69	0.89	0.99	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.34	4
1955	Dry	0.68	0.88	0.98	0.97	0.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4
1956	Wet	0.00	0.76	1.00	0.99	0.00	0.00	0.00	0.00	0.00	0.09	0.19	0.34	3
1957	Above Normal	0.92	0.88	0.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.33	3
1958	Wet	0.66	0.88	0.98	0.97	0.83	0.00	0.00	0.00	0.00	0.00	0.07	0.28	5
1959	Below Normal	0.55	0.85	0.97	0.96	0.81	0.00	0.00	0.00	0.00	0.11	0.00	0.00	4
1960	Dry	0.00	0.00	0.00	0.00	0.00	0.55	0.00	0.00	0.00	0.00	0.00	0.00	1
1961	Dry	0.00	0.95	0.00	1.00	0.87	0.00	0.00	0.00	0.00	0.00	0.24	0.00	3
1962	Below Normal	0.00	0.00	0.00	0.98	0.84	0.85	0.00	0.00	0.00	0.15	0.24	0.21	3
1963	Wet	0.72	0.90	0.99	0.98	0.03	0.00	0.00	0.00	0.00	0.00	0.17	0.33	4
1964	Dry	0.65	0.88	0.98	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.39	4
1965	Wet	0.00	0.92	1.00	0.99	0.00	0.00	0.00	0.00	0.00	0.09	0.19	0.34	4
1966	Below Normal	0.67	0.88	0.98	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.34	4
1967	Wet	0.68	0.00	0.98	0.97	0.84	0.00	0.00	0.00	0.00	0.00	0.07	0.28	4
1968	Below Normal	0.55	0.85	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.00	3
1969	Wet	0.00	0.89	0.98	0.97	0.84	0.00	0.00	0.00	0.00	0.00	0.07	0.28	4
1970	Wet	0.55	0.85	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.34	3
1971	Wet	0.69	0.89	0.99	0.97	0.00	0.83	0.00	0.00	0.00	0.00	0.21	0.35	5
1972	Below Normal	0.69	0.89	0.99	0.97	0.39	0.00	0.00	0.00	0.00	0.00	0.22	0.35	4
1973	Above Normal	0.70	0.89	0.99	0.98	0.84	0.14	0.00	0.00	0.00	0.09	0.19	0.34	5
1974	Wet	0.67	0.88	0.98	0.97	0.84	0.00	0.00	0.00	0.00	0.02	0.14	0.31	5
1975	Wet	0.62	0.87	0.98	0.97	0.83	0.00	0.00	0.00	0.00	0.00	0.20	0.34	5
1976	Critical	0.68	0.88	0.98	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4
1977	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1978	Above Normal	0.00	0.00	0.00	1.01	0.89	0.00	0.00	0.00	0.00	0.00	0.07	0.28	2
1979	Below Normal	0.55	0.85	0.97	0.96	0.81	0.00	0.00	0.00	0.00	0.10	0.00	0.34	5
1980	Above Normal	0.68	0.89	0.98	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.30	4
1981	Dry	0.60	0.86	0.98	0.96	0.82	0.00	0.00	0.00	0.00	0.07	0.18	0.33	5
1982	Wet	0.00	0.88	0.98	0.97	0.83	0.00	0.00	0.00	0.00	0.00	0.07	0.28	4
1983	Wet	0.55	0.85	0.97	0.96	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.28	4
1984	Wet	0.55	0.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.34	2
1985	Dry	0.69	0.89	0.99	0.97	0.78	0.00	0.00	0.00	0.00	0.12	0.21	0.35	5
1986	Wet	0.28	0.89	0.99	0.98	0.84	0.00	0.00	0.00	0.00	0.00	0.24	0.36	5
1987	Dry	0.72	0.90	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3
1988	Critical	0.00	0.87	1.00	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3
1989	Dry	0.00	0.00	0.00	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	2
1990	Critical	0.00	0.93	0.00	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2
1991	Critical	0.00	0.00	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.00	0.00	0.00	1
1992	Critical	0.00	0.00	0.00	0.00	0.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1
1993	Above Normal	0.00	0.00	0.00	0.99	0.86	0.85	0.00	0.00	0.00	0.12	0.00	0.35	3
1994	Critical	0.69	0.89	0.99	0.98	0.00	0.00	0.00	0.00	0.00	0.05	0.16	0.32	4
1995	Wet	0.00	0.00	0.98	0.97	0.83	0.77	0.00	0.00	0.00	0.00	0.07	0.28	4
1996	Wet	0.55	0.85	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.15	0.31	3
1997	Wet	0.63	0.87	0.98	0.97	0.82	0.00	0.00	0.00	0.00	0.00	0.21	0.00	4
1998	Wet	0.00	0.89	0.99	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.28	3
1999	Wet	0.55	0.85	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.34	3
2000	Above Normal	0.68	0.88	0.98	0.97	0.87	0.00	0.00	0.00	0.00	0.00	0.18	0.33	5
2001	Dry	0.65	0.88	0.08	0.97	0.83	0.91	0.00	0.00	0.00	0.00	0.00	0.00	4
2002	Dry	0.00	0.00	1.00	0.99	0.00	0.85	0.00	0.00	0.00	0.11	0.00	0.35	3
2003	Above Normal	0.00	0.00	0.99	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.36	3
Average		0	1	1	1	0	0	0	0	0	0	0	0	3
Wet		0	1	1	1	0	0	0	0	0	0	0	0	4
Above Normal		0	1	1	1	1	0	0	0	0	0	0	0	4
Below Normal		0	1	1	1	0	0	0	0	0	0	0	0	3
Dry		0	0	1	1	0	0	0	0	0	0	0	0	3
Critical		0	0	0	1	0	0	0	0	0	0	0	0	2

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Energy Use (GWh) At Pumping Plant at DMC Intertie: CP2_2020

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	0.55	0.85	0.97	0.96	0.81	0.00	0.00	0.00	0.00	0.03	0.15	0.31	5
1923	Below Normal	0.63	0.87	0.98	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.36	4
1924	Critical	0.72	0.00	0.00	0.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2
1925	Dry	0.00	0.00	1.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.46	1
1926	Dry	0.00	0.00	0.00	0.98	0.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2
1927	Wet	0.00	0.95	1.01	1.00	0.00	0.00	0.00	0.00	0.00	0.10	0.20	0.34	4
1928	Above Normal	0.68	0.88	0.98	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.33	4
1929	Critical	0.66	0.88	0.98	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3
1930	Dry	0.00	0.00	1.01	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2
1931	Critical	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1
1932	Dry	0.00	0.00	1.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.82	2
1933	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1934	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1935	Below Normal	0.00	0.00	0.00	1.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.61	2
1936	Below Normal	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	1
1937	Below Normal	0.00	0.00	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	2
1938	Wet	0.00	0.93	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.28	2
1939	Dry	0.55	0.85	0.97	0.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.36	4
1940	Above Normal	0.00	0.00	0.00	0.98	0.88	0.86	0.00	0.00	0.00	0.00	0.25	0.37	3
1941	Wet	0.73	0.90	0.99	0.98	0.00	0.00	0.00	0.00	0.00	0.02	0.14	0.31	4
1942	Wet	0.62	0.87	0.98	0.97	0.00	0.00	0.00	0.00	0.00	0.05	0.17	0.32	4
1943	Wet	0.91	0.87	0.98	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.29	4
1944	Dry	0.59	0.86	0.98	0.96	0.85	0.85	0.00	0.00	0.00	0.00	0.00	0.00	5
1945	Below Normal	0.00	0.91	0.99	0.98	0.00	0.00	0.00	0.00	0.00	0.08	0.19	0.33	3
1946	Below Normal	0.66	0.88	0.98	0.97	0.00	0.50	0.00	0.00	0.00	0.13	0.22	0.00	4
1947	Dry	0.70	0.89	0.99	0.98	0.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4
1948	Below Normal	0.00	0.56	0.00	0.00	0.89	0.00	0.00	0.00	0.00	0.11	0.21	0.34	2
1949	Dry	0.69	0.00	0.99	0.97	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.35	3
1950	Below Normal	0.00	0.87	0.85	0.98	0.84	0.00	0.00	0.00	0.00	0.00	0.32	0.51	4
1951	Above Normal	0.00	0.92	0.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.33	2
1952	Wet	0.66	0.88	0.98	0.97	0.87	0.00	0.00	0.00	0.00	0.00	0.07	0.28	5
1953	Wet	0.55	0.85	0.97	0.96	0.21	0.00	0.00	0.00	0.00	0.11	0.21	0.34	4
1954	Above Normal	0.69	0.89	0.99	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.34	4
1955	Dry	0.68	0.88	0.98	0.97	0.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4
1956	Wet	0.00	0.80	0.99	0.99	0.00	0.00	0.00	0.00	0.00	0.09	0.19	0.34	3
1957	Above Normal	0.67	0.88	0.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.33	3
1958	Wet	0.66	0.88	0.98	0.97	0.83	0.00	0.00	0.00	0.00	0.00	0.07	0.28	5
1959	Below Normal	0.55	0.85	0.97	0.96	0.81	0.00	0.00	0.00	0.00	0.11	0.00	0.00	4
1960	Dry	0.00	0.89	0.00	0.97	0.73	0.55	0.00	0.00	0.00	0.00	0.00	0.00	3
1961	Dry	0.00	0.94	0.00	1.00	0.38	0.00	0.00	0.00	0.00	0.12	0.21	0.35	3
1962	Below Normal	0.00	0.00	0.00	0.30	0.84	0.84	0.00	0.00	0.00	0.00	0.22	0.35	3
1963	Wet	0.70	0.89	0.99	0.98	0.84	0.00	0.00	0.00	0.00	0.00	0.17	0.33	5
1964	Dry	0.65	0.88	0.98	0.97	0.00	0.00	0.00	0.00	0.00	0.20	0.00	0.42	4
1965	Wet	0.00	0.91	0.99	0.98	0.00	0.00	0.00	0.00	0.00	0.06	0.17	0.33	3
1966	Below Normal	0.65	0.88	0.98	0.97	0.83	0.00	0.00	0.00	0.00	0.00	0.20	0.34	5
1967	Wet	0.68	0.00	0.98	0.97	0.84	0.00	0.00	0.00	0.00	0.00	0.07	0.28	4
1968	Below Normal	0.55	0.85	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	3
1969	Wet	0.00	0.89	0.98	0.97	0.84	0.00	0.00	0.00	0.00	0.00	0.07	0.28	4
1970	Wet	0.55	0.85	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.33	3
1971	Wet	0.66	0.88	0.98	0.97	0.57	0.83	0.00	0.00	0.00	0.00	0.21	0.35	5
1972	Below Normal	0.69	0.89	0.99	0.97	0.40	0.00	0.00	0.00	0.00	0.00	0.22	0.35	5
1973	Above Normal	0.56	0.89	0.99	0.98	0.84	0.00	0.00	0.00	0.00	0.09	0.19	0.34	5
1974	Wet	0.67	0.88	0.98	0.97	0.84	0.00	0.00	0.00	0.00	0.02	0.14	0.31	5
1975	Wet	0.91	0.87	0.98	0.97	0.83	0.00	0.00	0.00	0.00	0.10	0.20	0.34	5
1976	Critical	0.68	0.88	0.98	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4
1977	Critical	0.00	0.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1
1978	Above Normal	0.00	0.00	0.00	1.01	0.89	0.00	0.00	0.00	0.00	0.00	0.07	0.28	2
1979	Below Normal	0.55	0.85	0.97	0.96	0.81	0.00	0.00	0.00	0.00	0.07	0.18	0.33	5
1980	Above Normal	0.65	0.88	0.98	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.30	4
1981	Dry	0.60	0.86	0.98	0.96	0.82	0.00	0.00	0.00	0.00	0.07	0.18	0.33	5
1982	Wet	0.00	0.88	0.98	0.97	0.83	0.00	0.00	0.00	0.00	0.00	0.07	0.28	4
1983	Wet	0.55	0.85	0.97	0.96	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.28	4
1984	Wet	0.55	0.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.34	2
1985	Dry	0.69	0.89	0.99	0.97	0.78	0.09	0.00	0.00	0.00	0.09	0.19	0.34	5
1986	Wet	0.27	0.86	0.98	0.97	0.84	0.00	0.00	0.00	0.00	0.00	0.18	0.33	4
1987	Dry	0.65	0.88	0.98	0.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3
1988	Critical	0.00	0.91	0.99	0.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3
1989	Dry	0.00	0.00	0.00	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	2
1990	Critical	0.00	0.92	0.00	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2
1991	Critical	0.00	0.00	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.00	0.00	0.00	1
1992	Critical	0.00	0.00	0.00	0.00	0.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1
1993	Above Normal	0.00	0.00	0.00	0.99	0.86	0.85	0.00	0.00	0.00	0.11	0.00	0.35	3
1994	Critical	0.69	0.89	0.99	0.97	0.00	0.00	0.00	0.00	0.00	0.05	0.16	0.32	4
1995	Wet	0.00	0.00	0.58	0.97	0.83	0.77	0.00	0.00	0.00	0.00	0.07	0.28	4
1996	Wet	0.55	0.85	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.15	0.31	3
1997	Wet	0.63	0.87	0.98	0.97	0.46	0.00	0.00	0.00	0.00	0.00	0.21	0.00	4
1998	Wet	0.00	0.89	0.99	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.28	3
1999	Wet	0.55	0.85	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.34	3
2000	Above Normal	0.68	0.88	0.98	0.97	0.87	0.00	0.00	0.00	0.00	0.00	0.18	0.33	5
2001	Dry	0.65	0.88	0.17	0.97	0.83	0.88	0.00	0.00	0.00	0.00	0.00	0.00	4
2002	Dry	0.00	0.10	1.00	0.99	0.00	0.83	0.00	0.00	0.00	0.10	0.20	0.34	4
2003	Above Normal	0.51	0.88	0.98	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.35	4
Average		0	1	1	1	0	0	0	0	0	0	0	0	3
Wet		0	1	1	1	0	0	0	0	0	0	0	0	4
Above Normal		0	1	1	1	0	0	0	0	0	0	0	0	4
Below Normal		0	1	1	1	0	0	0	0	0	0	0	0	3
Dry		0	1	1	1	0	0	0	0	0	0	0	0	3
Critical		0	0	0	1	0	0	0	0	0	0	0	0	2

Difference in Energy Use (GWh) At Pumping Plant at DMC Intertie: CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	-1	0	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	-1	-1	0	0	0	0	0	0	0	0
1926	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1927	Wet	0	0	0	0	-1	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	0	-1	0	0	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1932	Dry	0	0	0	-1	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1935	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1940	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1945	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1946	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1947	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1948	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1949	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1951	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	1	0	1	1	0	0	0	0	0	0	0	0
1961	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Norma	0	0	0	-1	0	0	0	0	0	0	0	0	0
1963	Wet	0	0	0	0	1	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1965	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1966	Below Norma	0	0	0	0	1	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	1	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	1	0	0	0	0	0	0	0	0	0	0	0
1978	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	Above Norma	1	1	0	0	0	0	0	0	0	0	0	0	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Below Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Dry		0	0	0	0	0	0	0	0	0	0	0	0	0
Critical		0	0	0	0	0	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at DMC Intertie: CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norm	0%	0%	0%	0%	0%	-	-	-	-	0%	0%	0%
1923	Below Norm	0%	0%	0%	0%	-	-	-	-	-	-100%	-	7%
1924	Critical	7%	-100%	-	1%	-	-	-	-	-	-	-	-
1925	Dry	-	-	0%	-100%	-100%	-	-	-	-	-	-	-9%
1926	Dry	-	-	-	0%	67%	-	-	-	-	-	-	-
1927	Wet	-	-1%	0%	0%	-100%	-	-	-	-	-	34691090%	0%
1928	Above Norm	0%	0%	0%	0%	-100%	-	-	-	-	-	-18%	-6%
1929	Critical	-6%	-1%	0%	0%	-	-	-	-	-	-	-	-
1930	Dry	-	-	0%	0%	-	-	-	-	-	-	-	-
1931	Critical	-	-	-	0%	-	-	-	-	-	-	-	-
1932	Dry	-	-	0%	-100%	-	-	-	-	-	-	-	1%
1933	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1934	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1935	Below Norm	-	-	-	0%	-	-	-	-	-	-	-	0%
1936	Below Norm	-	-	-	0%	-	-	-	-	-	-	-	2%
1937	Below Norm	-	-	0%	-	-	-	-	-	-	-	-	3%
1938	Wet	-	0%	0%	-	-	-	-	-	-	-	0%	0%
1939	Dry	-38%	0%	0%	0%	-	-	-	-	-	-	-	-
1940	Above Norm	-	-	-	-	-1%	1%	-	-	-	-	5%	2%
1941	Wet	2%	0%	0%	0%	-	-	-	-	-	0%	0%	0%
1942	Wet	0%	0%	0%	0%	-	-	-	-	-	0%	0%	0%
1943	Wet	42%	0%	0%	0%	-	-	-	-	-	-	0%	0%
1944	Dry	0%	0%	0%	0%	0%	-3%	-	-	-	-	-	-
1945	Below Norm	-	-1%	0%	0%	-	-	-	-	-	0%	0%	0%
1946	Below Norm	0%	0%	0%	0%	-	-	-	-	-	-	-5%	-
1947	Dry	-2%	0%	0%	0%	-6%	-	-	-	-	-	-	-
1948	Below Norm	-	21%	-	-	0%	-	-	-	-	-12%	-	-2%
1949	Dry	24%	-	0%	0%	-	-	-	-	-	0%	-	0%
1950	Below Norm	-	22%	10%	0%	0%	-	-	-	-	-	-7%	-9%
1951	Above Norm	-	-1%	-11%	-	-	-	-	-	-	-	0%	0%
1952	Wet	0%	0%	0%	0%	0%	-	-	-	-	-	0%	0%
1953	Wet	0%	0%	0%	0%	0%	-	-	-	-	0%	0%	0%
1954	Above Norm	0%	0%	0%	0%	-	-	-	-	-	-	0%	0%
1955	Dry	0%	0%	0%	0%	0%	-	-	-	-	-	-	-
1956	Wet	-	6%	0%	0%	-	-	-	-	-	0%	0%	0%
1957	Above Norm	-27%	0%	0%	-	-	-	-	-	-	-	0%	0%
1958	Wet	0%	0%	0%	0%	0%	-	-	-	-	-	0%	0%
1959	Below Norm	0%	0%	0%	0%	0%	-	-	-	-	0%	-	-
1960	Dry	-	-	-	-	-	-1%	-	-	-	-	-	-
1961	Dry	-	0%	-	0%	-56%	-	-	-	-	-	-12%	-
1962	Below Norm	-	-	-100%	-69%	-1%	-1%	-	-	-	-100%	-6%	69%
1963	Wet	-2%	-1%	0%	0%	2539%	-	-	-	-	-	0%	0%
1964	Dry	0%	0%	0%	0%	-	-	-	-	-	-	-	7%
1965	Wet	-	-2%	-1%	-1%	-	-	-	-	-	-31%	-11%	-3%
1966	Below Norm	-3%	-1%	0%	0%	-	-	-	-	-	-	0%	0%
1967	Wet	0%	-	0%	0%	0%	-	-	-	-	-	0%	0%
1968	Below Norm	0%	0%	0%	-	-	-	-	-	-	-	-21%	-
1969	Wet	-	0%	0%	0%	0%	-	-	-	-	-	0%	0%
1970	Wet	0%	0%	0%	-	-	-	-	-	-	-	-14%	-4%
1971	Wet	-4%	-1%	0%	0%	-	0%	-	-	-	-	0%	0%
1972	Below Norm	0%	0%	0%	0%	4%	-	-	-	-	-	0%	0%
1973	Above Norm	-20%	0%	0%	0%	0%	-100%	-	-	-	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	-	-	-	-	0%	0%	0%
1975	Wet	46%	0%	0%	0%	0%	-	-	-	-	-	0%	0%
1976	Critical	0%	0%	0%	0%	-	-	-	-	-	-	-	-
1977	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1978	Above Norm	-	-	-	0%	0%	-	-	-	-	-	0%	0%
1979	Below Norm	0%	0%	0%	0%	0%	-	-	-	-	-34%	-	-4%
1980	Above Norm	-4%	-1%	0%	0%	-	-	-	-	-	-	0%	0%
1981	Dry	0%	0%	0%	0%	0%	-	-	-	-	0%	0%	0%
1982	Wet	-	0%	0%	0%	0%	-	-	-	-	-	0%	0%
1983	Wet	0%	0%	0%	0%	-	-	-	-	-	-	0%	0%
1984	Wet	0%	0%	-	-	-	-	-	-	-	-	0%	0%
1985	Dry	0%	0%	0%	0%	0%	-	-	-	-	-25%	-10%	-3%
1986	Wet	-4%	-3%	0%	0%	0%	-	-	-	-	-	-26%	-9%
1987	Dry	-9%	-2%	-1%	-	-	-	-	-	-	-	-	-
1988	Critical	-	5%	0%	0%	-	-	-	-	-	-	-	-
1989	Dry	-	-	-	0%	-	0%	-	-	-	-	-	-
1990	Critical	-	-1%	-	0%	-	-	-	-	-	-	-	-
1991	Critical	-	-	-	-	-	0%	-	-	-	-	-	-
1992	Critical	-	-	-	-	0%	-	-	-	-	-	-	-
1993	Above Norm	-	-	-	0%	0%	0%	-	-	-	-3%	-	0%
1994	Critical	0%	0%	0%	0%	-	-	-	-	-	0%	0%	0%
1995	Wet	-	-	-41%	0%	0%	0%	-	-	-	-	0%	0%
1996	Wet	0%	0%	0%	-	-	-	-	-	-	0%	0%	0%
1997	Wet	0%	0%	0%	0%	-44%	-	-	-	-	-	0%	-
1998	Wet	-	0%	0%	0%	-	-	-	-	-	-	0%	0%
1999	Wet	0%	0%	0%	-	-	-	-	-	-	-	0%	0%
2000	Above Norm	0%	0%	0%	0%	0%	-	-	-	-	-	0%	0%
2001	Dry	0%	0%	111%	0%	0%	-3%	-	-	-	-	-	-
2002	Dry	-	-	-1%	-1%	-	-1%	-	-	-	-15%	-	-2%
2003	Above Norm	-	-	0%	0%	-	-	-	-	-	-	-13%	-4%
Average		0%	-1%	-1%	-4%	61%	-9%	#DIV/0!	#DIV/0!	#DIV/0!	-15%	722728%	1%
Wet		3%	0%	-2%	0%	92%	0%	0%	0%	0%	-1%	1334271%	-1%
Above Norm		-4%	0%	-1%	0%	-8%	-8%	0%	0%	0%	0%	-2%	-1%
Below Norm		0%	3%	-6%	-5%	0%	0%	0%	0%	0%	-18%	-3%	5%
Dry		-1%	0%	6%	-11%	-5%	0%	0%	0%	0%	-2%	-1%	0%
Critical		0%	-8%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Energy Use (GWh) At Pumping Plant at DMC Other: CONV_NA

Year Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922 Above Normal	0.07	0.03	0.02	0.01	0.02	0.02	0.01	0.02	0.06	0.10	0.10	0.08	1
1923 Below Normal	0.07	0.03	0.02	0.01	0.03	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1924 Critical	0.07	0.03	0.01	0.01	0.02	0.03	0.04	0.05	0.07	0.07	0.07	0.06	1
1925 Dry	0.05	0.02	0.01	0.01	0.01	0.04	0.05	0.07	0.09	0.10	0.09	0.08	1
1926 Dry	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.06	0.09	0.09	0.09	0.07	1
1927 Wet	0.06	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1928 Above Normal	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1929 Critical	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.09	0.09	0.09	0.07	1
1930 Dry	0.06	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.09	0.09	0.09	0.07	1
1931 Critical	0.06	0.03	0.01	0.01	0.02	0.03	0.04	0.05	0.07	0.07	0.07	0.06	1
1932 Dry	0.05	0.02	0.01	0.01	0.01	0.03	0.04	0.05	0.07	0.07	0.07	0.06	0
1933 Critical	0.05	0.02	0.01	0.01	0.02	0.03	0.04	0.05	0.07	0.07	0.07	0.06	0
1934 Critical	0.05	0.02	0.01	0.01	0.01	0.03	0.04	0.05	0.07	0.07	0.07	0.06	0
1935 Below Normal	0.05	0.02	0.01	0.01	0.01	0.04	0.05	0.07	0.08	0.09	0.09	0.07	1
1936 Below Normal	0.07	0.03	0.01	0.01	0.00	0.04	0.01	0.03	0.09	0.10	0.10	0.08	1
1937 Below Normal	0.07	0.03	0.01	0.00	0.01	0.01	0.01	0.02	0.08	0.09	0.09	0.08	0
1938 Wet	0.07	0.03	0.01	0.00	0.00	0.01	0.01	0.02	0.03	0.07	0.10	0.08	0
1939 Dry	0.07	0.03	0.02	0.01	0.03	0.04	0.05	0.07	0.09	0.10	0.10	0.08	1
1940 Above Normal	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.06	0.09	0.10	0.10	0.08	1
1941 Wet	0.07	0.03	0.01	0.00	0.01	0.03	0.01	0.03	0.06	0.10	0.10	0.08	1
1942 Wet	0.07	0.03	0.01	0.00	0.01	0.04	0.05	0.06	0.05	0.10	0.10	0.08	1
1943 Wet	0.07	0.03	0.02	0.00	0.02	0.01	0.01	0.02	0.09	0.10	0.10	0.08	1
1944 Dry	0.07	0.03	0.02	0.01	0.03	0.04	0.05	0.07	0.09	0.10	0.09	0.08	1
1945 Below Normal	0.07	0.03	0.01	0.01	0.01	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1946 Below Normal	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.06	0.09	0.10	0.10	0.08	1
1947 Dry	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.09	0.10	0.10	0.08	1
1948 Below Normal	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1949 Dry	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1950 Below Normal	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.09	0.09	0.09	0.08	1
1951 Above Normal	0.07	0.03	0.01	0.00	0.01	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1952 Wet	0.07	0.03	0.02	0.01	0.01	0.01	0.01	0.02	0.03	0.09	0.10	0.08	0
1953 Wet	0.07	0.03	0.02	0.01	0.03	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1954 Above Normal	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1955 Dry	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.09	0.09	0.09	0.08	1
1956 Wet	0.07	0.03	0.01	0.00	0.01	0.01	0.03	0.03	0.06	0.10	0.10	0.08	1
1957 Above Normal	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1958 Wet	0.07	0.03	0.02	0.01	0.02	0.01	0.01	0.02	0.03	0.11	0.10	0.08	1
1959 Below Normal	0.07	0.03	0.02	0.01	0.03	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1960 Dry	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.09	0.09	0.09	0.07	1
1961 Dry	0.06	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.09	0.10	0.10	0.08	1
1962 Below Normal	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.09	0.10	0.10	0.08	1
1963 Wet	0.07	0.03	0.01	0.01	0.01	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1964 Dry	0.07	0.03	0.02	0.01	0.02	0.04	0.05	0.07	0.09	0.10	0.09	0.08	1
1965 Wet	0.07	0.03	0.01	0.00	0.01	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1966 Below Normal	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1967 Wet	0.07	0.03	0.01	0.01	0.02	0.01	0.01	0.02	0.03	0.02	0.10	0.08	0
1968 Below Normal	0.07	0.02	0.02	0.01	0.03	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1969 Wet	0.07	0.03	0.01	0.00	0.01	0.01	0.01	0.02	0.03	0.02	0.10	0.08	0
1970 Wet	0.07	0.03	0.02	0.00	0.01	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1971 Wet	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1972 Below Normal	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1973 Above Normal	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.04	0.08	0.10	0.10	0.08	1
1974 Wet	0.07	0.03	0.01	0.00	0.02	0.04	0.04	0.04	0.07	0.10	0.10	0.08	1
1975 Wet	0.07	0.03	0.02	0.01	0.03	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1976 Critical	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.09	0.09	0.09	0.07	1
1977 Critical	0.06	0.03	0.01	0.01	0.02	0.03	0.04	0.05	0.07	0.07	0.07	0.06	1
1978 Above Normal	0.05	0.02	0.01	0.01	0.00	0.01	0.01	0.02	0.03	0.07	0.10	0.08	0
1979 Below Normal	0.07	0.03	0.02	0.01	0.02	0.03	0.05	0.06	0.10	0.10	0.10	0.08	1
1980 Above Normal	0.07	0.03	0.01	0.00	0.01	0.01	0.01	0.02	0.06	0.09	0.10	0.08	0
1981 Dry	0.07	0.03	0.02	0.01	0.03	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1982 Wet	0.07	0.03	0.02	0.01	0.01	0.01	0.01	0.02	0.03	0.10	0.10	0.08	0
1983 Wet	0.06	0.01	0.01	0.00	0.01	0.01	0.01	0.02	0.03	0.02	0.07	0.06	0
1984 Wet	0.03	0.01	0.01	0.00	0.02	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1985 Dry	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1986 Wet	0.07	0.03	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.10	0.10	0.08	0
1987 Dry	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.09	0.10	0.10	0.08	1
1988 Critical	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.09	0.09	0.09	0.07	1
1989 Dry	0.06	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.09	0.09	0.09	0.08	1
1990 Critical	0.07	0.03	0.01	0.01	0.02	0.04	0.04	0.06	0.08	0.09	0.09	0.07	1
1991 Critical	0.06	0.03	0.01	0.01	0.02	0.03	0.04	0.05	0.07	0.07	0.07	0.06	1
1992 Critical	0.05	0.02	0.01	0.01	0.02	0.03	0.04	0.06	0.07	0.08	0.08	0.06	1
1993 Above Normal	0.05	0.02	0.01	0.01	0.01	0.04	0.01	0.04	0.05	0.10	0.10	0.08	1
1994 Critical	0.07	0.03	0.01	0.01	0.02	0.04	0.04	0.06	0.08	0.08	0.08	0.06	1
1995 Wet	0.05	0.02	0.01	0.01	0.01	0.01	0.01	0.02	0.03	0.02	0.10	0.08	0
1996 Wet	0.07	0.03	0.01	0.01	0.01	0.01	0.05	0.02	0.10	0.10	0.10	0.08	1
1997 Wet	0.07	0.03	0.01	0.00	0.01	0.01	0.05	0.03	0.10	0.10	0.10	0.08	1
1998 Wet	0.07	0.03	0.01	0.01	0.01	0.01	0.01	0.02	0.03	0.02	0.10	0.08	0
1999 Wet	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
2000 Above Normal	0.07	0.03	0.01	0.01	0.02	0.03	0.05	0.07	0.10	0.10	0.10	0.08	1
2001 Dry	0.07	0.03	0.02	0.01	0.02	0.04	0.05	0.07	0.09	0.09	0.09	0.07	1
2002 Dry	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
2003 Above Normal	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.09	0.10	0.10	0.08	1
Average	0	0	0	0	0	0	0	0	0	0	0	0	1
Wet	0	0	0	0	0	0	0	0	0	0	0	0	1
Above Normal	0	0	0	0	0	0	0	0	0	0	0	0	1
Below Normal	0	0	0	0	0	0	0	0	0	0	0	0	1
Dry	0	0	0	0	0	0	0	0	0	0	0	0	1
Critical	0	0	0	0	0	0	0	0	0	0	0	0	1

Energy Use (GWh) At Pumping Plant at DMC Other: CP2_2020

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	0.07	0.03	0.02	0.01	0.02	0.02	0.01	0.02	0.06	0.10	0.10	0.08	1
1923	Below Normal	0.07	0.03	0.02	0.01	0.03	0.04	0.05	0.07	0.09	0.10	0.10	0.08	1
1924	Critical	0.07	0.03	0.01	0.01	0.02	0.03	0.04	0.05	0.07	0.07	0.07	0.06	1
1925	Dry	0.05	0.02	0.01	0.01	0.01	0.04	0.05	0.07	0.09	0.10	0.10	0.08	1
1926	Dry	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.09	0.09	0.09	0.07	1
1927	Wet	0.06	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1928	Above Normal	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1929	Critical	0.07	0.03	0.02	0.01	0.02	0.04	0.05	0.07	0.09	0.09	0.09	0.07	1
1930	Dry	0.06	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.09	0.09	0.09	0.07	1
1931	Critical	0.07	0.03	0.01	0.01	0.02	0.03	0.04	0.05	0.07	0.07	0.07	0.06	1
1932	Dry	0.05	0.02	0.01	0.01	0.01	0.03	0.04	0.05	0.07	0.07	0.07	0.06	0
1933	Critical	0.05	0.02	0.01	0.01	0.01	0.03	0.04	0.05	0.07	0.07	0.07	0.06	0
1934	Critical	0.05	0.02	0.01	0.01	0.01	0.03	0.04	0.05	0.07	0.07	0.07	0.06	0
1935	Below Normal	0.05	0.02	0.01	0.01	0.01	0.04	0.05	0.07	0.08	0.09	0.09	0.07	1
1936	Below Normal	0.07	0.03	0.01	0.01	0.00	0.04	0.01	0.03	0.09	0.10	0.10	0.08	1
1937	Below Normal	0.07	0.03	0.01	0.00	0.01	0.01	0.01	0.02	0.08	0.09	0.09	0.07	0
1938	Wet	0.07	0.03	0.01	0.00	0.00	0.01	0.01	0.02	0.03	0.07	0.10	0.08	0
1939	Dry	0.07	0.03	0.02	0.01	0.03	0.04	0.05	0.07	0.09	0.10	0.10	0.08	1
1940	Above Normal	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.06	0.09	0.10	0.10	0.08	1
1941	Wet	0.07	0.03	0.01	0.00	0.01	0.03	0.01	0.03	0.06	0.10	0.10	0.08	1
1942	Wet	0.07	0.03	0.01	0.00	0.01	0.04	0.05	0.06	0.05	0.10	0.10	0.08	1
1943	Wet	0.05	0.03	0.02	0.00	0.02	0.01	0.01	0.02	0.09	0.10	0.10	0.08	1
1944	Dry	0.07	0.03	0.02	0.01	0.03	0.04	0.05	0.07	0.09	0.10	0.10	0.08	1
1945	Below Normal	0.07	0.03	0.01	0.01	0.01	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1946	Below Normal	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.06	0.10	0.10	0.10	0.08	1
1947	Dry	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.09	0.10	0.10	0.08	1
1948	Below Normal	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1949	Dry	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1950	Below Normal	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.09	0.10	0.09	0.08	1
1951	Above Normal	0.07	0.03	0.01	0.00	0.01	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1952	Wet	0.07	0.03	0.02	0.01	0.01	0.01	0.01	0.02	0.03	0.09	0.10	0.08	0
1953	Wet	0.07	0.03	0.02	0.01	0.03	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1954	Above Normal	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1955	Dry	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.09	0.10	0.10	0.08	1
1956	Wet	0.07	0.03	0.01	0.00	0.01	0.01	0.03	0.03	0.06	0.10	0.10	0.08	1
1957	Above Normal	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1958	Wet	0.07	0.03	0.02	0.01	0.02	0.01	0.01	0.02	0.03	0.11	0.10	0.08	1
1959	Below Normal	0.07	0.03	0.02	0.01	0.03	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1960	Dry	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.09	0.09	0.09	0.07	1
1961	Dry	0.06	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1962	Below Normal	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1963	Wet	0.07	0.03	0.01	0.01	0.01	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1964	Dry	0.07	0.03	0.02	0.01	0.02	0.04	0.05	0.07	0.09	0.10	0.10	0.08	1
1965	Wet	0.07	0.03	0.01	0.00	0.01	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1966	Below Normal	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1967	Wet	0.07	0.03	0.01	0.01	0.02	0.01	0.01	0.02	0.03	0.02	0.10	0.08	0
1968	Below Normal	0.07	0.02	0.02	0.01	0.03	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1969	Wet	0.07	0.03	0.01	0.00	0.01	0.01	0.01	0.02	0.03	0.02	0.10	0.08	0
1970	Wet	0.07	0.03	0.02	0.00	0.01	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1971	Wet	0.07	0.03	0.02	0.01	0.02	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1972	Below Normal	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1973	Above Normal	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.04	0.08	0.10	0.10	0.08	1
1974	Wet	0.07	0.03	0.01	0.00	0.02	0.04	0.04	0.04	0.07	0.10	0.10	0.08	1
1975	Wet	0.07	0.03	0.02	0.01	0.03	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1976	Critical	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.09	0.09	0.09	0.07	1
1977	Critical	0.06	0.03	0.01	0.01	0.02	0.03	0.04	0.05	0.07	0.07	0.07	0.06	1
1978	Above Normal	0.05	0.02	0.01	0.01	0.00	0.01	0.01	0.02	0.03	0.07	0.10	0.08	0
1979	Below Normal	0.07	0.03	0.02	0.01	0.02	0.03	0.05	0.06	0.10	0.10	0.10	0.08	1
1980	Above Normal	0.07	0.03	0.02	0.00	0.01	0.01	0.01	0.02	0.06	0.09	0.10	0.08	0
1981	Dry	0.07	0.03	0.02	0.01	0.03	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1982	Wet	0.07	0.03	0.02	0.01	0.01	0.01	0.01	0.02	0.03	0.10	0.10	0.08	0
1983	Wet	0.06	0.01	0.01	0.00	0.01	0.01	0.01	0.02	0.03	0.02	0.07	0.06	0
1984	Wet	0.03	0.01	0.01	0.00	0.02	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1985	Dry	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1986	Wet	0.07	0.03	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.10	0.10	0.08	0
1987	Dry	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.09	0.10	0.10	0.08	1
1988	Critical	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.09	0.09	0.09	0.07	1
1989	Dry	0.06	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.09	0.10	0.09	0.08	1
1990	Critical	0.07	0.03	0.01	0.01	0.02	0.04	0.04	0.06	0.08	0.09	0.09	0.07	1
1991	Critical	0.06	0.03	0.01	0.01	0.02	0.03	0.04	0.05	0.07	0.07	0.07	0.06	1
1992	Critical	0.05	0.02	0.01	0.01	0.02	0.03	0.04	0.06	0.07	0.08	0.08	0.06	1
1993	Above Normal	0.05	0.02	0.01	0.01	0.01	0.04	0.01	0.04	0.05	0.10	0.10	0.08	1
1994	Critical	0.07	0.03	0.01	0.01	0.02	0.04	0.04	0.06	0.08	0.08	0.08	0.06	1
1995	Wet	0.05	0.02	0.01	0.01	0.01	0.01	0.01	0.02	0.03	0.02	0.10	0.08	0
1996	Wet	0.07	0.03	0.01	0.01	0.01	0.01	0.01	0.05	0.02	0.10	0.10	0.08	1
1997	Wet	0.07	0.03	0.01	0.00	0.01	0.01	0.01	0.05	0.03	0.10	0.10	0.08	1
1998	Wet	0.07	0.03	0.01	0.01	0.01	0.01	0.01	0.02	0.03	0.02	0.10	0.08	0
1999	Wet	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
2000	Above Normal	0.07	0.03	0.01	0.01	0.02	0.03	0.05	0.07	0.10	0.10	0.10	0.08	1
2001	Dry	0.07	0.03	0.02	0.01	0.02	0.04	0.05	0.07	0.09	0.10	0.09	0.08	1
2002	Dry	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
2003	Above Normal	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
Average		0	0	0	0	0	0	0	0	0	0	0	0	1
Wet		0	0	0	0	0	0	0	0	0	0	0	0	1
Above Normal		0	0	0	0	0	0	0	0	0	0	0	0	1
Below Normal		0	0	0	0	0	0	0	0	0	0	0	0	1
Dry		0	0	0	0	0	0	0	0	0	0	0	0	1
Critical		0	0	0	0	0	0	0	0	0	0	0	0	1

Difference in Energy Use (GWh) At Pumping Plant at DMC Other: CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1927	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1932	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1935	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1940	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1945	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1946	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1947	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1948	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1949	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1951	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1961	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1963	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1965	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1966	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Below Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Dry		0	0	0	0	0	0	0	0	0	0	0	0	0
Critical		0	0	0	0	0	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at DMC Other: CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1923	Below Norma	0%	0%	0%	0%	0%	-1%	-1%	-2%	-2%	-2%	-2%	-1%
1924	Critical	-1%	-1%	-1%	-3%	-4%	0%	0%	0%	0%	0%	0%	0%
1925	Dry	0%	0%	0%	0%	0%	0%	0%	1%	1%	1%	1%	0%
1926	Dry	0%	0%	1%	1%	2%	1%	1%	1%	1%	1%	1%	0%
1927	Wet	0%	0%	1%	1%	2%	0%	0%	0%	0%	0%	0%	0%
1928	Above Norma	0%	0%	0%	0%	0%	0%	0%	1%	1%	2%	2%	1%
1929	Critical	1%	1%	1%	2%	4%	0%	0%	0%	0%	0%	0%	0%
1930	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1931	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1932	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1933	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1934	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1935	Below Norma	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%	0%
1936	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1937	Below Norma	0%	0%	0%	0%	-1%	0%	0%	-1%	0%	0%	0%	0%
1938	Wet	0%	0%	0%	-1%	-2%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	2%	0%	0%	0%	0%	2%	2%	2%	2%	2%	2%	1%
1940	Above Norma	1%	1%	1%	3%	5%	0%	0%	-1%	0%	-1%	-1%	0%
1941	Wet	0%	0%	-1%	-1%	-3%	0%	0%	0%	0%	0%	0%	0%
1942	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	-21%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1944	Dry	0%	0%	0%	0%	0%	1%	1%	2%	2%	2%	2%	1%
1945	Below Norma	1%	1%	1%	2%	10%	0%	0%	0%	0%	0%	0%	0%
1946	Below Norma	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%
1947	Dry	0%	0%	0%	1%	1%	0%	0%	0%	0%	0%	0%	0%
1948	Below Norma	0%	0%	0%	1%	1%	0%	0%	0%	0%	0%	0%	0%
1949	Dry	0%	0%	0%	1%	1%	1%	0%	0%	0%	0%	0%	0%
1950	Below Norma	0%	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%	1%
1951	Above Norma	0%	0%	1%	3%	4%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1955	Dry	0%	0%	0%	0%	0%	1%	1%	1%	1%	2%	2%	1%
1956	Wet	1%	1%	2%	4%	10%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norma	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1958	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1960	Dry	0%	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%	0%
1961	Dry	0%	0%	0%	1%	2%	1%	0%	1%	1%	1%	1%	1%
1962	Below Norma	0%	0%	1%	2%	3%	1%	1%	1%	1%	1%	1%	0%
1963	Wet	0%	0%	0%	1%	3%	0%	0%	0%	0%	0%	0%	0%
1964	Dry	0%	0%	0%	0%	0%	2%	2%	2%	2%	2%	-2%	1%
1965	Wet	1%	1%	2%	5%	13%	2%	2%	1%	1%	1%	1%	0%
1966	Below Norma	0%	0%	1%	1%	2%	-1%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1968	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1969	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	1%	0%	1%	1%	1%	1%	1%
1971	Wet	0%	0%	1%	2%	3%	0%	0%	0%	0%	0%	0%	0%
1972	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1973	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	-2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%	1%
1977	Critical	0%	0%	1%	1%	3%	0%	0%	0%	0%	0%	0%	0%
1978	Above Norma	0%	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%
1979	Below Norma	0%	0%	0%	0%	0%	1%	0%	1%	1%	1%	1%	1%
1980	Above Norma	0%	0%	1%	3%	5%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1982	Wet	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	2%	1%	1%	1%	1%	1%	0%
1986	Wet	0%	0%	1%	1%	4%	6%	5%	5%	5%	3%	2%	1%
1987	Dry	1%	1%	2%	4%	6%	0%	0%	0%	0%	0%	0%	0%
1988	Critical	0%	0%	0%	0%	1%	0%	0%	0%	0%	1%	0%	0%
1989	Dry	0%	0%	0%	1%	1%	0%	1%	1%	1%	1%	1%	0%
1990	Critical	0%	0%	1%	1%	2%	0%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1992	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1993	Above Norma	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1995	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1998	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2001	Dry	0%	0%	0%	0%	0%	1%	2%	2%	2%	2%	2%	1%
2002	Dry	1%	1%	2%	3%	6%	1%	0%	0%	0%	1%	1%	0%
2003	Above Norma	0%	0%	0%	1%	1%	0%	1%	1%	1%	1%	1%	1%
Average		0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%
Wet		-1%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%
Above Norma		0%	0%	0%	1%	1%	0%	0%	0%	0%	0%	0%	0%
Below Norma		0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%
Dry		0%	0%	0%	1%	1%	1%	1%	1%	1%	1%	1%	0%
Critical		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Energy Use (GWh) At Pumping Plant at Folsom: CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	1.30	0.94	0.91	0.82	0.79	0.70	1.21	0.82	0.77	0.82	0.96	1.09	11
1923	Below Normal	0.83	0.75	0.79	0.79	0.79	1.16	0.94	0.89	0.77	1.10	1.44	1.12	11
1924	Critical	0.96	0.86	0.91	1.00	1.02	1.03	1.79	1.80	2.07	2.21	1.99	1.48	17
1925	Dry	0.75	0.73	0.72	0.72	0.62	0.53	1.37	0.75	0.90	1.44	1.46	1.13	11
1926	Dry	1.00	0.72	0.78	0.86	0.83	0.99	0.67	1.05	1.76	2.61	2.67	1.97	16
1927	Wet	1.06	0.91	0.77	0.68	0.66	0.69	1.11	0.89	0.74	1.08	1.46	1.28	11
1928	Above Normal	0.85	0.75	0.79	0.80	0.81	0.70	1.15	1.01	1.17	1.78	2.18	1.76	14
1929	Critical	1.42	1.04	1.10	1.14	1.11	0.91	1.57	1.57	1.57	2.08	2.17	1.73	17
1930	Dry	1.38	1.15	0.92	0.74	0.66	0.59	0.94	1.03	1.28	1.64	1.65	1.22	13
1931	Critical	0.98	0.75	0.83	0.88	0.90	0.83	1.90	1.66	1.91	2.37	2.18	1.63	17
1932	Dry	1.11	0.82	0.76	0.65	0.57	0.58	1.16	0.80	0.69	0.79	0.91	0.95	10
1933	Critical	1.04	0.96	1.01	1.05	1.04	0.93	2.08	1.91	2.11	2.39	2.34	1.73	19
1934	Critical	1.11	1.09	0.88	0.74	0.63	0.73	1.46	1.62	2.12	2.51	2.32	1.72	17
1935	Below Normal	1.25	0.86	0.83	0.79	0.71	0.57	0.59	0.95	0.83	0.98	1.13	1.08	11
1936	Below Normal	0.82	0.70	0.79	0.79	0.76	0.74	1.15	0.78	0.69	0.89	1.03	1.01	10
1937	Below Normal	0.95	0.88	0.85	0.93	0.86	0.65	1.03	0.84	0.71	0.89	1.02	1.02	11
1938	Wet	0.94	0.71	0.75	0.75	0.75	0.70	1.08	0.86	0.78	0.83	0.96	1.06	10
1939	Dry	0.88	0.79	0.83	0.91	0.91	0.75	1.42	1.31	1.94	2.52	2.63	1.83	17
1940	Above Normal	1.28	1.19	1.01	0.86	0.64	0.62	1.25	0.89	0.90	1.42	1.97	1.59	14
1941	Wet	1.20	1.06	0.98	0.81	0.79	0.70	0.70	0.79	0.85	0.97	1.11	1.17	11
1942	Wet	0.89	0.75	0.79	0.79	0.81	0.73	0.68	0.78	0.83	0.89	1.03	1.15	10
1943	Wet	1.07	0.76	0.79	0.80	0.85	0.78	0.99	0.96	0.83	1.06	1.35	1.22	11
1944	Dry	1.05	0.80	0.88	0.94	0.91	0.80	1.15	1.17	1.49	1.99	2.10	1.66	15
1945	Below Normal	1.06	0.86	0.78	0.72	0.68	0.60	1.31	0.89	0.83	1.30	1.59	1.30	12
1946	Below Normal	0.67	0.62	0.79	0.79	0.84	0.75	1.34	0.82	0.88	1.29	1.68	1.44	12
1947	Dry	1.11	0.81	0.82	0.85	0.84	0.67	1.18	1.35	1.65	2.30	2.45	1.88	16
1948	Below Normal	0.98	0.95	0.98	0.97	0.90	0.78	0.85	0.75	0.81	1.05	1.29	1.24	12
1949	Dry	1.03	0.76	0.82	0.87	0.96	0.77	1.25	0.85	0.99	1.55	1.94	1.58	13
1950	Below Normal	1.29	0.95	1.03	0.93	0.79	0.67	1.08	0.84	0.75	0.80	0.93	1.00	11
1951	Above Normal	0.66	0.87	1.10	1.15	1.12	1.12	1.48	0.78	0.88	1.55	2.11	1.72	15
1952	Wet	1.03	0.91	0.83	0.79	0.79	0.70	1.11	0.89	0.73	0.81	0.94	1.05	11
1953	Wet	1.04	0.74	0.79	0.79	0.80	0.97	1.15	0.89	0.74	0.87	0.97	1.08	11
1954	Above Normal	0.99	0.75	0.83	0.85	0.82	0.71	0.86	0.98	1.25	2.02	2.39	1.89	14
1955	Dry	1.54	1.03	1.02	0.93	0.87	1.06	1.56	1.56	1.73	1.98	1.93	1.31	17
1956	Wet	1.07	0.84	0.81	0.80	0.87	1.10	1.39	0.81	0.76	0.81	0.94	1.00	11
1957	Above Normal	0.79	0.87	0.83	0.90	0.86	0.71	1.28	0.87	0.97	1.58	2.13	1.57	13
1958	Wet	1.07	1.10	0.99	0.91	0.83	0.72	0.68	0.86	0.79	0.86	1.00	1.12	11
1959	Below Normal	1.07	0.90	0.87	0.87	0.80	0.95	1.41	1.52	2.04	2.94	2.85	1.84	18
1960	Dry	1.60	1.24	1.05	1.03	0.86	0.54	1.22	1.24	1.58	2.01	2.13	1.67	16
1961	Dry	1.38	0.95	0.97	0.99	0.98	0.90	1.76	1.97	2.29	2.89	2.80	2.02	20
1962	Below Normal	1.55	1.01	1.00	0.98	0.82	0.55	1.14	0.96	1.00	1.47	1.99	1.59	14
1963	Wet	0.62	0.58	0.69	0.72	0.79	0.74	0.85	0.86	0.86	1.16	1.51	1.34	11
1964	Dry	0.86	0.76	0.79	0.79	0.81	1.08	1.76	1.41	1.49	1.91	2.04	1.64	15
1965	Wet	1.04	0.93	0.92	0.93	0.91	1.06	1.06	0.93	0.80	1.05	1.15	1.09	12
1966	Below Normal	1.04	0.75	0.84	0.88	0.88	1.03	1.43	1.27	1.67	2.55	2.76	2.04	17
1967	Wet	1.64	1.07	0.69	0.73	0.71	0.65	0.70	0.94	0.75	0.88	1.01	1.13	11
1968	Below Normal	1.03	0.74	0.83	0.87	0.85	0.75	1.32	1.39	1.66	2.57	2.73	1.96	17
1969	Wet	1.36	1.00	0.94	0.82	0.76	0.68	1.20	0.90	0.75	0.81	0.94	1.07	11
1970	Wet	0.89	0.73	0.79	0.93	1.08	0.90	1.55	1.38	1.45	2.04	2.34	1.82	16
1971	Wet	1.22	0.92	0.76	0.68	0.72	0.76	1.43	0.81	0.74	0.89	1.03	1.05	11
1972	Below Normal	1.00	0.75	0.79	0.80	0.80	0.95	1.21	1.04	1.09	1.68	2.04	1.37	14
1973	Above Normal	0.90	0.82	0.74	0.70	0.71	0.63	1.31	0.94	0.93	1.64	1.99	1.39	13
1974	Wet	0.85	0.69	0.79	0.87	0.95	0.82	1.15	0.93	0.77	0.74	0.98	1.11	11
1975	Wet	0.91	0.75	0.81	0.85	0.83	0.70	1.23	1.02	0.78	0.84	0.97	1.10	11
1976	Critical	0.64	0.74	0.82	0.90	1.01	1.51	1.60	1.64	1.76	1.93	1.72	1.29	16
1977	Critical	1.08	0.84	0.82	0.83	0.85	1.26	2.11	1.73	2.28	2.68	2.67	2.21	19
1978	Above Normal	1.37	1.17	0.81	0.67	0.48	0.43	0.84	0.91	0.78	0.99	1.28	1.17	11
1979	Below Normal	1.11	0.78	0.84	0.83	0.79	0.69	1.17	0.96	1.03	1.64	1.71	1.28	13
1980	Above Normal	0.71	0.65	0.79	0.90	1.03	0.88	1.16	0.88	0.79	0.77	0.94	1.08	11
1981	Dry	1.04	0.87	0.83	0.86	0.86	0.76	1.23	1.44	2.00	2.94	2.96	2.04	18
1982	Wet	1.09	0.88	0.82	0.90	0.93	0.82	0.74	1.01	0.86	0.93	1.07	0.89	11
1983	Wet	0.60	0.66	0.79	0.81	0.83	0.76	0.74	0.91	0.81	0.88	1.00	1.07	10
1984	Wet	0.90	0.79	1.10	1.14	1.09	1.18	1.33	0.86	0.77	1.25	1.48	1.14	13
1985	Dry	0.71	0.65	0.69	0.73	0.75	0.64	1.23	1.22	1.68	2.42	2.53	1.80	15
1986	Wet	1.32	1.00	0.94	0.81	0.85	0.78	1.22	0.87	0.74	0.81	0.95	0.93	11
1987	Dry	1.00	0.83	0.86	0.94	0.89	0.69	1.09	1.24	1.68	2.18	2.25	1.71	15
1988	Critical	1.23	0.92	0.90	0.80	0.73	1.06	1.28	1.55	2.00	2.40	2.26	1.68	17
1989	Dry	1.29	0.82	0.76	0.74	0.71	0.54	1.23	1.13	1.51	2.47	2.70	1.48	15
1990	Critical	1.10	1.00	1.06	1.07	1.03	0.97	1.54	1.08	1.75	2.11	2.11	1.62	16
1991	Critical	1.28	0.95	0.92	0.92	0.93	0.92	1.77	1.72	1.63	1.89	2.06	1.75	17
1992	Critical	1.18	1.09	0.98	0.97	0.88	0.70	1.31	1.99	2.33	2.70	2.46	1.82	18
1993	Above Normal	1.10	1.07	0.89	0.76	0.57	0.52	1.27	0.82	0.70	0.94	1.15	1.16	11
1994	Critical	0.97	0.77	0.90	1.02	1.03	1.24	1.69	1.46	1.89	2.34	2.35	1.77	17
1995	Wet	1.29	0.91	0.86	0.71	0.63	0.58	1.08	0.71	0.73	0.86	0.99	1.12	10
1996	Wet	1.04	0.87	0.79	0.80	0.89	0.83	1.09	0.65	0.83	1.02	1.19	1.17	11
1997	Wet	0.87	0.75	0.86	1.09	1.19	1.53	1.54	1.03	1.04	1.64	1.84	1.40	15
1998	Wet	0.99	0.79	0.79	0.73	0.70	0.64	1.03	0.54	0.85	0.91	1.05	1.12	10
1999	Wet	0.95	0.71	0.79	0.80	0.81	0.72	1.26	0.88	0.74	0.94	1.09	1.06	11
2000	Above Normal	0.99	0.74	0.87	0.88	0.80	0.75	1.30	0.90	1.11	2.00	2.77	2.21	15
2001	Dry	1.17	1.32	1.22	1.20	1.16	1.01	1.46	1.71	2.09	2.47	2.38	1.69	19
2002	Dry	1.31	0.93	0.88	0.72	0.64	0.63	1.37	0.88	1.17	1.85	2.22	1.76	14
2003	Above Normal	1.46	1.00	0.93	0.76	0.73	0.66	0.80	0.85	0.90	1.48	1.76	1.41	13
Average		1	1	1	1	1	1	1	1	1	2	2	1	14
Wet		1	1	1	1	1	1	1	1	1	1	1	1	11
Above Normal		1	1	1	1	1	1	1	1	1	1	2	2	13
Below Normal		1	1	1	1	1	1	1	1	1	2	2	1	13
Dry		1	1	1	1	1	1	1	1	2	2	2	2	15
Critical		1	1	1	1	1	1	2	2	2	2	2	2	17

Energy Use (GWh) At Pumping Plant at Folsom: CP2_2020

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	1.30	0.94	0.91	0.82	0.79	0.70	1.21	0.82	0.77	0.82	0.96	1.09	11
1923	Below Normal	0.83	0.75	0.79	0.79	0.79	1.14	0.92	0.87	0.75	1.07	1.37	1.08	11
1924	Critical	0.96	0.87	0.91	1.00	0.98	0.99	1.73	1.75	2.02	2.16	1.95	1.45	17
1925	Dry	0.74	0.73	0.71	0.72	0.62	0.53	1.37	0.75	0.91	1.51	1.59	1.19	11
1926	Dry	1.00	0.73	0.79	0.87	0.83	1.02	0.69	1.05	1.71	2.51	2.55	1.91	16
1927	Wet	1.05	0.89	0.72	0.65	0.67	0.69	1.11	0.89	0.74	0.83	0.96	1.10	10
1928	Above Normal	0.85	0.75	0.79	0.79	0.79	0.69	1.16	0.93	0.97	1.63	2.13	1.71	13
1929	Critical	1.41	1.03	1.10	1.15	1.12	0.91	1.58	1.58	1.58	2.09	2.17	1.73	17
1930	Dry	1.38	1.15	0.92	0.75	0.66	0.59	0.94	1.01	1.25	1.71	1.74	1.22	13
1931	Critical	0.96	0.74	0.82	0.89	0.93	0.87	1.98	1.74	1.98	2.41	2.19	1.62	17
1932	Dry	1.10	0.82	0.76	0.65	0.57	0.58	1.15	0.80	0.69	0.78	0.91	0.95	10
1933	Critical	1.03	0.95	1.01	1.05	1.04	0.93	2.08	1.91	2.11	2.39	2.34	1.74	19
1934	Critical	1.12	1.09	0.89	0.75	0.63	0.72	1.46	1.65	2.13	2.52	2.32	1.72	17
1935	Below Normal	1.26	0.88	0.86	0.82	0.75	0.61	0.62	0.95	0.83	0.98	1.13	1.08	11
1936	Below Normal	0.82	0.70	0.79	0.79	0.76	0.74	1.14	0.78	0.69	0.88	1.02	1.00	10
1937	Below Normal	0.95	0.88	0.85	0.94	0.86	0.65	1.03	0.84	0.71	0.90	1.02	1.02	11
1938	Wet	0.94	0.71	0.75	0.75	0.75	0.70	1.08	0.86	0.78	0.83	0.96	1.06	10
1939	Dry	0.88	0.79	0.83	0.91	0.91	0.76	1.41	1.26	1.85	2.58	2.72	1.89	17
1940	Above Normal	1.33	1.22	1.01	0.86	0.66	0.62	1.25	0.85	0.82	1.28	1.76	1.44	13
1941	Wet	1.06	0.89	0.86	0.79	0.79	0.70	0.70	0.79	0.85	0.97	1.11	1.17	11
1942	Wet	0.89	0.75	0.79	0.79	0.81	0.73	0.68	0.78	0.83	0.89	1.03	1.15	10
1943	Wet	1.07	0.76	0.79	0.80	0.85	0.78	0.99	0.96	0.83	1.06	1.36	1.22	11
1944	Dry	1.05	0.80	0.88	0.94	0.92	0.83	1.19	1.22	1.44	1.80	1.98	1.61	15
1945	Below Normal	1.04	0.84	0.76	0.69	0.67	0.60	1.31	0.89	0.82	1.19	1.39	1.22	11
1946	Below Normal	0.67	0.73	0.79	0.79	0.80	0.72	1.34	0.82	0.87	1.39	1.71	1.28	12
1947	Dry	0.98	0.75	0.79	0.82	0.82	0.67	1.19	1.36	1.61	2.20	2.38	1.87	15
1948	Below Normal	1.00	0.97	0.99	0.95	0.87	0.76	0.83	0.75	0.81	1.06	1.35	1.27	12
1949	Dry	1.03	0.76	0.82	0.88	0.93	0.73	1.25	0.85	0.94	1.38	1.71	1.43	13
1950	Below Normal	1.20	0.89	0.98	0.91	0.79	0.67	1.08	0.84	0.75	0.80	0.93	1.00	11
1951	Above Normal	0.62	0.82	1.10	1.15	1.12	1.12	1.48	0.78	0.86	1.46	1.96	1.50	14
1952	Wet	0.87	0.79	0.79	0.79	0.79	0.70	1.11	0.89	0.73	0.81	0.94	1.05	10
1953	Wet	1.04	0.74	0.79	0.79	0.80	0.97	1.15	0.89	0.74	0.86	0.96	1.08	11
1954	Above Normal	0.99	0.75	0.83	0.85	0.82	0.71	0.86	0.96	1.18	1.91	2.27	1.80	14
1955	Dry	1.48	1.00	0.99	0.89	0.80	0.91	1.32	1.32	1.47	1.61	1.63	1.18	15
1956	Wet	0.95	0.76	0.76	0.80	0.87	1.10	1.39	0.81	0.76	0.81	0.94	1.00	11
1957	Above Normal	0.79	0.87	0.83	0.90	0.86	0.71	1.28	0.87	0.96	1.54	2.08	1.53	13
1958	Wet	1.04	1.08	0.97	0.88	0.82	0.72	0.68	0.86	0.79	0.86	1.00	1.12	11
1959	Below Normal	1.07	0.90	0.87	0.87	0.80	0.94	1.37	1.49	2.02	2.93	2.85	1.64	18
1960	Dry	1.60	1.24	1.04	1.03	0.86	0.56	1.21	1.22	1.56	1.87	1.93	1.53	16
1961	Dry	1.28	0.90	0.93	0.95	0.93	0.84	1.64	1.83	2.13	2.86	2.83	2.04	19
1962	Below Normal	1.57	1.02	1.01	0.99	0.83	0.56	1.14	0.96	1.00	1.45	1.78	1.32	14
1963	Wet	0.56	0.58	0.69	0.72	0.79	0.72	0.82	0.86	0.86	1.15	1.49	1.32	11
1964	Dry	0.85	0.75	0.79	0.79	0.81	1.10	1.79	1.44	1.49	1.89	2.06	1.67	15
1965	Wet	1.06	0.95	0.95	0.94	0.93	1.04	1.02	0.90	0.77	1.04	1.13	1.08	12
1966	Below Normal	1.04	0.75	0.84	0.88	0.88	1.03	1.43	1.27	1.67	2.55	2.76	2.04	17
1967	Wet	1.64	1.07	0.88	0.69	0.71	0.65	0.70	0.94	0.75	0.88	1.01	1.13	11
1968	Below Normal	1.03	0.74	0.83	0.87	0.85	0.75	1.32	1.39	1.67	2.14	2.10	1.54	15
1969	Wet	1.09	0.81	0.74	0.72	0.76	0.68	1.20	0.90	0.75	0.81	0.94	1.07	10
1970	Wet	0.89	0.73	0.79	0.93	1.08	0.92	1.57	1.40	1.45	2.05	2.27	1.70	16
1971	Wet	1.15	0.86	0.73	0.69	0.71	0.75	1.43	0.81	0.74	0.89	1.03	1.05	11
1972	Below Normal	1.00	0.75	0.79	0.80	0.80	0.95	1.21	1.04	1.07	1.67	1.99	1.21	13
1973	Above Normal	0.52	0.71	0.69	0.70	0.71	0.63	1.31	0.94	0.92	1.64	1.98	1.39	12
1974	Wet	0.85	0.68	0.79	0.87	0.95	0.82	1.15	0.93	0.77	0.74	0.98	1.11	11
1975	Wet	0.91	0.75	0.81	0.85	0.83	0.70	1.23	1.02	0.78	0.84	0.97	1.10	11
1976	Critical	0.64	0.74	0.82	0.90	1.01	1.53	1.60	1.64	1.72	1.85	1.66	1.25	15
1977	Critical	1.05	0.83	0.82	0.83	0.85	1.25	2.09	1.72	2.26	2.41	2.48	1.96	19
1978	Above Normal	1.24	1.20	0.82	0.68	0.48	0.43	0.84	0.91	0.78	0.99	1.28	1.17	11
1979	Below Normal	1.11	0.78	0.84	0.84	0.79	0.69	1.16	0.95	1.01	1.62	1.72	1.28	13
1980	Above Normal	0.71	0.74	0.79	0.90	1.03	0.88	1.16	0.88	0.79	0.77	0.94	1.08	11
1981	Dry	1.04	0.87	0.83	0.86	0.86	0.76	1.23	1.45	2.00	2.95	2.96	2.05	18
1982	Wet	1.09	0.88	0.82	0.90	0.93	0.82	0.74	1.01	0.86	0.93	1.07	0.89	11
1983	Wet	0.60	0.66	0.79	0.81	0.83	0.76	0.74	0.91	0.81	0.88	1.00	1.07	10
1984	Wet	0.90	0.79	1.10	1.14	1.09	1.18	1.29	0.81	0.70	1.11	1.30	1.04	12
1985	Dry	0.69	0.64	0.69	0.73	0.75	0.67	1.27	1.25	1.69	2.39	2.50	1.79	15
1986	Wet	1.33	1.00	0.95	0.81	0.85	0.81	1.25	0.89	0.76	0.90	1.04	0.95	12
1987	Dry	1.02	0.85	0.88	0.96	0.92	0.70	1.10	1.24	1.66	2.15	2.21	1.68	15
1988	Critical	1.21	0.92	0.90	0.78	0.71	1.05	1.25	1.51	1.97	2.38	2.25	1.68	17
1989	Dry	1.28	0.82	0.78	0.79	0.78	0.60	1.23	1.13	1.51	2.45	2.67	1.49	16
1990	Critical	1.13	1.01	1.07	1.09	1.04	0.96	1.54	1.08	1.75	2.11	2.11	1.62	17
1991	Critical	1.28	0.95	0.92	0.92	0.93	0.92	1.77	1.72	1.63	1.89	2.06	1.75	17
1992	Critical	1.18	1.09	0.98	0.97	0.89	0.70	1.31	1.97	2.29	2.66	2.44	1.80	18
1993	Above Normal	1.09	1.05	0.88	0.74	0.57	0.52	1.27	0.82	0.70	0.94	1.16	1.16	11
1994	Critical	0.97	0.77	0.90	1.02	1.03	1.24	1.69	1.46	1.83	2.17	2.22	1.64	17
1995	Wet	1.21	0.88	0.80	0.67	0.63	0.58	1.08	0.71	0.73	0.86	0.99	1.12	10
1996	Wet	1.04	0.87	0.79	0.80	0.89	0.83	1.09	0.65	0.83	1.02	1.19	1.18	11
1997	Wet	0.87	0.75	0.86	1.09	1.19	1.53	1.54	1.03	1.04	1.53	1.62	1.24	14
1998	Wet	0.88	0.71	0.72	0.70	0.70	0.64	1.03	0.54	0.85	0.91	1.05	1.12	10
1999	Wet	0.95	0.71	0.79	0.80	0.81	0.72	1.26	0.88	0.74	0.94	1.09	1.06	11
2000	Above Normal	0.99	0.74	0.87	0.88	0.80	0.75	1.29	0.90	1.09	1.92	2.69	2.18	15
2001	Dry	1.16	1.32	1.22	1.19	1.16	1.00	1.45	1.70	2.07	2.46	2.37	1.68	19
2002	Dry	1.30	0.93	0.88	0.72	0.63	0.60	1.22	0.79	1.05	1.74	2.18	1.68	14
2003	Above Normal	1.37	0.96	0.90	0.75	0.71	0.64	0.80	0.85	0.83	1.26	1.61	1.37	12
Average		1	1	1	1	1	1	1	1	1	2	2	1	13
Wet		1	1	1	1	1	1	1	1	1	1	1	1	11
Above Normal		1	1	1	1	1	1	1	1	1	1	2	1	13
Below Normal		1	1	1	1	1	1	1	1	1	1	2	1	13
Dry		1	1	1	1	1	1	1	1	2	2	2	2	15
Critical		1	1	1	1	1	1	2	2	2	2	2	2	17

Difference in Energy Use (GWh) At Pumping Plant at Folsom: CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1927	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1932	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1935	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1940	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1945	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1946	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1947	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1948	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1949	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1951	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1961	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1963	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1965	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1966	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	-1	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Below Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Dry		0	0	0	0	0	0	0	0	0	0	0	0	0
Critical		0	0	0	0	0	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at Folsom: CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1923	Below Norm	0%	0%	0%	0%	0%	-2%	-2%	-2%	-2%	-3%	-4%	-4%
1924	Critical	-1%	1%	0%	0%	0%	-4%	-3%	-3%	-3%	-2%	-2%	-2%
1925	Dry	-1%	0%	0%	0%	0%	0%	0%	0%	1%	5%	9%	5%
1926	Dry	1%	1%	1%	1%	1%	2%	3%	1%	-2%	-4%	-4%	-3%
1927	Wet	-1%	-3%	-6%	-3%	1%	0%	0%	0%	0%	-23%	-34%	-14%
1928	Above Norm	0%	0%	0%	-2%	-2%	-1%	1%	-8%	-17%	-8%	-2%	-3%
1929	Critical	-1%	0%	0%	1%	1%	0%	0%	1%	1%	0%	0%	0%
1930	Dry	0%	0%	0%	0%	0%	0%	0%	-2%	-3%	4%	5%	0%
1931	Critical	-2%	-1%	-1%	2%	3%	4%	5%	5%	4%	1%	0%	-1%
1932	Dry	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1933	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1934	Critical	0%	0%	0%	1%	0%	-1%	0%	1%	1%	0%	0%	0%
1935	Below Norm	1%	2%	3%	4%	6%	8%	4%	0%	0%	0%	0%	0%
1936	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	-1%	0%
1937	Below Norm	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1938	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	0%	0%	-1%	-4%	-5%	2%	4%	3%
1940	Above Norm	4%	2%	1%	0%	2%	0%	0%	-4%	-9%	-10%	-11%	-9%
1941	Wet	-12%	-16%	-13%	-2%	0%	0%	0%	0%	0%	0%	0%	0%
1942	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1944	Dry	0%	0%	0%	0%	1%	3%	4%	4%	-3%	-9%	-6%	-3%
1945	Below Norm	-2%	-2%	-3%	-3%	-1%	0%	0%	0%	-1%	-8%	-13%	-6%
1946	Below Norm	0%	18%	0%	0%	-4%	-4%	0%	0%	-1%	7%	2%	-11%
1947	Dry	-12%	-8%	-4%	-3%	-3%	-1%	1%	-3%	-4%	-3%	-3%	-1%
1948	Below Norm	1%	1%	1%	-1%	-4%	-2%	-2%	0%	0%	2%	5%	3%
1949	Dry	0%	0%	0%	0%	-3%	-4%	0%	0%	-6%	-11%	-12%	-10%
1950	Below Norm	-7%	-6%	-5%	-3%	0%	0%	0%	0%	0%	0%	0%	0%
1951	Above Norm	-7%	-5%	0%	0%	0%	0%	0%	0%	-3%	-6%	-7%	-12%
1952	Wet	-15%	-12%	-5%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	-1%	0%
1954	Above Norm	0%	0%	0%	0%	0%	0%	0%	-3%	-6%	-6%	-5%	-5%
1955	Dry	-4%	-3%	-3%	-4%	-9%	-14%	-15%	-15%	-15%	-18%	-16%	-10%
1956	Wet	-11%	-10%	-5%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	-1%	-2%	-2%	-3%
1958	Wet	-3%	-2%	-2%	-3%	-1%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norm	0%	0%	0%	0%	0%	-1%	-2%	-2%	-1%	0%	0%	0%
1960	Dry	0%	0%	0%	0%	0%	3%	-1%	-2%	-1%	-7%	-10%	-8%
1961	Dry	-7%	-5%	-5%	-4%	-4%	-6%	-7%	-7%	-7%	-1%	1%	1%
1962	Below Norm	1%	1%	1%	1%	2%	2%	0%	0%	-1%	-1%	-10%	-17%
1963	Wet	-9%	0%	0%	0%	0%	-3%	-4%	0%	0%	-1%	-1%	-1%
1964	Dry	-1%	-1%	0%	0%	0%	1%	2%	2%	0%	-1%	1%	2%
1965	Wet	2%	2%	2%	2%	2%	-2%	-4%	-4%	-4%	-1%	-2%	-1%
1966	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	28%	-5%	0%	0%	0%	0%	0%	0%	0%	0%
1968	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	1%	-17%	-23%	-21%
1969	Wet	-20%	-19%	-21%	-12%	0%	0%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	2%	1%	1%	0%	0%	-3%	-7%
1971	Wet	-6%	-6%	-4%	1%	-1%	-2%	0%	0%	0%	0%	0%	0%
1972	Below Norm	0%	0%	0%	0%	0%	0%	0%	1%	-2%	0%	-3%	-11%
1973	Above Norm	-42%	-14%	-7%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	1%	0%	0%	-3%	-4%	-3%	-3%
1977	Critical	-3%	-2%	-1%	-1%	-1%	-1%	-1%	-1%	-10%	-7%	-7%	-11%
1978	Above Norm	-10%	3%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1979	Below Norm	0%	0%	1%	0%	0%	1%	-1%	-1%	-1%	-1%	1%	0%
1980	Above Norm	0%	13%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1982	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	-3%	-6%	-9%	-11%	-12%	-8%
1985	Dry	-3%	-2%	0%	0%	0%	5%	3%	3%	0%	-1%	-1%	0%
1986	Wet	0%	0%	1%	1%	0%	3%	2%	2%	2%	11%	10%	2%
1987	Dry	2%	3%	3%	3%	3%	1%	1%	0%	-1%	-1%	-2%	-2%
1988	Critical	-2%	-1%	-1%	-2%	-2%	-2%	-2%	-2%	-2%	-1%	-1%	0%
1989	Dry	0%	-1%	3%	6%	10%	11%	0%	0%	0%	-1%	-1%	1%
1990	Critical	3%	1%	0%	1%	1%	0%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1992	Critical	0%	0%	0%	0%	0%	0%	0%	-1%	-1%	-1%	-1%	-1%
1993	Above Norm	-1%	-2%	-1%	-2%	0%	0%	0%	0%	0%	0%	1%	0%
1994	Critical	0%	0%	0%	0%	0%	0%	0%	0%	-3%	-7%	-6%	-7%
1995	Wet	-6%	-4%	-7%	-6%	0%	0%	0%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	-7%	-12%	-11%
1998	Wet	-11%	-10%	-9%	-4%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norm	0%	0%	0%	0%	0%	0%	0%	-2%	-4%	-3%	-3%	-1%
2001	Dry	-1%	-1%	0%	-1%	-1%	-1%	-1%	-1%	-1%	0%	0%	0%
2002	Dry	0%	0%	0%	0%	-2%	-6%	-10%	-10%	-11%	-6%	-2%	-5%
2003	Below Norm	-6%	-4%	-3%	-2%	-2%	-3%	0%	0%	-8%	-15%	-9%	-3%
Average		-2%	-1%	-1%	0%	0%	0%	0%	-1%	-2%	-2%	-2%	-2%
Above Norm		-3%	-3%	-2%	-1%	0%	0%	0%	0%	0%	-1%	-2%	-2%
Below Norm		-5%	-1%	-1%	0%	0%	0%	0%	-1%	-4%	-4%	-3%	-3%
Dry		0%	1%	0%	0%	0%	0%	0%	0%	-1%	-2%	-3%	-5%
Critical		-2%	-1%	0%	0%	0%	0%	-1%	-2%	-3%	-3%	-2%	-2%

Difference in Energy Use (GWh) At Pumping Plant at Misc: CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1927	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1932	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1935	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1940	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1945	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1946	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1947	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1948	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1949	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1951	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1961	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1963	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1965	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1966	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Below Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Dry		0	0	0	0	0	0	0	0	0	0	0	0	0
Critical		0	0	0	0	0	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at Misc: CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1923	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1924	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1925	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1926	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1927	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1928	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1929	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1930	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1931	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1932	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1933	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1934	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1935	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1936	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1937	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1938	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1940	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1942	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1944	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1945	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1946	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1947	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1948	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1949	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1950	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1951	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1955	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1956	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1958	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1960	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1961	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1962	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1963	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1964	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1965	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1966	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1968	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1969	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1972	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1973	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1977	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1978	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1979	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1980	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1982	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1986	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1987	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1988	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1989	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1990	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1992	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1993	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1995	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1998	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2001	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2002	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2003	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Average		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Wet		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Above Norma		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Below Norma		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Dry		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Critical		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Difference in Energy Use (GWh) At Pumping Plant at O'Neill: CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	0	0	-1	-1	0	0
1924	Critical	0	0	-1	0	7	0	0	0	0	0	0	4	1
1925	Dry	3	0	0	-4	-12	-1	0	0	0	0	0	0	-1
1926	Dry	0	0	0	0	0	1	0	0	0	0	0	1	0
1927	Wet	1	0	0	0	-1	-1	0	0	0	2	0	0	0
1928	Above Norma	0	0	0	0	-1	-2	0	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	0	1	0	0	0	0	0	0	-1	0
1931	Critical	-1	0	0	0	8	0	0	0	0	0	0	0	1
1932	Dry	0	0	0	-4	-1	0	0	0	0	0	0	0	0
1933	Critical	0	0	-1	0	0	0	0	0	0	0	0	1	0
1934	Critical	0	1	0	-2	0	0	0	0	0	0	0	0	0
1935	Below Norma	0	0	0	0	0	-1	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	0	0	-1	0	0	0	0	0	0	0	0	0
1938	Wet	0	0	0	-1	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	1	0	0	0	1	0	2	0
1940	Above Norma	-1	-1	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	0	-1	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	2	0	0	0	-2	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1945	Below Norma	0	0	0	0	2	0	0	0	0	0	0	0	0
1946	Below Norma	0	0	0	0	0	1	0	0	0	2	0	0	0
1947	Dry	0	0	0	0	0	-3	0	0	0	0	0	0	0
1948	Below Norma	0	0	0	-2	0	0	0	0	0	0	1	0	0
1949	Dry	0	0	0	0	0	2	0	0	0	0	0	0	0
1950	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1951	Above Norma	4	0	0	-2	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	-1	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	-4	0	0	0	3	0	-1	0
1956	Wet	0	0	0	0	2	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	1	3	-3	1	0	0	0	0	0	0	0	0	0
1961	Dry	0	0	2	0	0	-3	0	0	0	0	0	3	0
1962	Below Norma	4	4	-1	0	0	0	0	0	0	-2	0	0	0
1963	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	0	0	0	0	3	3	0	0
1965	Wet	0	0	0	0	3	1	0	0	0	0	0	0	0
1966	Below Norma	0	0	0	0	1	3	0	0	0	0	0	0	0
1967	Wet	0	1	0	0	0	-1	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	-1	0	0	0
1969	Wet	1	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	1	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Norma	0	0	0	0	0	-1	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	-1	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	2	2	6	0	10	0	0	0	0	-4	0	-1	1
1978	Above Norma	-5	0	0	0	0	-4	0	0	0	0	0	0	-1
1979	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	Above Norma	0	0	0	0	5	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	1	0	0	0	0	-1	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	4	0	0	0	0	0	0	0
1986	Wet	0	0	0	0	0	3	1	0	-1	0	-1	0	0
1987	Dry	0	0	0	7	1	0	0	0	0	-1	0	1	1
1988	Critical	-2	0	0	0	1	0	0	0	0	0	0	0	0
1989	Dry	0	0	4	0	3	0	0	0	0	0	0	0	1
1990	Critical	0	0	0	0	1	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	Above Norma	0	0	1	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	4	0	0	0	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	-1	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	1	0	0	0
2002	Dry	-1	0	0	0	2	0	0	0	0	0	0	0	0
2003	Above Norma	2	1	0	0	-3	5	0	0	0	0	0	0	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Below Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Dry		0	0	0	0	0	0	0	0	0	0	0	0	0
Critical		0	0	0	0	2	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at O'Neill: CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1923	Below Norma	0%	0%	0%	0%	0%	-10%	4%	-	-	-66%	-69%	4%
1924	Critical	1%	-2%	-13%	0%	-	-	-	-	-	-	-	-
1925	Dry	105%	-22%	0%	-25%	-96%	-35%	4%	-	-	-	-	-1%
1926	Dry	0%	0%	1%	0%	0%	64%	9%	-	-	-	-	-
1927	Wet	54%	0%	0%	0%	-11%	-16%	0%	-	-	-	0%	0%
1928	Above Norma	0%	0%	0%	0%	-6%	-40%	0%	-	-	-	-14%	-3%
1929	Critical	-1%	0%	0%	0%	-2%	-	-	-	-	-	-	0%
1930	Dry	0%	0%	0%	0%	14%	2%	-	-	-	-	-	-31%
1931	Critical	-39%	2%	2%	0%	605%	-9%	-	-	-	-	-	0%
1932	Dry	0%	4%	0%	-30%	-46%	-	-	-	-	-	30%	0%
1933	Critical	0%	0%	-10%	-3%	-3%	-	-	-	-	-	-	50%
1934	Critical	4%	14%	-1%	-33%	0%	-	-	-	-	-	-	-
1935	Below Norma -	0%	0%	1%	0%	1%	-20%	-10%	-	-	-	-	0%
1936	Below Norma	0%	0%	1%	0%	-2%	-1%	-1%	8%	-	-	-	0%
1937	Below Norma	0%	0%	0%	-5%	-1%	-1%	-1%	-3%	-	-	-	0%
1938	Wet	3%	0%	0%	-24%	-3%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	-2%	0%	0%	0%	0%	30%	-	-	-	-	-	54%
1940	Above Norma	-12%	-17%	-3%	0%	-1%	0%	3%	-	-	-	4%	1%
1941	Wet	0%	0%	0%	0%	-7%	0%	0%	0%	0%	0%	0%	0%
1942	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	23%	0%	0%	0%	-22%	0%	0%	-9%	-	0%	0%	0%
1944	Dry	0%	0%	0%	0%	0%	-1%	-	-	-	-	-	1%
1945	Below Norma	-4%	0%	0%	0%	23%	1%	0%	-	-	0%	0%	0%
1946	Below Norma	0%	0%	0%	0%	9%	16%	-11%	-	-	-	-4%	-1%
1947	Dry	0%	0%	0%	0%	0%	-51%	-	-	-	-	-	0%
1948	Below Norma	-3%	0%	1%	-14%	0%	0%	-2%	-	-	-7%	68%	-1%
1949	Dry	0%	0%	0%	0%	0%	28%	-	-	-	0%	-2%	0%
1950	Below Norma	-7%	0%	0%	0%	0%	7%	-4%	-	-	-	-6%	-1%
1951	Above Norma	148%	0%	0%	-43%	11%	0%	0%	-	-	-	0%	0%
1952	Wet	0%	0%	0%	0%	0%	-10%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	-31%	0%	-	-	0%	0%	0%
1954	Above Norma	0%	0%	0%	0%	0%	0%	0%	-	-	-	0%	0%
1955	Dry	0%	0%	0%	0%	0%	-61%	-	-	-	-	-	-47%
1956	Wet	-2%	0%	0%	0%	15%	0%	0%	-4%	0%	0%	0%	0%
1957	Above Norma	-1%	0%	0%	4%	0%	0%	0%	-	-	0%	0%	0%
1958	Wet	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	0%	0%	0%	0%	-	-	-	0%	-5%	2%
1960	Dry	51%	36%	-42%	11%	3%	-1%	-	-	-	-	-	7%
1961	Dry	-2%	0%	15%	0%	0%	0%	-100%	-	-	2%	-10%	115%
1962	Below Norma -	0%	63%	-5%	0%	-1%	0%	-13%	-	-	-100%	-5%	-1%
1963	Wet	0%	0%	0%	0%	0%	10%	0%	-	-	-	0%	0%
1964	Dry	0%	0%	0%	0%	0%	-3%	-	-	-	-	-	-2%
1965	Wet	-3%	0%	0%	0%	29%	17%	-12%	-	-	-16%	-9%	-2%
1966	Below Norma	0%	0%	0%	0%	6%	68%	-1%	-	-	0%	0%	0%
1967	Wet	0%	10%	0%	0%	0%	-7%	0%	0%	0%	0%	0%	0%
1968	Below Norma	0%	0%	0%	0%	0%	0%	0%	-	-	-100%	0%	4%
1969	Wet	11%	0%	0%	0%	0%	2%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	11%	0%	-	-	-	-11%	-2%
1971	Wet	0%	0%	0%	0%	16%	0%	0%	-	-	-	0%	0%
1972	Below Norma	0%	0%	0%	0%	0%	0%	-	-	-	-	0%	0%
1973	Above Norma	0%	0%	0%	0%	0%	-10%	0%	-	-	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	-	-	0%	0%	0%
1975	Wet	2%	0%	0%	0%	0%	-7%	0%	-	-	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	12%	-	-	-	-	-	-
1977	Critical	74%	26%	301%	3%	842%	-	-	-	-	-100%	-	-42%
1978	Above Norma	-100%	-6%	1%	0%	0%	-34%	0%	0%	0%	0%	0%	0%
1979	Below Norma	0%	0%	0%	0%	0%	4%	0%	-34%	-	-19%	-10%	-2%
1980	Above Norma	0%	0%	0%	0%	58%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	0%	0%	4%	-	-	0%	0%	0%
1982	Wet	42%	0%	0%	0%	0%	-9%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	-	-	-	0%	0%
1985	Dry	0%	0%	0%	0%	0%	77%	-	-	-	-15%	-8%	-2%
1986	Wet	0%	0%	0%	0%	0%	84%	18%	-7%	-10%	-	-21%	-5%
1987	Dry	-1%	0%	0%	107%	21%	5%	-	-	-	-100%	-	52%
1988	Critical	-34%	0%	0%	0%	36%	-	-	-	-	-	-	-3%
1989	Dry	-1%	-5%	57%	0%	397%	0%	13%	-	-	-	-	1%
1990	Critical	6%	0%	2%	0%	11%	0%	-	-	-	-	-	-
1991	Critical	0%	0%	-1%	8%	4%	0%	-	-	-	-	-	0%
1992	Critical	0%	0%	0%	0%	0%	-8%	7%	-	-	-	-	-2%
1993	Above Norma	-2%	-11%	6%	0%	0%	0%	0%	-	-10%	-2%	1%	0%
1994	Critical	0%	0%	0%	0%	1%	0%	-	-	-	0%	0%	0%
1995	Wet	310%	0%	0%	0%	0%	0%	6%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	0%	-	-	-46%	0%	4%
1998	Wet	1%	0%	0%	0%	-2%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	-	-	-1%	0%	0%
2000	Above Norma	0%	0%	0%	0%	0%	0%	0%	-	-	-	0%	0%
2001	Dry	0%	0%	0%	0%	0%	-1%	-	-	-	-	-	-
2002	Dry	-9%	4%	0%	0%	125%	0%	79%	-	-	-9%	-2%	-1%
2003	Above Norma	38%	6%	0%	0%	-29%	132%	-8%	-	-	-	-10%	-2%
Average		8%	1%	4%	-1%	25%	1%	1%	-2%	-1%	-14%	-1%	2%
Wet		17%	0%	0%	-1%	1%	2%	0%	-1%	0%	-2%	-2%	0%
Above Norma		6%	-2%	0%	-3%	3%	4%	0%	0%	-1%	0%	-2%	0%
Below Norma		-1%	4%	0%	-1%	2%	5%	-3%	-2%	0%	-21%	-2%	0%
Dry		8%	1%	2%	3%	23%	-3%	6%	0%	0%	-7%	0%	8%
Critical		1%	3%	23%	-2%	124%	0%	1%	0%	0%	-8%	0%	0%

Difference in Energy Use (GWh) At Pumping Plant at Red Bluff: CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1927	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1932	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1935	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1940	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1945	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1946	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1947	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1948	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1949	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1951	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1961	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1963	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1965	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1966	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Below Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Dry		0	0	0	0	0	0	0	0	0	0	0	0	0
Critical		0	0	0	0	0	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at Red Bluff: CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	-	-	-	-	0%	-	-	-	-	-	0%
1923	Below Norma	0%	-	-	-	-	-14%	-	-	-	-	-	-18%
1924	Critical	-9%	-14%	-	-	-	0%	-	-	-	-	-	0%
1925	Dry	0%	-	-	-	-	-	-	-	-	-	-	10%
1926	Dry	6%	-	-	-	-	15%	-	-	-	-	-	-86%
1927	Wet	3%	-	-	-	-	0%	-	-	-	-	-	0%
1928	Above Norma	0%	-	-	-	-	-	-	-	-	-	-	32%
1929	Critical	8%	-	-	-	-	4%	-	-	-	-	-	4%
1930	Dry	1%	0%	-	-	-	-	-	-	-	-	-	2%
1931	Critical	1%	0%	-	-	-	0%	-	-	-	-	-	0%
1932	Dry	0%	0%	-	-	-	-4%	-	-	-	-	-	-2%
1933	Critical	-1%	0%	-	-	-	0%	-	-	-	-	-	0%
1934	Critical	0%	0%	-	-	-	-13%	-	-	-	-	-	-5%
1935	Below Norma	-2%	-	-	-	-	-	-	-	-	-	-	0%
1936	Below Norma	0%	-	-	-	-	-1%	-	-	-	-	-	-8%
1937	Below Norma	-1%	-1%	-	-	-	-	-	-	-	-	-	-4%
1938	Wet	-1%	-	-	-	-	-	-	-	-	-	-	0%
1939	Dry	0%	0%	-	-	0%	24%	-	-	-	-	-	21%
1940	Above Norma	9%	21%	-	-	-	-	-	-	-	-	-	0%
1941	Wet	0%	-	-	-	-	-	-	-	-	-	-	0%
1942	Wet	0%	-	-	-	-	-	-	-	-	-	-	0%
1943	Wet	0%	-	-	-	-	1%	-	-	-	-	-	2%
1944	Dry	1%	1%	-	-	-	20%	-	-	-	-	-	143%
1945	Below Norma	9%	-	-	-	-	-	-	-	-	-	-	1%
1946	Below Norma	0%	-100%	-	-	-	20%	-	-	-	-	-	8%
1947	Dry	6%	-	-	-	-	-	-	-	-	-	-	4%
1948	Below Norma	0%	-	-	-	4%	14%	-	-	-	-	-	-1%
1949	Dry	-1%	0%	-	-	-	-	-	-	-	-	-	19%
1950	Below Norma	6%	8%	-	-	-	11%	-	-	-	-	-	13%
1951	Above Norma	1%	-	-	-	-	0%	-	-	-	-	-	0%
1952	Wet	0%	-	-	-	-	-	-	-	-	-	-	0%
1953	Wet	0%	-	-	-	-	20%	-	-	-	-	-	0%
1954	Above Norma	0%	-	-	-	-	-	-	-	-	-	-	0%
1955	Dry	0%	-	-	-	-	21%	-	-	-	-	-	21%
1956	Wet	10%	-	-	-	-	0%	-	-	-	-	-	0%
1957	Above Norma	0%	0%	-	-	-	20%	-	-	-	-	-	5%
1958	Wet	0%	6%	-	-	-	-	-	-	-	-	-	0%
1959	Below Norma	0%	0%	-	-	-	0%	-	-	-	-	-	0%
1960	Dry	0%	0%	-	-	-	84%	-	-	-	-	-	12%
1961	Dry	5%	-	-	-	-	-	-	-	-	-	-	55%
1962	Below Norma	9%	-	-	-	-	-	-	-	-	-	-	28%
1963	Wet	0%	-	-	-	-	-	-	-	-	-	-	0%
1964	Dry	0%	-	-	-	-	25%	-	-	-	-	-	25%
1965	Wet	5%	-	-	-	-	19%	-	-	-	-	-	19%
1966	Below Norma	7%	-	-	-	-	0%	-	-	-	-	-	0%
1967	Wet	0%	-	-	-	-	0%	-	-	-	-	-	0%
1968	Below Norma	0%	0%	-	-	-	21%	-	-	-	-	-	29%
1969	Wet	9%	-	-	-	-	0%	-	-	-	-	-	0%
1970	Wet	0%	0%	-	-	-	18%	-	-	-	-	-	56%
1971	Wet	11%	-	-	-	-	8%	-	-	-	-	-	0%
1972	Below Norma	0%	0%	-	-	0%	22%	-	-	-	-	-	140%
1973	Above Norma	1%	-	-	-	-	-	-	-	-	-	-	0%
1974	Wet	0%	-	-	-	-	-	-	-	-	-	-	0%
1975	Wet	0%	0%	-	-	-	-	-	-	-	-	-	0%
1976	Critical	0%	0%	-	-	0%	25%	-	-	-	-	-	25%
1977	Critical	8%	25%	-	-	25%	0%	-	-	-	-	-	0%
1978	Above Norma	0%	-	-	-	-	-	-	-	-	-	-	0%
1979	Below Norma	0%	-	-	-	-	0%	-	-	-	-	-	21%
1980	Above Norma	2%	0%	-	-	-	-	-	-	-	-	-	0%
1981	Dry	0%	0%	-	-	-	-	-	-	-	-	-	0%
1982	Wet	0%	-	-	-	-	-	-	-	-	-	-	0%
1983	Wet	0%	-	-	-	-	-	-	-	-	-	-	0%
1984	Wet	0%	-	-	-	-	0%	-	-	-	-	-	0%
1985	Dry	0%	-	-	-	-	-	-	-	-	-	-	23%
1986	Wet	15%	-	-	-	-	-	-	-	-	-	-	173%
1987	Dry	14%	22%	-	-	-	9%	-	-	-	-	-	2%
1988	Critical	1%	-	-	-	-	12%	-	-	-	-	-	12%
1989	Dry	5%	0%	-	-	12%	-	-	-	-	-	-	6%
1990	Critical	2%	1%	-	-	-	-	-	-	-	-	-	-
1991	Critical	0%	0%	-	-	-	-	-	-	-	-	-	0%
1992	Critical	0%	0%	-	-	-	-	-	-	-	-	-	-1%
1993	Above Norma	0%	0%	-	-	-	-	-	-	-	-	-	0%
1994	Critical	0%	0%	-	-	-	0%	-	-	-	-	-	0%
1995	Wet	0%	-	-	-	-	-	-	-	-	-	-	0%
1996	Wet	0%	0%	-	-	-	-	-	-	-	-	-	0%
1997	Wet	0%	0%	-	-	-	7%	-	-	-	-	-	7%
1998	Wet	5%	-	-	-	-	-	-	-	-	-	-	0%
1999	Wet	0%	0%	-	-	-	-	-	-	-	-	-	0%
2000	Above Norma	0%	0%	-	-	-	-	-	-	-	-	-	0%
2001	Dry	0%	0%	-	-	-	27%	-	-	-	-	-	32%
2002	Dry	12%	0%	-	-	-	22%	-	-	-	-	-	24%
2003	Above Norma	16%	0%	-	-	-	-	-	-	-	-	-	0%
Average		2%	-1%	#DIV/0!	#DIV/0!	7%	10%	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	10%
Wet		2%	0%	0%	0%	0%	3%	0%	0%	0%	0%	0%	10%
Above Norma		2%	2%	0%	0%	0%	2%	0%	0%	0%	0%	0%	3%
Below Norma		2%	-7%	0%	0%	0%	5%	0%	0%	0%	0%	0%	15%
Dry		3%	1%	0%	0%	1%	13%	0%	0%	0%	0%	0%	17%
Critical		1%	1%	0%	0%	2%	2%	0%	0%	0%	0%	0%	3%

Difference in Energy Use (GWh) At Pumping Plant at San Felipe: CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	0	-1	-1	-1	-1	0
1924	Critical	-1	-1	-1	-1	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1927	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	0	0	0	0	0	0	1	1	1	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1932	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1935	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	0	0	1	1	1	1	0
1940	Above Norma	1	1	1	1	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	0	1	1	1	0
1945	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1946	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1947	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1948	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1949	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1951	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1961	Dry	0	0	0	0	0	0	0	0	0	1	1	1	0
1962	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1963	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	0	0	1	1	1	1	1	0
1965	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1966	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	1	1	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	-1	-1	0
1978	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	Below Norma	0	0	0	0	0	0	0	0	0	0	0	1	0
1980	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	Wet	0	0	0	0	0	0	0	0	0	1	1	1	0
1987	Dry	1	1	1	1	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	Above Norma	0	0	0	0	0	0	0	0	0	1	-5	1	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Below Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Dry		0	0	0	0	0	0	0	0	0	0	0	0	0
Critical		0	0	0	0	0	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at San Felipe: CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	1%	1%	1%	0%	0%	0%	0%	0%	0%
1923	Below Norma	-1%	-1%	-1%	-1%	-2%	-12%	-8%	-16%	-17%	-17%	-16%	-14%
1924	Critical	-14%	-14%	-13%	-14%	-20%	-16%	-15%	-14%	-11%	-10%	-11%	-11%
1925	Dry	-11%	-11%	-12%	-13%	-8%	-1%	1%	4%	5%	5%	6%	5%
1926	Dry	5%	6%	7%	10%	9%	6%	9%	8%	7%	6%	6%	3%
1927	Wet	1%	-1%	-2%	0%	4%	1%	0%	1%	1%	0%	-3%	-4%
1928	Above Norma	-4%	-4%	-4%	-3%	-1%	-2%	2%	11%	13%	13%	12%	11%
1929	Critical	9%	7%	6%	7%	8%	0%	0%	0%	0%	1%	2%	2%
1930	Dry	3%	3%	3%	3%	3%	0%	2%	5%	6%	-2%	-5%	-1%
1931	Critical	0%	0%	0%	1%	-3%	-9%	-8%	-9%	-8%	-6%	-5%	-6%
1932	Dry	-6%	-7%	-8%	-5%	-1%	-1%	-1%	-1%	-2%	-2%	-3%	-3%
1933	Critical	-4%	-5%	-5%	-6%	-4%	0%	0%	0%	0%	0%	-1%	-1%
1934	Critical	-2%	-2%	-3%	-2%	-1%	-2%	-3%	-4%	-4%	-5%	-5%	-5%
1935	Below Norma	-5%	-4%	-4%	-6%	-7%	-1%	-6%	0%	0%	0%	0%	0%
1936	Below Norma	0%	0%	0%	0%	0%	-1%	-1%	-1%	-1%	-1%	-1%	-1%
1937	Below Norma	-1%	-2%	-2%	-2%	-2%	-1%	0%	-1%	-2%	-2%	-2%	-2%
1938	Wet	-3%	-3%	-3%	-4%	-4%	-1%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	1%	1%	1%	1%	3%	18%	19%	20%	19%	17%	15%
1940	Above Norma	15%	15%	16%	18%	20%	-1%	-2%	-2%	-3%	-3%	-4%	-4%
1941	Wet	-4%	-4%	-4%	-3%	-2%	2%	2%	2%	2%	1%	1%	0%
1942	Wet	0%	0%	-1%	-1%	0%	0%	0%	0%	0%	0%	-1%	-1%
1943	Wet	-2%	-3%	-3%	-3%	-1%	0%	0%	0%	0%	0%	0%	0%
1944	Dry	0%	0%	0%	0%	2%	12%	15%	17%	18%	16%	14%	11%
1945	Above Norma	11%	9%	8%	11%	14%	0%	-1%	-1%	-1%	0%	0%	0%
1946	Below Norma	0%	0%	0%	0%	0%	-1%	2%	3%	3%	1%	0%	0%
1947	Dry	-1%	-2%	-1%	0%	1%	-1%	4%	5%	7%	7%	4%	4%
1948	Below Norma	2%	1%	2%	3%	5%	5%	2%	4%	3%	4%	5%	3%
1949	Dry	5%	6%	6%	5%	5%	1%	0%	-1%	-2%	-1%	1%	0%
1950	Below Norma	-1%	0%	0%	0%	0%	0%	3%	3%	4%	5%	5%	4%
1951	Above Norma	2%	-1%	-1%	3%	6%	0%	0%	-2%	-4%	-3%	-1%	-1%
1952	Wet	-1%	-3%	-3%	-3%	-3%	-2%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	1%	1%	0%	-1%
1954	Above Norma	-1%	-1%	-1%	-1%	-1%	0%	0%	0%	0%	0%	0%	1%
1955	Dry	0%	-1%	-1%	-1%	-2%	-1%	4%	7%	9%	7%	6%	6%
1956	Wet	8%	7%	8%	14%	14%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norma	1%	1%	1%	1%	0%	0%	1%	2%	2%	2%	1%	1%
1958	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%
1960	Dry	-1%	-7%	-9%	-8%	-10%	2%	-7%	-2%	2%	2%	2%	2%
1961	Dry	2%	1%	4%	8%	10%	4%	5%	14%	16%	15%	15%	12%
1962	Below Norma	8%	4%	2%	5%	7%	1%	-4%	-6%	-4%	1%	3%	2%
1963	Wet	1%	-1%	-2%	-2%	-2%	-7%	-6%	-6%	-4%	-2%	-2%	-1%
1964	Dry	-1%	-1%	-1%	2%	6%	15%	-23%	27%	28%	22%	15%	11%
1965	Wet	11%	10%	11%	18%	18%	14%	15%	5%	3%	2%	4%	5%
1966	Below Norma	7%	9%	9%	11%	10%	-2%	0%	0%	0%	0%	0%	0%
1967	Wet	1%	1%	1%	3%	2%	0%	0%	0%	0%	-1%	-1%	-1%
1968	Below Norma	-1%	-1%	0%	0%	0%	0%	0%	0%	0%	2%	5%	4%
1969	Wet	2%	1%	1%	3%	2%	0%	0%	0%	0%	0%	-1%	-1%
1970	Wet	-1%	-2%	-1%	0%	0%	10%	0%	7%	9%	10%	9%	7%
1971	Wet	7%	6%	6%	8%	8%	-1%	-1%	-1%	-1%	-1%	0%	0%
1972	Below Norma	0%	-1%	-1%	1%	3%	4%	5%	7%	6%	3%	0%	-1%
1973	Above Norma	-1%	0%	1%	0%	-1%	1%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	-1%	-1%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	5%	8%	10%	13%	10%	9%	9%
1977	Critical	7%	3%	-3%	-4%	-6%	-19%	-19%	-20%	-20%	-18%	-18%	-19%
1978	Above Norma	-19%	-18%	-19%	-12%	-4%	-4%	0%	1%	3%	2%	1%	0%
1979	Below Norma	1%	2%	3%	2%	1%	5%	0%	6%	8%	7%	8%	9%
1980	Above Norma	9%	9%	10%	12%	9%	0%	0%	0%	0%	0%	1%	1%
1981	Dry	1%	1%	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%
1982	Wet	-1%	-1%	-1%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	1%	1%	1%	1%	13%	6%	6%	6%	6%	7%	6%
1986	Wet	7%	6%	6%	6%	8%	18%	15%	17%	21%	22%	23%	26%
1987	Dry	27%	26%	27%	31%	34%	14%	9%	8%	9%	5%	3%	0%
1988	Critical	-1%	1%	0%	1%	0%	1%	2%	2%	2%	3%	5%	5%
1989	Dry	5%	4%	2%	1%	1%	-6%	-4%	-3%	-1%	1%	3%	2%
1990	Critical	1%	0%	0%	3%	5%	0%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	0%	0%	0%	-1%	0%	0%	0%	1%	1%	1%
1992	Critical	2%	2%	2%	2%	2%	1%	-1%	-1%	-1%	-1%	-1%	-1%
1993	Above Norma	-1%	0%	-1%	-2%	-3%	0%	0%	2%	3%	2%	1%	1%
1994	Critical	1%	1%	1%	1%	2%	1%	3%	5%	5%	4%	4%	4%
1995	Wet	1%	0%	3%	7%	8%	6%	4%	5%	6%	7%	8%	8%
1996	Wet	9%	9%	7%	2%	0%	0%	0%	0%	0%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	0%	1%	1%	1%	1%	1%
1998	Wet	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norma	0%	0%	0%	3%	5%	2%	0%	1%	1%	1%	1%	0%
2001	Dry	0%	0%	0%	0%	0%	1%	7%	9%	11%	10%	11%	8%
2002	Dry	7%	4%	4%	11%	16%	6%	1%	6%	7%	6%	5%	4%
2003	Above Norma	3%	-2%	-6%	-5%	-2%	-2%	9%	9%	10%	11%	-64%	9%
Average		1%	1%	0%	1%	2%	1%	1%	2%	2%	2%	1%	2%
Wet		1%	1%	1%	2%	2%	2%	1%	1%	1%	1%	1%	2%
Above Norma		0%	0%	0%	1%	3%	0%	1%	2%	2%	2%	-4%	2%
Below Norma		1%	1%	1%	2%	2%	0%	0%	0%	0%	0%	0%	0%
Dry		2%	1%	1%	3%	4%	4%	5%	7%	8%	7%	6%	5%
Critical		0%	-1%	-1%	-1%	-1%	-3%	-3%	-2%	-2%	-2%	-2%	-2%

Difference in Energy Use (GWh) At Pumping Plant at San Luis Other: CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	-1	0	-1	-2	-3	-2	0	-1
1924	Critical	0	0	-1	-1	-1	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	0	0	0	0	1	1	1	1	0	0
1926	Dry	0	0	0	0	0	0	0	0	1	1	1	0	0
1927	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	0	0	0	0	1	2	2	1	0	1
1929	Critical	0	0	0	1	1	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1932	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1935	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	1	1	1	2	3	2	0	1
1940	Above Norma	0	0	1	1	1	0	0	0	-1	-1	-1	0	0
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	1	1	1	2	2	2	0	1
1945	Below Norma	0	0	0	1	1	0	0	0	0	0	0	0	0
1946	Below Norma	0	0	0	0	0	0	0	0	1	1	0	0	0
1947	Dry	0	0	0	0	0	0	0	0	0	1	0	0	0
1948	Below Norma	0	0	0	0	0	0	0	0	1	1	0	0	0
1949	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Norma	0	0	0	0	0	0	0	1	1	1	1	0	0
1951	Above Norma	0	0	0	0	0	0	0	0	0	0	2	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	1	1	1	2	2	2	0	1
1956	Wet	0	0	0	1	1	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	1	0	0	1	1	1	0	0
1961	Dry	0	0	0	0	0	1	0	1	1	2	1	0	1
1962	Below Norma	0	0	0	1	1	0	0	0	1	1	1	0	0
1963	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	1	1	1	2	3	2	0	1
1965	Wet	0	0	1	1	1	1	1	1	1	1	1	0	1
1966	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	1	0	1	1	2	-5	0	0
1971	Wet	0	0	0	1	1	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	1	1	1	1	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	Below Norma	0	0	0	0	0	0	0	1	1	2	1	0	0
1980	Above Norma	0	0	0	1	1	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	1	0	1	1	1	1	0	0
1986	Wet	0	0	0	0	0	1	1	2	3	4	2	1	1
1987	Dry	0	0	1	1	1	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	1	1	0	0	0
1989	Dry	0	0	0	0	0	0	0	1	1	1	1	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	0	-1	0	0
2001	Dry	0	0	0	0	0	1	1	1	2	3	2	0	1
2002	Dry	0	0	1	1	1	0	0	0	1	1	1	0	0
2003	Above Norma	0	0	0	0	0	0	1	1	1	2	-3	0	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Below Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Dry		0	0	0	0	0	0	0	1	1	1	1	0	0
Critical		0	0	0	0	0	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at San Luis Other: CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1923	Below Norma	0%	0%	0%	0%	0%	-11%	-5%	-13%	-13%	-13%	-13%	-12%
1924	Critical	-13%	-13%	-13%	-13%	-13%	0%	0%	0%	0%	0%	0%	0%
1925	Dry	0%	0%	0%	0%	0%	6%	6%	8%	9%	9%	8%	8%
1926	Dry	8%	8%	9%	9%	9%	12%	12%	12%	12%	12%	12%	10%
1927	Wet	10%	11%	12%	13%	13%	1%	0%	0%	0%	0%	0%	0%
1928	Above Norma	0%	0%	0%	0%	0%	-4%	0%	11%	12%	12%	11%	11%
1929	Critical	11%	11%	12%	12%	12%	3%	2%	2%	3%	-3%	2%	2%
1930	Dry	2%	2%	3%	3%	3%	3%	2%	2%	2%	2%	2%	1%
1931	Critical	1%	1%	2%	2%	2%	0%	0%	0%	0%	0%	0%	0%
1932	Dry	0%	0%	0%	0%	0%	-3%	-3%	-3%	-3%	-3%	-3%	-2%
1933	Critical	-2%	-2%	-3%	-3%	-3%	0%	0%	0%	0%	0%	0%	0%
1934	Critical	0%	0%	0%	0%	0%	-9%	-8%	-8%	-9%	-9%	-8%	-6%
1935	Below Norma	-7%	-8%	-9%	-10%	-9%	0%	-15%	0%	0%	0%	0%	0%
1936	Below Norma	0%	0%	0%	0%	0%	-1%	-1%	-1%	-1%	-1%	-1%	-1%
1937	Below Norma	-1%	-1%	-1%	-1%	-1%	-2%	-2%	-3%	-4%	-4%	-3%	-3%
1938	Wet	-3%	-3%	-4%	-4%	-4%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	0%	21%	19%	19%	19%	19%	19%	17%
1940	Above Norma	18%	18%	19%	20%	19%	-5%	-4%	-4%	-4%	-4%	-4%	-4%
1941	Wet	-4%	-4%	-4%	-4%	-4%	0%	0%	0%	0%	0%	0%	0%
1942	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1944	Dry	0%	0%	0%	0%	0%	18%	17%	18%	18%	18%	18%	16%
1945	Below Norma	16%	17%	18%	19%	18%	1%	0%	0%	0%	0%	0%	0%
1946	Below Norma	0%	0%	0%	0%	0%	0%	4%	4%	4%	4%	4%	4%
1947	Dry	4%	4%	4%	4%	4%	6%	4%	4%	4%	4%	4%	3%
1948	Below Norma	3%	4%	4%	4%	4%	11%	4%	3%	3%	3%	3%	3%
1949	Dry	3%	3%	3%	4%	3%	12%	0%	0%	0%	0%	0%	0%
1950	Below Norma	0%	0%	0%	0%	0%	9%	11%	11%	11%	11%	11%	9%
1951	Above Norma	10%	10%	11%	12%	11%	0%	0%	0%	0%	0%	15%	0%
1952	Wet	0%	0%	0%	0%	0%	2%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1955	Dry	0%	0%	0%	0%	0%	18%	18%	18%	19%	19%	18%	16%
1956	Wet	16%	17%	18%	19%	19%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1958	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1960	Dry	0%	0%	0%	0%	0%	54%	9%	9%	10%	10%	9%	8%
1961	Dry	8%	9%	10%	10%	10%	19%	0%	9%	10%	10%	9%	9%
1962	Below Norma	9%	9%	10%	10%	10%	6%	5%	5%	5%	5%	5%	5%
1963	Wet	5%	5%	5%	5%	5%	-1%	0%	0%	0%	0%	0%	0%
1964	Dry	0%	0%	0%	0%	0%	22%	21%	22%	22%	22%	22%	19%
1965	Wet	20%	21%	22%	23%	22%	18%	17%	6%	6%	6%	6%	6%
1966	Below Norma	6%	6%	6%	6%	6%	-5%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1968	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1969	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	12%	0%	9%	9%	9%	-41%	8%
1971	Wet	8%	9%	9%	9%	9%	0%	0%	0%	0%	0%	0%	0%
1972	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1973	Above Norma	0%	0%	0%	0%	0%	2%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	20%	19%	19%	20%	20%	19%	16%
1977	Critical	17%	18%	20%	21%	21%	0%	0%	0%	0%	0%	0%	0%
1978	Above Norma	0%	0%	0%	0%	0%	-2%	0%	0%	0%	0%	0%	0%
1979	Below Norma	0%	0%	0%	0%	0%	5%	0%	8%	8%	8%	8%	7%
1980	Above Norma	7%	8%	8%	8%	8%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1982	Wet	0%	0%	0%	0%	0%	2%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	17%	7%	7%	7%	7%	7%	6%
1986	Wet	6%	6%	7%	7%	7%	21%	20%	20%	21%	21%	20%	19%
1987	Dry	19%	20%	21%	21%	21%	8%	2%	2%	2%	2%	2%	2%
1988	Critical	2%	2%	2%	2%	2%	10%	9%	10%	10%	10%	10%	8%
1989	Dry	8%	9%	10%	11%	10%	0%	10%	10%	10%	10%	10%	9%
1990	Critical	9%	10%	10%	11%	11%	0%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	0%	0%	0%	0%	1%	1%	1%	1%	1%	0%
1992	Critical	1%	1%	1%	1%	1%	0%	-2%	-2%	-3%	-3%	-2%	-2%
1993	Above Norma	-2%	-2%	-3%	-3%	-3%	1%	1%	1%	1%	1%	1%	1%
1994	Critical	1%	1%	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%
1995	Wet	0%	0%	0%	0%	0%	-1%	-1%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1998	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-6%	0%
2001	Dry	0%	0%	0%	0%	0%	23%	27%	27%	28%	28%	27%	23%
2002	Dry	24%	26%	28%	29%	28%	7%	0%	4%	4%	4%	4%	4%
2003	Above Norma	4%	4%	4%	4%	4%	1%	11%	11%	11%	11%	-26%	10%
Average		3%	3%	3%	3%	3%	4%	3%	3%	3%	3%	2%	3%
Wet		2%	2%	3%	3%	3%	2%	1%	1%	1%	1%	-1%	1%
Above Norma		3%	3%	3%	3%	3%	-1%	1%	2%	2%	2%	-1%	1%
Below Norma		2%	2%	2%	2%	2%	1%	0%	1%	1%	1%	1%	1%
Dry		4%	5%	5%	5%	5%	14%	8%	9%	10%	10%	9%	8%
Critical		2%	2%	3%	3%	3%	2%	2%	2%	2%	2%	2%	1%

Difference in Energy Use (GWh) At Pumping Plant at System Total: CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	2	0	0	0	0	-5	-1	-4	-5	-25	-17	1	-4
1924	Critical	1	-9	-14	2	53	0	0	0	0	4	0	46	7
1925	Dry	31	-4	4	-50	-157	-18	2	1	7	10	4	-1	-14
1926	Dry	-2	-1	0	-3	3	16	3	15	3	2	1	20	5
1927	Wet	8	3	1	1	-29	-10	0	-8	0	30	3	0	0
1928	Above Norma	1	4	1	1	-21	-27	0	3	4	32	10	-1	1
1929	Critical	0	1	0	-1	-3	0	0	1	7	6	0	0	1
1930	Dry	0	0	0	-1	17	0	0	0	1	27	-18	-9	1
1931	Critical	-13	2	2	0	78	-2	0	0	0	-1	0	1	5
1932	Dry	2	8	2	-62	-7	0	0	0	0	0	0	0	-5
1933	Critical	0	1	-6	0	0	0	0	0	0	0	0	16	1
1934	Critical	2	6	0	-24	0	0	0	0	-1	-1	-1	-3	-2
1935	Below Norma	-1	1	2	1	1	-13	-2	0	0	0	0	0	-1
1936	Below Norma	0	0	1	0	-1	0	-1	0	0	-2	1	0	0
1937	Below Norma	0	0	0	-7	0	0	0	-2	-1	-1	0	1	-1
1938	Wet	3	1	1	-15	-1	0	0	0	0	0	0	0	-1
1939	Dry	-4	0	0	0	0	12	2	15	5	32	22	24	9
1940	Above Norma	-5	-11	0	-1	-3	0	0	-1	-1	-2	-1	0	-2
1941	Wet	0	0	0	0	-10	0	0	0	0	0	0	0	-1
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	13	1	1	1	-25	0	0	-1	0	0	0	0	-1
1944	Dry	0	0	0	0	0	-3	2	3	18	24	17	2	5
1945	Below Norma	-2	0	-1	-2	26	0	0	-3	0	0	0	0	2
1946	Below Norma	0	0	0	0	2	24	0	1	1	31	-5	0	4
1947	Dry	1	7	1	0	-1	-33	0	1	-9	13	10	0	-1
1948	Below Norma	-1	2	1	-18	-1	-1	-1	1	1	4	20	0	1
1949	Dry	1	-1	-4	-1	-1	19	0	0	0	0	0	0	1
1950	Below Norma	-4	2	1	0	0	4	-3	25	2	5	1	-1	3
1951	Above Norma	44	0	-1	-26	3	0	0	20	7	-9	4	0	3
1952	Wet	0	2	1	1	1	-14	0	0	0	0	0	0	-1
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	1	0	0	0	0	0	0	0	0	-3	0	0	0
1955	Dry	0	1	0	0	0	-51	2	3	18	30	40	-8	3
1956	Wet	-1	-2	-2	-4	19	0	0	-1	0	0	0	0	1
1957	Above Norma	-2	0	0	5	0	0	0	0	0	-6	7	0	0
1958	Wet	0	0	0	0	0	1	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	-1	1	0
1960	Dry	12	38	-21	27	15	2	1	-11	-3	-3	-3	4	5
1961	Dry	0	0	16	-2	-10	-24	0	3	3	12	2	33	3
1962	Below Norma	37	38	0	-9	-1	0	0	11	1	-18	7	2	6
1963	Wet	1	5	1	1	13	5	0	0	0	4	0	0	2
1964	Dry	0	1	0	-1	0	-4	3	-9	-12	51	45	1	6
1965	Wet	0	0	-1	-3	32	6	2	2	2	6	2	0	4
1966	Below Norma	-2	-1	-2	-3	19	38	0	0	0	0	0	0	4
1967	Wet	0	8	0	-1	-1	-11	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	-19	14	2	0
1969	Wet	5	-1	0	-1	-1	2	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	5	0	2	3	6	-11	0	0
1971	Wet	0	0	0	-1	24	0	0	0	0	0	0	0	2
1972	Below Norma	0	1	0	0	0	0	0	0	8	1	0	0	1
1973	Above Norma	-1	0	0	0	0	-15	0	0	0	0	0	0	-1
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	3	0	0	0	0	-7	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	2	2	7	8	11	2	7	3
1977	Critical	19	33	62	5	108	0	-1	-1	-1	-47	-28	-6	12
1978	Above Norma	-46	2	4	5	2	-48	0	0	0	0	0	0	-7
1979	Below Norma	0	-4	0	0	0	2	0	2	3	9	4	-1	1
1980	Above Norma	-1	-5	-1	-3	58	0	0	0	0	0	0	0	4
1981	Dry	0	0	0	0	0	0	0	0	1	0	-1	0	0
1982	Wet	11	1	0	0	0	-14	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	-1	0	0	0	52	1	2	-7	3	8	0	5
1986	Wet	0	-1	0	-1	-2	37	11	-7	5	35	5	-3	7
1987	Dry	-2	-2	-4	80	9	1	3	1	1	-10	13	12	9
1988	Critical	-22	0	0	0	11	0	0	1	6	7	2	0	0
1989	Dry	0	-2	43	1	25	2	3	1	-1	-1	-3	1	6
1990	Critical	3	1	2	0	6	0	0	0	0	0	0	0	1
1991	Critical	0	0	0	4	1	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	-1	-4	0	-2	-2	-1	-3	-1	-1
1993	Above Norma	-1	-4	7	0	1	0	0	0	0	0	1	0	0
1994	Critical	0	0	0	0	1	0	0	0	-17	1	1	0	-1
1995	Wet	38	0	-8	-1	-2	-2	5	0	0	0	0	0	2
1996	Wet	-1	-2	-2	0	0	0	0	0	2	0	0	0	0
1997	Wet	0	0	0	0	-6	0	0	2	0	-3	1	2	0
1998	Wet	0	0	0	0	-3	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	-1	-1	0	0	0	0	-3	-2	0	-1
2001	Dry	0	0	1	0	0	-3	2	4	19	23	13	10	6
2002	Dry	-5	5	-1	-3	27	-1	0	1	2	3	11	0	3
2003	Above Norma	25	18	8	2	-32	60	1	2	-10	5	-11	0	6
Average		2	2	1	-1	3	0	0	1	1	3	2	2	1
Wet		3	1	0	-1	0	0	1	0	0	3	0	0	1
Above Norma		1	0	1	-1	0	-3	0	2	0	1	1	0	0
Below Norma		2	3	0	-3	3	4	0	2	1	-1	2	0	1
Dry		2	3	2	-1	-4	-2	1	2	3	12	9	5	3
Critical		-1	3	4	-1	21	0	0	1	0	-2	-2	5	2

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at System Total: CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1923	Below Norm	1%	0%	0%	0%	0%	-7%	-1%	-5%	-5%	-16%	-13%	0%
1924	Critical	1%	-6%	-12%	1%	167%	-2%	-1%	-1%	-1%	8%	-2%	142%
1925	Dry	55%	-12%	2%	-28%	-91%	-26%	2%	2%	11%	9%	8%	-1%
1926	Dry	-2%	0%	0%	-2%	2%	35%	4%	40%	8%	3%	4%	52%
1927	Wet	14%	3%	1%	1%	-18%	-14%	0%	-10%	0%	24%	2%	0%
1928	Above Norm	1%	3%	1%	0%	-14%	-32%	0%	3%	4%	33%	7%	0%
1929	Critical	0%	1%	0%	0%	-3%	-1%	0%	3%	23%	10%	1%	0%
1930	Dry	0%	0%	0%	0%	13%	1%	0%	0%	3%	48%	-31%	-11%
1931	Critical	-17%	2%	2%	0%	274%	-5%	-1%	0%	-1%	-1%	2%	1%
1932	Dry	2%	10%	1%	-34%	-28%	-1%	0%	-1%	0%	-1%	0%	0%
1933	Critical	0%	1%	-8%	-2%	-1%	0%	0%	0%	0%	0%	0%	23%
1934	Critical	3%	11%	0%	-31%	0%	-1%	-1%	-1%	-2%	-2%	-3%	-9%
1935	Below Norm	-2%	1%	1%	1%	1%	-15%	-4%	0%	0%	0%	0%	0%
1936	Below Norm	0%	0%	1%	0%	-2%	-1%	-1%	0%	0%	-2%	1%	0%
1937	Below Norm	0%	0%	0%	-5%	-1%	-1%	-1%	-2%	-2%	-1%	-1%	1%
1938	Wet	3%	0%	1%	-23%	-3%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	-3%	0%	0%	0%	0%	19%	4%	21%	6%	31%	25%	28%
1940	Above Norm	-5%	-12%	-1%	-1%	-2%	0%	-1%	-1%	-1%	-2%	-1%	0%
1941	Wet	0%	0%	0%	0%	-7%	0%	0%	0%	0%	0%	0%	0%
1942	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	10%	0%	1%	1%	-24%	0%	0%	-1%	0%	0%	0%	0%
1944	Dry	0%	0%	0%	0%	0%	-2%	4%	4%	24%	27%	23%	2%
1945	Below Norm	-2%	0%	0%	-1%	23%	1%	0%	-3%	0%	0%	0%	0%
1946	Below Norm	0%	0%	0%	0%	3%	20%	1%	1%	1%	26%	-4%	0%
1947	Dry	1%	5%	0%	0%	-1%	-40%	1%	2%	-10%	12%	-1%	0%
1948	Below Norm	-1%	2%	1%	-13%	0%	-1%	-1%	1%	1%	3%	15%	0%
1949	Dry	1%	-1%	-2%	0%	-1%	21%	0%	0%	0%	0%	0%	0%
1950	Below Norm	-4%	2%	1%	0%	0%	5%	-4%	46%	3%	6%	1%	-1%
1951	Above Norm	63%	0%	-1%	-42%	9%	0%	0%	28%	7%	-8%	2%	0%
1952	Wet	0%	1%	0%	1%	1%	-10%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	-3%	0%	0%
1955	Dry	0%	1%	0%	0%	0%	-50%	6%	4%	26%	28%	84%	-10%
1956	Wet	-1%	-1%	-1%	-2%	14%	0%	0%	-1%	0%	0%	0%	0%
1957	Above Norm	-2%	0%	0%	4%	0%	0%	0%	0%	0%	-4%	5%	0%
1958	Wet	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1959	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%
1960	Dry	18%	41%	-31%	21%	12%	1%	1%	-16%	-4%	-3%	-4%	4%
1961	Dry	0%	0%	13%	-1%	-6%	-42%	0%	5%	4%	8%	1%	41%
1962	Below Norm	87%	47%	0%	-6%	-1%	0%	1%	17%	1%	-12%	5%	1%
1963	Wet	1%	3%	1%	1%	9%	8%	0%	0%	0%	3%	0%	0%
1964	Dry	0%	1%	0%	0%	0%	-4%	8%	-11%	-15%	52%	57%	1%
1965	Wet	0%	0%	-1%	-2%	28%	10%	2%	2%	2%	4%	1%	0%
1966	Below Norm	-1%	-1%	-1%	-2%	15%	55%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	7%	0%	0%	0%	-8%	0%	0%	0%	0%	0%	0%
1968	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	-13%	11%	2%
1969	Wet	6%	-1%	0%	0%	0%	2%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	8%	0%	3%	3%	6%	-7%	0%
1971	Wet	0%	0%	0%	-1%	22%	0%	0%	0%	0%	0%	0%	0%
1972	Below Norm	0%	0%	0%	0%	0%	0%	0%	1%	10%	1%	0%	0%
1973	Above Norm	-1%	0%	0%	0%	0%	-11%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	2%	0%	0%	0%	0%	-6%	0%	1%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	5%	7%	17%	23%	18%	5%	15%
1977	Critical	28%	33%	198%	4%	421%	-2%	-2%	-2%	-2%	-48%	-53%	-11%
1978	Above Norm	-61%	3%	4%	3%	1%	-35%	0%	0%	0%	0%	0%	0%
1979	Below Norm	0%	-3%	0%	0%	0%	3%	0%	2%	3%	6%	3%	0%
1980	Above Norm	-1%	-3%	-1%	-1%	63%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	-1%	0%
1982	Wet	15%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	61%	2%	2%	-7%	2%	5%	0%
1986	Wet	0%	0%	0%	0%	-1%	83%	16%	-6%	6%	54%	4%	-3%
1987	Dry	-1%	-1%	-2%	107%	17%	2%	8%	1%	2%	-8%	22%	16%
1988	Critical	-20%	0%	0%	0%	27%	2%	1%	2%	11%	9%	4%	0%
1989	Dry	0%	-3%	55%	1%	111%	1%	5%	2%	-2%	-1%	-3%	1%
1990	Critical	3%	1%	2%	0%	9%	0%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	-1%	7%	3%	0%	0%	0%	0%	0%	0%	0%
1992	Critical	-1%	0%	0%	0%	0%	-6%	0%	-3%	-3%	-1%	-6%	-1%
1993	Above Norm	-1%	-7%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	0%	1%	0%	0%	0%	-19%	0%	0%	0%
1995	Wet	71%	0%	-5%	-1%	-1%	-1%	6%	0%	0%	0%	0%	0%
1996	Wet	-1%	-1%	-1%	0%	0%	0%	0%	0%	2%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	-3%	0%	0%	4%	0%	-2%	1%	2%
1998	Wet	0%	0%	0%	0%	-2%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norm	0%	0%	0%	0%	-1%	0%	0%	0%	0%	-3%	-2%	0%
2001	Dry	0%	0%	1%	0%	0%	-2%	5%	8%	33%	29%	24%	18%
2002	Dry	-5%	4%	-1%	-1%	83%	-1%	1%	2%	2%	3%	9%	0%
2003	Above Norm	26%	15%	5%	1%	-27%	91%	2%	4%	-12%	6%	-9%	0%
Average		3%	2%	3%	-1%	13%	1%	1%	2%	2%	4%	3%	4%
Wet		5%	0%	0%	-1%	1%	2%	1%	0%	1%	3%	0%	0%
Above Norm		2%	0%	1%	-3%	2%	1%	0%	3%	0%	2%	0%	0%
Below Norm		6%	3%	0%	-2%	3%	4%	-1%	4%	1%	0%	1%	0%
Dry		4%	2%	2%	3%	6%	-1%	3%	4%	5%	13%	13%	8%
Critical		0%	3%	15%	-2%	75%	-1%	0%	1%	2%	-1%	-4%	13%

Difference in Energy Use (GWh) At Pumping Plant at Tehama Other: CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1927	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1932	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1935	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1940	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1945	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1946	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1947	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1948	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1949	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1951	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	-1	1	0	0	0	0	0
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1961	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1963	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1965	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1966	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	1	0	0	0
1986	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Below Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Dry		0	0	0	0	0	0	0	0	0	0	0	0	0
Critical		0	0	0	0	0	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at Tehama Other: CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norm	0%	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1923	Below Norm	0%	-	-	-	-	-14%	-14%	-19%	-14%	-14%	-14%	-36%
1924	Critical	-8%	-14%	-	-	-	0%	0%	0%	0%	0%	0%	0%
1925	Dry	0%	-	-	-	-	-	7%	23%	10%	10%	10%	10%
1926	Dry	6%	-	-	-	-	15%	15%	146%	15%	15%	15%	-98%
1927	Wet	3%	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1928	Above Norm	0%	-	-	-	-	-	12%	17%	12%	12%	12%	39%
1929	Critical	8%	-	-	-	-	4%	4%	4%	4%	4%	4%	4%
1930	Dry	1%	0%	-	-	-	-	2%	5%	2%	2%	2%	2%
1931	Critical	1%	0%	-	-	-	0%	0%	0%	0%	0%	0%	0%
1932	Dry	0%	0%	-	-	-	-4%	-3%	-2%	-2%	-2%	-1%	-2%
1933	Critical	-1%	0%	-	-	-	0%	0%	0%	0%	0%	0%	0%
1934	Critical	0%	0%	-	-	-	-13%	-8%	-5%	-7%	-5%	-3%	-5%
1935	Below Norm	-2%	-	-	-	-	-	-	0%	0%	0%	0%	0%
1936	Below Norm	0%	-	-	-	-	-1%	-1%	-2%	-1%	-1%	-1%	-17%
1937	Below Norm	-1%	-1%	-	-	-	-	-2%	-8%	-4%	-4%	-4%	-4%
1938	Wet	-1%	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	-	-	0%	24%	20%	21%	21%	21%	21%	21%
1940	Above Norm	9%	21%	-	-	-	-	0%	0%	0%	0%	0%	0%
1941	Wet	0%	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1942	Wet	0%	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1943	Wet	0%	-	-	-	-	1%	1%	1%	1%	1%	1%	2%
1944	Dry	1%	1%	-	-	-	20%	20%	37%	20%	20%	20%	1274%
1945	Below Norm	9%	-	-	-	-	-	37%	0%	0%	0%	0%	1%
1946	Below Norm	0%	-100%	-	-	-	20%	13%	9%	8%	8%	8%	8%
1947	Dry	5%	-	-	-	-	-	4%	4%	4%	4%	4%	4%
1948	Below Norm	0%	-	-	-	4%	14%	5%	0%	0%	0%	0%	0%
1949	Dry	0%	0%	-	-	-	-	4%	8%	8%	8%	8%	23%
1950	Below Norm	6%	8%	-	-	-	11%	13%	23%	13%	13%	13%	13%
1951	Above Norm	1%	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1953	Wet	0%	-	-	-	-	20%	0%	0%	0%	0%	0%	0%
1954	Above Norm	0%	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1955	Dry	0%	-	-	-	-	21%	-99%	120%	21%	21%	21%	21%
1956	Wet	9%	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1957	Above Norm	0%	0%	-	-	-	20%	13%	8%	6%	6%	6%	0%
1958	Wet	0%	6%	-	-	-	-	0%	0%	0%	0%	0%	0%
1959	Below Norm	0%	0%	-	-	-	0%	0%	0%	0%	0%	0%	0%
1960	Dry	0%	0%	-	-	-	84%	12%	49%	12%	12%	12%	12%
1961	Dry	5%	-	-	-	-	-	6%	19%	13%	13%	13%	79%
1962	Below Norm	8%	-	-	-	-	-	45%	18%	14%	14%	14%	32%
1963	Wet	0%	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1964	Dry	0%	-	-	-	-	25%	25%	25%	25%	25%	25%	25%
1965	Wet	4%	-	-	-	-	19%	13%	9%	10%	10%	10%	21%
1966	Below Norm	7%	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1968	Below Norm	0%	0%	-	-	-	-	58%	20%	16%	16%	16%	33%
1969	Wet	9%	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	-	-	-	18%	129%	29%	21%	21%	21%	70%
1971	Wet	11%	-	-	-	-	8%	0%	0%	0%	0%	0%	0%
1972	Below Norm	0%	0%	-	-	0%	22%	53%	30%	22%	22%	22%	318%
1973	Above Norm	1%	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1974	Wet	0%	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	-	-	-	-	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	-	-	0%	25%	25%	25%	25%	25%	25%	25%
1977	Critical	7%	25%	-	-	25%	0%	0%	0%	0%	0%	0%	0%
1978	Above Norm	0%	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1979	Below Norm	0%	-	-	-	-	0%	270%	11%	9%	9%	9%	25%
1980	Above Norm	2%	0%	-	-	-	-	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	-	-	-	-	0%	0%	0%	0%	0%	0%
1982	Wet	0%	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1983	Wet	0%	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1984	Wet	0%	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	-	-	-	-	-	81%	23%	23%	23%	23%	23%
1986	Wet	15%	-	-	-	-	-	22%	32%	19%	22%	22%	278%
1987	Dry	14%	22%	-	-	-	9%	2%	2%	2%	2%	2%	2%
1988	Critical	1%	-	-	-	-	12%	12%	12%	12%	12%	12%	12%
1989	Dry	4%	0%	-	-	12%	-	12%	19%	12%	12%	12%	6%
1990	Critical	2%	1%	-	-	-	-	-	-	-	-	-	-
1991	Critical	0%	0%	-	-	-	-	0%	0%	1%	0%	0%	0%
1992	Critical	0%	0%	-	-	-	-	-2%	-3%	-2%	-2%	-2%	0%
1993	Above Norm	0%	0%	-	-	-	-	0%	-7%	0%	0%	0%	0%
1994	Critical	0%	0%	-	-	-	0%	-3%	0%	0%	0%	0%	0%
1995	Wet	0%	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	-	-	-	-	0%	0%	0%	0%	0%	0%
1997	Wet	0%	0%	-	-	-	7%	13%	9%	7%	7%	7%	7%
1998	Wet	5%	-	-	-	-	-	-	0%	0%	0%	0%	0%
1999	Wet	0%	0%	-	-	-	-	0%	0%	0%	0%	0%	0%
2000	Above Norm	0%	0%	-	-	-	-	0%	0%	0%	0%	0%	0%
2001	Dry	0%	0%	-	-	-	27%	-99%	65%	32%	32%	32%	32%
2002	Dry	11%	0%	-	-	-	22%	61%	35%	24%	24%	24%	24%
2003	Above Norm	16%	0%	-	-	-	-	16%	0%	0%	0%	0%	0%
Average		2%	-1%	#DIV/0!	#DIV/0!	7%	10%	10%	10%	5%	5%	5%	28%
Wet		2%	0%	0%	0%	0%	3%	6%	3%	2%	2%	2%	15%
Above Norm		2%	2%	0%	0%	0%	2%	2%	1%	2%	2%	2%	3%
Below Norm		2%	-7%	0%	0%	0%	4%	34%	6%	4%	4%	4%	26%
Dry		3%	1%	0%	0%	1%	13%	4%	33%	13%	13%	13%	81%
Critical		1%	1%	0%	0%	2%	2%	2%	3%	3%	3%	3%	3%

Difference in Energy Use (GWh) At Pumping Plant at Tracy: CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	-2	0	0	0	-7	-7	0	-1
1924	Critical	0	-6	-6	0	30	0	0	0	0	3	0	22	4
1925	Dry	11	-2	0	-20	-52	-6	1	0	4	5	2	0	-5
1926	Dry	0	0	1	0	2	5	1	8	1	0	0	16	3
1927	Wet	3	0	0	0	-10	-3	0	-4	0	15	1	0	0
1928	Above Norma	0	0	0	0	-8	-9	0	0	0	18	0	0	0
1929	Critical	0	0	0	0	0	0	0	1	5	4	0	0	1
1930	Dry	0	0	0	0	6	0	0	0	1	18	-13	-4	1
1931	Critical	-6	1	1	0	31	-1	0	0	0	0	0	0	2
1932	Dry	0	1	0	-23	-2	0	0	0	0	0	0	0	-2
1933	Critical	0	0	-2	0	0	0	0	0	0	0	0	6	0
1934	Critical	1	2	0	-9	0	0	0	0	0	0	0	-2	-1
1935	Below Norma	0	0	0	0	0	-4	-1	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	-1	1	0	0
1937	Below Norma	0	0	0	-3	0	0	0	-1	0	0	0	0	0
1938	Wet	1	0	0	-6	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	5	0	6	0	17	13	11	4
1940	Above Norma	-2	-5	0	0	0	0	0	0	0	0	0	0	-1
1941	Wet	0	0	0	0	-4	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	-8	0	0	0	0	0	0	0	-1
1944	Dry	0	0	0	0	0	0	0	0	10	13	9	1	3
1945	Below Norma	-1	0	0	0	10	0	0	-1	0	0	0	0	1
1946	Below Norma	0	0	0	0	1	9	0	0	0	18	0	0	2
1947	Dry	0	0	0	0	0	-11	0	0	-7	8	6	0	0
1948	Below Norma	0	1	0	-7	0	0	0	0	0	0	6	0	0
1949	Dry	1	0	0	0	0	7	0	0	0	0	0	0	1
1950	Below Norma	-2	1	0	0	0	1	0	13	0	1	0	0	1
1951	Above Norma	17	0	-1	-10	1	0	0	11	5	-6	0	0	1
1952	Wet	0	0	0	0	0	-5	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	-2	0	0	0
1955	Dry	0	0	0	0	0	-16	1	0	10	15	27	-4	3
1956	Wet	0	0	0	0	7	0	0	0	0	0	0	0	1
1957	Above Norma	0	0	0	2	0	0	0	0	0	-4	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	5	17	-10	11	5	0	0	-6	-3	-3	-3	2	1
1961	Dry	0	0	7	0	-3	-13	0	0	0	2	0	14	1
1962	Below Norma	22	17	-2	-4	0	0	0	6	0	-12	0	1	2
1963	Wet	0	0	0	0	5	2	0	0	0	3	0	0	1
1964	Dry	0	0	0	0	0	0	1	-7	-13	24	27	1	3
1965	Wet	0	0	0	0	11	3	0	0	0	0	0	0	1
1966	Below Norma	0	0	0	0	8	12	0	0	0	0	0	0	2
1967	Wet	0	4	0	0	0	-4	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	-12	0	1	-1
1969	Wet	3	0	0	0	0	1	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	2	0	0	0	1	0	0	0
1971	Wet	0	0	0	0	10	0	0	0	0	0	0	0	1
1972	Below Norma	0	0	0	0	0	0	0	0	6	1	0	0	1
1973	Above Norma	-1	0	0	0	0	-5	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	-2	0	0	0	1	0	0	0
1976	Critical	0	0	0	0	0	1	1	3	4	6	0	5	2
1977	Critical	8	15	26	1	41	0	0	0	0	-24	-20	-2	4
1978	Above Norma	-22	-1	0	0	0	-16	0	0	0	0	0	0	-3
1979	Below Norma	0	0	0	0	0	1	0	0	0	0	1	0	0
1980	Above Norma	0	0	0	0	20	0	0	0	0	0	0	0	2
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	5	0	0	0	0	-4	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	19	0	0	-7	0	0	0	1
1986	Wet	0	0	0	0	0	13	4	0	0	22	0	0	3
1987	Dry	0	0	0	32	4	1	2	0	0	-7	9	5	4
1988	Critical	-10	0	0	0	5	0	0	0	4	4	0	0	0
1989	Dry	0	-1	17	0	11	0	1	0	-2	-3	-3	1	2
1990	Critical	1	0	1	0	3	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	2	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	-1	0	-1	-1	0	-2	0	0
1993	Above Norma	0	-2	3	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	1	0	0	0	-17	0	0	0	-1
1995	Wet	17	0	-2	0	0	0	2	0	0	0	0	0	1
1996	Wet	0	0	0	0	0	0	0	0	2	0	0	0	0
1997	Wet	0	0	0	0	-2	0	0	2	0	-2	0	1	0
1998	Wet	0	0	0	0	-1	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	-3	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	12	15	7	7	3
2002	Dry	-2	2	0	0	11	0	0	0	0	0	2	0	1
2003	Above Norma	11	7	0	0	-11	21	0	0	-14	0	0	0	1
Average		1	1	0	0	1	0	0	0	0	2	1	1	1
Wet		1	0	0	0	0	0	0	0	0	1	0	0	0
Above Norma		0	0	0	-1	0	-1	0	1	-1	0	0	0	0
Below Norma		1	1	0	-1	1	1	0	1	0	-1	0	0	0
Dry		1	1	1	0	-1	-1	0	0	0	6	4	3	1
Critical		0	1	2	0	9	0	0	0	0	-1	-2	2	1

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at Tracy: CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1923	Below Norm	0%	0%	0%	0%	0%	-5%	0%	0%	0%	-11%	-12%	0%
1924	Critical	0%	-9%	-11%	0%	275%	0%	0%	0%	0%	11%	0%	105%
1925	Dry	32%	-9%	0%	-30%	-85%	-15%	2%	0%	16%	11%	9%	0%
1926	Dry	0%	0%	1%	0%	3%	19%	3%	63%	7%	0%	0%	69%
1927	Wet	9%	0%	0%	0%	-16%	-8%	0%	-15%	0%	29%	2%	0%
1928	Above Norm	0%	0%	0%	0%	-12%	-21%	0%	0%	0%	56%	0%	0%
1929	Critical	0%	0%	0%	0%	-1%	-1%	0%	4%	42%	14%	0%	0%
1930	Dry	0%	0%	0%	0%	12%	1%	0%	-1%	4%	103%	-52%	-8%
1931	Critical	-12%	2%	1%	0%	204%	-4%	0%	0%	0%	-2%	5%	0%
1932	Dry	0%	3%	0%	-34%	-19%	0%	0%	0%	0%	0%	0%	0%
1933	Critical	0%	0%	-8%	-2%	-1%	0%	0%	0%	0%	0%	0%	15%
1934	Critical	2%	8%	-1%	-29%	0%	0%	0%	0%	0%	0%	0%	-10%
1935	Below Norm	-2%	0%	1%	0%	0%	-11%	-3%	0%	0%	0%	0%	0%
1936	Below Norm	0%	0%	1%	0%	-2%	-1%	-1%	0%	0%	-3%	3%	0%
1937	Below Norm	0%	0%	0%	-5%	-1%	-1%	-1%	-2%	0%	0%	0%	0%
1938	Wet	1%	0%	0%	-22%	-3%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	0%	14%	0%	25%	0%	37%	31%	20%
1940	Above Norm	-4%	-11%	-2%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	0%	-7%	0%	0%	0%	0%	0%	0%	0%
1942	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	-18%	0%	0%	-1%	0%	0%	0%	0%
1944	Dry	0%	0%	0%	0%	0%	0%	0%	0%	32%	35%	30%	2%
1945	Below Norm	-1%	0%	0%	0%	22%	1%	0%	-4%	0%	0%	0%	0%
1946	Below Norm	0%	0%	0%	0%	5%	15%	0%	0%	0%	38%	0%	0%
1947	Dry	0%	0%	0%	0%	0%	-26%	0%	0%	-17%	16%	15%	0%
1948	Below Norm	-1%	1%	1%	-12%	0%	0%	0%	0%	0%	0%	9%	0%
1949	Dry	1%	0%	0%	0%	0%	16%	0%	0%	0%	0%	0%	0%
1950	Below Norm	-3%	1%	1%	0%	0%	4%	0%	71%	0%	4%	0%	0%
1951	Above Norm	38%	0%	-1%	-39%	8%	0%	0%	52%	13%	-14%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	-9%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	-7%	0%	0%
1955	Dry	0%	0%	0%	0%	0%	-34%	3%	0%	33%	29%	178%	-8%
1956	Wet	0%	1%	0%	0%	15%	0%	0%	-1%	0%	0%	0%	0%
1957	Above Norm	0%	0%	0%	4%	0%	0%	0%	0%	0%	-7%	0%	0%
1958	Wet	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1959	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	1%
1960	Dry	12%	35%	-32%	19%	9%	0%	1%	-24%	-8%	-8%	-8%	3%
1961	Dry	0%	0%	13%	0%	-5%	-40%	0%	2%	0%	4%	0%	29%
1962	Below Norm	82%	41%	-4%	-6%	0%	0%	0%	30%	0%	-18%	0%	1%
1963	Wet	0%	0%	0%	0%	8%	4%	0%	0%	0%	6%	0%	0%
1964	Dry	0%	0%	0%	0%	0%	-1%	3%	-26%	-35%	57%	71%	1%
1965	Wet	0%	0%	0%	0%	28%	8%	0%	0%	0%	0%	0%	0%
1966	Below Norm	0%	0%	0%	0%	14%	29%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	7%	0%	0%	0%	-6%	0%	0%	0%	0%	0%	0%
1968	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	-18%	0%	1%
1969	Wet	4%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	6%	0%	0%	0%	3%	0%	0%
1971	Wet	0%	0%	0%	0%	19%	0%	0%	0%	0%	0%	0%	0%
1972	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	17%	1%	0%	0%
1973	Above Norm	-1%	0%	0%	0%	0%	-8%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	-4%	0%	1%	0%	1%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	4%	5%	20%	30%	19%	-4%	17%
1977	Critical	19%	29%	168%	3%	291%	0%	0%	0%	0%	-48%	-68%	-7%
1978	Above Norm	-51%	-4%	1%	0%	0%	-30%	0%	0%	0%	0%	0%	0%
1979	Below Norm	0%	0%	0%	0%	0%	3%	0%	0%	0%	0%	2%	0%
1980	Above Norm	0%	0%	0%	0%	52%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%
1982	Wet	10%	0%	0%	0%	0%	-8%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	42%	0%	0%	-17%	0%	0%	0%
1986	Wet	0%	0%	0%	0%	0%	65%	16%	0%	0%	184%	0%	0%
1987	Dry	0%	0%	0%	97%	15%	2%	9%	1%	1%	-12%	45%	11%
1988	Critical	-16%	0%	0%	0%	20%	0%	0%	0%	14%	10%	2%	0%
1989	Dry	0%	-3%	47%	0%	91%	0%	4%	0%	-6%	-6%	-8%	1%
1990	Critical	2%	0%	1%	0%	8%	0%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	-1%	6%	2%	0%	0%	0%	0%	0%	0%	0%
1992	Critical	0%	0%	0%	0%	0%	-4%	0%	-4%	-5%	0%	-19%	-1%
1993	Above Norm	-1%	-7%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	0%	1%	0%	0%	0%	-55%	0%	0%	0%
1995	Wet	53%	0%	-3%	0%	0%	0%	4%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	0%	0%	0%	0%	0%	0%	5%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	-3%	0%	0%	11%	0%	-4%	0%	1%
1998	Wet	0%	0%	0%	0%	-2%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	-7%	0%	0%
2001	Dry	0%	0%	1%	0%	0%	0%	0%	0%	48%	34%	32%	20%
2002	Dry	-4%	4%	0%	0%	58%	0%	0%	0%	0%	0%	2%	0%
2003	Above Norm	20%	13%	0%	0%	0%	-22%	56%	0%	-36%	2%	0%	0%
Average		2%	1%	2%	-1%	12%	1%	1%	2%	1%	7%	3%	3%
Wet		3%	0%	0%	-1%	1%	2%	1%	0%	0%	8%	0%	0%
Above Norm		0%	-1%	0%	-3%	2%	0%	0%	4%	-2%	2%	0%	0%
Below Norm		5%	3%	0%	-2%	3%	2%	0%	7%	1%	0%	0%	0%
Dry		2%	2%	2%	3%	4%	-1%	1%	2%	3%	17%	19%	8%
Critical		0%	3%	13%	-2%	67%	0%	0%	2%	2%	0%	-7%	10%

Difference in Energy generated (GWh) at Alamo Dam: CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norm	0	0	0	1	0	0	0	0	0	0	0	0	0
1923	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	1	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	0	0	0	0	-1	-1	0	0	0	0
1926	Dry	1	1	1	0	-3	3	0	0	0	0	0	0	0
1927	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1928	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1929	Critical	0	-1	-1	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	0	0	0	2	0	0	0	0	0	0
1931	Critical	1	1	2	2	2	1	-1	-1	-1	-1	-1	-1	0
1932	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1933	Critical	0	-1	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	-1	0	0	0	0	0	0	0	0	0	0	0
1935	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norm	0	0	0	0	0	2	0	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1940	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	1	0	0	0	0	0	0	0	0
1945	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1946	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1947	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1948	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1949	Dry	0	0	0	-1	-1	0	0	0	-1	-1	-1	-1	0
1950	Below Norm	-1	-1	-1	0	0	2	0	0	0	0	0	0	0
1951	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1956	Wet	1	1	1	0	0	0	0	0	0	0	0	0	0
1957	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	1	0	0	0	0	0	0
1961	Dry	0	1	2	3	2	-2	1	0	0	0	0	0	1
1962	Below Norm	0	0	1	1	1	-7	0	0	0	0	0	0	0
1963	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	2	0	0	2	-1	-6	0	0	0	0
1965	Wet	1	1	1	0	0	0	0	0	0	0	0	0	0
1966	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	1	0	0	0	0	0	0	0	0	0
1968	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	2	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Norm	0	0	0	0	0	0	1	0	-1	0	-1	-1	0
1973	Above Norm	0	0	1	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	1	1	1	1	1	0
1977	Critical	1	1	1	0	0	0	-1	-1	-1	-1	-1	-1	0
1978	Above Norm	-1	0	0	9	-2	0	0	0	0	0	0	0	0
1979	Below Norm	0	0	0	-1	0	0	0	0	0	0	0	0	0
1980	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	1	0	0	0	0
1986	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	-1	-1	-1	-1	-1	-1	0
1989	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	1	1	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	2	0	0	1	0	0	0
1995	Wet	1	1	2	2	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norm	0	0	0	3	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	Above Norm	0	0	1	0	0	0	0	0	0	0	0	0	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norm		0	0	0	1	0	0	0	0	0	0	0	0	0
Below Norm		0	0	0	0	0	0	0	0	0	0	0	0	0
Dry		0	0	0	0	0	0	0	0	0	0	0	0	0
Critical		0	0	0	0	0	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy generated (GWh) at Alamo Dam: CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	250%	3%	0%	0%	0%	0%	0%	0%	0%
1923	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1924	Critical	0%	0%	0%	6%	6%	6%	-1%	-1%	-1%	-1%	-1%	-1%
1925	Dry	-1%	-1%	-1%	0%	2%	35%	-6%	-7%	-7%	-2%	3%	3%
1926	Dry	9%	18%	16%	14%	-33%	45%	2%	0%	0%	0%	0%	0%
1927	Wet	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1928	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1929	Critical	-4%	-5%	-5%	1%	1%	1%	2%	2%	2%	-2%	2%	2%
1930	Dry	2%	2%	2%	3%	2%	-1%	26%	0%	0%	0%	0%	0%
1931	Critical	10%	10%	21%	94%	81%	54%	-8%	-9%	-9%	-8%	-8%	-9%
1932	Dry	-9%	-9%	-9%	-7%	-2%	-12%	3%	3%	3%	0%	-3%	-4%
1933	Critical	-7%	-11%	-10%	-8%	-3%	-1%	5%	5%	5%	1%	-1%	-1%
1934	Critical	-4%	-8%	-7%	-7%	-5%	-2%	0%	0%	0%	0%	0%	0%
1935	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1936	Below Norma	0%	2%	-1%	-2%	-1%	0%	0%	0%	0%	0%	0%	0%
1937	Below Norma	0%	0%	0%	1%	0%	25%	0%	0%	0%	0%	0%	0%
1938	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1940	Above Norma	0%	0%	0%	-2%	-2%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1942	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1944	Dry	0%	1%	1%	1%	5%	0%	0%	0%	0%	0%	0%	0%
1945	Below Norma	0%	0%	0%	-1%	1%	0%	0%	0%	0%	0%	0%	0%
1946	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1947	Dry	0%	0%	0%	0%	0%	2%	0%	0%	0%	0%	0%	0%
1948	Below Norma	0%	0%	0%	6%	6%	3%	-5%	0%	0%	0%	0%	0%
1949	Dry	0%	0%	0%	-14%	-14%	-14%	-5%	-5%	-5%	-6%	-7%	-7%
1950	Below Norma	-9%	-10%	-10%	-9%	-6%	56%	0%	0%	0%	0%	0%	0%
1951	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1955	Dry	0%	0%	0%	0%	0%	3%	-7%	-1%	-1%	2%	4%	5%
1956	Wet	8%	12%	11%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1958	Wet	2%	2%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1960	Dry	0%	1%	1%	1%	1%	3%	13%	0%	0%	0%	0%	0%
1961	Dry	5%	10%	23%	68%	52%	-32%	9%	0%	0%	0%	0%	0%
1962	Below Norma	4%	4%	8%	21%	18%	-63%	0%	0%	0%	0%	0%	0%
1963	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1964	Dry	0%	0%	0%	27%	0%	0%	17%	-13%	-54%	4%	-1%	-1%
1965	Wet	6%	6%	11%	0%	0%	2%	0%	3%	3%	3%	3%	3%
1966	Below Norma	3%	3%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	0%	10%	0%	0%	0%	0%	0%	0%	0%	0%
1968	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1969	Wet	0%	1%	1%	17%	0%	0%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1972	Below Norma	0%	0%	0%	5%	0%	0%	19%	-3%	-6%	-1%	-7%	-7%
1973	Above Norma	1%	1%	8%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	0%	6%	6%	6%	6%	6%
1977	Critical	6%	6%	6%	4%	4%	1%	-28%	-29%	-28%	-27%	-27%	-28%
1978	Above Norma	-29%	-31%	-29%	1259%	-19%	0%	0%	0%	0%	0%	0%	0%
1979	Below Norma	0%	0%	0%	-33%	0%	0%	0%	0%	0%	0%	0%	0%
1980	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1982	Wet	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	6%	-4%	0%
1986	Wet	0%	0%	0%	-3%	0%	0%	0%	0%	0%	0%	0%	0%
1987	Dry	0%	4%	4%	0%	0%	0%	-2%	-3%	-2%	-2%	-2%	-3%
1988	Critical	-3%	-3%	-3%	-3%	0%	-3%	-8%	-9%	-9%	-9%	-9%	-9%
1989	Dry	-9%	-9%	-8%	-8%	-11%	-5%	0%	0%	0%	0%	0%	0%
1990	Critical	0%	0%	0%	90%	71%	32%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	0%	-2%	-5%	-9%	3%	3%	3%	3%	3%	3%
1992	Critical	3%	3%	3%	2%	0%	-9%	2%	2%	1%	0%	-1%	-1%
1993	Above Norma	-2%	-4%	-4%	-3%	0%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	0%	0%	0%	22%	4%	-2%	6%	-3%	-4%
1995	Wet	11%	11%	22%	50%	0%	0%	0%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	4%	4%	4%	4%	4%	4%
1998	Wet	4%	4%	4%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norma	0%	0%	0%	32%	0%	0%	0%	0%	0%	0%	0%	0%
2001	Dry	0%	0%	0%	0%	1%	0%	2%	2%	2%	2%	0%	0%
2002	Dry	2%	2%	2%	1%	0%	0%	1%	0%	0%	0%	0%	0%
2003	Above Norma	5%	5%	5%	0%	0%	1%	0%	0%	0%	7%	10%	0%
Average		0%	0%	1%	23%	2%	1%	1%	-1%	-1%	0%	0%	-1%
Wet		1%	1%	2%	3%	0%	0%	0%	0%	0%	0%	0%	0%
Above Norma		-2%	-2%	-2%	128%	-1%	0%	0%	0%	0%	1%	1%	0%
Below Norma		0%	0%	0%	-1%	1%	1%	1%	0%	0%	0%	0%	-1%
Dry		0%	1%	2%	5%	0%	1%	3%	-1%	-4%	0%	-1%	0%
Critical		0%	-1%	0%	15%	13%	6%	-1%	-2%	-3%	-2%	-3%	-3%

Difference in Energy generated (GWh) at Castaic: CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norm	0	0	0	-3	2	0	-1	-1	-1	-1	-1	-1	0
1923	Below Norm	-1	-1	-1	0	0	0	0	0	0	0	8	6	1
1924	Critical	2	2	2	0	1	0	0	0	0	0	0	0	1
1925	Dry	0	0	0	-22	0	0	4	2	2	2	9	8	0
1926	Dry	10	11	7	1	0	17	-3	3	-2	-2	-2	-2	3
1927	Wet	-2	-2	-2	0	3	0	0	0	0	0	0	0	0
1928	Above Norm	0	0	0	16	0	3	14	4	-3	-3	-3	-3	2
1929	Critical	-3	-3	-3	0	0	0	1	1	1	1	1	1	0
1930	Dry	0	0	0	0	-7	1	5	1	-1	-5	-5	-2	-1
1931	Critical	4	5	15	8	8	3	-3	-3	-3	-4	-3	-2	2
1932	Dry	-1	0	0	0	0	0	-1	-1	-1	-1	-4	-4	-1
1933	Critical	-5	-5	0	-3	38	-2	-1	-1	-1	-1	-5	-5	1
1934	Critical	-6	-7	-5	0	8	0	0	0	0	0	0	0	-1
1935	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norm	0	0	0	-1	0	0	1	0	0	0	0	0	0
1937	Below Norm	1	1	3	0	0	0	-2	-2	-2	-2	-2	-2	-1
1938	Wet	-2	-2	-2	1	0	0	0	-2	0	0	0	0	-1
1939	Dry	0	0	1	0	0	1	0	0	0	0	0	0	0
1940	Above Norm	0	0	0	-1	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	11	3	0	0	0	2	0	0	-3	1
1942	Wet	-2	-1	-1	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	1	1	1	1	1	1	0
1944	Dry	1	1	1	0	23	1	-3	-3	-3	-3	-3	-3	1
1945	Below Norm	-3	-3	-3	-1	9	-13	0	0	0	0	0	0	-1
1946	Below Norm	0	0	0	1	0	0	0	0	1	0	0	0	0
1947	Dry	0	0	0	0	-1	17	4	4	4	4	4	4	3
1948	Below Norm	4	4	4	0	1	0	-4	-1	-1	-1	-1	-1	0
1949	Dry	-1	-1	-1	-2	0	0	-3	-4	-4	-5	-6	-6	-3
1950	Below Norm	-6	-6	-4	-1	0	-8	1	1	1	1	1	1	-1
1951	Above Norm	1	1	1	1	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	1	0	0	0	0	0	0
1954	Above Norm	0	0	0	1	0	0	0	0	0	-2	-2	0	0
1955	Dry	0	0	0	0	0	2	2	3	3	3	7	7	2
1956	Wet	8	8	5	0	-1	0	0	0	0	0	0	0	2
1957	Above Norm	0	0	0	1	0	0	3	3	1	1	1	1	1
1958	Wet	1	1	1	0	3	0	0	0	0	0	0	0	1
1959	Below Norm	0	0	-2	0	1	1	1	1	1	1	1	1	0
1960	Dry	1	1	1	0	0	1	7	2	-1	-7	-6	-3	0
1961	Dry	6	8	20	10	-26	7	2	1	0	-2	-1	0	2
1962	Below Norm	2	2	6	1	3	-16	-18	-3	-3	-4	-4	-4	-3
1963	Wet	-5	-5	-5	-3	0	0	0	0	-2	-3	-1	-1	-2
1964	Dry	-1	-1	-1	23	0	16	14	-2	-3	-3	-2	-1	3
1965	Wet	3	3	9	7	1	1	1	1	1	1	1	1	3
1966	Below Norm	1	1	1	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	10	3	0	-1	-1	-1	-1	-1	-1	1
1968	Below Norm	-1	-1	0	0	0	0	1	1	1	1	1	1	0
1969	Wet	1	1	1	9	2	0	-1	-1	-1	-1	-1	-1	1
1970	Wet	-1	-1	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	11	-6	1
1972	Below Norm	-2	-1	-1	16	1	9	6	-2	-3	-6	-5	-4	1
1973	Above Norm	0	1	6	-8	-7	0	0	0	0	0	0	0	-1
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	1	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	6	3	3	3	3	3	2
1977	Critical	3	3	3	0	1	0	-3	-4	-4	-5	-3	-3	-1
1978	Above Norm	0	0	0	13	-9	0	1	3	3	4	4	2	2
1979	Below Norm	8	9	14	-8	-6	-4	0	0	0	0	0	0	1
1980	Above Norm	0	0	0	2	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	1	0	0	1	1	1	1	1	1	0
1982	Wet	1	1	1	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	-4	-2	-2	-4	-4	-1
1986	Wet	-4	-4	-4	0	9	0	2	2	2	2	2	2	1
1987	Dry	2	2	2	3	0	-2	-1	-1	-1	-1	-1	-1	0
1988	Critical	-1	-1	-1	-2	-5	0	-2	-3	-3	-4	-2	-2	-2
1989	Dry	-1	0	0	0	0	2	1	1	1	1	1	1	1
1990	Critical	2	2	3	2	2	1	0	0	0	0	0	0	1
1991	Critical	0	0	0	0	0	-1	1	1	1	1	1	1	0
1992	Critical	0	0	0	0	0	-7	0	-1	-1	-1	-2	-2	-1
1993	Above Norm	-2	-3	-2	0	1	0	0	0	0	0	0	0	-1
1994	Critical	0	0	0	1	2	3	4	1	-1	-5	-5	-2	0
1995	Wet	3	4	13	8	0	0	3	13	3	11	9	5	6
1996	Wet	2	1	-30	8	6	0	-1	2	0	0	0	0	-1
1997	Wet	0	0	0	0	0	0	2	2	2	2	2	2	1
1998	Wet	2	2	2	0	0	0	0	0	0	0	0	0	1
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norm	0	0	0	14	0	0	5	8	6	5	0	-2	3
2001	Dry	-2	-1	-2	0	-1	0	1	1	1	1	1	1	0
2002	Dry	1	1	0	0	5	0	3	2	2	1	1	2	2
2003	Above Norm	2	3	4	9	1	10	-4	-2	-2	-1	-1	0	2
Average		0	0	1	2	1	1	1	0	0	0	0	0	0
Wet		0	0	0	2	1	0	0	1	0	1	1	0	0
Above Norm		0	0	1	4	-1	1	1	1	1	0	0	0	1
Below Norm		0	0	1	1	1	-2	-1	0	0	-1	0	0	0
Dry		1	1	2	1	0	4	2	0	0	-1	-1	0	1
Critical		0	0	1	1	5	0	0	-1	-1	-1	-1	-1	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy generated (GWh) at Castaic: CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	107%	3%	0%	-1%	-1%	-1%	-1%	-1%	-1%
1923	Below Norma	-1%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%	9%	8%
1924	Critical	4%	4%	4%	1%	2%	1%	-1%	-1%	-1%	-1%	-1%	-1%
1925	Dry	0%	0%	0%	-27%	0%	0%	11%	5%	5%	3%	20%	21%
1926	Dry	61%	110%	6466%	11%	0%	64%	-5%	4%	-3%	-3%	-3%	-3%
1927	Wet	-3%	-3%	-4%	0%	4%	0%	0%	0%	0%	0%	0%	0%
1928	Above Norma	0%	0%	0%	29%	0%	3%	18%	5%	-4%	-4%	-4%	-4%
1929	Critical	-5%	-5%	-6%	1%	1%	1%	2%	2%	2%	2%	2%	2%
1930	Dry	7%	0%	0%	0%	-23%	1%	11%	1%	-2%	-7%	-6%	-3%
1931	Critical	9%	13%	76%	68%	90%	23%	-7%	-8%	-9%	-9%	-8%	-8%
1932	Dry	-26%	0%	0%	0%	0%	1%	-3%	-3%	-3%	-2%	-10%	-10%
1933	Critical	-30%	-57%	0%	-35%	88%	-2%	-3%	-3%	-3%	-2%	-10%	-11%
1934	Critical	-21%	-28%	-46%	-3%	19%	-3%	0%	0%	0%	0%	0%	0%
1935	Below Norma	0%	0%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%	0%
1936	Below Norma	0%	0%	0%	-8%	0%	0%	1%	0%	0%	0%	1%	1%
1937	Below Norma	1%	1%	4%	4%	0%	0%	-3%	-3%	-3%	-3%	-3%	-3%
1938	Wet	-3%	-3%	-4%	1%	0%	0%	0%	-3%	0%	0%	0%	0%
1939	Dry	0%	0%	1%	0%	-1%	1%	0%	0%	0%	0%	0%	0%
1940	Above Norma	0%	0%	0%	-5%	-1%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	19%	4%	0%	0%	0%	3%	0%	0%	-4%
1942	Wet	-3%	-2%	-2%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%
1944	Dry	1%	1%	1%	1%	46%	2%	-4%	-4%	-4%	-4%	-4%	-4%
1945	Below Norma	-5%	-5%	-5%	-1%	16%	-19%	0%	1%	1%	1%	1%	1%
1946	Below Norma	1%	1%	1%	1%	0%	0%	0%	0%	1%	0%	0%	0%
1947	Dry	0%	0%	0%	0%	-3%	37%	7%	6%	6%	6%	6%	6%
1948	Below Norma	7%	7%	8%	0%	5%	2%	-9%	-2%	-2%	-2%	-2%	-2%
1949	Dry	-2%	-2%	-2%	-5%	-2%	-1%	-6%	-7%	-8%	-8%	-11%	-11%
1950	Below Norma	-16%	-19%	-29%	-7%	-3%	-9%	2%	2%	2%	2%	2%	2%
1951	Above Norma	2%	2%	2%	2%	0%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%
1954	Above Norma	0%	0%	0%	2%	0%	0%	0%	0%	1%	-3%	-3%	0%
1955	Dry	0%	0%	0%	1%	0%	8%	4%	6%	6%	6%	14%	15%
1956	Wet	30%	41%	89%	0%	-1%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norma	0%	0%	0%	1%	0%	0%	3%	5%	2%	2%	2%	2%
1958	Wet	3%	3%	3%	0%	4%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	-2%	0%	1%	1%	1%	1%	1%	1%	1%	1%
1960	Dry	1%	1%	1%	0%	1%	6%	11%	3%	-1%	-10%	-8%	-4%
1961	Dry	12%	17%	68%	48%	-53%	9%	4%	1%	0%	-2%	-2%	-1%
1962	Below Norma	4%	5%	20%	9%	21%	-23%	-20%	-4%	-4%	-5%	-5%	-5%
1963	Wet	-7%	-7%	-7%	-5%	0%	0%	0%	-2%	-2%	-3%	-2%	-1%
1964	Dry	-1%	-1%	-1%	53%	0%	20%	-23%	-4%	-5%	-5%	-4%	-2%
1965	Wet	6%	8%	27%	13%	1%	1%	3%	3%	3%	3%	3%	3%
1966	Below Norma	3%	3%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	0%	22%	3%	0%	-1%	-2%	-2%	-2%	-2%	-2%
1968	Below Norma	-2%	-1%	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%
1969	Wet	1%	1%	1%	21%	3%	0%	-1%	-1%	-1%	-1%	-1%	-1%
1970	Wet	-2%	-2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	15%	-6%
1972	Below Norma	-3%	-2%	-1%	32%	1%	11%	-3%	-3%	-6%	-9%	-9%	-7%
1973	Above Norma	0%	2%	33%	-8%	-9%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	8%	5%	5%	5%	5%	5%
1977	Critical	7%	7%	8%	1%	4%	1%	-16%	-21%	-28%	-28%	-26%	-27%
1978	Above Norma	0%	0%	0%	19%	-11%	0%	1%	3%	4%	5%	4%	3%
1979	Below Norma	10%	12%	19%	-31%	-8%	-5%	0%	0%	0%	0%	0%	0%
1980	Above Norma	0%	0%	0%	3%	0%	0%	0%	1%	1%	1%	1%	1%
1981	Dry	1%	1%	1%	1%	0%	0%	1%	1%	1%	1%	1%	1%
1982	Wet	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	0%	-6%	-3%	-3%	-5%	-5%
1986	Wet	-6%	-6%	-6%	-2%	23%	0%	3%	4%	4%	4%	4%	4%
1987	Dry	5%	5%	5%	5%	0%	-3%	-2%	-2%	-2%	-2%	-2%	-2%
1988	Critical	-3%	-3%	-3%	-5%	-16%	-1%	-6%	-8%	-9%	-9%	-9%	-9%
1989	Dry	-35%	0%	0%	0%	0%	4%	1%	1%	1%	1%	1%	2%
1990	Critical	2%	3%	5%	21%	30%	7%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	0%	0%	0%	-18%	2%	3%	3%	3%	3%	3%
1992	Critical	19%	0%	0%	0%	0%	-26%	-1%	-1%	-1%	-1%	-5%	-5%
1993	Above Norma	-12%	-19%	-68%	3%	1%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	1%	2%	4%	8%	2%	-2%	-9%	-8%	-5%
1995	Wet	8%	13%	55%	43%	0%	0%	3%	17%	4%	14%	11%	6%
1996	Wet	3%	1%	-33%	11%	8%	0%	-2%	3%	0%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	3%	4%	4%	4%	4%	4%
1998	Wet	5%	5%	6%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norma	0%	0%	0%	33%	0%	0%	5%	10%	8%	6%	1%	-2%
2001	Dry	-2%	-2%	-2%	0%	-4%	0%	2%	2%	2%	2%	2%	2%
2002	Dry	2%	2%	3%	1%	10%	0%	4%	3%	3%	2%	2%	3%
2003	Above Norma	5%	6%	9%	18%	1%	16%	-5%	-2%	-2%	-2%	-1%	0%
Average		0%	1%	82%	6%	3%	1%	1%	0%	0%	-1%	0%	-1%
Wet		1%	2%	5%	5%	2%	0%	0%	1%	1%	1%	1%	0%
Above Norma		0%	-1%	-2%	17%	-1%	2%	2%	2%	1%	0%	0%	0%
Below Norma		0%	0%	1%	0%	2%	-3%	-1%	0%	-1%	-1%	0%	0%
Dry		1%	7%	363%	5%	-1%	8%	3%	0%	0%	-1%	0%	0%
Critical		-2%	-5%	3%	4%	18%	-1%	-1%	-2%	-3%	-4%	-5%	-5%

Difference in Energy generated (GWh) at DCanyon: CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norm	0	0	0	8	3	0	-1	-1	-1	-1	-1	-1	0
1923	Below Norm	-1	-1	-1	0	0	0	0	0	-1	0	0	16	1
1924	Critical	4	4	4	3	3	1	0	0	0	0	0	0	1
1925	Dry	0	0	0	0	1	4	-6	-7	-8	-2	3	3	-1
1926	Dry	7	11	7	1	-34	31	1	-4	-4	-4	-4	-4	0
1927	Wet	-4	-4	-4	0	-4	0	0	-1	0	-1	-1	0	-2
1928	Above Norm	-1	-1	-1	10	-1	0	23	4	-5	-5	-5	-5	1
1929	Critical	-5	-5	-5	1	1	0	2	2	2	2	2	2	0
1930	Dry	1	1	1	0	0	-1	18	3	-2	6	-4	-6	1
1931	Critical	8	7	19	26	23	8	-6	-8	-9	-6	-6	-6	4
1932	Dry	-3	-2	-2	0	-2	-2	3	3	3	0	-3	-3	-1
1933	Critical	-5	-6	-4	0	0	-1	4	4	5	2	-1	-1	0
1934	Critical	-4	-6	-4	0	0	0	0	0	0	0	0	0	-1
1935	Below Norm	0	0	0	0	0	0	7	0	0	0	0	0	1
1936	Below Norm	0	1	-1	0	0	1	0	0	0	0	0	0	0
1937	Below Norm	1	-6	0	0	0	31	-4	-4	-4	-4	-3	-3	0
1938	Wet	-4	-4	-4	0	0	0	0	0	0	0	0	0	-1
1939	Dry	0	0	0	0	0	1	0	0	0	0	0	0	0
1940	Above Norm	0	0	0	-1	-1	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	5	-2	-2	1	2	-2	0	0	0	0
1942	Wet	-7	-2	-2	0	0	0	0	0	0	0	0	0	-1
1943	Wet	0	0	0	0	0	0	1	1	1	1	1	1	0
1944	Dry	1	1	1	1	27	1	-6	-6	-6	-6	-6	-6	0
1945	Below Norm	-6	-5	-6	0	-1	-5	0	1	1	1	1	1	-2
1946	Below Norm	1	1	1	-1	0	0	0	0	2	0	0	0	0
1947	Dry	0	0	0	0	0	0	7	7	7	7	7	7	3
1948	Below Norm	7	6	7	3	2	1	-3	-3	-3	-3	-3	-3	1
1949	Dry	-3	-2	-2	-3	-3	-1	-3	-4	-4	-5	-7	-7	-4
1950	Below Norm	-7	-7	-5	-1	0	17	2	2	2	2	2	2	1
1951	Above Norm	2	2	2	-1	0	-1	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norm	0	0	0	0	1	-1	0	0	0	0	-6	0	-1
1955	Dry	0	0	0	-1	0	1	-5	-1	-1	1	4	4	0
1956	Wet	6	8	5	-1	0	0	0	0	0	0	0	0	1
1957	Above Norm	0	0	0	0	0	0	5	5	2	2	2	2	1
1958	Wet	2	2	2	0	-4	0	0	0	0	0	0	0	0
1959	Below Norm	0	0	0	0	1	0	1	1	1	1	1	1	1
1960	Dry	1	1	1	1	1	1	25	6	-1	10	-6	-8	3
1961	Dry	12	11	28	31	27	-27	7	2	0	3	-1	-1	8
1962	Below Norm	4	3	8	9	7	-75	-5	-5	-2	-4	-3	-3	-6
1963	Wet	-8	-7	-5	2	-2	4	0	0	3	-6	-4	-1	-2
1964	Dry	-1	-1	-1	45	0	7	26	-15	-61	5	-1	-2	0
1965	Wet	6	5	12	0	-2	2	2	3	3	3	3	3	3
1966	Below Norm	2	2	2	0	0	-1	0	1	1	1	1	1	1
1967	Wet	0	0	0	28	-2	-9	-2	-2	-2	-2	-2	-2	0
1968	Below Norm	-2	-2	0	0	0	0	1	1	1	1	1	1	0
1969	Wet	1	1	1	25	-2	-2	-1	0	-2	-2	-2	-2	1
1970	Wet	-2	-2	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	6	0	0
1972	Below Norm	-4	-2	-1	28	0	0	14	-3	-6	-1	-8	-9	1
1973	Above Norm	0	0	7	9	7	0	0	0	0	0	0	0	2
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	-9	0	0	0	0	0	0	0	-1
1976	Critical	0	0	0	-1	0	0	10	5	5	5	5	5	3
1977	Critical	5	5	5	3	2	0	-7	-10	-11	-8	-8	-8	-3
1978	Above Norm	-4	-3	-2	90	-14	0	0	0	-4	0	0	0	5
1979	Below Norm	0	-1	0	-14	-6	-6	0	0	0	0	0	0	-2
1980	Above Norm	0	0	0	-1	0	0	-2	1	1	1	1	1	0
1981	Dry	1	1	1	0	0	-7	1	1	1	1	1	1	0
1982	Wet	1	1	1	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	-2	-7	-4	11	-3	-6	-1
1986	Wet	-6	-6	-6	-2	-2	7	4	4	4	4	4	4	1
1987	Dry	4	4	4	4	0	-5	-2	-2	-2	-3	-3	-2	0
1988	Critical	-2	-2	-2	-2	1	-1	-5	-7	-8	-6	-5	-5	-4
1989	Dry	-3	-2	-1	0	-1	0	0	0	-1	0	0	0	-1
1990	Critical	0	0	0	6	6	2	0	0	0	0	0	0	1
1991	Critical	0	0	0	0	0	0	2	2	2	2	2	2	1
1992	Critical	1	1	1	0	0	0	1	2	2	0	-1	-1	0
1993	Above Norm	-2	-3	-2	0	2	0	0	0	0	0	0	0	-1
1994	Critical	0	0	0	2	0	5	15	2	-3	5	-5	-6	1
1995	Wet	7	7	18	25	0	-3	5	4	0	3	2	2	6
1996	Wet	5	0	-2	-9	-7	0	1	1	1	1	1	1	-1
1997	Wet	0	0	0	0	0	0	4	4	4	4	4	4	2
1998	Wet	4	3	3	0	0	-1	0	0	0	0	0	0	1
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norm	0	0	0	38	-1	0	5	4	-3	3	1	-3	4
2001	Dry	-3	-3	-3	0	1	0	1	2	2	2	2	2	0
2002	Dry	1	1	1	0	9	0	5	4	3	4	3	3	3
2003	Above Norm	4	4	6	22	0	20	-7	-1	-8	5	4	0	4
Average		0	0	1	5	0	0	2	0	-1	0	0	0	0
Wet		0	0	1	3	-1	0	1	1	0	0	0	0	0
Above Norm		0	0	1	15	0	1	2	1	-2	0	0	-1	1
Below Norm		0	-1	0	2	0	-3	1	-1	-1	0	-1	0	0
Dry		1	1	2	4	2	0	4	-1	-4	2	-1	-1	1
Critical		0	0	1	3	3	1	1	-1	-1	0	-1	-2	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy generated (GWh) at DCanyon: CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	429%	3%	0%	-1%	-1%	0%	-1%	-1%	-1%
1923	Below Norma	-1%	-1%	-1%	0%	0%	0%	0%	0%	-1%	0%	0%	14%
1924	Critical	3%	3%	3%	4%	4%	4%	-1%	-1%	-1%	-1%	-1%	-1%
1925	Dry	-1%	-1%	-1%	0%	2%	34%	-8%	-8%	-8%	-3%	3%	3%
1926	Dry	12%	21%	18%	8%	-37%	43%	2%	-3%	-3%	-3%	-3%	-3%
1927	Wet	-3%	-3%	-3%	1%	-4%	0%	0%	0%	0%	0%	0%	0%
1928	Above Norma	0%	0%	0%	10%	-1%	0%	21%	4%	-5%	-5%	-5%	-5%
1929	Critical	-5%	-5%	-5%	1%	1%	1%	2%	2%	2%	2%	2%	2%
1930	Dry	2%	2%	2%	3%	3%	-1%	25%	3%	-2%	6%	-4%	-5%
1931	Critical	9%	8%	30%	197%	150%	94%	-9%	-9%	-9%	-9%	-9%	-9%
1932	Dry	-9%	-9%	-9%	-7%	-2%	-14%	5%	4%	4%	0%	-3%	-4%
1933	Critical	-8%	-13%	-11%	-4%	0%	-1%	7%	6%	6%	2%	-1%	-1%
1934	Critical	-5%	-9%	-8%	-4%	-2%	-2%	0%	0%	0%	0%	0%	0%
1935	Below Norma	0%	0%	0%	0%	0%	0%	7%	0%	0%	0%	0%	0%
1936	Below Norma	0%	2%	-2%	-2%	-1%	1%	0%	0%	0%	0%	0%	0%
1937	Below Norma	1%	-5%	0%	1%	0%	36%	-3%	-3%	-3%	-3%	-2%	-2%
1938	Wet	-3%	-3%	-3%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1940	Above Norma	0%	0%	0%	-2%	-2%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	5%	-2%	-2%	1%	1%	-2%	0%	0%	0%
1942	Wet	-5%	-2%	-2%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%
1944	Dry	1%	1%	1%	1%	32%	1%	-4%	-4%	-4%	-4%	-4%	-4%
1945	Below Norma	-5%	-5%	-5%	-1%	-1%	-4%	0%	1%	1%	1%	1%	1%
1946	Below Norma	1%	1%	1%	-1%	0%	0%	0%	2%	0%	0%	0%	0%
1947	Dry	0%	0%	0%	0%	1%	-1%	6%	6%	6%	6%	6%	6%
1948	Below Norma	6%	6%	6%	6%	6%	3%	-4%	-2%	-2%	-2%	-2%	-2%
1949	Dry	-2%	-2%	-2%	-4%	-5%	-5%	-4%	-5%	-5%	-6%	-7%	-7%
1950	Below Norma	-9%	-10%	-10%	-8%	-3%	70%	2%	2%	2%	2%	2%	2%
1951	Above Norma	2%	2%	2%	0%	0%	-1%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Norma	0%	0%	0%	0%	1%	-1%	0%	0%	0%	0%	-4%	0%
1955	Dry	0%	0%	0%	-1%	0%	4%	-9%	-2%	-2%	2%	4%	4%
1956	Wet	9%	13%	11%	-1%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norma	0%	0%	0%	0%	0%	0%	4%	5%	2%	2%	2%	2%
1958	Wet	2%	2%	2%	0%	-3%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	0%	0%	1%	0%	1%	1%	1%	1%	1%	1%
1960	Dry	1%	1%	1%	1%	1%	3%	30%	5%	-1%	10%	-5%	-6%
1961	Dry	12%	12%	35%	99%	84%	-47%	9%	2%	0%	3%	-1%	-1%
1962	Below Norma	4%	4%	10%	33%	28%	-70%	-4%	-4%	-2%	-3%	-2%	-2%
1963	Wet	-6%	-6%	-4%	1%	2%	4%	0%	2%	2%	-5%	-3%	-1%
1964	Dry	-1%	-1%	-1%	62%	0%	6%	31%	-15%	-64%	6%	-1%	-2%
1965	Wet	7%	6%	16%	0%	-1%	2%	2%	3%	3%	3%	3%	3%
1966	Below Norma	3%	3%	3%	0%	0%	-1%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	0%	34%	-2%	-6%	-2%	-2%	-2%	-2%	-2%	-2%
1968	Below Norma	-2%	-2%	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%
1969	Wet	1%	1%	1%	32%	-2%	-1%	-1%	0%	-2%	-2%	-2%	-2%
1970	Wet	-2%	-2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	5%	0%
1972	Below Norma	-3%	-2%	-1%	31%	0%	0%	20%	-4%	-7%	-1%	-8%	-9%
1973	Above Norma	0%	0%	12%	9%	6%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	-8%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	8%	6%	6%	6%	6%	6%
1977	Critical	6%	6%	6%	5%	4%	1%	-31%	-30%	-29%	-29%	-29%	-29%
1978	Above Norma	-29%	-30%	-30%	3405%	-14%	0%	0%	0%	-3%	0%	0%	0%
1979	Below Norma	0%	0%	0%	-34%	-5%	-5%	0%	0%	0%	0%	0%	0%
1980	Above Norma	0%	0%	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	0%	-5%	1%	1%	1%	1%	1%	1%
1982	Wet	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	-1%	-6%	-4%	12%	-4%	-5%
1986	Wet	-5%	-5%	-5%	-3%	-2%	5%	4%	4%	4%	4%	4%	4%
1987	Dry	4%	4%	4%	3%	0%	-4%	-3%	-3%	-3%	-3%	-3%	-3%
1988	Critical	-3%	-3%	-3%	-3%	1%	-3%	-9%	-9%	-9%	-9%	-9%	-9%
1989	Dry	-9%	-9%	-8%	-8%	-11%	-7%	0%	0%	-1%	0%	0%	0%
1990	Critical	0%	0%	0%	100%	77%	39%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	0%	-2%	-7%	-12%	3%	3%	3%	3%	3%	3%
1992	Critical	3%	3%	3%	1%	-1%	0%	2%	2%	2%	0%	-1%	-1%
1993	Above Norma	-3%	-5%	-4%	-1%	2%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	2%	0%	4%	22%	2%	-4%	6%	-5%	-6%
1995	Wet	9%	10%	28%	70%	0%	-2%	4%	3%	0%	2%	2%	1%
1996	Wet	3%	0%	-2%	-8%	-5%	0%	1%	0%	0%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	4%	4%	4%	4%	4%	4%
1998	Wet	4%	4%	4%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norma	0%	0%	0%	55%	-1%	0%	4%	3%	-2%	2%	1%	-2%
2001	Dry	-2%	-2%	-2%	0%	1%	1%	2%	2%	2%	2%	2%	2%
2002	Dry	2%	2%	2%	1%	10%	0%	6%	4%	3%	4%	3%	3%
2003	Above Norma	4%	5%	6%	22%	0%	19%	-6%	-1%	-6%	16%	59%	0%
Average		0%	0%	1%	55%	4%	2%	2%	0%	-2%	0%	0%	-1%
Wet		1%	1%	2%	5%	-1%	0%	1%	1%	0%	0%	0%	0%
Above Norma		-2%	-2%	-1%	327%	0%	1%	2%	1%	-1%	1%	4%	0%
Below Norma		0%	-1%	0%	2%	2%	2%	2%	0%	-1%	0%	-1%	0%
Dry		1%	1%	2%	9%	4%	0%	5%	-1%	-4%	2%	-1%	-1%
Critical		0%	-1%	1%	25%	19%	10%	0%	-2%	-3%	-2%	-4%	-4%

Difference in Energy generated (GWh) at Mojave Dam : CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	1	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	0	0	0	0	1	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	0	0	0	0	-1	-1	0	0	0	0
1926	Dry	1	1	1	0	-3	3	0	0	0	0	0	0	0
1927	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	1	0	0	2	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	0	0	0	2	0	0	1	0	-1	0
1931	Critical	1	1	2	2	2	1	0	-1	-1	-1	-1	-1	0
1932	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1933	Critical	0	-1	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	-1	0	0	0	0	0	0	0	0	0	0	0
1935	Below Norma	0	0	0	0	0	0	1	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	0	0	0	0	3	0	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1940	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	-1	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	2	0	0	0	0	-1	-1	0	0
1945	Below Norma	0	0	0	0	0	-1	0	0	0	0	0	0	0
1946	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1947	Dry	0	0	0	0	0	0	1	1	1	1	1	1	0
1948	Below Norma	1	1	1	0	0	0	0	0	0	0	0	0	0
1949	Dry	0	0	0	0	0	0	0	0	0	0	-1	-1	0
1950	Below Norma	-1	-1	0	0	0	1	0	0	0	0	0	0	0
1951	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1956	Wet	0	1	0	0	0	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	2	0	0	1	-1	-1	0
1961	Dry	1	1	2	3	2	-2	1	0	0	0	0	0	1
1962	Below Norma	0	0	1	1	1	-6	-1	0	0	0	0	0	0
1963	Wet	-1	-1	0	0	0	0	0	0	0	-1	0	0	0
1964	Dry	0	0	0	4	0	1	2	-1	-5	0	0	0	0
1965	Wet	0	0	1	0	0	0	0	0	0	0	0	0	0
1966	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	2	0	-1	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	2	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	2	0	0	1	0	-1	0	-1	-1	0
1973	Above Norma	0	0	1	1	1	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	-1	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	1	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	-1	-1	-1	-1	-1	-1	0
1978	Above Norma	0	0	0	8	-1	0	0	0	0	0	0	0	0
1979	Below Norma	0	0	0	-1	-1	-1	0	0	0	0	0	0	0
1980	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	-1	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	-1	0	1	0	-1	0
1986	Wet	-1	-1	-1	0	0	0	0	0	0	0	0	0	0
1987	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	-1	-1	0	0	0	0
1989	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	1	1	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	1	0	0	0	0	-1	0
1995	Wet	1	1	2	2	0	0	0	0	0	0	0	0	1
1996	Wet	0	0	0	-1	-1	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	3	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	1	0	0	0	0	0	0	0	0
2003	Above Norma	0	0	0	2	0	2	-1	0	-1	0	0	0	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norma		0	0	0	1	0	0	0	0	0	0	0	0	0
Below Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Dry		0	0	0	0	0	0	0	0	0	0	0	0	0
Critical		0	0	0	0	0	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy generated (GWh) at Mojave Dam : CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	382%	3%	0%	-1%	-1%	0%	-1%	-1%	-1%
1923	Below Norma	-1%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	14%
1924	Critical	3%	3%	3%	4%	4%	4%	-1%	-1%	-1%	-1%	-1%	-1%
1925	Dry	-1%	-1%	-1%	0%	2%	41%	-8%	-8%	-8%	-3%	3%	3%
1926	Dry	12%	22%	17%	8%	-36%	44%	2%	-3%	-3%	-3%	-3%	-3%
1927	Wet	-3%	-3%	-3%	1%	-4%	0%	0%	0%	0%	0%	0%	0%
1928	Above Norma	0%	0%	0%	10%	-1%	0%	20%	4%	-5%	-5%	-5%	-5%
1929	Critical	-5%	-5%	-5%	1%	1%	1%	2%	2%	2%	2%	2%	2%
1930	Dry	2%	3%	2%	3%	2%	-1%	25%	3%	-2%	6%	-4%	-5%
1931	Critical	9%	8%	30%	193%	147%	91%	-8%	-9%	-9%	-9%	-9%	-9%
1932	Dry	-9%	-9%	-9%	-7%	-2%	-14%	4%	4%	4%	0%	-3%	-4%
1933	Critical	-8%	-14%	-11%	-4%	0%	-1%	7%	6%	6%	2%	-1%	-1%
1934	Critical	-5%	-9%	-8%	-4%	-2%	-2%	0%	0%	0%	0%	0%	0%
1935	Below Norma	0%	0%	0%	0%	0%	0%	7%	0%	0%	0%	0%	0%
1936	Below Norma	0%	2%	-2%	-2%	-1%	1%	0%	0%	0%	0%	0%	0%
1937	Below Norma	1%	-5%	0%	1%	0%	35%	-3%	-3%	-3%	-3%	-2%	-2%
1938	Wet	-3%	-3%	-3%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1940	Above Norma	0%	0%	0%	-2%	-2%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	5%	-2%	-2%	1%	1%	-2%	0%	0%	0%
1942	Wet	-5%	-2%	-2%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%
1944	Dry	1%	1%	1%	1%	32%	1%	-4%	-4%	-4%	-4%	-4%	-4%
1945	Below Norma	-5%	-5%	-5%	-1%	2%	-6%	0%	1%	1%	1%	1%	1%
1946	Below Norma	1%	1%	1%	-1%	0%	0%	0%	2%	0%	0%	0%	0%
1947	Dry	0%	0%	0%	0%	1%	0%	6%	6%	6%	6%	6%	6%
1948	Below Norma	6%	6%	6%	6%	6%	3%	-4%	-2%	-2%	-2%	-2%	-2%
1949	Dry	-2%	-2%	-2%	-4%	-5%	-5%	-4%	-5%	-5%	-6%	-7%	-7%
1950	Below Norma	-9%	-10%	-10%	-8%	-3%	63%	2%	2%	2%	2%	2%	2%
1951	Above Norma	2%	2%	2%	0%	0%	-1%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Norma	0%	0%	0%	0%	1%	-1%	0%	0%	0%	-4%	0%	0%
1955	Dry	0%	0%	0%	-1%	0%	4%	-9%	-2%	-2%	2%	4%	4%
1956	Wet	9%	13%	11%	-1%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norma	0%	0%	0%	0%	0%	0%	3%	5%	2%	2%	2%	2%
1958	Wet	2%	2%	2%	0%	-3%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	0%	0%	-1%	2%	1%	1%	1%	1%	1%	1%
1960	Dry	1%	1%	1%	1%	1%	3%	29%	5%	-1%	9%	-5%	-6%
1961	Dry	12%	12%	35%	98%	71%	-43%	9%	2%	0%	3%	-1%	-1%
1962	Below Norma	4%	4%	10%	32%	28%	-67%	-5%	-4%	-2%	-3%	-2%	-2%
1963	Wet	-6%	-4%	-4%	1%	2%	4%	0%	2%	2%	-4%	-3%	-1%
1964	Dry	-1%	-1%	-1%	62%	0%	6%	-30%	-15%	-63%	6%	-1%	-2%
1965	Wet	7%	6%	16%	0%	-1%	2%	2%	3%	3%	3%	3%	3%
1966	Below Norma	3%	3%	3%	0%	0%	-1%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	0%	34%	-2%	-6%	-2%	-2%	-2%	-2%	-2%	-2%
1968	Below Norma	-2%	-2%	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%
1969	Wet	1%	1%	1%	32%	-2%	-1%	-1%	0%	-2%	-2%	-2%	-2%
1970	Wet	-2%	-2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	5%	0%
1972	Below Norma	-3%	-2%	-1%	31%	0%	0%	20%	-4%	-7%	-1%	-9%	-9%
1973	Above Norma	0%	0%	12%	9%	6%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	-8%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	8%	6%	6%	6%	6%	6%
1977	Critical	6%	6%	6%	5%	4%	1%	-28%	-29%	-28%	-28%	-28%	-29%
1978	Above Norma	-30%	-33%	-30%	1790%	-14%	0%	0%	0%	-3%	0%	0%	0%
1979	Below Norma	0%	0%	0%	-34%	-5%	-5%	0%	0%	0%	0%	0%	0%
1980	Above Norma	0%	0%	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%
1981	Dry	0%	1%	0%	0%	0%	-5%	1%	1%	1%	1%	1%	1%
1982	Wet	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	-1%	-6%	-4%	12%	-4%	-5%
1986	Wet	-5%	-5%	-5%	-3%	1%	4%	3%	4%	4%	4%	4%	4%
1987	Dry	4%	4%	4%	3%	0%	-4%	-2%	-3%	-3%	-2%	-3%	-3%
1988	Critical	-3%	-3%	-3%	-3%	1%	-3%	-9%	-9%	-9%	-9%	-9%	-9%
1989	Dry	-9%	-9%	-8%	-8%	-11%	-5%	0%	0%	-1%	0%	0%	0%
1990	Critical	0%	0%	0%	98%	75%	37%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	0%	-2%	-7%	-12%	3%	3%	3%	3%	3%	3%
1992	Critical	3%	3%	3%	1%	-1%	0%	2%	2%	2%	0%	-1%	-1%
1993	Above Norma	-3%	-5%	-4%	-1%	2%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	2%	0%	4%	21%	2%	-4%	6%	-5%	-6%
1995	Wet	9%	10%	28%	70%	0%	-2%	3%	3%	0%	2%	2%	1%
1996	Wet	3%	0%	-3%	-6%	-5%	0%	1%	0%	0%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	4%	4%	4%	4%	4%	4%
1998	Wet	4%	4%	4%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norma	0%	0%	0%	55%	-1%	0%	4%	3%	-2%	2%	1%	-2%
2001	Dry	-2%	-2%	-2%	0%	1%	1%	2%	2%	2%	2%	2%	2%
2002	Dry	2%	2%	2%	1%	10%	0%	6%	4%	3%	4%	3%	3%
2003	Above Norma	4%	5%	6%	22%	0%	19%	-6%	-1%	-6%	15%	47%	0%
Average		0%	0%	1%	35%	3%	2%	2%	0%	-2%	0%	0%	-1%
Wet		1%	1%	2%	5%	-1%	0%	0%	1%	0%	0%	0%	0%
Above Norma		-2%	-3%	-1%	189%	0%	1%	2%	1%	-1%	1%	3%	0%
Below Norma		0%	-1%	0%	2%	2%	2%	1%	0%	-1%	0%	-1%	0%
Dry		1%	1%	2%	9%	4%	1%	5%	-1%	-4%	2%	-1%	-1%
Critical		0%	-1%	1%	24%	18%	10%	0%	-2%	-3%	-2%	-4%	-4%

Difference in Energy generated (GWh) at Oroville Dam: CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norm	0	0	0	0	0	0	0	0	0	-4	0	0	0
1923	Below Norm	3	34	-34	0	57	-11	-36	-13	24	-3	-16	22	2
1924	Critical	14	-1	14	-1	-14	0	0	-12	-44	17	-1	-36	-5
1925	Dry	-15	1	1	1	1	2	1	2	3	3	2	41	3
1926	Dry	0	0	0	0	0	0	17	2	4	9	-2	-7	2
1927	Wet	-1	0	0	0	-6	0	0	0	0	-138	2	-58	-17
1928	Above Norm	6	2	3	2	34	9	0	8	-16	-19	-6	25	4
1929	Critical	19	0	0	0	0	0	-1	0	0	-20	-2	1	0
1930	Dry	1	0	1	0	0	0	0	0	15	77	-27	-6	5
1931	Critical	13	-2	30	-1	-17	-1	-3	-3	-42	-16	-4	-1	-4
1932	Dry	-1	-2	-2	0	0	-1	-1	-1	-1	-1	0	-1	-1
1933	Critical	-1	-1	0	0	0	-1	-1	-1	-1	-1	-1	-12	-2
1934	Critical	-2	-8	0	0	0	0	0	0	0	0	-1	4	-1
1935	Below Norm	0	0	0	0	0	0	0	0	-1	-1	0	0	0
1936	Below Norm	0	0	0	0	0	0	0	1	0	1	1	0	0
1937	Below Norm	0	0	0	0	0	0	0	0	-7	-6	-5	0	-1
1938	Wet	1	0	18	0	0	0	0	0	0	0	0	0	2
1939	Dry	0	0	0	0	0	0	0	0	-25	10	9	11	0
1940	Above Norm	2	0	2	0	0	-1	0	1	0	0	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	5	6	0	0	1
1942	Wet	-10	0	0	0	0	0	0	0	0	0	0	0	-1
1943	Wet	0	0	0	0	0	0	0	2	0	3	3	1	1
1944	Dry	3	0	4	0	-2	-14	-1	0	-3	-32	5	41	0
1945	Below Norm	-1	0	0	1	0	0	0	0	2	-4	-6	-22	-3
1946	Below Norm	3	0	0	12	3	0	0	0	6	9	22	-6	4
1947	Dry	-3	-24	0	-10	0	0	0	0	30	23	8	6	3
1948	Below Norm	8	-5	-2	-1	-2	-1	-1	-2	-2	-28	1	-13	-4
1949	Dry	-16	-2	-1	-1	2	-1	-2	-2	-2	-42	-13	-7	-7
1950	Below Norm	-1	-17	-7	0	0	0	0	1	6	17	-5	4	0
1951	Above Norm	11	-5	0	0	0	0	0	0	1	-1	10	19	3
1952	Wet	-2	-1	0	-31	0	0	0	0	0	0	0	0	-3
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norm	0	0	0	0	0	0	0	0	0	3	-3	-17	-1
1955	Dry	1	0	0	0	6	0	0	0	1	1	-24	1	-1
1956	Wet	1	1	39	0	0	0	0	0	0	0	0	0	3
1957	Above Norm	0	0	0	0	0	0	1	0	4	24	-14	37	4
1958	Wet	-1	-1	-1	-52	0	0	0	0	0	0	2	0	-4
1959	Below Norm	0	0	0	0	0	0	-1	0	-13	21	3	0	1
1960	Dry	3	0	-13	0	0	0	4	0	7	-3	5	7	1
1961	Dry	28	-1	-1	-1	-1	-1	-2	-1	-1	2	109	2	11
1962	Below Norm	-18	1	-3	-3	-2	-2	-5	-5	-123	-12	-60	33	-16
1963	Wet	-2	-2	-1	-1	-122	0	0	0	-5	-33	-24	0	-16
1964	Dry	0	1	1	1	1	1	24	-1	14	8	37	-19	6
1965	Wet	12	0	3	0	0	0	0	6	8	-17	-3	0	1
1966	Below Norm	6	0	0	0	0	0	0	0	-1	3	-34	26	0
1967	Wet	0	0	0	6	0	0	0	0	0	0	0	0	1
1968	Below Norm	0	0	0	0	0	0	1	0	3	-20	-1	14	0
1969	Wet	9	13	0	-23	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	2	0	6	-1	-1	1	1
1971	Wet	0	0	0	0	0	-10	0	0	0	0	0	0	-1
1972	Below Norm	0	0	0	0	-1	0	0	0	1	-1	39	-1	3
1973	Above Norm	0	0	0	-44	0	0	0	0	1	1	1	0	-3
1974	Wet	0	-4	0	0	-3	0	0	0	0	1	0	-1	-1
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	2	0	48	-12	16	4
1977	Critical	-1	-2	8	-1	30	-2	-7	-3	-10	-9	15	-12	0
1978	Above Norm	-12	-9	-5	-2	-2	-1	-118	-1	-24	21	14	-1	-12
1979	Below Norm	-3	-1	-2	-78	-25	0	0	0	3	3	-12	-3	-10
1980	Above Norm	3	0	0	6	0	0	0	0	0	0	0	0	1
1981	Dry	0	0	0	0	0	0	0	0	5	-34	-25	68	1
1982	Wet	0	0	-6	0	0	0	0	0	0	-2	0	0	-1
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	-11	-1
1985	Dry	50	-1	0	0	0	-8	2	-2	-58	4	2	-1	-1
1986	Wet	1	1	0	0	1	0	0	0	0	14	0	0	1
1987	Dry	0	-8	-4	-2	0	0	54	-44	31	57	-15	-2	5
1988	Critical	-13	-3	-1	-1	-1	-2	-2	-2	-4	-44	-18	-1	-8
1989	Dry	1	0	0	0	0	-28	0	-1	-13	11	-3	18	-1
1990	Critical	-1	0	-6	0	0	0	0	0	0	-1	0	0	-1
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	-1	-4	0	-1
1993	Above Norm	-5	0	0	0	0	7	0	0	0	12	11	0	2
1994	Critical	-3	0	0	-5	-22	0	0	0	16	-14	2	19	0
1995	Wet	-5	-3	0	0	-23	0	0	0	0	0	0	0	-3
1996	Wet	0	0	0	0	0	0	0	0	5	1	0	0	0
1997	Wet	3	-11	0	0	0	0	0	0	12	11	0	1	1
1998	Wet	20	0	-1	-48	0	0	0	0	0	0	0	0	-2
1999	Wet	0	0	0	0	0	0	0	0	0	1	0	0	0
2000	Above Norm	0	-1	0	0	0	0	0	0	0	6	0	10	1
2001	Dry	-1	0	-9	0	0	0	0	0	1	1	-32	41	0
2002	Dry	-1	0	0	0	-1	0	-1	0	9	3	-33	53	2
2003	Above Norm	-4	-2	-1	-1	11	-60	0	-28	32	-2	-2	-10	-6
Average		1	-1	0	-3	-1	-2	-1	-1	-2	-1	-1	3	-1
Wet		1	0	2	-6	-6	0	0	0	1	-6	-1	-3	-1
Above Norm		0	-1	0	-3	4	-4	-10	-2	0	3	1	5	-1
Below Norm		0	1	-3	-5	2	-1	-3	-1	-7	-1	-5	4	-2
Dry		3	-2	-1	-1	0	-3	5	-3	1	5	0	14	2
Critical		3	-1	4	-1	-2	-1	-1	-2	-7	-3	-2	-2	-1

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy generated (GWh) at Oroville Dam: CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	0%	0%
1923	Below Norma	2%	39%	-11%	0%	117%	-8%	-29%	-8%	12%	-1%	-5%	17%
1924	Critical	12%	-1%	14%	-2%	-24%	-1%	0%	-10%	-25%	13%	-1%	-38%
1925	Dry	-42%	4%	4%	4%	4%	2%	2%	2%	2%	2%	2%	59%
1926	Dry	1%	1%	1%	1%	0%	1%	22%	1%	2%	4%	-1%	-5%
1927	Wet	-1%	0%	0%	0%	-2%	0%	0%	0%	0%	-37%	1%	-31%
1928	Above Norma	4%	4%	4%	4%	24%	2%	0%	3%	-6%	-7%	-3%	18%
1929	Critical	20%	0%	0%	0%	0%	0%	0%	0%	0%	-13%	-1%	1%
1930	Dry	1%	1%	1%	1%	0%	1%	0%	0%	6%	43%	-12%	-5%
1931	Critical	14%	-2%	41%	-4%	-45%	-3%	-2%	-3%	-18%	-8%	-3%	-2%
1932	Dry	-3%	-10%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%
1933	Critical	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-15%
1934	Critical	-3%	-15%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	4%
1935	Below Norma	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1936	Below Norma	0%	0%	-1%	0%	0%	0%	0%	0%	0%	0%	1%	0%
1937	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	-2%	-2%	-3%	0%
1938	Wet	1%	1%	13%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	0%	0%	0%	0%	-9%	3%	3%	10%
1940	Above Norma	2%	1%	6%	-1%	0%	0%	0%	1%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	0%	0%	0%	0%	0%	2%	2%	0%	0%
1942	Wet	-6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	1%	0%	1%	1%	0%
1944	Dry	2%	0%	4%	0%	-4%	-13%	-1%	0%	-1%	-8%	2%	21%
1945	Below Norma	0%	-1%	0%	2%	0%	0%	0%	0%	1%	-1%	-2%	-16%
1946	Below Norma	3%	1%	0%	23%	3%	0%	0%	0%	2%	2%	7%	-3%
1947	Dry	-2%	-33%	0%	-18%	0%	0%	0%	0%	22%	7%	3%	5%
1948	Below Norma	13%	-8%	-6%	-5%	-6%	-5%	-4%	-2%	-2%	-7%	0%	-14%
1949	Dry	-13%	-2%	-2%	-2%	2%	-3%	-2%	-2%	-1%	-15%	-10%	-5%
1950	Below Norma	-1%	-26%	-23%	1%	1%	1%	1%	0%	3%	6%	-3%	4%
1951	Above Norma	14%	-2%	0%	0%	0%	0%	0%	0%	0%	0%	3%	11%
1952	Wet	-2%	-1%	-1%	-19%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	-1%	-10%
1955	Dry	1%	1%	1%	1%	10%	0%	0%	0%	1%	0%	-15%	2%
1956	Wet	1%	2%	19%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norma	0%	0%	0%	0%	0%	0%	1%	0%	1%	8%	-5%	47%
1958	Wet	-1%	-1%	-1%	-50%	0%	0%	0%	0%	0%	0%	1%	0%
1959	Below Norma	0%	0%	0%	0%	0%	0%	-1%	0%	-4%	6%	1%	0%
1960	Dry	2%	-1%	-10%	0%	0%	0%	4%	0%	3%	-1%	2%	4%
1961	Dry	30%	-2%	-3%	-3%	-3%	-2%	-1%	-1%	-1%	86%	2%	2%
1962	Below Norma	-14%	2%	-12%	-12%	-11%	-9%	-5%	-5%	-32%	-3%	-21%	21%
1963	Wet	-6%	-5%	-3%	-2%	-25%	0%	0%	-2%	-2%	-8%	-10%	0%
1964	Dry	0%	2%	2%	2%	1%	2%	10%	-1%	5%	2%	15%	-15%
1965	Wet	15%	1%	2%	0%	0%	0%	0%	2%	6%	-6%	-3%	0%
1966	Below Norma	4%	0%	0%	0%	0%	0%	0%	0%	0%	1%	-12%	21%
1967	Wet	0%	0%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%
1968	Below Norma	0%	0%	0%	0%	0%	0%	1%	0%	1%	-6%	0%	12%
1969	Wet	8%	28%	-1%	-5%	0%	0%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	0%	1%	0%	2%	0%	0%	1%
1971	Wet	0%	0%	0%	0%	0%	-3%	0%	0%	0%	0%	0%	0%
1972	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	20%	-1%
1973	Above Norma	-1%	-1%	-1%	-13%	0%	0%	0%	0%	0%	0%	1%	0%
1974	Wet	0%	-1%	0%	0%	-1%	0%	0%	0%	0%	1%	0%	-1%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	0%	1%	0%	33%	-8%	12%
1977	Critical	-1%	-2%	5%	-4%	106%	-7%	-10%	-7%	-9%	-10%	20%	-32%
1978	Above Norma	-31%	-57%	-32%	-13%	-9%	-5%	-63%	-1%	-15%	9%	11%	-2%
1979	Below Norma	-2%	-2%	-2%	-65%	-7%	0%	0%	0%	1%	1%	-8%	-2%
1980	Above Norma	4%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	0%	0%	0%	0%	2%	-11%	-13%	45%
1982	Wet	0%	0%	-1%	0%	0%	0%	0%	0%	0%	-2%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-6%
1985	Dry	78%	-1%	-1%	-1%	-1%	-14%	2%	-1%	-15%	1%	1%	-1%
1986	Wet	1%	1%	1%	1%	0%	0%	0%	0%	0%	7%	0%	0%
1987	Dry	0%	-13%	-7%	-3%	0%	0%	44%	-26%	15%	29%	-7%	-2%
1988	Critical	-11%	-5%	-5%	-4%	-3%	-3%	-3%	-3%	-3%	-26%	-13%	-1%
1989	Dry	1%	-2%	-1%	-1%	-1%	-19%	0%	0%	-4%	3%	-1%	27%
1990	Critical	-1%	-1%	-5%	0%	0%	0%	0%	0%	0%	-1%	0%	0%
1991	Critical	-1%	0%	0%	-1%	0%	-1%	0%	0%	0%	0%	0%	0%
1992	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	-3%	0%
1993	Above Norma	-7%	0%	0%	0%	0%	3%	0%	0%	0%	4%	6%	0%
1994	Critical	3%	0%	0%	-11%	-13%	0%	0%	0%	7%	-4%	1%	19%
1995	Wet	-5%	-6%	-1%	-1%	-10%	0%	0%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	0%	0%	0%	0%	0%	0%	2%	0%	0%	0%
1997	Wet	2%	-8%	0%	0%	0%	0%	0%	0%	6%	5%	0%	1%
1998	Wet	16%	-1%	-1%	-8%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	6%
2001	Dry	-1%	-1%	-5%	0%	0%	0%	0%	0%	1%	1%	-19%	55%
2002	Dry	-1%	-1%	-1%	-1%	-1%	-1%	-1%	0%	6%	1%	-15%	49%
2003	Above Norma	-3%	-3%	-3%	-2%	18%	-54%	0%	-10%	8%	-1%	-1%	-4%
Average		1%	-2%	0%	-3%	1%	-2%	0%	-1%	0%	0%	0%	3%
Above Norma		1%	0%	1%	-3%	-1%	0%	0%	1%	1%	-1%	0%	-1%
Below Norma		-2%	-5%	-2%	-2%	3%	-5%	-5%	-1%	-1%	1%	1%	6%
Dry		0%	0%	-4%	-4%	7%	-1%	-3%	-1%	-1%	0%	-2%	3%
Critical		3%	-3%	-1%	-1%	0%	-3%	4%	-2%	2%	3%	1%	14%
Critical		3%	-2%	4%	-2%	2%	-1%	-1%	-2%	-4%	-1%	-1%	-4%

Difference in Energy generated (GWh) at SWP San Luis: CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	-1	-1	-1	1	0	0	0
1923	Below Norma	0	0	0	0	-3	-1	0	4	4	-2	6	0	1
1924	Critical	0	0	0	0	-19	3	4	7	11	-7	0	0	0
1925	Dry	0	0	0	0	0	1	0	0	0	2	2	0	0
1926	Dry	0	0	0	0	0	21	0	-3	-5	-6	-2	1	1
1927	Wet	0	0	0	0	0	0	0	0	-1	6	-4	0	0
1928	Above Norma	0	0	0	0	0	0	1	-2	-4	2	-1	0	0
1929	Critical	-5	0	0	0	0	0	1	1	2	9	0	0	1
1930	Dry	0	0	0	0	0	0	14	11	-8	-25	10	2	0
1931	Critical	-2	0	0	0	-8	0	0	1	8	3	0	-1	0
1932	Dry	0	0	0	0	0	0	0	0	-1	-1	-1	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	-1	-1	3	0
1934	Critical	0	0	0	0	0	0	0	0	0	1	1	-2	0
1935	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	1	0	0	0	1	0	0
1937	Below Norma	0	-1	0	0	0	0	0	-3	1	1	1	-1	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	7	0	0	-6	8	0	0	1
1940	Above Norma	0	-1	0	0	0	0	0	0	-1	-1	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	-3	-3	15	0	1
1942	Wet	0	0	0	0	0	0	0	0	0	-1	-1	0	0
1943	Wet	0	0	0	0	0	0	0	0	1	0	0	0	0
1944	Dry	0	0	0	0	0	2	-4	-5	0	-3	-2	0	-1
1945	Below Norma	-2	0	0	0	0	-6	0	1	1	1	2	0	0
1946	Below Norma	0	0	0	0	0	0	0	0	0	0	-1	0	0
1947	Dry	0	0	0	0	0	0	5	4	-3	-4	-1	0	0
1948	Below Norma	0	0	3	0	1	0	0	2	-10	12	-1	0	0
1949	Dry	2	-1	0	0	0	0	-2	-3	-2	4	-1	0	0
1950	Below Norma	-1	0	0	0	0	0	4	2	2	-2	-3	0	0
1951	Above Norma	0	0	0	0	0	0	0	0	2	3	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	2	0	0	-5	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	1	-1	-1	2	0
1955	Dry	0	0	0	0	-6	-2	-1	2	2	-1	15	1	1
1956	Wet	0	0	0	0	0	0	0	0	0	0	1	0	0
1957	Above Norma	0	0	0	0	0	0	2	2	1	5	0	0	1
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	1	1	1	-1	-1	0	0	0
1960	Dry	0	-7	0	0	0	0	18	11	-1	-7	0	0	1
1961	Dry	-3	0	0	0	0	0	4	-1	-5	-5	-1	0	-1
1962	Below Norma	0	0	0	0	0	0	-9	0	20	2	0	0	1
1963	Wet	0	0	0	0	0	0	2	0	4	10	8	0	2
1964	Dry	0	0	0	0	-1	8	7	-7	-19	0	0	0	-1
1965	Wet	0	0	0	0	0	0	0	0	-24	10	2	0	-1
1966	Below Norma	0	0	0	0	0	0	0	0	0	0	0	-1	0
1967	Wet	0	0	0	0	0	0	0	0	-1	-1	-1	0	0
1968	Below Norma	0	0	0	0	0	0	1	1	0	0	8	-6	0
1969	Wet	0	0	0	0	0	0	0	0	-1	-1	-1	0	0
1970	Wet	0	0	0	0	0	0	0	0	-2	9	-1	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	2	0	0
1972	Below Norma	0	-1	0	0	0	0	8	1	-3	-9	-2	0	-1
1973	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	5	3	3	-13	5	0	0
1977	Critical	0	0	0	0	11	0	1	-3	-4	0	0	0	0
1978	Above Norma	0	0	0	0	0	0	0	9	3	-8	-4	0	0
1979	Below Norma	2	0	2	0	0	0	0	0	-1	-6	3	1	0
1980	Above Norma	0	0	0	0	0	0	0	1	1	0	0	0	0
1981	Dry	0	0	0	0	0	0	1	1	0	-1	-1	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	1	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	14	-1	-3	-8	0	0	0	0
1986	Wet	0	0	0	0	0	0	0	0	5	-5	1	0	0
1987	Dry	0	0	0	0	0	0	-30	17	-11	-15	2	0	-3
1988	Critical	3	-1	0	0	-1	0	-2	-2	-2	12	0	-1	0
1989	Dry	-1	0	0	0	0	0	0	3	5	-1	1	-2	0
1990	Critical	0	0	3	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	1	1	1	1	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	1	0	0
1993	Above Norma	0	0	0	0	0	0	0	10	0	-5	-4	0	0
1994	Critical	0	0	0	0	0	2	9	3	-17	0	0	0	0
1995	Wet	-2	0	0	0	0	0	0	6	1	4	2	0	1
1996	Wet	0	1	0	0	0	0	0	1	0	0	0	0	0
1997	Wet	-1	0	0	0	0	0	3	3	-2	-2	2	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	2	3	0	6	-1	0	1
2001	Dry	0	0	0	0	0	0	1	-8	1	1	7	0	0
2002	Dry	1	0	0	0	5	0	4	3	-3	-5	-1	0	0
2003	Above Norma	1	-10	0	0	2	0	-2	-1	-13	0	0	0	-2
Average		0	0	0	0	0	1	1	1	-1	0	1	0	0
Wet		0	0	0	0	0	0	0	0	-1	1	1	0	0
Above Norma		0	-1	0	0	0	0	0	2	-1	0	-1	0	0
Below Norma		0	0	0	0	0	0	0	1	1	0	1	-1	0
Dry		0	0	0	0	0	3	1	1	-4	-3	1	0	0
Critical		0	0	0	0	-1	0	1	1	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy generated (GWh) at SWP San Luis: CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	-	-	-	-	-7%	-3%	-3%	2%	0%	-33%
1923	Below Norma	-100%	-	-	-	-100%	-3%	0%	8%	8%	-15%	99%	-
1924	Critical	-	-6%	-	-	-100%	29%	53%	84%	-	-95%	-	-
1925	Dry	-	-	-	-	-	68%	-	-	1%	3%	6%	-
1926	Dry	-	-	-	-	-	-	-	-5%	-11%	-10%	-8%	9%
1927	Wet	-	-	-	-	-	-	-1%	0%	-1%	18%	-11%	-
1928	Above Norma	-	-	-	-	-	-	3%	-5%	-8%	3%	-100%	-
1929	Critical	-100%	-	-	-	-	-	6%	3%	4%	25%	-	5%
1930	Dry	-	-	-	-	-	-	79%	24%	-15%	-42%	71%	157%
1931	Critical	-100%	-	-	-	-100%	-	-1%	4%	1405%	46%	-	-21%
1932	Dry	-100%	-	-	-	-	-	0%	-5%	-1%	-2%	-5%	-100%
1933	Critical	-	-	-	-	-	-	2%	-1%	0%	-2%	-4%	32%
1934	Critical	-	-	-	-	-	-	0%	0%	0%	1%	9%	-58%
1935	Below Norma	-	-	-	-	-	-	0%	0%	0%	0%	-1%	1%
1936	Below Norma	-3%	2%	-	-	-	-	5%	0%	0%	-1%	3%	-5%
1937	Below Norma	9%	-4%	-	-	-	-	-	-6%	2%	2%	5%	-18%
1938	Wet	-	-	-	-	-	-	-	-	-2%	0%	0%	-
1939	Dry	-	-	-	0%	-1%	546%	0%	-1%	-14%	41%	1%	-
1940	Above Norma	-	-7%	7%	-	-	-	-1%	-1%	-1%	-3%	-1%	0%
1941	Wet	-	-	-	-	-	-	-9%	-13%	-4%	-4%	47%	-
1942	Wet	-	-	-	-	-	-	-1%	0%	0%	-2%	-5%	-
1943	Wet	-	-	-	-	-	-	-	0%	1%	-1%	-1%	-
1944	Dry	-	-	-	-	-	24%	-8%	-9%	-1%	-44%	-48%	-
1945	Below Norma	-98%	-	-	-	-	-16%	1%	2%	3%	8%	13%	-
1946	Below Norma	-	-	-	-	-1%	-	0%	0%	1%	-25%	-66%	-
1947	Dry	-	-	-	-	-	-	9%	5%	-5%	-22%	-	-
1948	Below Norma	-	-	18%	-	5%	-	-	5%	-24%	163%	-9%	-
1949	Dry	-	-15%	-	-	-	-	-22%	-7%	-5%	-	-4%	-
1950	Below Norma	-10%	-	-	-	-	-	16%	3%	5%	-4%	-12%	-
1951	Above Norma	-	-	-	-	-	-	0%	1%	3%	11%	5%	-
1952	Wet	-	-	-	-	-	-	-	0%	0%	0%	0%	-
1953	Wet	-	-	-	0%	0%	-	1%	6%	0%	0%	-8%	-
1954	Above Norma	-	-	-	-	-	-	0%	0%	2%	-6%	-8%	571%
1955	Dry	-	-	-	-	-70%	-100%	-11%	10%	3%	-3%	413%	-
1956	Wet	-	-	-	-	-	-	0%	0%	0%	0%	1%	-
1957	Above Norma	-	-1%	-	-	-	-	3%	8%	6%	20%	-	-
1958	Wet	-	-	-	-	-	-	-	1%	0%	1%	0%	-
1959	Below Norma	-	-	-	0%	-	2%	2%	1%	-3%	-4%	-	8%
1960	Dry	-	-100%	-	-	-	-	32%	26%	-3%	-20%	-1%	-
1961	Dry	-100%	-	-	-	-	-	10%	-1%	-7%	-19%	-25%	-100%
1962	Below Norma	-	-	-	-	-	-	-18%	0%	56%	21%	-4%	-
1963	Wet	-	-	-	-	-	-	9%	1%	8%	36%	29%	-
1964	Dry	-	-	-	-	-3%	20%	27%	-23%	-100%	-	-	-
1965	Wet	-	-	-	-	-	-	-	0%	-40%	26%	5%	-
1966	Below Norma	-	-	-	-	-	-	1%	1%	0%	-1%	2%	-16%
1967	Wet	-	-	-	-	-	-	-	-	-15%	-7%	-5%	-
1968	Below Norma	-	-	-	0%	-	-	1%	1%	0%	-2%	-	-48%
1969	Wet	-	-	-	-	-	-	-	-	-25%	-3%	-3%	-
1970	Wet	-	-	-	0%	-	-	0%	0%	-4%	44%	-6%	-4%
1971	Wet	-	-	-	-	0%	-	0%	1%	2%	1%	24%	-
1972	Below Norma	-	-16%	-	-	-	-	50%	3%	-12%	-35%	-100%	-
1973	Above Norma	-	-	-	-	-	-	1%	1%	0%	0%	-5%	3%
1974	Wet	-	-	-	-	-	-	0%	0%	0%	0%	0%	-
1975	Wet	-	-	-	-	-	-	1%	0%	0%	0%	0%	-
1976	Critical	-	-	-	-	2%	-	9%	6%	12%	-28%	148%	-
1977	Critical	-	-	-	-	187%	-12%	9%	-46%	-57%	1%	-	-
1978	Above Norma	-	-	-	-	-	-	-	-	6%	-11%	-8%	-
1979	Below Norma	41%	-	13%	-	-	-	1%	0%	-3%	-21%	7%	180%
1980	Above Norma	-	-	-	-	-	-	-	3%	1%	1%	2%	-
1981	Dry	-	2%	-	-	-	-	3%	1%	0%	-4%	-4%	-
1982	Wet	-	-	-	-	-	-	-	0%	0%	0%	5%	-
1983	Wet	-	-	-	0%	-	-	-	-	-	-	0%	-
1984	Wet	-	-	-	0%	-	-	0%	0%	0%	0%	0%	-
1985	Dry	-	-	-	-	-	39%	-3%	-8%	-26%	-	-	-
1986	Wet	-	-	-	-	-	-	-	-	9%	-6%	2%	-
1987	Dry	-	-	-	-	-	-	-43%	36%	-28%	-51%	48%	-
1988	Critical	123%	-12%	-	-	-16%	-5%	-27%	-8%	-5%	60%	-	-34%
1989	Dry	-100%	-	-	-	-	-	0%	5%	10%	-6%	9%	-100%
1990	Critical	-	-1%	51%	-	-	-	0%	0%	0%	0%	-	-
1991	Critical	-	-	-	-	-	-	5%	7%	3%	3%	3%	7%
1992	Critical	-	2%	-	-	-	-	0%	0%	0%	0%	4%	-9%
1993	Above Norma	-	-	-	-	-	-	0%	27%	-2%	-10%	-7%	-
1994	Critical	-	0%	-	-	-	35%	37%	11%	-60%	-	-	-
1995	Wet	-100%	-	-	-	-	-	-	97%	7%	24%	9%	-
1996	Wet	-	63%	-	-100%	-	-	-	11%	0%	0%	1%	-
1997	Wet	-4%	-	-	-	-	-	15%	10%	-3%	-4%	6%	-
1998	Wet	-	-	-	-	-	-	-	12%	1%	1%	0%	-
1999	Wet	-	-	0%	0%	-	-	3%	1%	1%	-1%	1%	-
2000	Above Norma	4%	-	-	-	-	-	5%	6%	-1%	35%	-5%	-
2001	Dry	-	-	-	-	-	-	13%	-14%	1%	1%	73%	-
2002	Dry	23%	-	-	-	9%	-	10%	7%	-5%	-33%	-27%	-
2003	Above Norma	17%	-100%	-	-	4%	-	-8%	-2%	-46%	-	-	-
Average		-33%	-12%	18%	-11%	-12%	48%	4%	4%	13%	0%	8%	18%
Wet		-4%	2%	0%	-4%	0%	0%	1%	5%	-3%	5%	4%	0%
Above Norma		2%	-9%	1%	0%	0%	0%	0%	3%	-3%	4%	-11%	45%
Below Norma		-12%	-1%	2%	0%	-7%	-1%	4%	1%	2%	6%	-4%	7%
Dry		-15%	-6%	0%	0%	-4%	33%	5%	2%	-11%	-13%	26%	-7%
Critical		-6%	-1%	4%	0%	-2%	4%	8%	5%	108%	1%	13%	-7%

Difference in Energy generated (GWh) at Syst. Tot.: CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	16	6	0	-4	-3	-2	-5	-2	-2	0
1923	Below Norma	0	37	-41	0	62	-12	-41	-11	30	-6	1	52	6
1924	Critical	24	6	24	4	-30	4	3	-7	-42	13	-2	-44	-4
1925	Dry	-19	1	1	-35	2	8	2	-3	-2	5	21	64	4
1926	Dry	25	31	19	3	-40	85	16	-1	-7	-3	-11	-15	8
1927	Wet	-9	-7	-8	1	-7	1	-1	-1	-1	-152	-4	-67	-21
1928	Above Norma	5	1	2	39	37	13	48	17	-33	-30	-19	19	8
1929	Critical	6	-10	-10	1	1	0	3	5	5	-10	1	4	0
1930	Dry	2	1	1	0	-11	0	43	16	5	62	-33	-14	6
1931	Critical	30	15	82	43	11	14	-14	-16	-56	-29	-16	-13	4
1932	Dry	-7	-6	-4	-1	-2	-3	0	1	0	-3	-12	-11	-4
1933	Critical	-14	-16	-5	-6	61	-5	2	2	2	-2	-12	-21	-1
1934	Critical	-17	-28	-12	-1	13	-1	-1	-1	-1	0	-1	2	-4
1935	Below Norma	0	-1	0	0	0	0	8	0	0	-1	0	0	0
1936	Below Norma	0	2	-2	-1	0	1	2	1	0	2	3	0	1
1937	Below Norma	2	-6	5	1	0	36	-7	-11	-14	-14	-11	-7	-2
1938	Wet	-7	-8	12	1	0	0	0	-4	0	0	0	0	-1
1939	Dry	0	0	1	0	-1	7	1	1	-35	19	11	14	1
1940	Above Norma	3	0	3	-3	-1	-1	0	1	0	-1	0	0	0
1941	Wet	0	0	0	23	2	-3	1	2	3	4	15	-5	4
1942	Wet	-22	-4	-4	0	0	1	0	0	0	-1	-1	0	-3
1943	Wet	0	0	0	0	0	0	2	4	3	5	5	3	2
1944	Dry	5	2	7	1	63	-11	-16	-17	-15	-51	-8	36	0
1945	Below Norma	-14	-11	-11	0	13	-32	0	2	5	-2	-3	-24	-6
1946	Below Norma	5	2	2	14	4	0	0	0	12	9	24	-7	5
1947	Dry	-4	-28	-1	-12	-1	28	18	18	45	37	23	22	12
1948	Below Norma	24	8	15	2	2	0	-11	-5	-17	-25	-4	-20	-3
1949	Dry	-22	-8	-6	-8	-1	-4	-12	-16	-17	-58	-34	-26	-18
1950	Below Norma	-18	-38	-20	-2	-1	8	8	7	13	22	-5	9	-1
1951	Above Norma	16	-2	4	1	0	-1	0	0	3	2	12	22	5
1952	Wet	-2	-1	0	-36	0	0	0	0	0	0	0	0	-3
1953	Wet	0	0	0	0	0	0	1	2	0	0	-4	0	0
1954	Above Norma	0	0	0	1	1	-1	0	0	1	-1	-14	-18	-2
1955	Dry	0	0	-1	0	2	4	-4	5	6	6	2	18	3
1956	Wet	20	23	59	-1	-1	-1	0	0	0	0	1	0	8
1957	Above Norma	0	0	0	1	0	0	12	12	10	37	-11	47	9
1958	Wet	4	4	4	-60	1	0	0	0	0	0	2	0	-4
1959	Below Norma	0	0	-3	0	2	3	1	3	-13	26	5	3	2
1960	Dry	5	-5	-13	1	1	4	63	21	4	-10	-10	-4	5
1961	Dry	52	24	64	51	-11	-20	14	1	-5	-2	125	3	25
1962	Below Norma	-11	10	15	10	11	-115	-48	-16	-128	-20	-78	31	-28
1963	Wet	-18	-17	-14	-4	-141	5	2	1	-3	-38	-28	-3	-22
1964	Dry	-3	-2	-2	89	0	41	86	-29	-80	10	37	-26	10
1965	Wet	25	12	32	12	-1	4	5	12	-9	-4	3	5	8
1966	Below Norma	12	5	5	0	0	-1	1	1	0	4	-38	30	2
1967	Wet	1	1	1	56	2	-9	-4	-5	-6	-6	-6	-4	2
1968	Below Norma	-4	-4	0	0	0	0	4	3	6	-22	9	12	0
1969	Wet	13	18	2	18	2	-2	-3	-2	-5	-5	-5	-4	2
1970	Wet	-4	-4	0	0	0	0	3	0	5	8	-1	2	1
1971	Wet	0	0	0	0	0	-11	0	0	1	0	26	-9	1
1972	Below Norma	-7	-5	-2	57	1	15	34	-6	-14	-21	25	-17	5
1973	Above Norma	0	0	18	-52	-5	0	1	1	2	2	2	1	-3
1974	Wet	1	-4	1	0	-4	0	0	0	0	1	0	-2	-1
1975	Wet	0	0	0	0	-10	0	1	0	0	0	0	0	-1
1976	Critical	0	0	0	0	0	4	25	15	14	54	2	29	12
1977	Critical	10	8	20	2	51	-1	-22	-25	-33	-27	10	-26	-3
1978	Above Norma	-15	-12	-8	125	-33	-1	-134	11	-24	21	19	3	-4
1979	Below Norma	11	13	23	-119	-44	-13	1	1	3	-2	-10	-2	-12
1980	Above Norma	4	1	1	9	0	0	-1	2	2	2	1	1	2
1981	Dry	1	1	1	1	0	-8	3	3	7	-38	-28	81	2
1982	Wet	2	2	-6	0	0	0	0	0	0	-2	1	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	-1	-12	-1
1985	Dry	58	-1	0	-1	0	4	-1	-21	-82	13	-7	-14	-4
1986	Wet	-12	-12	-12	-3	15	7	7	8	13	19	9	8	4
1987	Dry	8	-1	3	6	0	-9	27	-39	19	46	-20	-7	3
1988	Critical	-17	-9	-6	-6	-10	-3	-14	-17	-19	-52	-32	-12	-16
1989	Dry	-5	-3	-2	-1	-2	-30	1	4	-10	13	-2	21	-1
1990	Critical	2	3	0	10	10	4	0	0	0	-1	0	0	2
1991	Critical	0	0	0	0	-1	-2	4	5	6	5	3	3	2
1992	Critical	1	1	1	0	0	-11	1	0	1	-2	-8	-5	-2
1993	Above Norma	-12	-8	-5	0	3	8	-1	10	-1	8	8	-1	1
1994	Critical	3	-1	-1	-2	-23	12	34	7	-4	-19	-10	12	1
1995	Wet	7	12	41	42	-27	-3	9	32	7	25	19	9	14
1996	Wet	8	2	-51	2	2	0	-1	4	7	3	1	1	-2
1997	Wet	4	-12	1	0	0	0	10	11	19	19	10	9	6
1998	Wet	30	7	7	-54	0	-1	1	1	-1	0	2	1	-1
1999	Wet	0	0	0	0	0	0	1	1	1	2	1	0	0
2000	Above Norma	1	-1	0	66	-1	1	14	21	6	24	1	6	12
2001	Dry	-6	-6	-15	0	-1	0	3	-4	6	5	-26	52	1
2002	Dry	3	2	2	0	22	0	13	10	14	5	-34	68	9
2003	Above Norma	6	-2	11	37	16	-30	-16	-36	13	1	0	-11	-1
Average		2	0	3	4	0	0	2	0	-5	-2	-1	3	0
Wet		2	0	2	0	-6	-1	1	3	1	-5	2	-3	0
Above Norma		1	-2	2	20	2	-1	-7	3	-2	5	0	6	2
Below Norma		0	1	-1	-3	4	-8	-3	-2	-8	-3	-6	4	-2
Dry		5	0	3	5	1	5	14	-3	-8	3	0	15	3
Critical		2	-3	8	4	7	1	2	-3	-11	-6	-5	-6	-1

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy generated (GWh) at Syst. Tot.: CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	24%	2%	0%	-1%	0%	0%	-1%	0%	-1%
1923	Below Norma	0%	10%	-7%	0%	19%	-3%	-9%	-2%	5%	-1%	0%	13%
1924	Critical	7%	2%	7%	2%	-14%	2%	2%	-3%	-14%	5%	-1%	-25%
1925	Dry	-27%	1%	2%	-22%	1%	6%	1%	-1%	-1%	1%	7%	27%
1926	Dry	14%	29%	18%	5%	-15%	56%	6%	0%	-1%	-1%	-2%	-4%
1927	Wet	-2%	-3%	-2%	0%	-1%	0%	0%	0%	0%	-21%	-1%	-14%
1928	Above Norma	1%	0%	1%	14%	9%	1%	13%	3%	-6%	-5%	-4%	5%
1929	Critical	2%	-4%	-4%	1%	1%	0%	1%	1%	1%	-3%	0%	2%
1930	Dry	2%	1%	1%	1%	-6%	0%	17%	4%	1%	13%	-6%	-4%
1931	Critical	10%	6%	42%	66%	13%	25%	-4%	-5%	-12%	-7%	-5%	-7%
1932	Dry	-7%	-9%	-2%	-3%	-1%	-1%	0%	0%	0%	-1%	-4%	-4%
1933	Critical	-7%	-12%	-7%	-11%	53%	-1%	1%	1%	-1%	-1%	-3%	-7%
1934	Critical	-8%	-16%	-7%	-2%	7%	-2%	0%	0%	0%	0%	0%	1%
1935	Below Norma	0%	0%	0%	0%	0%	0%	3%	0%	0%	0%	0%	0%
1936	Below Norma	0%	1%	-1%	-2%	0%	0%	1%	0%	0%	0%	0%	0%
1937	Below Norma	1%	-2%	2%	1%	0%	12%	-2%	-2%	-2%	-2%	-2%	-2%
1938	Wet	-2%	-2%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	0%	1%	0%	0%	-6%	3%	2%	4%
1940	Above Norma	1%	0%	1%	-3%	1%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	8%	0%	0%	0%	0%	1%	1%	3%	-1%
1942	Wet	-5%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	1%	1%	1%	1%	1%
1944	Dry	1%	1%	2%	0%	26%	-3%	-3%	-4%	-2%	-7%	-1%	7%
1945	Below Norma	-4%	-4%	-4%	0%	6%	-9%	0%	1%	1%	0%	-1%	-6%
1946	Below Norma	1%	1%	1%	4%	1%	0%	0%	0%	2%	1%	4%	-2%
1947	Dry	-1%	-9%	0%	-6%	0%	15%	5%	4%	10%	6%	5%	6%
1948	Below Norma	8%	3%	6%	1%	2%	0%	-6%	-1%	-4%	-3%	-1%	-5%
1949	Dry	-5%	-2%	-2%	-4%	-1%	-3%	-5%	-4%	-11%	-9%	-7%	-7%
1950	Below Norma	-8%	-18%	-17%	-3%	-1%	4%	2%	1%	2%	3%	-1%	2%
1951	Above Norma	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	2%	5%
1952	Wet	-1%	0%	0%	-8%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	0%
1954	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-2%	-4%
1955	Dry	0%	0%	0%	0%	1%	3%	-2%	2%	1%	2%	1%	7%
1956	Wet	10%	15%	20%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norma	0%	0%	0%	0%	0%	0%	2%	3%	2%	7%	-2%	16%
1958	Wet	2%	1%	2%	-16%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	-1%	0%	0%	1%	0%	1%	-2%	4%	1%	1%
1960	Dry	2%	-2%	-4%	0%	1%	3%	17%	5%	1%	-2%	-2%	-1%
1961	Dry	17%	11%	34%	48%	-7%	-8%	4%	0%	-1%	0%	31%	1%
1962	Below Norma	-3%	4%	10%	12%	15%	-44%	-11%	-3%	-17%	-3%	-13%	7%
1963	Wet	-6%	-6%	-5%	-1%	-17%	1%	0%	0%	0%	-5%	-5%	-1%
1964	Dry	-1%	-1%	-1%	41%	0%	11%	18%	-8%	-15%	2%	8%	-7%
1965	Wet	9%	6%	10%	1%	0%	1%	1%	2%	-2%	-1%	1%	2%
1966	Below Norma	3%	1%	2%	0%	0%	0%	0%	0%	0%	1%	-6%	8%
1967	Wet	0%	0%	0%	19%	0%	-1%	-1%	-1%	-1%	-1%	-1%	-1%
1968	Below Norma	-1%	-1%	0%	0%	0%	0%	1%	1%	1%	-3%	2%	3%
1969	Wet	4%	7%	1%	3%	0%	0%	0%	0%	-1%	-1%	-1%	-1%
1970	Wet	-1%	-1%	0%	0%	0%	0%	0%	0%	1%	1%	0%	0%
1971	Wet	0%	0%	0%	0%	0%	-2%	0%	0%	0%	0%	4%	-2%
1972	Below Norma	-2%	-2%	-1%	23%	0%	3%	11%	-2%	-3%	-4%	6%	-5%
1973	Above Norma	0%	0%	11%	-8%	-1%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	-1%	0%	0%	-1%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	1%	6%	4%	3%	14%	1%	9%
1977	Critical	3%	3%	6%	2%	35%	-2%	-14%	-19%	-16%	-15%	7%	-27%
1978	Above Norma	-23%	-39%	-26%	94%	-12%	0%	-27%	3%	-5%	3%	4%	1%
1979	Below Norma	2%	3%	6%	-52%	-7%	-3%	0%	0%	1%	0%	-2%	0%
1980	Above Norma	1%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	0%	-1%	1%	1%	1%	-6%	-6%	20%
1982	Wet	1%	1%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-3%
1985	Dry	18%	0%	0%	0%	0%	1%	0%	-4%	-12%	2%	-1%	-3%
1986	Wet	-3%	-4%	-4%	-2%	2%	1%	2%	2%	3%	4%	2%	3%
1987	Dry	3%	0%	1%	2%	0%	-2%	7%	-9%	4%	10%	-4%	-2%
1988	Critical	-5%	-3%	-3%	-3%	-6%	-3%	-7%	-7%	-6%	-14%	-11%	-6%
1989	Dry	-4%	-5%	-5%	-3%	-5%	-12%	0%	1%	-2%	2%	0%	6%
1990	Critical	0%	1%	0%	24%	25%	9%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	0%	-1%	-2%	-7%	2%	2%	2%	2%	2%	2%
1992	Critical	1%	1%	1%	0%	0%	-16%	0%	0%	0%	0%	-3%	-2%
1993	Above Norma	-6%	-5%	-6%	1%	1%	1%	0%	1%	0%	1%	2%	0%
1994	Critical	1%	0%	0%	-1%	-5%	3%	11%	2%	-1%	-3%	-2%	4%
1995	Wet	2%	6%	28%	39%	-5%	0%	1%	3%	1%	5%	4%	2%
1996	Wet	2%	0%	-10%	0%	0%	0%	0%	1%	1%	0%	0%	0%
1997	Wet	1%	-3%	0%	0%	0%	0%	3%	3%	4%	4%	3%	3%
1998	Wet	10%	3%	3%	-6%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norma	0%	0%	0%	18%	0%	0%	3%	4%	1%	3%	0%	1%
2001	Dry	-2%	-2%	-4%	0%	-1%	0%	1%	-1%	1%	1%	-6%	17%
2002	Dry	1%	1%	1%	0%	6%	0%	4%	3%	3%	1%	-7%	20%
2003	Above Norma	2%	-1%	5%	14%	4%	-8%	-5%	-6%	2%	0%	0%	-2%
Average		0%	0%	1%	4%	1%	0%	1%	0%	-1%	0%	0%	1%
Wet		1%	1%	2%	1%	-1%	0%	0%	0%	0%	-1%	0%	0%
Above Norma		-2%	-4%	-1%	13%	0%	-1%	-1%	1%	0%	1%	0%	2%
Below Norma		0%	0%	0%	-1%	3%	-3%	-1%	0%	-1%	-1%	-1%	1%
Dry		1%	1%	2%	3%	0%	4%	4%	-1%	-1%	1%	0%	5%
Critical		0%	-2%	3%	6%	9%	1%	0%	-2%	-4%	-2%	-1%	-5%

Difference in Energy generated (GWh) at Thermalito Dam : CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	-1	0	0	0
1923	Below Norma	0	5	-5	0	8	-1	-5	-2	3	0	-2	3	0
1924	Critical	2	0	3	0	-2	0	0	-2	-7	3	0	-8	-1
1925	Dry	-3	0	0	0	0	0	0	0	0	0	0	6	0
1926	Dry	0	0	0	0	0	0	2	0	1	1	0	-1	0
1927	Wet	0	0	0	0	-1	0	0	0	0	-19	-1	-9	-2
1928	Above Norma	0	0	0	0	4	0	0	1	-2	-3	-1	4	0
1929	Critical	3	0	0	0	0	0	0	0	0	-3	-1	0	0
1930	Dry	0	0	0	0	0	0	0	0	2	11	-4	-1	1
1931	Critical	2	0	6	0	-3	0	0	0	-6	-2	0	0	0
1932	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	-2	0
1934	Critical	0	-2	0	0	0	0	0	0	0	0	0	1	0
1935	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	0	0	0	0	0	0	0	-1	-1	-1	0	0
1938	Wet	0	0	3	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	-3	0	0	-4	1	1	2	0
1940	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	1	1	0	0	0
1942	Wet	-1	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	1	0	0	-2	0	0	0	-5	0	7	0
1945	Below Norma	0	0	0	0	0	0	0	0	0	0	-1	-4	0
1946	Below Norma	0	0	0	2	0	0	0	0	1	1	4	-1	1
1947	Dry	0	-4	0	-2	0	0	0	0	5	4	3	2	1
1948	Below Norma	2	0	0	0	0	0	0	0	0	-3	1	-2	0
1949	Dry	-2	0	0	0	1	0	0	0	0	-6	-2	-1	-1
1950	Below Norma	0	-3	-1	0	0	0	0	0	1	2	-1	1	0
1951	Above Norma	2	-1	0	0	0	0	0	0	0	0	2	3	0
1952	Wet	0	0	0	-4	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	-3	0
1955	Dry	0	0	0	0	1	0	0	0	0	0	-4	0	0
1956	Wet	0	0	6	0	0	-1	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	1	3	-2	6	1
1958	Wet	0	0	0	-8	0	0	0	0	0	0	0	0	-1
1959	Below Norma	0	0	0	0	0	0	0	0	-2	3	1	0	0
1960	Dry	1	0	-2	0	0	0	1	0	1	0	1	1	0
1961	Dry	5	0	0	0	0	0	0	0	0	1	20	3	3
1962	Below Norma	-1	1	0	0	0	0	0	0	-16	0	-8	8	-1
1963	Wet	0	0	0	0	-17	0	0	0	-1	-5	-4	0	-2
1964	Dry	0	0	0	0	0	0	3	0	2	1	6	-3	1
1965	Wet	2	0	1	0	0	0	0	1	1	-2	0	0	0
1966	Below Norma	1	0	0	0	0	0	0	0	0	0	-5	4	0
1967	Wet	0	0	0	1	0	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	-3	0	2	0
1969	Wet	2	2	0	-3	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	1	0	0	0	0
1971	Wet	0	0	0	0	0	-1	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	1	0	0	0	0	6	0	1
1973	Above Norma	0	0	0	-6	0	0	0	0	0	0	0	0	0
1974	Wet	0	-1	0	0	-1	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	4	0	0	0	7	-2	3	1
1977	Critical	0	0	2	0	6	0	0	0	0	0	9	0	1
1978	Above Norma	2	0	0	0	0	0	-16	0	-3	3	2	0	-1
1979	Below Norma	0	0	0	-11	-4	0	0	0	0	0	-2	0	-1
1980	Above Norma	0	0	0	1	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	1	-5	-4	11	0
1982	Wet	0	0	-2	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	-2	0
1985	Dry	8	0	0	0	0	-1	0	0	-8	0	0	0	0
1986	Wet	0	0	0	0	0	0	0	0	0	2	0	0	0
1987	Dry	0	-1	-1	0	0	0	8	-6	5	10	-1	1	1
1988	Critical	-1	0	0	0	0	0	0	0	0	-7	-3	0	-1
1989	Dry	0	0	0	0	0	-4	0	0	-2	2	-1	3	0
1990	Critical	0	0	-1	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	-1	0	0
1993	Above Norma	-1	0	0	0	0	1	0	0	0	2	2	0	0
1994	Critical	1	0	0	-1	-3	0	0	0	2	-2	0	4	0
1995	Wet	-1	0	0	0	-3	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	1	1	0	0	0
1997	Wet	0	-2	0	0	0	0	0	0	2	2	0	0	0
1998	Wet	3	0	0	-7	0	0	0	0	-1	0	1	1	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	1	0	2	0
2001	Dry	0	0	-1	0	0	0	0	0	0	0	-5	7	0
2002	Dry	0	0	0	0	0	0	0	0	1	1	-5	10	1
2003	Above Norma	0	0	0	0	2	-9	0	-4	4	0	0	-1	-1
Average		0	0	0	0	0	0	0	0	0	0	0	1	0
Wet		0	0	0	-1	-1	0	0	0	0	-1	0	0	0
Above Norma		0	0	0	0	0	-1	-1	0	0	1	0	1	0
Below Norma		0	0	0	-1	0	0	0	0	-1	0	-1	1	0
Dry		0	0	0	0	0	-1	1	0	0	1	0	3	0
Critical		1	0	1	0	0	0	0	0	-1	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy generated (GWh) at Thermalito Dam : CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	-2%	0%	0%
1923	Below Norma	1%	41%	-11%	0%	107%	-3%	-51%	-18%	22%	0%	-7%	26%
1924	Critical	16%	0%	16%	0%	-21%	1%	3%	-13%	-32%	17%	-1%	-42%
1925	Dry	-42%	0%	0%	0%	0%	0%	0%	0%	0%	1%	1%	174%
1926	Dry	0%	0%	0%	0%	0%	0%	33%	1%	2%	7%	-1%	-8%
1927	Wet	0%	0%	0%	0%	-2%	0%	0%	0%	0%	-51%	-2%	-50%
1928	Above Norma	0%	0%	0%	0%	19%	0%	0%	4%	-9%	-11%	-5%	28%
1929	Critical	24%	0%	0%	0%	0%	0%	0%	0%	0%	-25%	-2%	0%
1930	Dry	0%	-2%	0%	0%	0%	0%	0%	0%	9%	81%	-16%	-7%
1931	Critical	19%	0%	45%	0%	-40%	0%	0%	0%	-19%	-7%	-1%	0%
1932	Dry	-1%	-8%	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%
1933	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-20%
1934	Critical	-3%	-18%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	4%
1935	Below Norma	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1936	Below Norma	0%	0%	-1%	0%	0%	0%	0%	0%	0%	1%	1%	0%
1937	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	-4%	-4%	-4%	0%
1938	Wet	0%	0%	12%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	-1%	-10%	0%	0%	-14%	4%	4%	15%
1940	Above Norma	2%	0%	6%	0%	0%	0%	0%	1%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	0%	0%	0%	0%	0%	4%	5%	0%	0%
1942	Wet	-6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	2%	0%	1%	2%	1%
1944	Dry	2%	0%	4%	0%	-4%	-12%	-1%	0%	-1%	-11%	1%	29%
1945	Below Norma	0%	0%	0%	3%	0%	0%	0%	0%	1%	-1%	-3%	-26%
1946	Below Norma	2%	0%	0%	21%	2%	0%	0%	0%	3%	3%	9%	-3%
1947	Dry	0%	-32%	0%	-17%	0%	0%	0%	0%	59%	11%	8%	15%
1948	Below Norma	19%	-3%	0%	0%	-1%	0%	0%	0%	0%	-7%	4%	-24%
1949	Dry	-12%	0%	0%	0%	4%	0%	0%	0%	1%	-19%	-17%	-8%
1950	Below Norma	-1%	-25%	-23%	0%	0%	0%	0%	0%	4%	7%	-5%	11%
1951	Above Norma	13%	-2%	0%	0%	0%	0%	0%	0%	0%	-1%	4%	16%
1952	Wet	0%	0%	0%	-18%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1954	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	-1%	-15%
1955	Dry	0%	0%	0%	0%	9%	0%	0%	0%	1%	0%	-24%	0%
1956	Wet	-1%	0%	18%	0%	0%	-2%	0%	0%	0%	0%	0%	1%
1957	Above Norma	0%	4%	0%	0%	0%	0%	2%	0%	2%	13%	-7%	74%
1958	Wet	0%	0%	0%	-47%	0%	0%	0%	0%	0%	0%	4%	0%
1959	Below Norma	0%	0%	0%	0%	0%	0%	-2%	0%	-6%	7%	2%	0%
1960	Dry	3%	0%	-9%	0%	0%	0%	6%	0%	4%	-1%	3%	7%
1961	Dry	38%	0%	0%	0%	0%	0%	0%	1%	2%	4%	170%	20%
1962	Below Norma	-4%	17%	0%	0%	0%	0%	0%	0%	-38%	0%	-23%	40%
1963	Wet	0%	0%	0%	0%	-24%	0%	0%	1%	-2%	-12%	-17%	-3%
1964	Dry	-2%	0%	0%	0%	0%	0%	14%	-6%	6%	1%	19%	-23%
1965	Wet	14%	0%	2%	0%	0%	0%	0%	3%	23%	-10%	-9%	0%
1966	Below Norma	5%	0%	0%	0%	0%	0%	0%	0%	0%	1%	-15%	33%
1967	Wet	0%	0%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%
1968	Below Norma	0%	0%	0%	0%	0%	0%	1%	0%	2%	-7%	-1%	22%
1969	Wet	8%	28%	0%	-5%	0%	0%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	0%	1%	0%	4%	0%	0%	2%
1971	Wet	0%	0%	0%	0%	1%	-2%	0%	0%	0%	0%	0%	0%
1972	Below Norma	0%	0%	0%	0%	0%	3%	0%	0%	1%	0%	30%	0%
1973	Above Norma	3%	0%	0%	-13%	0%	0%	0%	0%	0%	1%	1%	0%
1974	Wet	0%	-1%	0%	0%	-1%	0%	0%	0%	0%	1%	0%	-1%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	22%	0%	3%	0%	91%	-11%	17%
1977	Critical	0%	0%	8%	0%	118%	0%	-9%	0%	0%	0%	67%	1%
1978	Above Norma	22%	-2%	0%	0%	0%	0%	-77%	0%	-39%	18%	34%	0%
1979	Below Norma	0%	0%	0%	-65%	-7%	0%	0%	0%	1%	2%	-14%	-4%
1980	Above Norma	3%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	0%	0%	0%	0%	3%	-16%	-20%	67%
1982	Wet	0%	0%	-2%	0%	0%	0%	0%	0%	1%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	-3%	-3%	-1%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-10%
1985	Dry	77%	0%	0%	0%	0%	-12%	6%	-1%	-20%	1%	0%	-2%
1986	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	15%	0%	0%
1987	Dry	0%	-12%	-7%	-3%	0%	0%	91%	-52%	27%	52%	-5%	5%
1988	Critical	-6%	0%	0%	0%	0%	-1%	0%	0%	0%	-30%	-15%	1%
1989	Dry	3%	0%	0%	0%	0%	-18%	0%	-1%	-6%	4%	-2%	32%
1990	Critical	0%	0%	-4%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1992	Critical	0%	2%	0%	0%	0%	0%	0%	0%	0%	0%	-6%	0%
1993	Above Norma	-7%	-1%	0%	0%	0%	3%	0%	0%	0%	6%	10%	0%
1994	Critical	3%	0%	0%	-10%	-12%	2%	0%	0%	12%	-5%	1%	38%
1995	Wet	-4%	-5%	0%	0%	-9%	0%	0%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	0%	0%	0%	0%	0%	0%	5%	2%	-8%	0%
1997	Wet	3%	-8%	0%	0%	0%	0%	0%	0%	12%	8%	0%	2%
1998	Wet	19%	0%	0%	-8%	0%	0%	4%	1%	-2%	0%	26%	5%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%
2000	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	2%	0%	10%
2001	Dry	0%	0%	-5%	0%	0%	0%	0%	1%	2%	3%	-28%	128%
2002	Dry	0%	0%	0%	0%	0%	0%	0%	0%	15%	2%	-20%	94%
2003	Above Norma	0%	0%	0%	0%	18%	-50%	0%	-14%	11%	0%	0%	-4%
Average		3%	0%	1%	-2%	2%	-1%	0%	-1%	1%	2%	1%	8%
Wet		1%	0%	1%	-3%	-1%	0%	0%	0%	2%	-2%	0%	-2%
Above Norma		3%	0%	1%	-1%	3%	-4%	-6%	-1%	-3%	2%	3%	9%
Below Norma		2%	2%	-2%	-3%	7%	0%	-4%	-1%	-1%	0%	-2%	5%
Dry		4%	-3%	-1%	-1%	0%	-3%	8%	-3%	5%	7%	4%	30%
Critical		4%	-1%	5%	-1%	4%	2%	0%	-1%	-3%	3%	3%	0%

Difference in Energy generated (GWh) at Warne: CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	2	1	0	-1	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	0	0	0	5	3	1
1924	Critical	1	1	1	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	-13	0	0	3	1	1	1	5	5	0
1926	Dry	6	7	4	1	0	10	-2	2	-1	-1	-1	-1	2
1927	Wet	-1	-1	-1	0	2	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	9	0	2	8	2	-2	-2	-2	-2	1
1929	Critical	-2	-2	-2	0	0	0	0	1	1	1	0	0	0
1930	Dry	0	0	0	0	-4	0	3	1	-1	-3	-3	-1	-1
1931	Critical	3	3	9	5	5	2	-2	-2	-2	-3	-2	-1	1
1932	Dry	-1	0	0	0	0	0	-1	-1	-1	-1	-2	-2	-1
1933	Critical	-3	-3	0	-2	23	-1	-1	-1	-1	-1	-3	-3	0
1934	Critical	-4	-4	-3	0	5	0	0	0	0	0	0	0	-1
1935	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	0	2	0	0	0	-1	-1	-1	-1	-1	-1	0
1938	Wet	-1	-1	-1	1	0	0	0	-1	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1940	Above Norma	0	0	0	-1	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	6	2	0	0	0	1	0	0	-2	1
1942	Wet	-1	-1	-1	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	13	1	-2	-2	-2	-2	-2	-2	0
1945	Below Norma	-2	-2	-2	0	5	-8	0	0	0	0	0	0	-1
1946	Below Norma	0	0	0	0	0	0	0	0	1	0	0	0	0
1947	Dry	0	0	0	0	0	10	2	2	2	2	2	2	2
1948	Below Norma	2	2	2	0	0	0	-2	-1	-1	-1	-1	-1	0
1949	Dry	-1	-1	-1	-1	0	0	-2	-2	-3	-3	-4	-4	-2
1950	Below Norma	-3	-4	-2	0	0	-5	1	1	1	1	1	1	-1
1951	Above Norma	1	1	1	1	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	1	0	0	0	0	0	-1	-1	0	0
1955	Dry	0	0	0	0	0	1	1	2	2	2	4	4	1
1956	Wet	5	5	3	0	0	0	0	0	0	0	0	0	1
1957	Above Norma	0	0	0	1	0	0	2	2	1	1	1	1	1
1958	Wet	1	1	1	0	2	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	-1	0	1	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	1	4	1	0	-4	-4	-1	0
1961	Dry	4	4	12	6	-15	4	1	0	0	-1	-1	0	1
1962	Below Norma	1	1	3	1	2	-9	-11	-2	-2	-2	-2	-3	-2
1963	Wet	-3	-3	-3	-2	0	0	0	0	-1	-2	-1	0	-1
1964	Dry	0	0	0	14	0	9	8	-1	-2	-2	-1	0	2
1965	Wet	2	2	5	4	0	1	1	1	1	1	1	1	2
1966	Below Norma	1	1	1	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	6	1	0	-1	-1	-1	-1	-1	-1	0
1968	Below Norma	-1	-1	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	5	1	0	-1	-1	-1	-1	-1	-1	0
1970	Wet	-1	-1	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	7	-3	0
1972	Below Norma	-1	-1	0	9	1	5	4	-1	-2	-4	-3	-2	0
1973	Above Norma	0	0	4	-5	-4	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	4	2	2	2	2	2	1
1977	Critical	2	2	2	0	1	0	-2	-2	-3	-3	-2	-2	-1
1978	Above Norma	0	0	0	8	-5	0	0	2	2	2	2	1	1
1979	Below Norma	5	5	8	-5	-3	-2	0	0	0	0	0	0	1
1980	Above Norma	0	0	0	1	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	-3	-1	-1	-2	-2	-1
1986	Wet	-2	-2	-2	0	6	0	1	1	1	1	1	1	1
1987	Dry	1	1	1	2	0	-1	-1	-1	-1	-1	-1	-1	0
1988	Critical	-1	-1	-1	-1	-3	0	-1	-2	-2	-2	-1	-1	-1
1989	Dry	-1	0	0	0	0	1	0	0	1	1	1	1	0
1990	Critical	1	1	2	1	1	0	0	0	0	0	0	0	1
1991	Critical	0	0	0	0	0	-1	0	1	1	1	0	0	0
1992	Critical	0	0	0	0	0	-4	0	0	0	0	-1	-1	-1
1993	Above Norma	-1	-2	-1	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	1	1	2	3	1	-1	-3	-3	-1	0
1995	Wet	2	2	7	5	0	0	1	8	2	7	5	3	4
1996	Wet	1	0	-19	4	3	0	-1	1	0	0	0	0	-1
1997	Wet	0	0	0	0	0	0	1	1	1	1	1	1	1
1998	Wet	1	1	1	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	8	0	0	3	5	4	3	0	-1	2
2001	Dry	-1	-1	-1	0	-1	0	0	1	1	1	1	1	0
2002	Dry	0	0	0	0	3	0	2	1	1	1	1	1	1
2003	Above Norma	1	1	2	5	0	6	-2	-1	-1	-1	-1	0	1
Average		0	0	0	1	1	0	0	0	0	0	0	0	0
Wet		0	0	0	1	1	0	0	0	0	0	1	0	0
Above Norma		0	0	0	3	-1	1	1	1	0	0	0	0	0
Below Norma		0	0	1	0	0	-1	-1	0	0	0	0	0	0
Dry		0	1	1	0	0	2	1	0	0	-1	0	0	0
Critical		0	0	1	0	3	0	0	0	0	-1	-1	-1	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy generated (GWh) at Warne: CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norm	0%	0%	0%	105%	3%	0%	-1%	-1%	-1%	-1%	-1%	-1%
1923	Below Norm	-1%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%	9%	8%
1924	Critical	4%	4%	4%	1%	2%	1%	-1%	-1%	-1%	-1%	-1%	-1%
1925	Dry	0%	0%	0%	-27%	0%	0%	11%	5%	4%	3%	19%	21%
1926	Dry	58%	101%	2241%	11%	0%	63%	-5%	4%	-3%	-3%	-3%	-3%
1927	Wet	-3%	-3%	-4%	0%	4%	0%	0%	0%	0%	0%	0%	0%
1928	Above Norm	0%	0%	0%	29%	0%	3%	18%	5%	-4%	-4%	-4%	-4%
1929	Critical	-5%	-5%	-6%	1%	1%	1%	2%	2%	2%	2%	2%	2%
1930	Dry	6%	1%	0%	0%	-22%	1%	11%	1%	-2%	-7%	-6%	-3%
1931	Critical	9%	12%	76%	68%	89%	22%	-6%	-7%	-8%	-8%	-8%	-8%
1932	Dry	-22%	-5%	0%	0%	0%	1%	-3%	-3%	-3%	-2%	-9%	-10%
1933	Critical	-28%	-51%	0%	-35%	88%	-2%	-3%	-3%	-3%	-2%	-9%	-10%
1934	Critical	-20%	-27%	-46%	-3%	19%	-3%	0%	0%	0%	0%	0%	0%
1935	Below Norm	0%	0%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%	0%
1936	Below Norm	0%	0%	0%	-8%	0%	0%	1%	0%	0%	0%	1%	1%
1937	Below Norm	1%	1%	4%	4%	0%	0%	-3%	-3%	-3%	-3%	-3%	-3%
1938	Wet	-3%	-3%	-4%	1%	0%	0%	0%	-3%	0%	0%	0%	0%
1939	Dry	0%	0%	1%	0%	-1%	1%	0%	0%	0%	0%	0%	0%
1940	Above Norm	0%	0%	0%	-5%	-1%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	19%	4%	0%	0%	0%	3%	0%	0%	-4%
1942	Wet	-3%	-2%	-2%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%
1944	Dry	1%	1%	1%	1%	46%	2%	-4%	-4%	-4%	-4%	-4%	-4%
1945	Below Norm	-5%	-5%	-5%	-1%	17%	-19%	0%	1%	1%	1%	1%	1%
1946	Below Norm	1%	1%	1%	1%	0%	0%	0%	0%	1%	0%	0%	0%
1947	Dry	0%	0%	0%	0%	-3%	37%	7%	6%	6%	6%	6%	6%
1948	Below Norm	7%	7%	8%	0%	5%	2%	-9%	-2%	-2%	-2%	-2%	-2%
1949	Dry	-2%	-2%	-2%	-5%	-2%	-1%	-6%	-7%	-8%	-7%	-10%	-11%
1950	Below Norm	-16%	-19%	-29%	-6%	-3%	-9%	2%	2%	2%	2%	2%	2%
1951	Above Norm	2%	2%	2%	2%	0%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%
1954	Above Norm	0%	0%	0%	2%	0%	0%	0%	0%	1%	-2%	-2%	0%
1955	Dry	0%	0%	0%	1%	0%	8%	4%	6%	6%	6%	14%	15%
1956	Wet	29%	40%	85%	0%	-1%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norm	0%	0%	0%	1%	0%	0%	3%	4%	2%	2%	2%	2%
1958	Wet	3%	3%	3%	0%	4%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norm	0%	0%	-2%	0%	1%	1%	1%	1%	1%	1%	1%	1%
1960	Dry	1%	1%	1%	0%	1%	6%	11%	3%	-1%	-9%	-8%	-4%
1961	Dry	12%	15%	67%	48%	-53%	9%	4%	1%	0%	-2%	-2%	0%
1962	Below Norm	4%	5%	20%	9%	21%	-22%	-20%	-4%	-4%	-5%	-5%	-5%
1963	Wet	-7%	-7%	-7%	-5%	0%	0%	0%	-2%	-2%	-3%	-2%	-1%
1964	Dry	-1%	-1%	-1%	53%	0%	20%	-23%	-4%	-5%	-4%	-4%	-1%
1965	Wet	6%	8%	27%	13%	1%	1%	3%	3%	3%	3%	3%	3%
1966	Below Norm	3%	3%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	0%	22%	3%	0%	-1%	-2%	-2%	-2%	-2%	-2%
1968	Below Norm	-2%	-1%	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%
1969	Wet	1%	1%	1%	21%	3%	0%	-1%	-1%	-1%	-1%	-1%	-1%
1970	Wet	-2%	-2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	14%	-6%
1972	Below Norm	-3%	-2%	-1%	32%	1%	10%	11%	-3%	-6%	-9%	-9%	-7%
1973	Above Norm	0%	1%	33%	-8%	-9%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	8%	5%	5%	5%	5%	5%
1977	Critical	7%	7%	7%	1%	4%	1%	-16%	-20%	-25%	-24%	-24%	-25%
1978	Above Norm	-2%	-9%	0%	19%	-11%	0%	1%	3%	4%	4%	4%	3%
1979	Below Norm	10%	12%	19%	-31%	-8%	-5%	0%	0%	0%	0%	0%	0%
1980	Above Norm	0%	0%	0%	3%	0%	0%	0%	1%	1%	1%	1%	1%
1981	Dry	1%	1%	1%	1%	0%	0%	1%	1%	1%	1%	1%	1%
1982	Wet	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	0%	-6%	-3%	-3%	-5%	-5%
1986	Wet	-6%	-6%	-6%	-2%	24%	0%	3%	4%	4%	4%	4%	4%
1987	Dry	4%	5%	5%	5%	0%	-3%	-2%	-2%	-2%	-2%	-2%	-2%
1988	Critical	-3%	-3%	-3%	-5%	-16%	-1%	-6%	-7%	-8%	-8%	-8%	-8%
1989	Dry	-28%	-5%	0%	0%	0%	4%	1%	1%	1%	1%	1%	2%
1990	Critical	2%	3%	5%	21%	29%	6%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	0%	0%	0%	-18%	2%	3%	3%	3%	3%	3%
1992	Critical	13%	1%	0%	0%	0%	-26%	-1%	-1%	-1%	-1%	-4%	-5%
1993	Above Norm	-11%	-17%	-64%	3%	1%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	1%	2%	4%	8%	2%	-2%	-9%	-8%	-4%
1995	Wet	8%	11%	55%	43%	0%	0%	3%	17%	4%	14%	11%	6%
1996	Wet	3%	1%	-34%	10%	7%	0%	-2%	3%	0%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	3%	4%	4%	4%	4%	4%
1998	Wet	5%	5%	6%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norm	0%	0%	0%	33%	0%	0%	5%	10%	8%	6%	0%	-2%
2001	Dry	-2%	-2%	-2%	0%	-4%	0%	2%	2%	2%	2%	2%	2%
2002	Dry	2%	2%	3%	1%	10%	0%	4%	3%	3%	2%	2%	3%
2003	Above Norm	5%	6%	9%	18%	1%	16%	-5%	-2%	-2%	-2%	-1%	0%
Average		0%	1%	30%	6%	3%	1%	1%	0%	0%	-1%	0%	-1%
Wet		1%	2%	5%	5%	2%	0%	0%	1%	0%	1%	1%	0%
Above Norm		0%	-1%	-2%	17%	-1%	2%	2%	2%	1%	0%	0%	0%
Below Norm		0%	0%	1%	0%	2%	-3%	-1%	0%	-1%	-1%	0%	0%
Dry		2%	6%	129%	5%	-1%	8%	3%	0%	0%	-1%	0%	0%
Critical		-2%	-5%	3%	4%	18%	-1%	-1%	-2%	-3%	-4%	-4%	-4%

Energy Use (GWh) At Pumping Plant at Badger Hill: CONV_NA

Year Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922 Above Normal	1.87	1.36	1.32	0.45	1.01	2.49	2.83	3.53	4.35	4.50	3.90	2.91	31
1923 Below Normal	1.98	1.70	1.39	1.41	1.37	2.18	2.56	3.24	4.01	4.15	3.58	2.66	30
1924 Critical	1.80	1.53	1.25	0.14	0.13	0.22	0.41	0.48	1.03	1.08	0.99	0.42	9
1925 Dry	0.23	0.21	0.30	0.35	0.36	0.48	1.23	1.63	2.43	2.57	2.32	1.42	14
1926 Dry	0.70	0.56	0.66	0.23	0.64	1.32	1.77	3.05	3.76	3.88	3.36	2.51	22
1927 Wet	1.71	1.47	1.20	0.39	1.23	2.49	2.83	3.53	4.36	4.51	3.90	2.92	31
1928 Above Normal	1.99	1.70	1.39	0.73	1.10	1.54	2.25	2.81	3.48	3.60	3.11	2.32	26
1929 Critical	1.57	1.34	1.10	0.22	0.22	0.38	0.86	1.02	2.15	2.26	2.07	0.89	14
1930 Dry	0.48	0.44	0.64	0.18	0.63	0.81	1.52	2.85	3.43	3.63	3.23	2.46	20
1931 Critical	1.16	0.86	0.83	0.17	0.24	0.36	0.84	0.99	2.09	2.19	2.01	0.87	13
1932 Dry	0.47	0.43	0.63	0.21	0.60	0.70	1.00	1.57	2.38	2.51	2.27	1.37	14
1933 Critical	0.66	0.53	0.62	0.20	0.56	0.70	1.11	2.08	2.52	2.67	2.38	1.80	16
1934 Critical	0.84	0.61	0.60	0.23	0.48	0.50	1.16	2.18	2.62	2.78	2.47	1.89	16
1935 Below Normal	0.87	0.64	0.62	0.13	0.34	0.76	2.16	3.96	4.87	5.03	4.36	3.28	27
1936 Below Normal	2.25	1.94	1.60	0.09	0.24	2.38	2.80	3.49	4.29	4.43	3.85	2.89	30
1937 Below Normal	1.98	1.70	1.40	0.14	0.25	1.35	2.70	3.36	4.13	4.27	3.70	2.78	28
1938 Wet	1.91	1.64	1.35	1.20	1.37	2.39	2.92	3.40	4.21	4.35	3.77	2.80	31
1939 Dry	1.90	1.62	1.32	1.53	1.25	1.88	2.31	2.89	3.58	3.71	3.20	2.38	28
1940 Above Normal	1.60	1.37	1.11	0.09	0.23	2.42	2.96	3.68	4.52	4.68	4.06	3.05	30
1941 Wet	2.09	1.80	1.48	0.78	1.40	2.23	2.76	3.45	4.26	4.41	3.81	2.84	31
1942 Wet	1.93	1.65	1.34	1.27	1.57	2.39	2.71	3.39	4.20	4.35	3.76	2.79	31
1943 Wet	1.89	1.61	1.31	1.50	1.57	2.14	2.50	2.88	3.57	3.69	3.19	2.37	28
1944 Dry	1.59	1.36	1.10	0.40	0.63	1.94	2.60	3.24	4.00	4.13	3.58	2.68	27
1945 Below Normal	1.83	1.57	1.28	0.34	0.37	1.84	2.60	3.24	3.99	4.13	3.58	2.68	27
1946 Below Normal	1.83	1.57	1.29	1.35	1.37	1.96	2.51	3.14	3.89	4.02	3.48	2.58	29
1947 Dry	1.74	1.49	1.21	0.29	0.27	0.51	2.21	2.75	3.39	3.50	3.03	2.27	23
1948 Below Normal	1.55	1.33	1.10	0.10	0.14	0.20	0.99	3.28	4.03	4.17	3.62	2.72	23
1949 Dry	1.87	1.61	1.33	0.21	0.20	0.29	1.24	2.31	2.78	2.95	2.63	2.00	19
1950 Below Normal	0.94	0.70	0.67	0.12	0.27	0.87	2.55	3.16	3.89	4.02	3.49	2.62	23
1951 Above Normal	1.80	1.54	1.27	1.25	1.58	2.39	2.71	3.40	4.20	4.35	3.76	2.80	31
1952 Wet	1.89	1.61	1.31	1.41	1.37	2.38	2.90	3.58	4.18	4.33	3.74	2.78	31
1953 Wet	1.88	1.80	1.50	1.61	1.37	2.11	2.68	3.35	4.15	4.29	3.71	2.76	31
1954 Above Normal	1.87	1.59	1.30	1.07	1.19	1.98	2.78	3.47	4.29	4.43	3.84	2.86	31
1955 Dry	1.94	1.66	1.35	0.26	0.38	0.49	1.01	1.90	2.48	2.62	2.35	1.65	18
1956 Wet	0.78	0.59	0.61	1.26	1.58	2.39	2.71	3.39	4.20	4.35	3.76	2.79	28
1957 Above Normal	1.89	1.61	1.31	1.07	1.13	1.63	2.16	2.70	3.34	3.45	2.99	2.22	26
1958 Wet	1.50	1.28	1.04	1.23	1.48	2.31	2.96	3.44	4.26	4.41	3.81	2.84	31
1959 Below Normal	1.93	1.65	1.34	1.49	1.41	1.99	2.30	2.88	3.57	3.70	3.20	2.37	28
1960 Dry	1.60	1.37	1.11	0.10	0.12	0.47	1.81	2.85	3.45	3.62	3.20	2.43	22
1961 Dry	1.33	1.06	0.95	0.24	0.51	0.74	1.72	2.82	3.41	3.59	3.18	2.41	22
1962 Below Normal	1.27	0.99	0.90	0.14	0.15	1.70	2.80	3.48	4.28	4.42	3.84	2.89	27
1963 Wet	1.98	1.70	1.40	1.07	1.28	1.75	2.52	3.52	4.36	4.51	3.90	2.91	31
1964 Dry	1.97	1.69	1.38	0.47	1.18	1.14	1.79	2.51	3.08	3.21	2.80	2.10	23
1965 Wet	1.27	1.04	0.88	1.21	1.55	1.78	2.26	2.58	3.20	3.31	2.86	2.12	24
1966 Below Normal	1.43	1.21	0.98	1.38	1.57	2.38	2.62	3.28	4.06	4.20	3.63	2.70	29
1967 Wet	1.82	1.56	1.27	0.59	1.61	2.44	2.78	3.67	4.29	4.43	3.84	2.86	31
1968 Below Normal	1.94	1.86	1.55	1.60	1.57	2.06	2.38	2.98	3.69	3.82	3.30	2.45	29
1969 Wet	1.65	1.41	1.14	0.59	1.61	2.44	2.98	3.58	4.28	4.43	3.83	2.86	31
1970 Wet	1.94	1.66	1.55	1.59	1.57	2.12	2.69	3.37	4.17	4.32	3.73	2.77	31
1971 Wet	1.88	1.60	1.30	1.32	1.37	1.82	2.75	3.43	4.25	4.40	3.80	2.83	31
1972 Below Normal	1.91	1.63	1.33	0.61	1.02	1.44	1.49	2.56	3.11	3.28	2.90	2.20	24
1973 Above Normal	1.10	0.84	0.77	1.26	1.48	2.40	2.58	3.22	3.99	4.13	3.57	2.66	28
1974 Wet	1.80	1.54	1.25	1.41	1.57	2.36	2.70	3.38	4.19	4.33	3.74	2.78	31
1975 Wet	1.88	1.60	1.31	1.28	1.44	2.23	2.74	3.43	4.24	4.39	3.80	2.83	31
1976 Critical	1.91	1.64	1.33	1.19	1.08	1.66	1.95	2.44	3.03	3.13	2.70	2.01	24
1977 Critical	1.35	1.15	0.94	0.10	0.10	0.15	0.29	0.35	0.75	0.78	0.72	0.31	7
1978 Above Normal	0.16	0.15	0.22	0.30	0.94	2.10	3.14	3.85	4.50	4.65	4.03	3.03	27
1979 Below Normal	2.07	1.78	1.46	0.46	1.02	1.84	2.52	3.15	3.89	4.02	3.48	2.60	28
1980 Above Normal	1.77	1.51	1.24	0.99	1.08	2.16	2.61	3.01	3.72	3.85	3.33	2.48	28
1981 Dry	1.68	1.44	1.17	1.20	1.25	2.10	2.40	3.00	3.71	3.84	3.32	2.47	28
1982 Wet	1.67	1.42	1.16	1.41	1.37	2.38	2.70	3.38	4.18	4.33	3.74	2.78	31
1983 Wet	1.88	1.60	1.50	1.61	1.57	2.38	2.90	3.58	4.38	4.53	3.74	2.78	32
1984 Wet	2.08	1.80	1.50	1.61	1.57	2.38	2.70	3.38	4.18	4.33	3.74	2.78	32
1985 Dry	1.88	1.60	1.30	1.07	1.01	1.66	2.50	3.12	3.86	3.99	3.46	2.58	28
1986 Wet	1.75	1.50	1.22	0.12	0.23	2.36	2.34	2.66	3.28	3.39	2.94	2.21	24
1987 Dry	1.51	1.30	1.06	0.96	1.01	1.52	2.09	2.62	3.24	3.35	2.90	2.16	24
1988 Critical	1.46	1.25	1.02	0.20	0.37	0.38	0.72	0.86	1.83	1.92	1.76	0.75	12
1989 Dry	0.40	0.36	0.53	0.23	0.29	0.62	2.77	3.44	4.23	4.37	3.79	2.85	24
1990 Critical	1.96	1.68	1.39	0.10	0.14	0.29	0.75	0.89	1.86	1.95	1.79	0.78	14
1991 Critical	0.43	0.39	0.57	0.08	0.08	0.13	0.68	0.81	1.68	1.76	1.61	0.71	9
1992 Critical	0.39	0.36	0.52	0.12	0.11	0.58	1.08	1.79	2.50	2.64	2.38	1.55	14
1993 Above Normal	0.76	0.60	0.66	0.19	1.25	2.49	2.83	3.53	4.35	4.50	3.90	2.92	28
1994 Critical	1.99	1.70	1.40	1.00	0.96	1.67	1.58	2.44	2.99	3.13	2.75	2.07	24
1995 Wet	1.14	0.90	0.79	0.15	1.45	2.25	2.84	3.54	4.37	4.52	3.92	2.93	29
1996 Wet	2.00	1.71	1.60	1.61	1.56	2.21	2.45	3.17	3.92	4.06	3.51	2.60	30
1997 Wet	1.76	1.50	1.22	1.41	1.57	1.88	1.95	2.45	3.04	3.15	2.71	2.01	25
1998 Wet	1.35	1.15	0.93	1.22	1.58	2.39	2.92	3.40	4.21	4.35	3.76	2.80	30
1999 Wet	1.89	1.82	1.52	1.61	1.41	2.39	2.53	3.16	3.91	4.05	3.50	2.60	30
2000 Above Normal	1.76	1.50	1.22	0.49	1.20	2.47	2.81	3.50	4.33	4.47	3.87	2.89	31
2001 Dry	1.97	1.68	1.37	0.22	0.27	0.78	1.31	2.47	2.97	3.15	2.80	2.14	21
2002 Dry	0.99	0.73	0.71	0.43	0.96	0.60	2.01	2.56	3.15	3.27	2.83	2.11	20
2003 Above Normal	1.40	1.19	0.98	0.87	1.16	1.28	2.42	3.65	4.51	4.66	4.04	3.02	29
Average	2	1	1	1	1	2	2	3	4	4	3	2	25
Wet	2	1	1	1	1	2	3	3	4	4	4	3	30
Above Normal	1	1	1	1	1	2	3	3	4	4	4	3	29
Below Normal	2	1	1	1	1	2	2	3	4	4	4	3	27
Dry	1	1	1	0	1	1	2	3	3	3	3	2	22
Critical	1	1	1	0	0	1	1	1	2	2	2	1	14

Difference in Energy Use (GWh) At Pumping Plant at Badger Hill: CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1927	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1928	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1932	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1935	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norm	0	0	0	0	0	1	0	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1940	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1945	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1946	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1947	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1948	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1949	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1951	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1957	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1961	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Norm	0	0	0	0	0	-1	0	0	0	0	0	0	0
1963	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1965	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1966	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1968	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norm		0	0	0	0	0	0	0	0	0	0	0	0	0
Below Norm		0	0	0	0	0	0	0	0	0	0	0	0	0
Dry		0	0	0	0	0	0	0	0	0	0	0	0	0
Critical		0	0	0	0	0	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at Badger Hill: CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	21%	4%	0%	0%	0%	0%	0%	0%	0%
1923	Below Norma	-1%	-1%	-1%	0%	0%	0%	-1%	3%	3%	3%	3%	3%
1924	Critical	3%	3%	3%	-4%	-5%	6%	-1%	-1%	-1%	-1%	-1%	-1%
1925	Dry	-1%	-1%	-1%	3%	12%	5%	5%	21%	3%	4%	3%	20%
1926	Dry	15%	9%	-5%	0%	-1%	29%	-1%	-2%	-2%	-2%	-2%	-2%
1927	Wet	-2%	-2%	-2%	2%	5%	0%	0%	0%	0%	0%	0%	0%
1928	Above Norma	0%	0%	0%	54%	10%	16%	-2%	-2%	-2%	-2%	-2%	-2%
1929	Critical	-3%	-3%	-3%	2%	1%	3%	2%	2%	2%	2%	2%	2%
1930	Dry	2%	2%	2%	9%	-30%	4%	22%	-4%	-3%	-4%	-5%	-6%
1931	Critical	15%	26%	14%	-13%	-10%	-9%	-9%	-9%	-9%	-9%	-9%	-9%
1932	Dry	-9%	-9%	-9%	-1%	-2%	-2%	-4%	-12%	-3%	-3%	-2%	-12%
1933	Critical	-9%	-6%	1%	7%	1%	-2%	-4%	-10%	-2%	-2%	-2%	-10%
1934	Critical	-8%	-5%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1935	Below Norma	0%	0%	0%	-2%	0%	0%	7%	0%	0%	0%	0%	0%
1936	Below Norma	0%	0%	0%	-20%	-1%	1%	0%	0%	0%	0%	0%	0%
1937	Below Norma	0%	0%	0%	8%	-1%	39%	-1%	-1%	-1%	-1%	-1%	-1%
1938	Wet	-1%	-1%	-1%	2%	0%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1940	Above Norma	0%	0%	0%	-32%	-2%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	30%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%
1942	Wet	-1%	-1%	-1%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	1%	0%	0%	1%	1%	1%	1%	1%	1%
1944	Dry	1%	1%	1%	1%	41%	-3%	-2%	-2%	-2%	-2%	-2%	-2%
1945	Below Norma	-3%	-3%	-3%	-1%	0%	2%	1%	1%	1%	1%	1%	1%
1946	Below Norma	1%	1%	1%	1%	0%	1%	0%	0%	0%	0%	0%	0%
1947	Dry	0%	0%	0%	0%	-3%	38%	6%	6%	6%	6%	6%	6%
1948	Below Norma	6%	6%	7%	-34%	-5%	-15%	-14%	-2%	-2%	-2%	-2%	-2%
1949	Dry	-1%	-1%	-1%	-15%	-13%	-15%	-8%	-10%	-7%	-8%	-7%	-10%
1950	Below Norma	-9%	-8%	-5%	-6%	3%	29%	2%	2%	2%	2%	2%	2%
1951	Above Norma	2%	2%	2%	1%	-13%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	11%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1954	Above Norma	0%	0%	0%	4%	1%	11%	0%	0%	0%	0%	0%	0%
1955	Dry	0%	0%	0%	2%	2%	3%	7%	14%	5%	5%	5%	14%
1956	Wet	12%	8%	1%	-1%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norma	0%	0%	0%	3%	1%	3%	2%	2%	2%	2%	2%	2%
1958	Wet	2%	2%	2%	2%	-1%	-1%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	0%	0%	1%	0%	1%	1%	1%	1%	1%	1%
1960	Dry	1%	1%	1%	-10%	9%	2%	24%	-3%	-1%	-3%	-4%	-5%
1961	Dry	19%	29%	18%	-11%	-55%	-7%	7%	-1%	0%	-1%	-1%	-1%
1962	Below Norma	6%	9%	6%	-35%	-31%	-46%	-6%	-6%	-7%	-7%	-7%	-7%
1963	Wet	-7%	-6%	-6%	1%	-2%	7%	4%	-1%	-1%	-1%	-1%	-1%
1964	Dry	-1%	-1%	-1%	102%	0%	36%	9%	-3%	-2%	-3%	-4%	-4%
1965	Wet	7%	10%	6%	0%	-1%	2%	2%	2%	2%	2%	2%	2%
1966	Below Norma	3%	3%	3%	-1%	0%	0%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	0%	36%	-13%	-1%	-1%	-6%	-1%	-1%	-1%	-1%
1968	Below Norma	-1%	-1%	-1%	0%	0%	1%	1%	1%	1%	1%	1%	1%
1969	Wet	1%	1%	1%	32%	-1%	-1%	-1%	2%	-1%	-1%	-1%	-1%
1970	Wet	-1%	-1%	-1%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1972	Below Norma	0%	0%	0%	54%	1%	8%	10%	-5%	-4%	-5%	-6%	-7%
1973	Above Norma	7%	13%	6%	0%	1%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	1%	2%	3%	5%	5%	5%	5%	5%	5%
1977	Critical	6%	6%	6%	-24%	-27%	-42%	-32%	-31%	-31%	-31%	-31%	-31%
1978	Above Norma	-31%	-31%	-31%	-7%	-27%	-8%	-1%	-3%	2%	2%	2%	2%
1979	Below Norma	2%	2%	2%	-11%	3%	1%	1%	1%	1%	1%	1%	1%
1980	Above Norma	1%	1%	1%	6%	2%	0%	1%	1%	1%	1%	1%	1%
1981	Dry	1%	1%	1%	1%	0%	0%	1%	1%	1%	1%	1%	1%
1982	Wet	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	1%	-1%	-3%	-3%	-3%	-3%	-3%	-3%
1986	Wet	-3%	-3%	-4%	7%	5%	1%	3%	4%	4%	4%	4%	4%
1987	Dry	4%	4%	4%	6%	-3%	-5%	-3%	-3%	-2%	-2%	-3%	-3%
1988	Critical	-3%	-3%	-3%	-17%	-16%	-6%	-9%	-9%	-9%	-9%	-9%	-9%
1989	Dry	-9%	-9%	-9%	-2%	-7%	-4%	1%	1%	1%	1%	1%	1%
1990	Critical	1%	1%	1%	-17%	10%	4%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	0%	-30%	-30%	-30%	4%	4%	4%	4%	4%	4%
1992	Critical	5%	5%	5%	-10%	-8%	-35%	-2%	-5%	-1%	-1%	-1%	-5%
1993	Above Norma	-3%	-2%	1%	9%	2%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	5%	5%	3%	18%	-4%	-3%	-4%	-6%	-7%
1995	Wet	14%	22%	14%	-8%	0%	-11%	0%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	-12%	-3%	0%	0%	1%	0%	0%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	0%	2%	4%	4%	4%	4%	4%	4%
1998	Wet	4%	4%	4%	-2%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norma	0%	0%	0%	59%	-3%	-8%	-1%	-1%	-1%	-1%	-1%	-1%
2001	Dry	-1%	-1%	-1%	0%	-4%	0%	2%	2%	2%	2%	2%	2%
2002	Dry	2%	2%	2%	0%	8%	0%	6%	4%	4%	4%	4%	3%
2003	Above Norma	6%	6%	6%	16%	-2%	18%	-5%	-1%	-1%	-1%	-1%	-1%
Average		1%	1%	0%	2%	-2%	0%	1%	-1%	-1%	-1%	-1%	-1%
Wet		1%	1%	0%	4%	0%	0%	1%	0%	0%	0%	0%	0%
Above Norma		-2%	-1%	-1%	11%	-2%	3%	-1%	0%	0%	0%	0%	0%
Below Norma		0%	1%	1%	-3%	-2%	2%	0%	0%	0%	0%	0%	-1%
Dry		1%	1%	0%	5%	-2%	5%	4%	0%	0%	0%	-1%	0%
Critical		1%	2%	2%	-8%	-6%	-9%	-2%	-5%	-4%	-4%	-4%	-5%

Difference in Energy Use (GWh) At Pumping Plant at Buena Vista: CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	-3	1	0	-1	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	0	0	0	2	5	1
1924	Critical	2	1	1	1	1	1	0	0	0	0	0	0	1
1925	Dry	0	0	0	-6	0	1	0	-1	-1	0	3	3	0
1926	Dry	4	5	3	1	-7	12	-1	0	-1	-2	-2	-2	1
1927	Wet	-2	-1	-1	0	0	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	8	0	1	8	2	-2	-2	-2	-2	1
1929	Critical	-2	-2	-2	0	0	0	1	1	1	1	1	1	0
1930	Dry	0	0	0	0	-2	0	5	1	-1	0	-2	-2	0
1931	Critical	3	3	7	8	7	2	-2	-3	-3	-3	-2	-2	1
1932	Dry	-1	-1	-1	0	0	0	0	0	0	0	-2	-2	-1
1933	Critical	-2	-3	-1	-1	9	-1	0	1	1	0	-1	-2	0
1934	Critical	-2	-3	-2	0	2	0	0	0	0	0	0	0	-1
1935	Below Norma	0	0	0	0	0	0	2	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	-1	1	0	0	8	-1	-1	-1	-1	-1	-1	0
1938	Wet	-2	-2	-2	0	0	0	0	-1	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1940	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	5	0	0	0	0	0	0	0	-1	0
1942	Wet	-2	-1	-1	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	13	0	-2	-2	-2	-2	-2	-2	0
1945	Below Norma	-2	-2	-2	0	2	-6	0	0	0	0	0	0	-1
1946	Below Norma	0	0	0	0	0	0	0	0	1	0	0	0	0
1947	Dry	0	0	0	0	0	5	3	3	3	3	3	3	2
1948	Below Norma	3	3	3	1	1	0	-2	-1	-1	-1	-1	-1	0
1949	Dry	-1	-1	-1	-3	-2	-1	-2	-2	-2	-3	-4	-3	-2
1950	Below Norma	-3	-3	-2	-1	0	2	1	1	1	1	1	1	0
1951	Above Norma	1	1	1	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	-1	-2	0	0
1955	Dry	0	0	0	0	0	1	-1	1	1	1	3	3	1
1956	Wet	3	4	3	0	0	0	0	0	0	0	0	0	1
1957	Above Norma	0	0	0	0	0	0	2	2	1	1	1	1	1
1958	Wet	1	1	1	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	1	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	1	8	2	-1	0	-3	-2	1
1961	Dry	5	5	10	9	-1	-2	2	1	0	0	0	0	2
1962	Below Norma	1	1	3	2	2	-22	-6	-2	-2	-2	-2	-2	-2
1963	Wet	-3	-3	-2	-1	0	0	0	0	0	-2	-1	-1	-1
1964	Dry	-1	0	0	18	0	6	9	-4	-14	0	-1	-1	1
1965	Wet	2	2	4	2	0	1	1	1	1	1	1	1	1
1966	Below Norma	1	1	1	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	10	0	0	-1	-1	-1	-1	-1	-1	0
1968	Below Norma	-1	-1	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	9	0	0	-1	0	-1	-1	-1	-1	0
1970	Wet	-1	-1	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	4	-1	0
1972	Below Norma	-1	-1	0	12	0	2	5	-1	-2	-2	-3	-3	0
1973	Above Norma	0	0	3	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	4	2	2	2	2	2	1
1977	Critical	2	2	2	1	1	0	-3	-4	-4	-4	-3	-3	-1
1978	Above Norma	-1	-1	-1	23	-7	0	0	1	0	1	1	1	1
1979	Below Norma	2	2	4	-5	-3	-2	0	0	0	0	0	0	0
1980	Above Norma	0	0	0	1	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	-1	-3	-2	2	-2	-3	-1
1986	Wet	-3	-2	-2	-1	2	0	1	2	2	2	2	2	0
1987	Dry	2	1	1	2	0	-2	-1	-1	-1	-1	-1	-1	0
1988	Critical	-1	-1	-1	-1	-1	0	-2	-3	-3	-3	-2	-2	-2
1989	Dry	-1	-1	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	1	1	2	2	1	0	0	0	0	0	0	1
1991	Critical	0	0	0	0	0	0	1	1	1	1	1	1	0
1992	Critical	0	0	0	0	0	-2	0	0	0	0	-1	-1	0
1993	Above Norma	-1	-1	-1	0	1	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	1	1	2	5	1	-1	-1	-2	-2	0
1995	Wet	3	3	7	7	0	-1	2	4	1	4	3	2	3
1996	Wet	2	0	-9	0	0	0	0	1	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	1	2	2	2	2	1	1
1998	Wet	1	1	1	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	13	0	0	2	3	1	2	0	-1	2
2001	Dry	-1	-1	-1	0	0	0	0	1	1	1	1	1	0
2002	Dry	1	1	0	0	4	0	2	2	1	1	1	1	1
2003	Above Norma	2	2	2	8	0	7	-3	-1	-2	1	0	0	1
Average		0	0	0	2	0	0	0	0	0	0	0	0	0
Wet		0	0	0	1	0	0	0	0	0	0	0	0	0
Above Norma		0	0	0	5	0	1	1	1	0	0	0	0	1
Below Norma		0	0	0	1	0	-1	0	0	0	0	0	0	0
Dry		0	1	1	1	0	1	1	0	-1	0	0	0	0
Critical		0	0	0	1	2	0	0	0	-1	0	-1	-1	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at Buena Vista: CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	170%	3%	0%	-1%	-1%	-1%	-1%	-1%	-1%
1923	Below Norma	-1%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%	4%	10%
1924	Critical	3%	3%	3%	5%	5%	4%	-1%	-1%	-1%	-1%	-1%	-1%
1925	Dry	-1%	-1%	-1%	-24%	1%	29%	0%	-3%	-3%	0%	8%	8%
1926	Dry	20%	33%	31%	13%	-17%	49%	-2%	-1%	-3%	-3%	-3%	-3%
1927	Wet	-3%	-3%	-3%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1928	Above Norma	0%	0%	0%	19%	0%	2%	17%	3%	-4%	-4%	-4%	-5%
1929	Critical	-5%	-5%	-5%	1%	1%	1%	2%	2%	2%	2%	2%	2%
1930	Dry	3%	2%	2%	3%	-13%	0%	17%	2%	-2%	-1%	-4%	-4%
1931	Critical	9%	10%	33%	84%	81%	36%	-8%	-8%	-9%	-8%	-8%	-8%
1932	Dry	-10%	-9%	-8%	-7%	-1%	-2%	1%	1%	1%	-1%	-5%	-5%
1933	Critical	-11%	-18%	-10%	-18%	57%	-2%	2%	2%	0%	0%	-4%	-4%
1934	Critical	-9%	-14%	-13%	-5%	11%	-2%	0%	0%	0%	0%	0%	0%
1935	Below Norma	0%	0%	0%	-1%	0%	0%	4%	0%	0%	0%	0%	0%
1936	Below Norma	0%	1%	-1%	-6%	0%	0%	1%	0%	0%	0%	0%	0%
1937	Below Norma	1%	-2%	2%	3%	0%	18%	-3%	-3%	-2%	-2%	-2%	-2%
1938	Wet	-3%	-3%	-3%	1%	0%	0%	0%	-1%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1940	Above Norma	0%	0%	0%	-3%	-1%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	11%	0%	0%	0%	0%	0%	0%	0%	-1%
1942	Wet	-4%	-2%	-2%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%
1944	Dry	1%	1%	1%	1%	37%	0%	-4%	-4%	-4%	-4%	-4%	-4%
1945	Below Norma	-5%	-5%	-5%	-1%	8%	-11%	0%	1%	1%	1%	1%	1%
1946	Below Norma	1%	1%	1%	0%	0%	0%	0%	1%	0%	0%	0%	0%
1947	Dry	0%	0%	0%	0%	0%	20%	6%	6%	6%	6%	6%	6%
1948	Below Norma	6%	7%	7%	4%	5%	2%	-7%	-2%	-2%	-2%	-2%	-2%
1949	Dry	-2%	-2%	-2%	-11%	-11%	-9%	-5%	-6%	-6%	-7%	-8%	-8%
1950	Below Norma	-11%	-13%	-13%	-8%	-5%	7%	2%	2%	2%	2%	2%	2%
1951	Above Norma	2%	2%	2%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Norma	0%	0%	0%	1%	0%	0%	0%	0%	0%	-1%	-3%	0%
1955	Dry	0%	0%	0%	0%	0%	5%	-2%	2%	2%	3%	7%	8%
1956	Wet	14%	19%	19%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norma	0%	0%	0%	1%	0%	0%	3%	4%	2%	2%	2%	2%
1958	Wet	2%	2%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	-1%	0%	0%	2%	1%	1%	1%	1%	1%	1%
1960	Dry	1%	1%	1%	1%	1%	4%	20%	4%	-1%	0%	-5%	-4%
1961	Dry	12%	14%	35%	60%	-5%	-7%	6%	1%	0%	0%	-1%	-1%
1962	Below Norma	4%	4%	11%	17%	19%	-48%	-11%	-4%	-3%	-4%	-4%	-4%
1963	Wet	-6%	-6%	-5%	-2%	0%	0%	0%	0%	0%	-3%	-2%	-1%
1964	Dry	-1%	-1%	-1%	57%	0%	12%	-24%	-9%	-34%	1%	-2%	-2%
1965	Wet	6%	7%	16%	4%	0%	2%	2%	3%	3%	3%	3%	3%
1966	Below Norma	3%	3%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	0%	28%	0%	0%	-2%	-2%	-2%	-2%	-2%	-2%
1968	Below Norma	-2%	-2%	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%
1969	Wet	1%	1%	1%	26%	0%	0%	-1%	0%	-1%	-1%	-1%	-1%
1970	Wet	-2%	-2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	7%	-2%
1972	Below Norma	-3%	-2%	-1%	32%	0%	4%	14%	-4%	-6%	-5%	-8%	-7%
1973	Above Norma	0%	1%	13%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	8%	5%	5%	5%	5%	5%
1977	Critical	6%	6%	6%	3%	4%	1%	-22%	-25%	-27%	-26%	-26%	-26%
1978	Above Norma	-27%	-29%	-27%	123%	-15%	0%	0%	1%	0%	2%	2%	1%
1979	Below Norma	4%	5%	7%	-32%	-6%	-5%	0%	0%	0%	0%	0%	0%
1980	Above Norma	0%	0%	0%	1%	0%	0%	0%	1%	1%	1%	1%	0%
1981	Dry	1%	1%	1%	0%	0%	0%	1%	1%	1%	1%	1%	1%
1982	Wet	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	-1%	-6%	-3%	3%	-4%	-5%
1986	Wet	-5%	-5%	-6%	-2%	8%	0%	3%	4%	4%	4%	4%	4%
1987	Dry	4%	4%	4%	4%	0%	-4%	-2%	-2%	-2%	-2%	-2%	-2%
1988	Critical	-3%	-3%	-3%	-3%	-5%	-2%	-8%	-8%	-9%	-9%	-8%	-9%
1989	Dry	-10%	-9%	-8%	-7%	-10%	2%	0%	0%	1%	1%	1%	1%
1990	Critical	1%	1%	2%	50%	50%	15%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	0%	-2%	-5%	-14%	3%	3%	3%	3%	3%	3%
1992	Critical	4%	3%	3%	1%	0%	-20%	1%	1%	1%	0%	-2%	-2%
1993	Above Norma	-5%	-7%	-7%	0%	1%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	2%	1%	4%	14%	1%	-3%	-2%	-6%	-5%
1995	Wet	9%	11%	31%	47%	0%	-2%	3%	8%	2%	6%	5%	3%
1996	Wet	3%	1%	-16%	0%	0%	0%	0%	1%	0%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	4%	4%	4%	4%	4%	4%
1998	Wet	4%	5%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norma	0%	0%	0%	44%	0%	0%	4%	5%	1%	3%	0%	-2%
2001	Dry	-2%	-2%	-2%	0%	0%	0%	2%	2%	2%	2%	2%	2%
2002	Dry	2%	2%	2%	1%	10%	0%	5%	4%	3%	3%	3%	3%
2003	Above Norma	5%	5%	6%	20%	0%	17%	-6%	-1%	-4%	2%	1%	0%
Average		0%	0%	1%	9%	3%	1%	1%	0%	-1%	0%	-1%	-1%
Wet		1%	1%	2%	4%	0%	0%	0%	1%	0%	0%	1%	0%
Above Norma		-2%	-2%	-1%	31%	-1%	2%	1%	1%	0%	0%	0%	0%
Below Norma		0%	0%	1%	1%	1%	-2%	0%	0%	-1%	-1%	0%	0%
Dry		1%	2%	3%	5%	0%	6%	4%	0%	-2%	0%	-1%	-1%
Critical		0%	-1%	1%	10%	17%	2%	-1%	-2%	-3%	-3%	-4%	-4%

Difference in Energy Use (GWh) At Pumping Plant at Chrisman: CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	8	3	0	-1	-1	-1	-1	-1	-1	0
1923	Below Norma	-1	-1	-1	0	0	0	0	0	0	0	5	14	1
1924	Critical	4	4	4	3	3	1	0	0	0	0	0	0	1
1925	Dry	0	0	0	-15	1	2	0	-2	-3	0	7	7	0
1926	Dry	10	13	9	2	-19	32	-1	-1	-4	-4	-4	-4	2
1927	Wet	-4	-4	-4	0	0	0	0	-1	0	-1	-1	0	-1
1928	Above Norma	-1	-1	-1	21	0	2	22	4	-5	-5	-6	-5	2
1929	Critical	-5	-5	-5	1	1	0	2	2	2	2	2	2	0
1930	Dry	1	0	0	0	-5	0	16	4	-1	1	-5	-4	1
1931	Critical	9	9	20	20	18	6	-5	-7	-8	-7	-6	-5	4
1932	Dry	-3	-2	-1	0	-1	-1	1	1	1	-1	-5	-5	-1
1933	Critical	-6	-7	-3	-3	25	-2	1	2	2	0	-4	-4	0
1934	Critical	-6	-8	-6	-1	5	0	0	0	0	0	0	0	-2
1935	Below Norma	0	0	0	0	0	0	5	0	0	0	0	0	0
1936	Below Norma	0	1	-1	0	0	1	1	0	0	0	0	0	0
1937	Below Norma	1	-3	2	0	0	22	-4	-4	-4	-4	-4	-3	0
1938	Wet	-4	-4	-4	1	0	0	0	-2	0	0	0	0	-1
1939	Dry	0	0	0	0	0	1	0	0	0	0	0	0	0
1940	Above Norma	0	0	0	-1	-1	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	13	0	0	0	0	0	0	0	-2	1
1942	Wet	-6	-2	-2	0	0	0	0	0	0	0	0	0	-1
1943	Wet	0	0	0	0	0	0	1	1	1	1	1	1	1
1944	Dry	1	1	1	1	35	1	-6	-6	-6	-6	-6	-6	0
1945	Below Norma	-6	-6	-6	-1	7	-15	0	1	1	1	1	1	-2
1946	Below Norma	1	1	1	0	0	0	0	0	2	0	0	0	0
1947	Dry	0	0	0	0	0	12	7	7	7	7	7	7	5
1948	Below Norma	7	7	7	1	2	0	-5	-3	-3	-3	-3	-3	1
1949	Dry	-3	-2	-2	-8	-6	-3	-4	-6	-6	-7	-9	-9	-5
1950	Below Norma	-8	-8	-6	-2	-1	6	2	2	2	2	2	2	0
1951	Above Norma	2	2	2	1	0	0	0	0	0	0	0	0	1
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	1	0	1	0	0	-1	-5	0	0	0
1955	Dry	0	0	0	0	0	2	-2	2	2	3	7	7	2
1956	Wet	8	10	7	0	0	0	0	0	0	0	0	0	2
1957	Above Norma	0	0	0	1	0	0	5	5	2	2	2	2	2
1958	Wet	2	2	2	0	0	0	0	0	0	0	0	0	1
1959	Below Norma	0	0	-1	0	0	2	1	1	1	1	1	1	1
1960	Dry	1	1	1	0	1	2	22	7	0	2	-6	-4	2
1961	Dry	13	13	27	24	-3	-6	6	2	0	1	-1	-1	6
1962	Below Norma	4	4	8	6	6	-58	-16	-6	-4	-5	-5	-5	-6
1963	Wet	-8	-7	-6	-2	0	0	0	0	0	-5	-4	-1	-3
1964	Dry	-1	-1	-1	48	0	16	25	-10	-37	1	-2	-1	3
1965	Wet	5	6	11	5	0	2	3	3	3	3	3	3	4
1966	Below Norma	3	2	2	0	0	0	1	1	1	1	1	1	1
1967	Wet	1	0	0	26	0	0	-2	-2	-2	-2	-2	-2	1
1968	Below Norma	-2	-2	0	0	0	0	1	1	1	1	1	1	0
1969	Wet	1	1	1	23	0	0	-2	0	-2	-2	-2	-2	1
1970	Wet	-2	-2	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	11	-4	1
1972	Below Norma	-4	-2	-1	31	0	6	13	-3	-6	-5	-8	-7	1
1973	Above Norma	1	1	7	0	0	0	0	0	0	0	0	0	1
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	10	5	5	5	5	5	3
1977	Critical	5	5	5	2	2	0	-7	-9	-10	-9	-7	-7	-2
1978	Above Norma	-3	-2	-2	61	-17	0	0	2	0	3	3	2	4
1979	Below Norma	5	6	10	-14	-7	-6	0	0	0	0	0	0	0
1980	Above Norma	0	0	0	1	0	0	-1	1	1	1	1	1	0
1981	Dry	1	1	1	0	0	0	1	1	1	1	1	1	1
1982	Wet	1	1	1	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	-1	-8	-4	4	-5	-7	-2
1986	Wet	-7	-6	-6	-2	6	0	3	4	4	4	4	4	1
1987	Dry	4	4	4	5	0	-5	-3	-3	-3	-3	-3	-3	0
1988	Critical	-3	-2	-2	-2	-3	-1	-5	-6	-7	-6	-5	-5	-4
1989	Dry	-3	-2	-1	0	-1	1	1	1	0	1	1	1	0
1990	Critical	1	1	2	5	5	2	0	0	0	0	0	0	1
1991	Critical	0	0	0	0	0	-1	2	2	2	2	2	2	1
1992	Critical	1	0	0	0	0	-5	0	0	1	0	-2	-2	-1
1993	Above Norma	-3	-3	-2	0	1	0	0	0	0	0	0	0	-1
1994	Critical	0	0	0	2	1	5	13	3	-2	0	-5	-4	1
1995	Wet	8	8	18	20	0	-3	5	12	3	10	8	5	8
1996	Wet	4	1	-24	0	0	0	0	2	1	1	1	1	-1
1997	Wet	1	0	0	0	0	0	4	4	4	4	4	4	2
1998	Wet	4	4	4	0	0	0	0	0	0	0	0	0	1
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	35	0	-1	5	8	2	4	0	-3	4
2001	Dry	-3	-3	-3	0	0	0	1	2	2	2	2	2	0
2002	Dry	1	1	1	0	10	0	5	4	4	4	3	3	3
2003	Above Norma	5	5	6	20	0	20	-7	-2	-6	2	1	0	4
Average		0	0	1	4	1	0	1	0	-1	0	0	0	1
Wet		0	0	0	3	0	0	0	1	0	0	1	0	1
Above Norma		0	0	1	12	-1	2	2	1	-1	0	0	0	1
Below Norma		0	0	1	2	0	-3	0	-1	-1	-1	-1	0	0
Dry		1	1	2	3	1	3	4	0	-3	0	-1	-1	1
Critical		0	0	1	2	5	1	1	-1	-1	-1	-2	-2	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at Chrisman: CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norm	0%	0%	0%	178%	3%	0%	-1%	-1%	-1%	-1%	-1%	-1%
1923	Below Norm	-1%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%	4%	11%
1924	Critical	3%	3%	3%	5%	5%	4%	-1%	-1%	-1%	-1%	-1%	-1%
1925	Dry	-1%	-1%	-1%	-24%	1%	33%	0%	-3%	-3%	0%	8%	9%
1926	Dry	20%	33%	31%	13%	-17%	50%	-1%	-1%	-3%	-3%	-3%	-3%
1927	Wet	-3%	-4%	-4%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1928	Above Norm	0%	0%	0%	19%	0%	2%	18%	4%	-5%	-5%	-5%	-5%
1929	Critical	-5%	-5%	-5%	1%	1%	1%	2%	2%	2%	2%	2%	2%
1930	Dry	3%	2%	2%	3%	-13%	0%	20%	3%	-1%	1%	-4%	-3%
1931	Critical	10%	10%	33%	85%	83%	38%	-8%	-8%	-9%	-8%	-8%	-8%
1932	Dry	-10%	-9%	-9%	-7%	-1%	-2%	1%	1%	1%	-1%	-5%	-6%
1933	Critical	-12%	-18%	-10%	-18%	58%	-2%	2%	2%	0%	0%	-4%	-4%
1934	Critical	-9%	-14%	-13%	-5%	11%	-2%	0%	0%	0%	0%	0%	0%
1935	Below Norm	0%	0%	0%	-1%	0%	0%	4%	0%	0%	0%	0%	0%
1936	Below Norm	0%	1%	-1%	-6%	0%	0%	1%	0%	0%	0%	0%	0%
1937	Below Norm	1%	-2%	3%	3%	0%	19%	-3%	-3%	-3%	-2%	-2%	-2%
1938	Wet	-3%	-3%	-3%	1%	0%	0%	0%	-1%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1940	Above Norm	0%	0%	0%	-3%	-1%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	11%	0%	0%	0%	0%	0%	0%	0%	-1%
1942	Wet	-4%	-2%	-2%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%
1944	Dry	1%	1%	1%	1%	38%	0%	-4%	-4%	-4%	-4%	-4%	-4%
1945	Below Norm	-5%	-5%	-5%	-1%	8%	-11%	0%	1%	1%	1%	1%	1%
1946	Below Norm	1%	1%	1%	0%	0%	0%	0%	1%	0%	0%	0%	0%
1947	Dry	0%	0%	0%	0%	0%	20%	6%	6%	6%	6%	6%	6%
1948	Below Norm	6%	7%	7%	4%	5%	2%	-7%	-2%	-2%	-2%	-2%	-2%
1949	Dry	-2%	-2%	-2%	-11%	-11%	-9%	-5%	-6%	-6%	-7%	-8%	-8%
1950	Below Norm	-11%	-13%	-13%	-8%	-5%	7%	2%	2%	2%	2%	2%	2%
1951	Above Norm	2%	2%	2%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Norm	0%	0%	0%	1%	0%	0%	0%	0%	0%	-1%	-3%	0%
1955	Dry	0%	0%	0%	0%	0%	5%	-2%	2%	2%	4%	8%	8%
1956	Wet	14%	19%	19%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norm	0%	0%	0%	1%	0%	0%	3%	4%	2%	2%	2%	2%
1958	Wet	2%	2%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norm	0%	0%	-1%	0%	0%	2%	1%	1%	1%	1%	1%	1%
1960	Dry	1%	1%	1%	1%	1%	4%	22%	6%	0%	2%	-5%	-3%
1961	Dry	13%	15%	36%	61%	-5%	-7%	7%	2%	0%	1%	-1%	0%
1962	Below Norm	4%	4%	11%	17%	19%	-49%	-11%	-4%	-3%	-4%	-3%	-3%
1963	Wet	-6%	-6%	-5%	-2%	0%	0%	0%	0%	0%	-4%	-2%	-1%
1964	Dry	-1%	-1%	-1%	58%	0%	12%	-25%	-9%	-36%	1%	-2%	-1%
1965	Wet	6%	7%	16%	4%	0%	2%	3%	3%	3%	3%	3%	3%
1966	Below Norm	3%	3%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	0%	28%	0%	0%	-2%	-2%	-2%	-2%	-2%	-2%
1968	Below Norm	-2%	-2%	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%
1969	Wet	1%	1%	1%	27%	0%	0%	-1%	0%	-1%	-1%	-1%	-1%
1970	Wet	-2%	-2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	8%	-2%
1972	Below Norm	-3%	-2%	-1%	32%	0%	4%	15%	-3%	-6%	-5%	-7%	-7%
1973	Above Norm	1%	1%	14%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	8%	5%	5%	5%	5%	5%
1977	Critical	6%	6%	6%	3%	4%	1%	-22%	-25%	-27%	-26%	-26%	-27%
1978	Above Norm	-27%	-29%	-27%	123%	-15%	0%	0%	1%	0%	2%	2%	1%
1979	Below Norm	4%	5%	7%	-32%	-6%	-5%	0%	0%	0%	0%	0%	0%
1980	Above Norm	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	1%	1%	1%	0%	0%	0%	1%	1%	1%	1%	1%	1%
1982	Wet	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	-1%	-6%	-3%	4%	-4%	-5%
1986	Wet	-5%	-5%	-6%	-2%	8%	0%	3%	4%	4%	4%	4%	4%
1987	Dry	4%	4%	4%	4%	0%	-4%	-2%	-2%	-2%	-2%	-2%	-2%
1988	Critical	-3%	-3%	-3%	-3%	-5%	-2%	-8%	-8%	-9%	-8%	-8%	-9%
1989	Dry	-11%	-9%	-8%	-8%	-10%	2%	0%	0%	1%	1%	1%	1%
1990	Critical	1%	1%	2%	52%	51%	16%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	0%	-1%	-5%	-13%	3%	3%	3%	3%	3%	3%
1992	Critical	4%	3%	3%	2%	0%	-21%	1%	1%	1%	0%	-2%	-2%
1993	Above Norm	-5%	-7%	-7%	0%	1%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	2%	1%	4%	16%	3%	-2%	0%	-5%	-4%
1995	Wet	10%	11%	31%	48%	0%	-2%	3%	8%	2%	7%	5%	3%
1996	Wet	3%	1%	-16%	0%	0%	0%	0%	1%	0%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	4%	4%	4%	4%	4%	4%
1998	Wet	4%	5%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norm	0%	0%	0%	44%	0%	0%	4%	5%	1%	3%	0%	-2%
2001	Dry	-2%	-2%	-2%	0%	0%	0%	2%	2%	2%	2%	2%	2%
2002	Dry	2%	2%	2%	1%	10%	0%	5%	4%	3%	3%	3%	3%
2003	Above Norm	5%	5%	6%	20%	0%	18%	-6%	-1%	-4%	2%	1%	0%
Average		0%	0%	1%	9%	3%	1%	1%	0%	-1%	0%	-1%	-1%
Wet		1%	1%	2%	4%	0%	0%	0%	1%	0%	0%	1%	0%
Above Norm		-2%	-2%	-1%	32%	-1%	2%	1%	1%	0%	0%	0%	0%
Below Norm		0%	0%	1%	1%	1%	-2%	0%	0%	0%	-1%	0%	0%
Dry		1%	2%	3%	5%	0%	6%	4%	0%	-2%	0%	-1%	0%
Critical		0%	-1%	1%	10%	17%	2%	-1%	-2%	-3%	-3%	-4%	-4%

Energy Use (GWh) At Pumping Plant at Del Valle: CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	0.17	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.07	0.08	0.07	0.05	2
1923	Below Normal	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.06	0.08	0.07	0.05	1
1924	Critical	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.06	0.07	0.08	0.07	0.05	1
1925	Dry	0.00	0.00	0.00	0.54	0.00	0.00	0.29	0.05	0.07	0.08	0.07	0.04	1
1926	Dry	0.00	0.00	0.00	0.00	1.08	0.00	0.24	0.05	0.07	0.08	0.07	0.04	2
1927	Wet	0.00	0.00	0.00	0.00	0.84	0.26	0.03	0.05	0.06	0.08	0.06	0.04	1
1928	Above Normal	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.06	0.07	0.08	0.07	0.05	1
1929	Critical	0.00	0.00	0.00	0.00	0.00	0.73	0.38	0.05	0.06	0.08	0.07	0.05	1
1930	Dry	0.00	0.00	0.00	0.00	1.08	0.02	0.03	0.04	0.07	0.07	0.07	0.04	1
1931	Critical	0.00	0.00	0.00	0.00	0.00	0.73	0.40	0.06	0.06	0.09	0.07	0.04	1
1932	Dry	0.00	0.00	0.00	0.00	1.08	0.02	0.03	0.05	0.07	0.07	0.07	0.05	1
1933	Critical	0.00	0.00	0.00	0.00	1.08	0.01	0.03	0.04	0.06	0.08	0.07	0.05	1
1934	Critical	0.00	0.00	0.00	0.00	1.08	0.02	0.04	0.06	0.07	0.08	0.07	0.05	1
1935	Below Normal	0.00	0.00	0.00	0.00	0.00	1.09	0.03	0.05	0.07	0.07	0.07	0.05	1
1936	Below Normal	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.06	0.08	0.07	0.05	1
1937	Below Normal	0.00	0.00	0.00	0.00	0.00	1.09	0.03	0.05	0.06	0.08	0.07	0.05	1
1938	Wet	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.07	0.08	0.07	0.05	1
1939	Dry	0.00	0.00	0.85	0.22	0.00	0.34	0.40	0.05	0.07	0.08	0.07	0.05	2
1940	Above Normal	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.06	0.07	0.07	0.07	0.05	1
1941	Wet	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.06	0.08	0.07	0.05	1
1942	Wet	0.00	0.00	0.00	0.00	0.59	0.50	0.03	0.05	0.07	0.08	0.07	0.05	1
1943	Wet	0.00	0.00	0.00	0.79	0.29	0.01	0.03	0.06	0.06	0.08	0.07	0.05	1
1944	Dry	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.06	0.07	0.07	0.05	1
1945	Below Normal	0.00	0.00	0.00	0.00	1.08	0.00	0.40	0.05	0.07	0.08	0.07	0.05	2
1946	Below Normal	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.06	0.08	0.07	0.05	1
1947	Dry	0.00	0.00	0.00	0.00	0.00	1.09	0.04	0.06	0.07	0.07	0.07	0.05	1
1948	Below Normal	0.00	0.00	0.00	0.00	0.00	0.73	0.38	0.05	0.06	0.08	0.07	0.05	1
1949	Dry	0.00	0.00	0.00	0.00	0.00	0.73	0.40	0.05	0.07	0.08	0.07	0.05	1
1950	Below Normal	0.00	0.00	0.00	0.00	0.00	1.09	0.04	0.05	0.06	0.08	0.07	0.05	1
1951	Above Normal	0.00	0.00	0.00	0.00	0.60	0.49	0.03	0.05	0.06	0.07	0.07	0.05	1
1952	Wet	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.06	0.06	0.08	0.07	0.05	1
1953	Wet	0.03	0.01	0.00	0.00	0.00	0.76	0.03	0.04	0.06	0.08	0.07	0.05	1
1954	Above Normal	0.00	0.00	0.00	0.00	0.00	0.83	0.30	0.06	0.07	0.08	0.06	0.05	1
1955	Dry	0.00	0.00	0.00	0.00	0.00	0.73	0.38	0.05	0.06	0.07	0.07	0.05	1
1956	Wet	0.00	0.00	0.00	0.00	0.39	0.71	0.03	0.05	0.07	0.08	0.07	0.05	1
1957	Above Normal	0.00	0.00	0.00	0.00	0.00	0.73	0.40	0.05	0.07	0.08	0.07	0.05	1
1958	Wet	0.00	0.00	0.00	1.02	0.06	0.01	0.04	0.06	0.07	0.08	0.08	0.06	1
1959	Below Normal	0.00	0.00	0.83	0.25	0.00	0.00	0.40	0.05	0.07	0.08	0.07	0.05	2
1960	Dry	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.08	0.08	0.07	0.05	1
1961	Dry	0.00	0.00	0.00	0.00	1.08	0.01	0.03	0.04	0.07	0.08	0.07	0.05	1
1962	Below Normal	0.00	0.00	0.00	0.00	0.00	0.73	0.40	0.05	0.06	0.07	0.07	0.04	1
1963	Wet	0.00	0.00	0.00	0.00	0.00	0.73	0.38	0.05	0.06	0.07	0.07	0.05	1
1964	Dry	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.06	0.07	0.07	0.05	1
1965	Wet	0.00	0.00	0.00	0.00	0.50	0.60	0.03	0.05	0.06	0.07	0.07	0.04	1
1966	Below Normal	0.00	0.00	0.00	0.00	0.61	0.48	0.04	0.05	0.07	0.07	0.07	0.05	1
1967	Wet	0.00	0.00	0.00	0.00	0.53	0.57	0.01	0.05	0.06	0.08	0.08	0.05	1
1968	Below Normal	0.00	0.61	0.11	0.00	0.00	0.02	0.04	0.05	0.07	0.08	0.07	0.05	1
1969	Wet	0.00	0.00	0.00	0.00	0.53	0.56	0.03	0.06	0.07	0.08	0.07	0.05	1
1970	Wet	0.00	0.00	0.79	0.28	0.00	0.02	0.03	0.06	0.07	0.08	0.07	0.05	1
1971	Wet	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.06	0.08	0.07	0.05	1
1972	Below Normal	0.00	0.00	0.00	0.00	0.00	0.74	0.39	0.05	0.07	0.08	0.07	0.05	1
1973	Above Normal	0.00	0.00	0.00	0.57	0.51	0.01	0.04	0.06	0.07	0.08	0.07	0.05	1
1974	Wet	0.00	0.00	0.00	0.00	0.61	0.49	0.03	0.05	0.07	0.08	0.07	0.05	1
1975	Wet	0.00	0.00	0.00	0.28	0.70	0.12	0.02	0.06	0.07	0.07	0.07	0.05	1
1976	Critical	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.06	0.07	0.08	0.06	0.05	1
1977	Critical	0.00	0.00	0.00	0.00	0.00	0.73	0.40	0.04	0.07	0.07	0.07	0.04	1
1978	Above Normal	0.00	0.00	0.00	0.41	0.00	0.02	0.03	0.05	0.07	0.08	0.07	0.05	1
1979	Below Normal	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.06	0.07	0.08	0.07	0.05	1
1980	Above Normal	0.00	0.00	0.00	0.00	0.68	0.42	0.03	0.05	0.06	0.08	0.06	0.05	1
1981	Dry	0.00	0.00	0.00	0.00	0.11	0.88	0.14	0.06	0.08	0.08	0.07	0.05	1
1982	Wet	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.06	0.07	0.07	0.05	1
1983	Wet	0.00	0.00	0.87	0.21	0.00	0.01	0.03	0.05	0.06	0.07	0.07	0.05	1
1984	Wet	0.03	0.01	0.00	0.00	0.00	0.02	0.03	0.06	0.07	0.08	0.07	0.06	0
1985	Dry	0.00	0.00	0.00	0.00	0.00	0.73	0.40	0.05	0.07	0.08	0.07	0.04	1
1986	Wet	0.00	0.00	0.00	0.00	1.08	0.02	0.03	0.05	0.07	0.08	0.07	0.04	1
1987	Dry	0.00	0.00	0.00	0.00	0.00	0.73	0.40	0.06	0.07	0.07	0.07	0.05	1
1988	Critical	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.07	0.08	0.07	0.05	1
1989	Dry	0.00	0.00	0.00	0.00	0.00	1.09	0.04	0.05	0.07	0.08	0.07	0.05	1
1990	Critical	0.00	0.00	0.00	0.00	0.00	0.73	0.40	0.05	0.07	0.08	0.07	0.05	1
1991	Critical	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.06	0.08	0.07	0.05	1
1992	Critical	0.00	0.00	0.00	0.00	0.00	1.09	0.04	0.06	0.07	0.08	0.07	0.05	1
1993	Above Normal	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.07	0.08	0.07	0.05	1
1994	Critical	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.07	0.07	0.07	0.05	1
1995	Wet	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.06	0.08	0.07	0.05	1
1996	Wet	0.00	0.00	0.80	0.27	0.00	0.02	0.04	0.05	0.07	0.08	0.07	0.05	1
1997	Wet	0.00	0.00	0.00	0.00	0.61	0.49	0.04	0.06	0.07	0.08	0.07	0.05	1
1998	Wet	0.00	0.00	0.00	0.00	0.60	0.49	0.03	0.04	0.06	0.08	0.07	0.05	1
1999	Wet	0.02	0.01	0.00	0.00	0.00	0.01	0.03	0.05	0.07	0.07	0.07	0.05	0
2000	Above Normal	0.00	0.00	0.00	0.00	0.00	0.73	0.40	0.06	0.07	0.07	0.07	0.05	1
2001	Dry	0.00	0.00	0.00	0.00	0.00	1.10	0.03	0.07	0.07	0.08	0.07	0.05	1
2002	Dry	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.07	0.08	0.07	0.05	1
2003	Above Normal	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.07	0.08	0.07	0.05	1
Average		0	0	0	0	0	1	0	0	0	0	0	0	1
Wet		0	0	0	0	0	0	0	0	0	0	0	0	1
Above Normal		0	0	0	0	0	1	0	0	0	0	0	0	1
Below Normal		0	0	0	0	0	1	0	0	0	0	0	0	1
Dry		0	0	0	0	0	1	0	0	0	0	0	0	1
Critical		0	0	0	0	0	1	0	0	0	0	0	0	1

Energy Use (GWh) At Pumping Plant at Del Valle: CP2_2020

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	0.17	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.07	0.08	0.07	0.05	2
1923	Below Normal	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.06	0.08	0.07	0.05	1
1924	Critical	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.06	0.07	0.08	0.07	0.05	1
1925	Dry	0.00	0.00	0.00	0.54	0.00	0.00	0.28	0.05	0.07	0.08	0.07	0.04	1
1926	Dry	0.00	0.00	0.00	0.00	1.08	0.00	0.40	0.05	0.07	0.08	0.07	0.04	2
1927	Wet	0.00	0.00	0.00	0.00	0.79	0.31	0.03	0.05	0.06	0.08	0.06	0.04	1
1928	Above Normal	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.06	0.07	0.08	0.07	0.05	1
1929	Critical	0.00	0.00	0.00	0.00	0.00	0.73	0.38	0.05	0.06	0.08	0.07	0.05	1
1930	Dry	0.00	0.00	0.00	0.00	1.08	0.02	0.03	0.04	0.07	0.07	0.07	0.04	1
1931	Critical	0.00	0.00	0.00	0.00	0.00	0.73	0.40	0.06	0.06	0.09	0.07	0.04	1
1932	Dry	0.00	0.00	0.00	0.00	1.08	0.02	0.03	0.05	0.07	0.07	0.07	0.05	1
1933	Critical	0.00	0.00	0.00	0.00	1.08	0.01	0.03	0.04	0.06	0.08	0.07	0.05	1
1934	Critical	0.00	0.00	0.00	0.00	1.08	0.02	0.04	0.06	0.07	0.08	0.07	0.05	1
1935	Below Normal	0.00	0.00	0.00	0.00	0.00	1.09	0.03	0.05	0.07	0.07	0.07	0.05	1
1936	Below Normal	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.06	0.08	0.07	0.05	1
1937	Below Normal	0.00	0.00	0.00	0.00	0.00	0.94	0.18	0.05	0.06	0.08	0.07	0.05	1
1938	Wet	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.07	0.08	0.07	0.05	1
1939	Dry	0.00	0.00	0.86	0.22	0.00	0.34	0.40	0.05	0.07	0.08	0.07	0.05	2
1940	Above Normal	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.06	0.07	0.07	0.07	0.05	1
1941	Wet	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.06	0.08	0.07	0.05	1
1942	Wet	0.00	0.00	0.00	0.00	0.59	0.50	0.03	0.05	0.07	0.08	0.07	0.05	1
1943	Wet	0.00	0.00	0.00	0.78	0.30	0.01	0.03	0.06	0.06	0.08	0.07	0.05	1
1944	Dry	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.06	0.07	0.07	0.05	1
1945	Below Normal	0.00	0.00	0.00	0.00	1.08	0.00	0.40	0.05	0.07	0.08	0.07	0.05	2
1946	Below Normal	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.06	0.08	0.07	0.05	1
1947	Dry	0.00	0.00	0.00	0.00	0.00	1.09	0.04	0.06	0.07	0.07	0.07	0.05	1
1948	Below Normal	0.00	0.00	0.00	0.00	0.00	0.73	0.38	0.05	0.06	0.08	0.07	0.05	1
1949	Dry	0.00	0.00	0.00	0.00	0.00	0.73	0.40	0.05	0.07	0.08	0.07	0.05	1
1950	Below Normal	0.00	0.00	0.00	0.00	0.00	1.09	0.04	0.05	0.06	0.08	0.07	0.05	1
1951	Above Normal	0.00	0.00	0.00	0.00	0.60	0.49	0.03	0.05	0.06	0.07	0.07	0.05	1
1952	Wet	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.06	0.06	0.08	0.07	0.05	1
1953	Wet	0.03	0.01	0.00	0.00	0.00	0.76	0.03	0.04	0.06	0.08	0.07	0.05	1
1954	Above Normal	0.00	0.00	0.00	0.00	0.00	0.82	0.31	0.06	0.07	0.08	0.06	0.05	1
1955	Dry	0.00	0.00	0.00	0.00	0.00	0.73	0.38	0.05	0.06	0.07	0.07	0.05	1
1956	Wet	0.00	0.00	0.00	0.00	0.35	0.75	0.03	0.05	0.07	0.08	0.07	0.05	1
1957	Above Normal	0.00	0.00	0.00	0.00	0.00	0.73	0.40	0.05	0.07	0.08	0.07	0.05	1
1958	Wet	0.00	0.00	0.00	1.00	0.08	0.01	0.04	0.06	0.07	0.08	0.08	0.06	1
1959	Below Normal	0.00	0.00	0.83	0.25	0.00	0.00	0.40	0.05	0.07	0.08	0.07	0.05	2
1960	Dry	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.08	0.08	0.07	0.05	1
1961	Dry	0.00	0.00	0.00	0.00	0.00	1.09	0.03	0.04	0.07	0.08	0.07	0.05	1
1962	Below Normal	0.00	0.00	0.00	0.00	0.00	1.09	0.04	0.05	0.06	0.07	0.07	0.04	1
1963	Wet	0.00	0.00	0.00	0.00	0.00	0.73	0.38	0.05	0.06	0.07	0.07	0.05	1
1964	Dry	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.06	0.07	0.07	0.05	1
1965	Wet	0.00	0.00	0.00	0.00	0.64	0.45	0.03	0.05	0.06	0.07	0.07	0.04	1
1966	Below Normal	0.00	0.00	0.00	0.00	0.61	0.48	0.04	0.05	0.07	0.07	0.07	0.05	1
1967	Wet	0.00	0.00	0.00	0.00	0.00	0.73	0.37	0.05	0.06	0.08	0.08	0.05	1
1968	Below Normal	0.00	0.64	0.09	0.00	0.00	0.02	0.04	0.05	0.07	0.08	0.07	0.05	1
1969	Wet	0.00	0.00	0.00	0.00	0.56	0.54	0.03	0.06	0.07	0.08	0.07	0.05	1
1970	Wet	0.00	0.00	0.82	0.26	0.00	0.02	0.03	0.06	0.07	0.08	0.07	0.05	1
1971	Wet	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.06	0.08	0.07	0.05	1
1972	Below Normal	0.00	0.00	0.00	0.00	0.00	0.74	0.39	0.05	0.07	0.08	0.07	0.05	1
1973	Above Normal	0.00	0.00	0.00	0.77	0.31	0.01	0.04	0.06	0.07	0.08	0.07	0.05	1
1974	Wet	0.00	0.00	0.00	0.00	0.61	0.49	0.03	0.05	0.07	0.08	0.07	0.05	1
1975	Wet	0.00	0.00	0.00	0.34	0.69	0.06	0.02	0.06	0.07	0.07	0.07	0.05	1
1976	Critical	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.06	0.07	0.08	0.06	0.05	1
1977	Critical	0.00	0.00	0.00	0.00	0.00	0.73	0.40	0.04	0.07	0.07	0.07	0.04	1
1978	Above Normal	0.00	0.00	0.00	0.30	0.00	0.02	0.03	0.05	0.07	0.08	0.07	0.05	1
1979	Below Normal	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.06	0.07	0.08	0.07	0.05	1
1980	Above Normal	0.00	0.00	0.00	0.00	0.00	0.83	0.29	0.05	0.06	0.08	0.06	0.05	1
1981	Dry	0.00	0.00	0.00	0.00	0.00	0.87	0.25	0.06	0.08	0.08	0.07	0.05	1
1982	Wet	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.06	0.07	0.07	0.05	1
1983	Wet	0.00	0.00	0.87	0.21	0.00	0.01	0.03	0.05	0.06	0.07	0.07	0.05	1
1984	Wet	0.03	0.01	0.00	0.00	0.00	0.02	0.03	0.06	0.07	0.08	0.07	0.06	0
1985	Dry	0.00	0.00	0.00	0.00	0.00	0.73	0.40	0.05	0.07	0.08	0.07	0.04	1
1986	Wet	0.00	0.00	0.00	0.00	1.08	0.02	0.03	0.05	0.07	0.08	0.07	0.04	1
1987	Dry	0.00	0.00	0.00	0.00	0.00	0.73	0.40	0.06	0.07	0.07	0.07	0.05	1
1988	Critical	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.07	0.08	0.07	0.05	1
1989	Dry	0.00	0.00	0.00	0.00	0.00	1.09	0.04	0.05	0.07	0.08	0.07	0.05	1
1990	Critical	0.00	0.00	0.00	0.00	0.00	0.73	0.40	0.05	0.07	0.08	0.07	0.05	1
1991	Critical	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.06	0.08	0.07	0.05	1
1992	Critical	0.00	0.00	0.00	0.00	0.00	1.09	0.04	0.06	0.07	0.08	0.07	0.05	1
1993	Above Normal	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.07	0.08	0.07	0.05	1
1994	Critical	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.07	0.07	0.07	0.05	1
1995	Wet	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.06	0.08	0.07	0.05	1
1996	Wet	0.00	0.00	0.00	0.75	0.34	0.02	0.04	0.05	0.07	0.08	0.07	0.05	1
1997	Wet	0.00	0.00	0.00	0.00	0.61	0.49	0.04	0.06	0.07	0.08	0.07	0.05	1
1998	Wet	0.00	0.00	0.00	0.00	0.60	0.49	0.03	0.04	0.06	0.08	0.07	0.05	1
1999	Wet	0.00	0.14	0.00	0.00	0.00	0.01	0.03	0.05	0.07	0.07	0.07	0.05	0
2000	Above Normal	0.00	0.00	0.00	0.00	0.00	0.73	0.40	0.06	0.07	0.07	0.07	0.05	1
2001	Dry	0.00	0.00	0.00	0.00	0.00	1.10	0.03	0.07	0.07	0.08	0.07	0.05	1
2002	Dry	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.07	0.08	0.07	0.05	1
2003	Above Normal	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.07	0.08	0.07	0.05	1
Average		0	0	0	0	0	1	0	0	0	0	0	0	1
Wet		0	0	0	0	0	0	0	0	0	0	0	0	1
Above Normal		0	0	0	0	0	1	0	0	0	0	0	0	1
Below Normal		0	0	0	0	0	1	0	0	0	0	0	0	1
Dry		0	0	0	0	0	1	0	0	0	0	0	0	1
Critical		0	0	0	0	0	1	0	0	0	0	0	0	1

Difference in Energy Use (GWh) At Pumping Plant at Del Valle: CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1927	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1932	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1935	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1940	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1945	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1946	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1947	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1948	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1949	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1951	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1961	Dry	0	0	0	0	-1	1	0	0	0	0	0	0	0
1962	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1963	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1965	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1966	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	0	-1	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	Above Norma	0	0	0	0	-1	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	-1	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Below Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Dry		0	0	0	0	0	0	0	0	0	0	0	0	0
Critical		0	0	0	0	0	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at Del Valle: CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1923	Below Norma	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1924	Critical	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1925	Dry	-	-	-	-1%	0%	-	-4%	0%	0%	0%	0%	0%
1926	Dry	-	-	-	-	0%	-	63%	0%	0%	0%	0%	0%
1927	Wet	-	-	0%	-	-6%	18%	0%	0%	0%	0%	0%	0%
1928	Above Norma	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1929	Critical	-	-	-	-	0%	0%	0%	0%	0%	0%	0%	0%
1930	Dry	-	-	-	-	0%	0%	0%	0%	0%	0%	0%	0%
1931	Critical	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1932	Dry	-	-	-	-	0%	0%	0%	0%	0%	0%	0%	0%
1933	Critical	-	-	-	-	0%	0%	0%	0%	0%	0%	0%	0%
1934	Critical	-	-	-100%	-	0%	0%	0%	0%	0%	0%	0%	0%
1935	Below Norma	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1936	Below Norma	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1937	Below Norma	-	-	0%	-	0%	-14%	491%	0%	0%	0%	0%	0%
1938	Wet	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	-	-	0%	-1%	-	1%	0%	0%	0%	0%	0%	0%
1940	Above Norma	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1942	Wet	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	-	-	0%	-1%	3%	0%	0%	0%	0%	0%	0%	0%
1944	Dry	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1945	Below Norma	-	-	0%	-	0%	-	0%	0%	0%	0%	0%	0%
1946	Below Norma	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1947	Dry	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1948	Below Norma	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1949	Dry	-	-	-	-	0%	0%	0%	0%	0%	0%	0%	0%
1950	Below Norma	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1951	Above Norma	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Norma	-	-	0%	-	0%	-1%	2%	0%	0%	0%	0%	0%
1955	Dry	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1956	Wet	-	-	-	-	-10%	6%	0%	0%	0%	0%	0%	0%
1957	Above Norma	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1958	Wet	-	-	0%	-2%	33%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norma	-	-	0%	0%	0%	-	0%	0%	0%	0%	0%	0%
1960	Dry	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1961	Dry	-	-	0%	-	-100%	7997%	0%	0%	0%	0%	0%	0%
1962	Below Norma	-	-	0%	-	0%	49%	-91%	0%	0%	0%	0%	0%
1963	Wet	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1964	Dry	-	-	-	-	0%	0%	0%	0%	0%	0%	0%	0%
1965	Wet	-	-	0%	-	30%	-25%	0%	0%	0%	0%	0%	0%
1966	Below Norma	-	-	-	-	0%	0%	0%	0%	0%	0%	0%	0%
1967	Wet	-	-	0%	-	-100%	29%	2486%	0%	0%	0%	0%	0%
1968	Below Norma	-	4%	-20%	-	0%	0%	0%	0%	0%	0%	0%	0%
1969	Wet	-	-	0%	-	4%	-4%	0%	0%	0%	0%	0%	0%
1970	Wet	-	-	3%	-8%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Wet	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1972	Below Norma	-	-	-	-	0%	0%	0%	0%	0%	0%	0%	0%
1973	Above Norma	-	-	-	35%	-39%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	-	-	0%	21%	-1%	-46%	0%	0%	0%	0%	0%	0%
1976	Critical	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1977	Critical	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1978	Above Norma	-	-	-	-27%	0%	0%	0%	0%	0%	0%	0%	0%
1979	Below Norma	-	-	-	-	0%	0%	0%	0%	0%	0%	0%	0%
1980	Above Norma	-	-	0%	-	-100%	99%	814%	0%	0%	0%	0%	0%
1981	Dry	-	-	0%	-	-98%	-1%	77%	0%	0%	0%	0%	0%
1982	Wet	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	-	-	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1986	Wet	-	-	-	-	0%	0%	0%	0%	0%	0%	0%	0%
1987	Dry	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1988	Critical	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1989	Dry	-	-	-	-	-100%	0%	0%	0%	0%	0%	0%	0%
1990	Critical	-	-	-	-	0%	0%	0%	0%	0%	0%	0%	0%
1991	Critical	-	-	-	-	0%	0%	0%	0%	0%	0%	0%	0%
1992	Critical	-	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1993	Above Norma	-	-	-	-	0%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1995	Wet	-	-	-	-	0%	0%	0%	0%	0%	0%	0%	0%
1996	Wet	-	-	-100%	172%	11492%	0%	0%	0%	0%	0%	0%	0%
1997	Wet	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1998	Wet	-	-	0%	-	-1%	1%	0%	0%	0%	0%	0%	0%
1999	Wet	-100%	867%	-	-	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norma	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
2001	Dry	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
2002	Dry	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
2003	Above Norma	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
Average		-25%	218%	-4%	17%	139%	104%	47%	0%	0%	0%	0%	0%
Wet		-4%	33%	-4%	7%	440%	-1%	96%	0%	0%	0%	0%	0%
Above Norma		0%	0%	0%	1%	-12%	8%	68%	0%	0%	0%	0%	0%
Below Norma		0%	0%	-1%	0%	0%	3%	29%	0%	0%	0%	0%	0%
Dry		0%	0%	0%	0%	-17%	444%	8%	0%	0%	0%	0%	0%
Critical		0%	0%	-8%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Difference in Energy Use (GWh) At Pumping Plant at Edmonston: CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norm	0	0	0	28	11	0	-5	-4	-3	-4	-4	-3	1
1923	Below Norm	-4	-4	-4	0	0	0	0	1	0	1	19	47	5
1924	Critical	14	13	13	12	11	5	-1	-1	-2	-1	-1	-1	5
1925	Dry	-1	0	0	-52	3	8	0	-8	-9	1	26	26	-1
1926	Dry	36	47	31	8	-67	111	-3	-4	-14	-15	-15	-14	8
1927	Wet	-14	-14	-14	1	0	0	-2	-2	-2	-2	-2	-2	-4
1928	Above Norm	-2	-2	-2	74	0	8	77	15	-18	-19	-19	-19	8
1929	Critical	-18	-18	-18	3	2	1	5	7	7	7	6	6	-1
1930	Dry	3	2	1	1	-16	0	54	13	-4	2	-17	-13	2
1931	Critical	31	30	69	71	64	23	-19	-25	-27	-24	-20	-19	13
1932	Dry	-11	-6	-5	-2	-4	-4	2	3	3	-2	-16	-16	-5
1933	Critical	-20	-25	-10	-10	87	-6	4	5	6	0	-15	-15	0
1934	Critical	-22	-28	-19	-4	17	-1	-1	-1	-1	-1	-1	-1	-5
1935	Below Norm	-1	-1	-1	0	0	0	16	0	0	0	0	0	1
1936	Below Norm	0	3	-2	-2	0	2	3	1	0	1	1	1	1
1937	Below Norm	3	-10	7	1	0	76	-13	-14	-13	-14	-13	-12	0
1938	Wet	-15	-15	-14	2	0	0	0	-6	-1	-1	-1	-1	-4
1939	Dry	-1	-1	1	0	-1	4	1	1	1	1	1	1	1
1940	Above Norm	1	1	1	-4	-2	0	0	0	0	0	0	0	0
1941	Wet	0	0	1	46	0	0	-1	-1	0	-1	-1	-8	3
1942	Wet	-19	-8	-8	0	0	0	0	0	0	0	0	0	-3
1943	Wet	0	0	0	0	0	0	4	4	4	4	4	4	2
1944	Dry	4	3	3	2	123	2	-20	-21	-21	-21	-22	-21	1
1945	Below Norm	-21	-20	-20	-3	23	-54	-1	3	3	3	3	3	-7
1946	Below Norm	3	3	3	0	0	0	0	7	-1	-1	-1	-1	1
1947	Dry	-1	-1	-1	0	-1	42	25	26	25	26	26	25	16
1948	Below Norm	25	24	24	5	7	2	-17	-9	-9	-10	-10	-9	2
1949	Dry	-9	-9	-9	-26	-22	-9	-14	-19	-21	-23	-32	-30	-19
1950	Below Norm	-28	-29	-21	-5	-3	20	8	8	8	8	8	8	-2
1951	Above Norm	8	7	7	3	0	0	0	0	0	0	0	0	2
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	2	1	1	1	1	1	0
1954	Above Norm	1	1	1	3	0	2	0	0	0	-5	-16	-2	-1
1955	Dry	-2	-2	-2	0	1	8	-6	5	5	11	26	25	6
1956	Wet	29	35	24	1	0	0	0	0	0	0	0	0	7
1957	Above Norm	0	0	0	2	0	0	16	17	8	8	8	8	6
1958	Wet	8	7	7	0	0	0	0	0	0	0	0	0	2
1959	Below Norm	0	0	-4	0	0	7	4	4	4	4	4	4	2
1960	Dry	4	4	4	1	2	6	77	24	0	7	-21	-15	8
1961	Dry	45	47	94	84	-11	-22	21	7	1	4	-3	-2	22
1962	Below Norm	13	13	27	21	20	-204	-58	-20	-15	-19	-17	-17	-21
1963	Wet	-28	-26	-21	-7	0	1	2	0	0	-19	-13	-5	-10
1964	Dry	-5	-4	-4	166	0	56	86	-34	-130	4	-8	-5	10
1965	Wet	19	19	40	18	0	7	9	9	9	9	10	9	13
1966	Below Norm	9	9	9	0	0	0	2	2	2	2	2	2	3
1967	Wet	2	2	2	91	0	0	-8	-8	-8	-8	-9	-8	4
1968	Below Norm	-8	-8	0	0	0	0	4	4	4	4	4	4	1
1969	Wet	4	3	3	81	0	0	-6	-2	-7	-7	-8	-7	5
1970	Wet	-7	-7	0	0	0	0	1	1	1	1	1	1	-1
1971	Wet	1	1	1	0	0	0	0	0	0	0	37	-13	2
1972	Below Norm	-13	-8	-3	109	0	21	44	-10	-20	-17	-28	-25	4
1973	Above Norm	2	2	26	0	0	0	1	1	1	1	1	1	3
1974	Wet	1	1	1	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	1	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	35	19	19	19	19	19	11
1977	Critical	18	17	17	7	7	1	-25	-31	-34	-30	-25	-24	-8
1978	Above Norm	-11	-8	-6	212	-61	-2	2	6	0	10	10	7	13
1979	Below Norm	19	22	34	-50	-26	-21	2	2	2	2	2	2	-1
1980	Above Norm	2	1	1	5	0	0	-2	2	2	2	2	2	2
1981	Dry	2	2	2	1	0	0	4	4	4	4	4	4	3
1982	Wet	4	4	3	0	0	0	0	0	0	0	0	0	1
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	-5	-26	-15	15	-16	-23	-6
1986	Wet	-23	-22	-22	-7	23	0	11	15	15	15	15	15	3
1987	Dry	15	14	14	17	0	-16	-9	-9	-9	-9	-9	-9	-1
1988	Critical	-9	-8	-8	-8	-12	-2	-17	-22	-24	-22	-18	-17	-14
1989	Dry	-10	-5	-4	-2	-3	2	2	2	0	3	3	3	-1
1990	Critical	4	5	8	17	17	7	0	0	0	0	0	0	5
1991	Critical	0	0	0	0	-1	-3	5	7	8	7	6	5	3
1992	Critical	3	2	2	0	0	-19	1	2	2	-1	-7	-7	-2
1993	Above Norm	-9	-12	-8	0	5	0	-1	-1	-1	-1	-1	-1	-2
1994	Critical	-1	-1	-1	8	5	17	46	10	-6	-1	-18	-13	4
1995	Wet	27	28	62	69	0	-9	17	41	10	34	27	16	27
1996	Wet	16	3	-83	0	0	0	-1	6	2	2	2	2	-4
1997	Wet	2	2	2	0	0	0	13	14	14	14	14	14	7
1998	Wet	13	13	13	0	0	0	0	0	0	0	0	0	3
1999	Wet	0	0	0	0	0	0	1	1	1	1	1	1	1
2000	Above Norm	1	1	1	123	0	-3	19	27	7	15	2	-11	15
2001	Dry	-11	-10	-10	0	-1	1	4	6	6	6	7	7	0
2002	Dry	5	5	4	1	34	0	19	15	13	14	11	11	11
2003	Above Norm	16	16	20	71	0	69	-26	-7	-19	5	4	0	12
Average		1	1	3	14	3	2	5	1	-3	0	-1	-1	2
Wet		1	1	0	11	1	0	2	3	1	2	3	1	2
Above Norm		1	1	3	43	-4	6	7	5	-2	1	-1	-1	5
Below Norm		0	0	3	5	1	-11	-1	-2	-2	-3	-2	0	-1
Dry		4	5	7	11	2	11	13	-1	-9	2	-3	-3	3
Critical		0	-1	4	8	16	2	3	-3	-4	-4	-6	-6	1

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at Edmonston: CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norm	0%	0%	0%	178%	3%	0%	-1%	-1%	-1%	-1%	-1%	-1%
1923	Below Norm	-1%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%	4%	11%
1924	Critical	3%	3%	3%	5%	5%	4%	-1%	-1%	-1%	-1%	-1%	-1%
1925	Dry	-1%	-1%	-1%	-24%	1%	33%	0%	-3%	-3%	0%	8%	9%
1926	Dry	20%	33%	31%	13%	-17%	50%	-1%	-1%	-3%	-3%	-3%	-3%
1927	Wet	-3%	-4%	-4%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1928	Above Norm	0%	0%	0%	19%	0%	2%	18%	4%	-5%	-5%	-5%	-5%
1929	Critical	-5%	-5%	-5%	1%	1%	1%	2%	2%	2%	2%	2%	2%
1930	Dry	3%	2%	2%	3%	-13%	0%	20%	3%	-1%	1%	-4%	-3%
1931	Critical	10%	10%	33%	85%	83%	38%	-8%	-8%	-9%	-8%	-8%	-8%
1932	Dry	-10%	-9%	-9%	-7%	-1%	-2%	1%	1%	1%	-1%	-5%	-6%
1933	Critical	-12%	-18%	-10%	-18%	58%	-2%	2%	2%	0%	0%	-4%	-4%
1934	Critical	-9%	-14%	-13%	-5%	11%	-2%	0%	0%	0%	0%	0%	0%
1935	Below Norm	0%	0%	0%	-1%	0%	0%	4%	0%	0%	0%	0%	0%
1936	Below Norm	0%	1%	-1%	-6%	0%	0%	1%	0%	0%	0%	0%	0%
1937	Below Norm	1%	-2%	3%	3%	0%	19%	-3%	-3%	-3%	-3%	-2%	-2%
1938	Wet	-3%	-3%	-3%	1%	0%	0%	0%	-1%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1940	Above Norm	0%	0%	0%	-3%	-1%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	11%	0%	0%	0%	0%	0%	0%	0%	-1%
1942	Wet	-4%	-2%	-2%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%
1944	Dry	1%	1%	1%	1%	38%	0%	-4%	-4%	-4%	-4%	-4%	-4%
1945	Below Norm	-5%	-5%	-5%	-1%	8%	-11%	0%	1%	1%	1%	1%	1%
1946	Below Norm	1%	1%	1%	0%	0%	0%	0%	0%	1%	0%	0%	0%
1947	Dry	0%	0%	0%	0%	0%	20%	6%	6%	6%	6%	6%	6%
1948	Below Norm	6%	7%	7%	4%	5%	2%	-7%	-2%	-2%	-2%	-2%	-2%
1949	Dry	-2%	-2%	-2%	-11%	-11%	-9%	-5%	-6%	-6%	-7%	-8%	-8%
1950	Below Norm	-11%	-13%	-13%	-8%	-5%	7%	2%	2%	2%	2%	2%	2%
1951	Above Norm	2%	2%	2%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Norm	0%	0%	0%	1%	0%	0%	0%	0%	0%	-1%	-3%	0%
1955	Dry	0%	0%	0%	0%	0%	5%	-2%	2%	2%	4%	8%	8%
1956	Wet	14%	19%	19%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norm	0%	0%	0%	1%	0%	0%	3%	4%	2%	2%	2%	2%
1958	Wet	2%	2%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norm	0%	0%	-1%	0%	0%	2%	1%	1%	1%	1%	1%	1%
1960	Dry	1%	1%	1%	1%	1%	4%	22%	6%	0%	2%	-5%	-3%
1961	Dry	13%	15%	36%	61%	-5%	-7%	7%	2%	0%	1%	-1%	0%
1962	Below Norm	4%	4%	11%	17%	19%	-49%	-11%	-4%	-3%	-4%	-3%	-3%
1963	Wet	-6%	-6%	-5%	-2%	0%	0%	0%	0%	0%	-4%	-2%	-1%
1964	Dry	-1%	-1%	-1%	58%	0%	12%	-25%	-9%	-36%	1%	-2%	-1%
1965	Wet	6%	7%	16%	4%	0%	2%	3%	3%	3%	3%	3%	3%
1966	Below Norm	3%	3%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	0%	28%	0%	0%	-2%	-2%	-2%	-2%	-2%	-2%
1968	Below Norm	-2%	-2%	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%
1969	Wet	1%	1%	1%	27%	0%	0%	-1%	0%	-1%	-1%	-1%	-1%
1970	Wet	-2%	-2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	8%	-2%
1972	Below Norm	-3%	-2%	-1%	32%	0%	4%	15%	-3%	-6%	-5%	-7%	-7%
1973	Above Norm	1%	1%	14%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	8%	5%	5%	5%	5%	5%
1977	Critical	6%	6%	6%	3%	4%	1%	-22%	-25%	-27%	-26%	-26%	-27%
1978	Above Norm	-27%	-29%	-27%	123%	-15%	0%	0%	1%	0%	2%	2%	1%
1979	Below Norm	4%	5%	7%	-32%	-6%	-5%	0%	0%	0%	0%	0%	0%
1980	Above Norm	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	1%	1%	1%	0%	0%	0%	1%	1%	1%	1%	1%	1%
1982	Wet	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	-1%	-6%	-3%	4%	-4%	-5%
1986	Wet	-5%	-5%	-6%	-2%	8%	0%	3%	4%	4%	4%	4%	4%
1987	Dry	4%	4%	4%	4%	0%	-4%	-2%	-2%	-2%	-2%	-2%	-2%
1988	Critical	-3%	-3%	-3%	-3%	-5%	-2%	-8%	-8%	-9%	-8%	-8%	-9%
1989	Dry	-11%	-9%	-8%	-8%	-10%	2%	0%	0%	0%	1%	1%	1%
1990	Critical	1%	1%	2%	52%	51%	16%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	0%	-1%	-5%	-13%	3%	3%	3%	3%	3%	3%
1992	Critical	4%	3%	3%	2%	0%	-21%	1%	1%	1%	0%	-2%	-2%
1993	Above Norm	-5%	-7%	-7%	0%	1%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	2%	1%	4%	16%	3%	-2%	0%	-5%	-4%
1995	Wet	10%	11%	31%	48%	0%	-2%	3%	8%	2%	7%	5%	3%
1996	Wet	3%	1%	-16%	0%	0%	0%	0%	1%	0%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	4%	4%	4%	4%	4%	4%
1998	Wet	4%	5%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norm	0%	0%	0%	44%	0%	0%	4%	5%	1%	3%	0%	-2%
2001	Dry	-2%	-2%	-2%	0%	0%	0%	2%	2%	2%	2%	2%	2%
2002	Dry	2%	2%	2%	1%	10%	0%	5%	4%	3%	3%	3%	3%
2003	Above Norm	5%	5%	6%	20%	0%	18%	-6%	-1%	-4%	2%	1%	0%
Average		0%	0%	1%	9%	3%	1%	1%	0%	-1%	0%	-1%	-1%
Wet		1%	1%	2%	4%	0%	0%	0%	1%	0%	0%	1%	0%
Above Norm		-2%	-2%	-1%	32%	-1%	2%	1%	1%	0%	0%	0%	0%
Below Norm		0%	0%	1%	1%	1%	-2%	0%	0%	0%	-1%	0%	0%
Dry		1%	2%	3%	5%	0%	6%	4%	0%	-2%	0%	-1%	0%
Critical		0%	-1%	1%	10%	17%	2%	-1%	-2%	-3%	-3%	-4%	-4%

Difference in Energy Use (GWh) At Pumping Plant at Las Perillas: CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1927	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1932	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1935	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1940	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1945	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1946	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1947	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1948	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1949	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1951	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1961	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1963	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1965	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1966	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Below Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Dry		0	0	0	0	0	0	0	0	0	0	0	0	0
Critical		0	0	0	0	0	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at Las Perillas: CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	21%	4%	0%	0%	0%	0%	0%	0%	0%
1923	Below Norma	-1%	-1%	-1%	0%	0%	0%	-1%	3%	3%	3%	3%	3%
1924	Critical	3%	3%	3%	-4%	-5%	6%	-1%	-1%	-1%	-1%	-1%	-1%
1925	Dry	-1%	-1%	-1%	3%	12%	5%	5%	21%	3%	4%	3%	20%
1926	Dry	15%	9%	-5%	0%	-1%	29%	-1%	-2%	-2%	-2%	-2%	-2%
1927	Wet	-2%	-2%	-2%	2%	5%	0%	0%	0%	0%	0%	0%	0%
1928	Above Norma	0%	0%	0%	54%	10%	16%	-2%	-2%	-2%	-2%	-2%	-2%
1929	Critical	-3%	-3%	-3%	2%	1%	3%	2%	2%	2%	2%	2%	2%
1930	Dry	2%	2%	2%	9%	-30%	4%	22%	-4%	-3%	-4%	-5%	-6%
1931	Critical	15%	26%	14%	-13%	-10%	-9%	-9%	-9%	-9%	-9%	-9%	-9%
1932	Dry	-9%	-9%	-9%	-1%	-2%	-2%	-4%	-12%	-3%	-3%	-2%	-12%
1933	Critical	-9%	-6%	1%	7%	1%	-2%	-4%	-10%	-2%	-2%	-2%	-10%
1934	Critical	-8%	-5%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1935	Below Norma	0%	0%	0%	-2%	0%	0%	7%	0%	0%	0%	0%	0%
1936	Below Norma	0%	0%	0%	-20%	-1%	1%	0%	0%	0%	0%	0%	0%
1937	Below Norma	0%	0%	0%	8%	-1%	39%	-1%	-1%	-1%	-1%	-1%	-1%
1938	Wet	-1%	-1%	-1%	2%	0%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1940	Above Norma	0%	0%	0%	-32%	-2%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	30%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%
1942	Wet	-1%	-1%	-1%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	1%	0%	0%	1%	1%	1%	1%	1%	1%
1944	Dry	1%	1%	1%	1%	41%	-3%	-2%	-2%	-2%	-2%	-2%	-2%
1945	Below Norma	-3%	-3%	-3%	-1%	0%	2%	1%	1%	1%	1%	1%	1%
1946	Below Norma	1%	1%	1%	1%	0%	1%	0%	0%	0%	0%	0%	0%
1947	Dry	0%	0%	0%	0%	-3%	38%	6%	6%	6%	6%	6%	6%
1948	Below Norma	6%	6%	7%	-34%	-5%	-15%	-14%	-2%	-2%	-2%	-2%	-2%
1949	Dry	-1%	-1%	-1%	-15%	-13%	-15%	-8%	-10%	-7%	-8%	-7%	-10%
1950	Below Norma	-9%	-8%	-5%	-6%	3%	29%	2%	2%	2%	2%	2%	2%
1951	Above Norma	2%	2%	2%	1%	-13%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	11%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1954	Above Norma	0%	0%	0%	4%	1%	11%	0%	0%	0%	0%	0%	0%
1955	Dry	0%	0%	0%	2%	2%	3%	7%	14%	5%	5%	5%	14%
1956	Wet	12%	8%	1%	-1%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norma	0%	0%	0%	3%	1%	3%	2%	2%	2%	2%	2%	2%
1958	Wet	2%	2%	2%	2%	-1%	-1%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	0%	0%	1%	0%	1%	1%	1%	1%	1%	1%
1960	Dry	1%	1%	1%	-10%	9%	2%	24%	-3%	-1%	-3%	-4%	-5%
1961	Dry	19%	29%	18%	-11%	-55%	-7%	7%	-1%	0%	-1%	-1%	-1%
1962	Below Norma	6%	9%	6%	-35%	-31%	-46%	-6%	-6%	-7%	-7%	-7%	-7%
1963	Wet	-7%	-6%	-6%	1%	-2%	7%	-1%	-1%	-1%	-1%	-1%	-1%
1964	Dry	-1%	-1%	-1%	102%	0%	36%	9%	-3%	-2%	-3%	-4%	-4%
1965	Wet	7%	10%	6%	0%	-1%	2%	2%	2%	2%	2%	2%	2%
1966	Below Norma	3%	3%	3%	-1%	0%	0%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	0%	36%	-13%	-1%	-1%	-6%	-1%	-1%	-1%	-1%
1968	Below Norma	-1%	-1%	-1%	0%	0%	1%	1%	1%	1%	1%	1%	1%
1969	Wet	1%	1%	1%	32%	-1%	-1%	-1%	2%	-1%	-1%	-1%	-1%
1970	Wet	-1%	-1%	-1%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1972	Below Norma	0%	0%	0%	54%	1%	8%	10%	-5%	-4%	-5%	-6%	-7%
1973	Above Norma	7%	13%	6%	0%	1%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	1%	2%	3%	5%	5%	5%	5%	5%	5%
1977	Critical	6%	6%	6%	-24%	-27%	-42%	-32%	-31%	-31%	-31%	-31%	-31%
1978	Above Norma	-31%	-31%	-31%	-7%	-27%	-8%	-1%	-3%	2%	2%	2%	2%
1979	Below Norma	2%	2%	2%	-11%	3%	1%	1%	1%	1%	1%	1%	1%
1980	Above Norma	1%	1%	1%	6%	2%	0%	1%	1%	1%	1%	1%	1%
1981	Dry	1%	1%	1%	1%	0%	0%	1%	1%	1%	1%	1%	1%
1982	Wet	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	1%	-1%	-3%	-3%	-3%	-3%	-3%	-3%
1986	Wet	-3%	-3%	-4%	7%	5%	1%	3%	4%	4%	4%	4%	4%
1987	Dry	4%	4%	4%	6%	-3%	-5%	-3%	-3%	-2%	-2%	-3%	-3%
1988	Critical	-3%	-3%	-3%	-17%	-16%	-6%	-9%	-9%	-9%	-9%	-9%	-9%
1989	Dry	-9%	-9%	-9%	-2%	-7%	-4%	1%	1%	1%	1%	1%	1%
1990	Critical	1%	1%	1%	-17%	10%	4%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	0%	-30%	-30%	-30%	4%	4%	4%	4%	4%	4%
1992	Critical	5%	5%	5%	-10%	-8%	-35%	-2%	-5%	-1%	-1%	-1%	-5%
1993	Above Norma	-3%	-2%	1%	9%	2%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	5%	5%	3%	18%	-4%	-3%	-4%	-6%	-7%
1995	Wet	14%	22%	14%	-8%	0%	-11%	0%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	-12%	-3%	0%	0%	1%	0%	0%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	0%	2%	4%	4%	4%	4%	4%	4%
1998	Wet	4%	4%	4%	-2%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norma	0%	0%	0%	59%	-3%	-8%	-1%	-1%	-1%	-1%	-1%	-1%
2001	Dry	-1%	-1%	-1%	0%	-4%	0%	2%	2%	2%	2%	2%	2%
2002	Dry	2%	2%	2%	0%	8%	0%	6%	4%	4%	4%	4%	3%
2003	Above Norma	6%	6%	6%	16%	-2%	18%	-5%	-1%	-1%	-1%	-1%	-1%
Average		1%	1%	0%	2%	-2%	0%	1%	-1%	-1%	-1%	-1%	-1%
Wet		1%	1%	0%	4%	0%	0%	1%	0%	0%	0%	0%	0%
Above Norma		-2%	-1%	-1%	11%	-2%	3%	-1%	0%	0%	0%	0%	0%
Below Norma		0%	1%	1%	-3%	-2%	2%	0%	0%	0%	0%	0%	-1%
Dry		1%	1%	0%	5%	-2%	5%	4%	0%	0%	0%	-1%	0%
Critical		1%	2%	2%	-8%	-6%	-9%	-2%	-5%	-4%	-4%	-4%	-5%

Difference in Energy Use (GWh) At Pumping Plant at Oso: CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	1	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	0	0	0	2	2	0
1924	Critical	1	1	1	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	-6	0	0	1	1	1	1	2	2	0
1926	Dry	3	3	2	0	0	5	-1	1	-1	-1	-1	-1	1
1927	Wet	-1	-1	-1	0	1	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	5	0	1	4	1	-1	-1	-1	-1	1
1929	Critical	-1	-1	-1	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	0	-2	0	1	0	0	-2	-1	-1	0
1931	Critical	1	1	4	2	2	1	-1	-1	-1	-1	-1	-1	1
1932	Dry	0	0	0	0	0	0	0	0	0	0	-1	-1	0
1933	Critical	-1	-2	0	-1	11	0	0	0	0	0	-2	-2	0
1934	Critical	-2	-2	-1	0	2	0	0	0	0	0	0	0	0
1935	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	0	1	0	0	0	-1	-1	-1	-1	-1	-1	0
1938	Wet	-1	-1	-1	0	0	0	0	-1	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1940	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	3	1	0	0	0	1	0	0	-1	0
1942	Wet	-1	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	7	0	-1	-1	-1	-1	-1	-1	0
1945	Below Norma	-1	-1	-1	0	3	-4	0	0	0	0	0	0	0
1946	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1947	Dry	0	0	0	0	0	5	1	1	1	1	1	1	1
1948	Below Norma	1	1	1	0	0	0	-1	0	0	0	0	0	0
1949	Dry	0	0	0	0	0	0	-1	-1	-1	-1	-2	-2	-1
1950	Below Norma	-2	-2	-1	0	0	-2	0	0	0	0	0	0	0
1951	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	-1	-1	0	0
1955	Dry	0	0	0	0	0	1	0	1	1	1	2	2	1
1956	Wet	2	2	1	0	0	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	1	1	0	0	0	0	0
1958	Wet	0	0	0	0	1	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	-1	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	2	1	0	-2	-2	-1	0
1961	Dry	2	2	6	3	-8	2	1	0	0	0	0	0	1
1962	Below Norma	1	1	2	0	1	-4	-5	-1	-1	-1	-1	-1	-1
1963	Wet	-1	-1	-1	-1	0	0	0	0	-1	-1	0	0	-1
1964	Dry	0	0	0	7	0	5	4	-1	-1	-1	-1	0	1
1965	Wet	1	1	2	2	0	0	0	0	0	0	0	0	1
1966	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	3	1	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	3	1	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	3	-2	0
1972	Below Norma	-1	0	0	5	0	3	2	-1	-1	-2	-2	-1	0
1973	Above Norma	0	0	2	-2	-2	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	2	1	1	1	1	1	1
1977	Critical	1	1	1	0	0	0	-1	-1	-1	-2	-1	-1	0
1978	Above Norma	0	0	0	4	-3	0	0	1	1	1	1	1	1
1979	Below Norma	2	3	4	-2	-2	-1	0	0	0	0	0	0	0
1980	Above Norma	0	0	0	1	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	-1	-1	-1	-1	-1	0
1986	Wet	-1	-1	-1	0	3	0	0	1	1	1	1	1	0
1987	Dry	1	1	1	1	0	-1	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	-2	0	-1	-1	-1	-1	-1	-1	-1
1989	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	1	1	0	1	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	-2	0	0	0	0	-1	-1	0
1993	Above Norma	-1	-1	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	1	1	0	0	-2	-1	-1	0
1995	Wet	1	1	4	2	0	0	1	4	1	3	3	1	2
1996	Wet	1	0	-9	2	2	0	0	1	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	1	1	1	1	1	1	0
1998	Wet	1	1	1	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	4	0	0	1	2	2	1	0	0	1
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	2	0	1	1	1	0	0	1	0
2003	Above Norma	1	1	1	3	0	3	-1	0	0	0	0	0	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	1	0	0	0	0	0	0	0	0	0
Above Norma		0	0	0	1	0	0	0	0	0	0	0	0	0
Below Norma		0	0	0	0	0	-1	0	0	0	0	0	0	0
Dry		0	0	0	0	0	1	1	0	0	0	0	0	0
Critical		0	0	0	0	1	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at Oso: CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norm	0%	0%	0%	103%	3%	0%	-1%	-1%	-1%	-1%	-1%	-1%
1923	Below Norm	-1%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%	9%	8%
1924	Critical	4%	4%	4%	1%	2%	1%	-1%	-1%	-1%	-1%	-1%	-1%
1925	Dry	0%	0%	0%	-27%	0%	0%	11%	5%	4%	3%	19%	20%
1926	Dry	57%	100%	1758%	10%	0%	63%	-5%	4%	-3%	-3%	-3%	-3%
1927	Wet	-3%	-3%	-4%	0%	4%	0%	0%	0%	0%	0%	0%	0%
1928	Above Norm	0%	0%	0%	29%	0%	3%	18%	5%	-4%	-4%	-4%	-4%
1929	Critical	-5%	-5%	-6%	1%	1%	1%	2%	2%	2%	2%	2%	2%
1930	Dry	6%	1%	0%	0%	-22%	1%	11%	1%	-2%	-7%	-6%	-3%
1931	Critical	9%	12%	76%	68%	88%	22%	-6%	-7%	-8%	-8%	-8%	-8%
1932	Dry	-21%	-4%	0%	0%	0%	1%	-3%	-3%	-3%	-2%	-9%	-10%
1933	Critical	-28%	-51%	0%	-34%	88%	-2%	-3%	-3%	-3%	-2%	-9%	-10%
1934	Critical	-20%	-26%	-45%	-3%	19%	-3%	0%	0%	0%	0%	0%	0%
1935	Below Norm	0%	0%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%	0%
1936	Below Norm	0%	0%	0%	-8%	0%	0%	1%	0%	0%	0%	1%	1%
1937	Below Norm	1%	1%	4%	4%	0%	0%	-3%	-3%	-3%	-3%	-3%	-3%
1938	Wet	-3%	-3%	-4%	1%	0%	0%	0%	-3%	0%	0%	0%	0%
1939	Dry	0%	0%	1%	0%	-1%	1%	0%	0%	0%	0%	0%	0%
1940	Above Norm	0%	0%	0%	-5%	-1%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	19%	4%	0%	0%	0%	3%	0%	0%	-4%
1942	Wet	-3%	-2%	-2%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%
1944	Dry	1%	1%	1%	1%	46%	2%	-4%	-4%	-4%	-4%	-4%	-4%
1945	Below Norm	-5%	-5%	-5%	-1%	16%	-19%	0%	1%	1%	1%	1%	1%
1946	Below Norm	1%	1%	1%	1%	0%	0%	0%	0%	1%	0%	0%	0%
1947	Dry	0%	0%	0%	0%	-3%	37%	6%	6%	6%	6%	6%	6%
1948	Below Norm	7%	7%	8%	0%	5%	2%	-9%	-2%	-2%	-2%	-2%	-2%
1949	Dry	-2%	-2%	-2%	-5%	-2%	-1%	-6%	-7%	-8%	-7%	-10%	-11%
1950	Below Norm	-16%	-19%	-29%	-6%	-3%	-9%	2%	2%	2%	2%	2%	2%
1951	Above Norm	2%	2%	2%	2%	0%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%
1954	Above Norm	0%	0%	0%	2%	0%	0%	0%	0%	1%	-2%	-2%	0%
1955	Dry	0%	0%	0%	1%	0%	8%	4%	6%	6%	6%	14%	15%
1956	Wet	29%	39%	84%	0%	-1%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norm	0%	0%	0%	1%	0%	0%	3%	4%	2%	2%	2%	2%
1958	Wet	3%	3%	3%	0%	4%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norm	0%	0%	-2%	0%	1%	1%	1%	1%	1%	1%	1%	1%
1960	Dry	1%	1%	1%	0%	1%	6%	11%	3%	-1%	-9%	-8%	-4%
1961	Dry	12%	15%	67%	48%	-53%	9%	4%	1%	0%	-2%	-2%	0%
1962	Below Norm	4%	5%	20%	9%	21%	-22%	-20%	-4%	-4%	-5%	-5%	-5%
1963	Wet	-7%	-7%	-7%	-5%	0%	0%	0%	-2%	-2%	-3%	-2%	-1%
1964	Dry	-1%	-1%	-1%	53%	0%	20%	-23%	-4%	-5%	-4%	-4%	-1%
1965	Wet	6%	8%	27%	13%	1%	1%	3%	3%	3%	2%	3%	3%
1966	Below Norm	3%	3%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	0%	22%	3%	0%	-1%	-2%	-2%	-2%	-2%	-2%
1968	Below Norm	-2%	-1%	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%
1969	Wet	1%	1%	1%	21%	3%	0%	-1%	-1%	-1%	-1%	-1%	-1%
1970	Wet	-2%	-2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	14%	-6%
1972	Below Norm	-3%	-2%	-1%	32%	1%	10%	11%	-3%	-6%	-9%	-9%	-6%
1973	Above Norm	0%	1%	33%	-8%	-9%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	8%	5%	5%	5%	5%	5%
1977	Critical	7%	7%	7%	1%	4%	1%	-16%	-20%	-25%	-25%	-24%	-24%
1978	Above Norm	-2%	-8%	0%	19%	-11%	0%	1%	3%	4%	4%	4%	3%
1979	Below Norm	10%	12%	19%	-31%	-8%	-5%	0%	0%	0%	0%	0%	0%
1980	Above Norm	0%	0%	0%	3%	0%	0%	0%	1%	1%	1%	1%	1%
1981	Dry	1%	1%	1%	1%	0%	0%	1%	1%	1%	1%	1%	1%
1982	Wet	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	0%	-6%	-3%	-3%	-5%	-5%
1986	Wet	-6%	-6%	-6%	-2%	24%	0%	3%	4%	4%	4%	4%	4%
1987	Dry	4%	5%	5%	5%	0%	-3%	-2%	-2%	-2%	-2%	-2%	-2%
1988	Critical	-3%	-3%	-3%	-5%	-16%	-1%	-6%	-7%	-8%	-8%	-8%	-8%
1989	Dry	-27%	-4%	0%	0%	0%	4%	1%	1%	1%	1%	1%	2%
1990	Critical	2%	3%	5%	21%	29%	6%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	0%	0%	0%	-17%	2%	3%	3%	3%	3%	3%
1992	Critical	12%	1%	0%	0%	0%	-26%	-1%	-1%	-1%	-1%	-4%	-5%
1993	Above Norm	-11%	-17%	-63%	3%	1%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	1%	2%	4%	8%	2%	-2%	-9%	-8%	-4%
1995	Wet	8%	11%	55%	43%	0%	0%	3%	17%	4%	14%	11%	6%
1996	Wet	3%	1%	-34%	10%	7%	0%	-2%	3%	0%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	3%	4%	4%	4%	4%	4%
1998	Wet	5%	5%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norm	0%	0%	0%	33%	0%	0%	5%	10%	8%	6%	0%	-2%
2001	Dry	-2%	-2%	-2%	0%	-4%	0%	2%	2%	2%	2%	2%	2%
2002	Dry	2%	2%	3%	1%	10%	0%	4%	3%	3%	2%	2%	3%
2003	Above Norm	5%	6%	9%	18%	1%	16%	-5%	-2%	-2%	-2%	-1%	0%
Average		0%	1%	24%	6%	3%	1%	1%	0%	0%	-1%	0%	-1%
Wet		1%	2%	5%	5%	2%	0%	0%	1%	0%	1%	1%	0%
Above Norm		0%	-1%	-2%	17%	-1%	2%	2%	2%	1%	0%	0%	0%
Below Norm		0%	0%	1%	0%	2%	-3%	-1%	0%	-1%	-1%	0%	0%
Dry		2%	6%	102%	5%	-1%	8%	3%	0%	0%	-1%	0%	0%
Critical		-2%	-5%	3%	4%	18%	-1%	-1%	-2%	-3%	-4%	-4%	-4%

Difference in Energy Use (GWh) At Pumping Plant at Pearblossom: CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norm	0	0	0	6	2	0	-1	-1	0	-1	-1	-1	0
1923	Below Norm	-1	-1	-1	0	0	0	0	0	0	0	0	10	1
1924	Critical	2	2	2	3	3	1	0	0	0	0	0	0	1
1925	Dry	0	0	0	0	1	2	-4	-5	-5	-1	2	2	-1
1926	Dry	4	6	5	1	-21	21	1	-3	-3	-3	-3	-3	0
1927	Wet	-3	-3	-3	0	-2	0	0	0	0	0	0	0	-1
1928	Above Norm	0	0	0	9	0	0	15	2	-3	-4	-4	-4	1
1929	Critical	-4	-4	-3	1	1	0	1	1	1	1	1	1	0
1930	Dry	1	0	0	0	0	-1	11	2	-2	4	-3	-4	1
1931	Critical	5	5	10	18	16	6	-4	-5	-6	-4	-4	-4	3
1932	Dry	-2	-2	-1	0	-1	-1	2	2	2	0	-2	-2	-1
1933	Critical	-3	-4	-3	-1	0	-1	2	3	3	1	0	-1	0
1934	Critical	-2	-4	-3	-1	-1	0	0	0	0	0	0	0	-1
1935	Below Norm	0	0	0	0	0	0	5	0	0	0	0	0	0
1936	Below Norm	0	1	-1	0	0	1	0	0	0	0	0	0	0
1937	Below Norm	1	-4	0	0	0	22	-3	-3	-2	-3	-2	-2	0
1938	Wet	-3	-3	-3	0	0	0	0	0	0	0	0	0	-1
1939	Dry	0	0	0	0	0	1	0	0	0	0	0	0	0
1940	Above Norm	0	0	0	-1	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	5	-2	0	0	0	-1	0	0	0	0
1942	Wet	-5	-2	-2	0	0	0	0	0	0	0	0	0	-1
1943	Wet	0	0	0	0	0	0	1	1	1	1	1	1	0
1944	Dry	1	1	1	0	20	0	-4	-4	-4	-4	-4	-4	0
1945	Below Norm	-4	-4	-4	0	1	-8	0	1	1	1	1	1	-1
1946	Below Norm	1	0	0	-1	0	0	0	0	1	0	0	0	0
1947	Dry	0	0	0	0	0	0	4	5	4	5	5	4	2
1948	Below Norm	4	4	4	2	2	0	-2	-2	-2	-2	-2	-2	1
1949	Dry	-2	-2	-2	-7	-7	-3	-2	-3	-3	-3	-5	-5	-3
1950	Below Norm	-4	-5	-4	-1	-1	11	1	1	1	1	1	1	0
1951	Above Norm	1	1	1	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norm	0	0	0	0	0	0	0	0	0	0	-4	0	0
1955	Dry	0	0	0	0	0	1	-3	-1	-1	1	2	3	0
1956	Wet	3	5	4	0	0	0	0	0	0	0	0	0	1
1957	Above Norm	0	0	0	0	0	0	3	3	1	1	1	1	1
1958	Wet	1	1	1	0	-2	0	0	0	0	0	0	0	0
1959	Below Norm	0	0	0	0	-1	2	1	1	1	1	1	1	0
1960	Dry	1	1	1	0	1	1	16	4	-1	7	-3	-4	2
1961	Dry	8	8	14	21	17	-13	4	1	0	2	0	-1	5
1962	Below Norm	2	2	4	6	5	-50	-4	-3	-1	-2	-2	-2	-4
1963	Wet	-5	-4	-3	0	0	0	0	0	2	-4	-3	-1	-2
1964	Dry	-1	-1	-1	32	0	5	16	-9	-39	3	-1	-1	0
1965	Wet	4	3	6	1	0	1	2	2	2	2	2	2	2
1966	Below Norm	2	2	2	0	0	0	0	0	0	0	0	0	1
1967	Wet	0	0	0	20	-2	0	-2	-2	-2	-2	-2	-2	1
1968	Below Norm	-2	-2	0	0	0	0	1	1	1	1	1	1	0
1969	Wet	1	1	1	17	-2	0	-1	0	-1	-1	-1	-1	1
1970	Wet	-1	-1	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	4	0	0
1972	Below Norm	-2	-1	-1	20	-1	0	9	-2	-4	-1	-5	-6	0
1973	Above Norm	0	0	3	7	5	0	0	0	0	0	0	0	1
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	6	3	3	3	3	3	2
1977	Critical	3	3	3	2	2	0	-5	-6	-7	-5	-5	-5	-2
1978	Above Norm	-3	-2	-2	57	-11	0	0	0	-3	0	0	0	3
1979	Below Norm	0	0	0	-10	-4	-4	0	0	0	0	0	0	-1
1980	Above Norm	0	0	0	0	0	0	-1	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	1	1	1	1	1	1	0
1982	Wet	1	1	1	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	-1	-5	-3	7	-2	-4	-1
1986	Wet	-4	-4	-4	-2	0	0	2	3	3	3	3	3	0
1987	Dry	3	2	2	3	0	-3	-2	-2	-2	-2	-2	-2	0
1988	Critical	-2	-2	-1	-1	0	-1	-3	-5	-5	-4	-4	-4	-2
1989	Dry	-2	-1	-1	0	-1	0	0	0	-1	0	0	0	-1
1990	Critical	0	0	0	4	4	2	0	0	0	0	0	0	1
1991	Critical	0	0	0	0	0	0	1	1	2	1	1	1	1
1992	Critical	1	0	0	0	0	0	1	1	1	0	-1	-1	0
1993	Above Norm	-1	-2	-1	0	1	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	2	0	3	10	1	-2	3	-3	-4	1
1995	Wet	5	5	9	17	0	0	3	3	0	2	1	1	4
1996	Wet	3	0	-3	-5	-4	0	0	0	0	0	0	0	-1
1997	Wet	0	0	0	0	0	0	2	2	2	2	2	2	1
1998	Wet	2	2	2	0	0	0	0	0	0	0	0	0	1
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norm	0	0	0	26	0	0	3	3	-2	2	0	-2	3
2001	Dry	-2	-2	-2	0	0	0	1	1	1	1	1	1	0
2002	Dry	1	1	1	0	6	0	4	3	2	3	2	2	2
2003	Above Norm	3	3	3	15	0	13	-5	-1	-5	3	2	0	3
Average		0	0	0	3	0	0	1	0	-1	0	0	0	0
Wet		0	0	0	2	-1	0	0	0	0	0	0	0	0
Above Norm		0	0	0	10	0	1	1	1	-1	0	0	0	1
Below Norm		0	0	0	1	0	-2	1	0	0	0	0	0	0
Dry		0	1	1	3	1	1	3	-1	-3	1	-1	-1	0
Critical		0	0	0	2	2	1	1	0	-1	0	-1	-1	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at Pearblossom: CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	286%	3%	0%	-1%	-1%	0%	-1%	-1%	-1%
1923	Below Norma	-1%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	13%
1924	Critical	3%	3%	3%	6%	6%	6%	-1%	-1%	-1%	-1%	-1%	-1%
1925	Dry	-1%	-1%	-1%	0%	2%	38%	-8%	-8%	-8%	-2%	3%	3%
1926	Dry	10%	19%	17%	12%	-34%	45%	1%	-3%	-3%	-3%	-3%	-3%
1927	Wet	-4%	-4%	-4%	1%	-3%	0%	0%	0%	0%	0%	0%	0%
1928	Above Norma	0%	0%	0%	11%	-1%	0%	20%	3%	-5%	-5%	-5%	-5%
1929	Critical	-5%	-5%	-5%	1%	1%	1%	2%	2%	2%	2%	2%	2%
1930	Dry	2%	3%	2%	3%	2%	-1%	24%	3%	-2%	6%	-3%	-5%
1931	Critical	9%	8%	21%	128%	108%	73%	-8%	-9%	-9%	-8%	-9%	-9%
1932	Dry	-9%	-9%	-9%	-7%	-2%	-14%	4%	4%	3%	0%	-3%	-4%
1933	Critical	-7%	-12%	-11%	-6%	-2%	-1%	6%	5%	2%	-1%	-1%	-1%
1934	Critical	-5%	-8%	-8%	-6%	-4%	-2%	0%	0%	0%	0%	0%	0%
1935	Below Norma	0%	0%	0%	0%	0%	0%	7%	0%	0%	0%	0%	0%
1936	Below Norma	0%	2%	-2%	-2%	-1%	1%	0%	0%	0%	0%	0%	0%
1937	Below Norma	1%	-5%	0%	1%	0%	38%	-3%	-3%	-3%	-2%	-2%	-2%
1938	Wet	-3%	-3%	-3%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1940	Above Norma	0%	0%	0%	-2%	-2%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	6%	-2%	0%	0%	0%	-2%	0%	0%	0%
1942	Wet	-5%	-2%	-2%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%
1944	Dry	1%	1%	1%	1%	30%	0%	-4%	-5%	-5%	-5%	-5%	-5%
1945	Below Norma	-5%	-5%	-5%	-1%	1%	-8%	0%	1%	1%	1%	1%	1%
1946	Below Norma	1%	1%	1%	-1%	0%	0%	0%	2%	0%	0%	0%	0%
1947	Dry	0%	0%	0%	0%	0%	0%	6%	6%	6%	6%	6%	6%
1948	Below Norma	6%	6%	6%	6%	6%	3%	-4%	-2%	-2%	-2%	-2%	-2%
1949	Dry	-2%	-2%	-2%	-14%	-14%	-14%	-4%	-5%	-5%	-6%	-7%	-7%
1950	Below Norma	-9%	-10%	-10%	-9%	-5%	59%	2%	2%	2%	2%	2%	2%
1951	Above Norma	2%	2%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-4%	0%
1955	Dry	0%	0%	0%	0%	0%	3%	-8%	-1%	-1%	2%	4%	4%
1956	Wet	8%	12%	11%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norma	0%	0%	0%	0%	0%	0%	3%	5%	2%	2%	2%	2%
1958	Wet	2%	2%	2%	0%	-3%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	0%	0%	-1%	2%	1%	1%	1%	1%	1%	1%
1960	Dry	1%	1%	1%	1%	1%	3%	29%	6%	-1%	10%	-4%	-6%
1961	Dry	12%	13%	24%	81%	62%	-34%	8%	2%	0%	3%	-1%	-1%
1962	Below Norma	4%	4%	8%	26%	23%	-66%	-5%	-3%	-2%	-3%	-2%	-2%
1963	Wet	-5%	-5%	-3%	0%	0%	0%	0%	2%	2%	-4%	-3%	-1%
1964	Dry	-1%	-1%	-1%	54%	0%	5%	-29%	-15%	-63%	5%	-1%	-2%
1965	Wet	6%	6%	11%	1%	-1%	2%	3%	3%	3%	3%	3%	3%
1966	Below Norma	3%	3%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	0%	29%	-2%	0%	-2%	-2%	-2%	-2%	-2%	-2%
1968	Below Norma	-2%	-2%	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%
1969	Wet	1%	1%	1%	28%	-2%	0%	-1%	0%	-2%	-2%	-2%	-2%
1970	Wet	-2%	-2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	4%	0%
1972	Below Norma	-3%	-2%	-1%	29%	-1%	0%	19%	-4%	-7%	-2%	-8%	-9%
1973	Above Norma	0%	0%	7%	9%	6%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	8%	6%	6%	6%	6%	6%
1977	Critical	6%	6%	6%	5%	4%	1%	-28%	-29%	-28%	-27%	-27%	-28%
1978	Above Norma	-29%	-32%	-29%	1398%	-16%	0%	0%	0%	-3%	0%	0%	0%
1979	Below Norma	0%	0%	0%	-34%	-5%	-5%	0%	0%	0%	0%	0%	0%
1980	Above Norma	0%	0%	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%
1982	Wet	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	-1%	-6%	-4%	12%	-4%	-5%
1986	Wet	-5%	-5%	-5%	-3%	0%	0%	3%	4%	4%	4%	4%	4%
1987	Dry	4%	4%	4%	3%	0%	-4%	-2%	-3%	-3%	-2%	-2%	-3%
1988	Critical	-3%	-3%	-3%	-3%	0%	-3%	-8%	-9%	-9%	-9%	-9%	-9%
1989	Dry	-9%	-9%	-8%	-8%	-11%	-5%	0%	0%	-1%	0%	0%	0%
1990	Critical	0%	0%	0%	93%	73%	36%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	0%	-2%	-5%	-10%	3%	3%	3%	3%	3%	3%
1992	Critical	3%	3%	3%	1%	0%	0%	2%	2%	2%	0%	-1%	-1%
1993	Above Norma	-3%	-5%	-4%	-2%	1%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	2%	0%	4%	21%	3%	-4%	6%	-5%	-6%
1995	Wet	10%	10%	22%	59%	0%	0%	3%	3%	0%	2%	2%	1%
1996	Wet	3%	0%	-3%	-5%	-5%	0%	1%	0%	0%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	4%	4%	4%	4%	4%	4%
1998	Wet	4%	4%	4%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norma	0%	0%	0%	47%	0%	0%	3%	3%	-2%	2%	1%	-2%
2001	Dry	-2%	-2%	-2%	0%	1%	0%	2%	2%	2%	2%	2%	2%
2002	Dry	2%	2%	2%	1%	10%	0%	6%	4%	3%	4%	3%	3%
2003	Above Norma	4%	5%	5%	20%	0%	19%	-6%	-1%	-6%	13%	30%	0%
Average		0%	0%	1%	27%	3%	2%	2%	0%	-2%	0%	0%	-1%
Wet		0%	1%	1%	4%	-1%	0%	0%	0%	0%	0%	0%	0%
Above Norma		-2%	-3%	-2%	147%	-1%	2%	2%	1%	-1%	1%	2%	0%
Below Norma		0%	-1%	0%	1%	1%	2%	1%	0%	-1%	0%	-1%	0%
Dry		0%	1%	2%	7%	3%	1%	5%	-1%	-4%	2%	-1%	-1%
Critical		0%	-1%	1%	18%	15%	9%	0%	-2%	-3%	-2%	-3%	-4%

Difference in Energy Use (GWh) At Pumping Plant at South Bay: CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	1	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	1	1	0	0	1	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	0	0	0	0	0	0	1	1	1	0
1926	Dry	0	0	1	1	0	1	-1	-1	0	0	0	-1	0
1927	Wet	-1	0	0	0	0	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	5	1	1	-1	-1	-1	-1	-1	-1	0
1929	Critical	-1	-1	-1	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	0	0	0	3	3	2	-4	1	2	1
1931	Critical	1	2	2	-3	-3	-1	0	0	0	-1	-1	-1	0
1932	Dry	0	0	0	-1	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	-1	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	-1	0	0	0	0	0	0	0	0	0	0
1935	Below Norma	0	0	0	0	0	0	-4	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	0	0	0	0	0	1	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1940	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	4	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	4	-1	-1	-1	-1	-1	-1	-1	0
1945	Below Norma	-1	-1	0	0	5	0	0	0	0	0	0	0	0
1946	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1947	Dry	0	0	0	0	0	0	1	1	1	1	1	1	0
1948	Below Norma	1	1	1	0	0	0	-1	0	0	0	0	0	0
1949	Dry	0	0	0	0	0	0	0	0	-1	-1	-1	-1	0
1950	Below Norma	0	-1	0	-1	-1	0	0	0	0	0	0	0	0
1951	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	1	1	1	1	0
1956	Wet	0	0	1	0	0	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	4	4	3	1	1	2	1
1961	Dry	2	3	2	-4	-17	12	1	1	1	0	0	1	0
1962	Below Norma	0	1	1	-1	-1	1	-4	-1	-1	-1	-1	-1	-1
1963	Wet	0	0	0	0	0	1	1	0	0	0	0	0	0
1964	Dry	0	0	0	8	0	3	1	1	1	0	0	0	1
1965	Wet	0	0	0	-2	0	0	0	0	0	0	0	0	0
1966	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	3	-6	0	2	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	3	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	5	0	0	1	1	1	0	0	0	1
1973	Above Norma	0	1	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	1	0	-1	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	1	1	1	1	1	1	0
1977	Critical	1	1	0	0	0	0	0	0	-1	-1	-1	-1	0
1978	Above Norma	0	0	0	-2	-3	-1	0	-1	0	1	1	0	0
1979	Below Norma	1	1	1	0	0	0	0	0	0	0	0	0	0
1980	Above Norma	0	0	0	1	-7	0	3	0	0	0	0	0	0
1981	Dry	0	0	0	0	-1	0	1	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	-1	-1	-1	-1	-1	0
1986	Wet	-1	0	0	0	5	0	0	0	1	1	1	1	0
1987	Dry	1	0	0	1	0	-1	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	-1	-1	-1	-1	0
1989	Dry	0	0	0	-1	-1	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	3	3	2	1	1	1	1
1995	Wet	1	2	1	-3	-2	-1	-1	1	1	1	1	1	0
1996	Wet	1	1	-8	0	3	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	1	0	0	1	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	-1	1	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	5	-1	0	0	-1	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	1	0	1	1	1	1	1	1	0
2003	Above Norma	1	1	1	2	-1	1	-1	0	0	0	0	0	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norma		0	0	0	1	-1	0	0	0	0	0	0	0	0
Below Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Dry		0	0	0	0	-1	1	1	1	0	0	0	0	0
Critical		0	0	0	0	0	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at South Bay: CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	151%	3%	0%	-1%	-1%	-1%	-1%	-1%	-1%
1923	Below Norma	-2%	-1%	-1%	0%	0%	0%	0%	3%	3%	3%	3%	3%
1924	Critical	7%	5%	3%	1%	-2%	1%	0%	-1%	-1%	-1%	-1%	-1%
1925	Dry	-1%	-1%	-1%	-1%	5%	68%	0%	3%	6%	8%	8%	7%
1926	Dry	-12%	-29%	30%	17%	0%	18%	-9%	-3%	-3%	-2%	-2%	-3%
1927	Wet	-7%	-5%	-4%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1928	Above Norma	-1%	0%	0%	95%	7%	7%	-4%	-5%	-4%	-4%	-4%	-5%
1929	Critical	-12%	-8%	-6%	2%	1%	1%	1%	2%	2%	2%	2%	2%
1930	Dry	2%	2%	30%	3%	0%	2%	45%	39%	23%	-20%	7%	13%
1931	Critical	40%	53%	22%	-49%	-41%	-10%	-4%	-8%	-8%	-8%	-8%	-8%
1932	Dry	-9%	-9%	-9%	-42%	0%	1%	-3%	-3%	-4%	-5%	-5%	-4%
1933	Critical	6%	14%	-20%	-9%	0%	0%	-2%	-3%	-3%	-4%	-4%	-3%
1934	Critical	10%	18%	-11%	-8%	0%	10%	0%	0%	0%	0%	0%	0%
1935	Below Norma	0%	-6%	0%	0%	0%	0%	-21%	-1%	0%	0%	0%	0%
1936	Below Norma	-2%	-1%	-1%	-11%	-1%	0%	0%	0%	0%	1%	1%	0%
1937	Below Norma	1%	0%	0%	5%	-1%	0%	8%	-2%	-1%	-1%	-1%	-2%
1938	Wet	-4%	-3%	-2%	2%	0%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1940	Above Norma	1%	1%	0%	-6%	0%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	57%	-2%	0%	-2%	-2%	-2%	-2%	-2%	-2%
1942	Wet	-4%	-3%	-3%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	1%	1%	1%	1%	1%
1944	Dry	2%	1%	1%	1%	83%	-3%	-3%	-4%	-3%	-3%	-3%	-4%
1945	Below Norma	-7%	-6%	-4%	-1%	34%	3%	1%	1%	1%	1%	1%	1%
1946	Below Norma	1%	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1947	Dry	-1%	0%	0%	0%	1%	0%	6%	6%	6%	6%	6%	6%
1948	Below Norma	14%	9%	6%	-4%	-2%	-2%	-6%	-2%	-2%	-2%	-2%	-2%
1949	Dry	-3%	-3%	-2%	-8%	-10%	-3%	-4%	-7%	-7%	-8%	-8%	-8%
1950	Below Norma	-4%	-57%	-8%	-10%	-8%	0%	2%	2%	2%	2%	2%	2%
1951	Above Norma	4%	3%	2%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Norma	0%	0%	0%	3%	1%	0%	0%	0%	0%	0%	0%	0%
1955	Dry	-1%	-1%	0%	1%	2%	0%	2%	6%	7%	8%	7%	7%
1956	Wet	-6%	42%	0%	3%	0%	0%	-1%	-1%	-1%	-1%	-1%	-1%
1957	Above Norma	-1%	-1%	-1%	3%	1%	2%	2%	2%	2%	2%	2%	2%
1958	Wet	6%	4%	2%	0%	1%	-1%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%	1%
1960	Dry	3%	2%	1%	-2%	5%	0%	29%	39%	24%	10%	8%	15%
1961	Dry	40%	52%	27%	-80%	-88%	156%	12%	7%	3%	2%	4%	4%
1962	Below Norma	12%	15%	7%	-24%	-25%	3%	-22%	-3%	-4%	-4%	-5%	-3%
1963	Wet	-5%	-4%	-3%	0%	-3%	4%	4%	-1%	-1%	-1%	-1%	-1%
1964	Dry	-2%	-1%	-1%	490%	-4%	17%	7%	9%	6%	1%	0%	1%
1965	Wet	1%	9%	3%	-13%	0%	0%	2%	2%	2%	2%	2%	2%
1966	Below Norma	7%	4%	3%	-1%	0%	0%	0%	0%	0%	0%	0%	0%
1967	Wet	1%	1%	0%	105%	-32%	0%	11%	0%	-1%	-1%	-1%	-2%
1968	Below Norma	-3%	0%	-2%	0%	0%	1%	1%	1%	1%	1%	1%	1%
1969	Wet	2%	1%	1%	91%	0%	0%	-1%	0%	-1%	-1%	-1%	-2%
1970	Wet	-3%	-3%	0%	-1%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1972	Below Norma	0%	0%	0%	146%	-2%	3%	11%	17%	10%	-3%	1%	-3%
1973	Above Norma	14%	21%	6%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	5%	0%	-3%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	1%	2%	2%	4%	5%	5%	5%	5%	5%
1977	Critical	18%	10%	6%	-3%	-13%	-4%	-8%	-23%	-21%	-21%	-22%	-24%
1978	Above Norma	-31%	-31%	-31%	-15%	-32%	-6%	0%	-3%	0%	3%	3%	2%
1979	Below Norma	7%	6%	5%	-5%	3%	1%	0%	0%	0%	0%	0%	0%
1980	Above Norma	1%	1%	0%	6%	-42%	0%	17%	0%	0%	0%	1%	0%
1981	Dry	1%	1%	0%	1%	-9%	0%	9%	1%	1%	1%	1%	1%
1982	Wet	2%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	1%	0%	-3%	-3%	-3%	-3%	-3%	-3%
1986	Wet	-7%	-5%	-4%	0%	33%	0%	1%	4%	4%	4%	4%	4%
1987	Dry	9%	6%	4%	8%	-3%	-3%	-2%	-3%	-3%	-3%	-3%	-3%
1988	Critical	-7%	-5%	-3%	-8%	10%	-2%	-5%	-9%	-9%	-9%	-9%	-9%
1989	Dry	-9%	-9%	-9%	-40%	-21%	-1%	1%	1%	1%	1%	1%	1%
1990	Critical	2%	1%	1%	51%	25%	2%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	0%	-5%	-6%	-3%	2%	4%	4%	4%	4%	3%
1992	Critical	3%	3%	3%	3%	18%	0%	-1%	-1%	-1%	-2%	-2%	-2%
1993	Above Norma	3%	8%	-6%	-3%	0%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	4%	4%	2%	23%	34%	22%	10%	8%	13%
1995	Wet	66%	54%	21%	-80%	-16%	-3%	-3%	4%	4%	4%	3%	4%
1996	Wet	8%	6%	-40%	0%	15%	0%	1%	0%	0%	0%	0%	0%
1997	Wet	1%	1%	1%	0%	0%	1%	4%	4%	4%	4%	4%	4%
1998	Wet	13%	8%	4%	-2%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	-8%	8%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norma	0%	0%	0%	268%	-5%	0%	-1%	-3%	-2%	-2%	-2%	-3%
2001	Dry	-5%	-4%	-3%	0%	1%	0%	2%	2%	2%	2%	2%	2%
2002	Dry	9%	5%	2%	2%	7%	0%	5%	6%	5%	4%	4%	5%
2003	Above Norma	13%	10%	6%	23%	-6%	9%	-5%	-2%	-1%	-1%	-1%	-2%
Average		2%	2%	1%	14%	-1%	3%	1%	1%	1%	0%	0%	0%
Wet		2%	4%	0%	6%	0%	0%	1%	0%	0%	0%	0%	0%
Above Norma		0%	1%	-2%	44%	-6%	1%	1%	-1%	0%	0%	0%	0%
Below Norma		2%	-2%	0%	7%	0%	1%	-2%	1%	1%	0%	0%	0%
Dry		1%	1%	4%	19%	-2%	14%	5%	6%	4%	0%	1%	2%
Critical		5%	8%	0%	-2%	0%	0%	1%	0%	-1%	-2%	-2%	-2%

Difference in Energy Use (GWh) At Pumping Plant at SWP Banks: CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	-2	0	0	0
1923	Below Norma	2	0	0	0	11	1	-1	-1	1	0	-7	6	1
1924	Critical	9	-2	11	-9	33	0	-3	-6	-28	12	0	-28	-1
1925	Dry	-13	-2	0	28	0	0	0	0	0	0	0	14	2
1926	Dry	-1	0	0	0	3	-4	0	1	2	5	-1	-3	0
1927	Wet	0	0	0	0	0	0	0	0	0	-11	10	0	0
1928	Above Norma	0	0	0	0	11	0	9	3	-1	-14	10	2	2
1929	Critical	0	-1	5	0	1	1	0	0	0	-13	-2	0	-1
1930	Dry	0	0	0	0	-7	0	0	-4	7	44	-24	-2	1
1931	Critical	17	0	20	-6	21	-2	0	1	-24	-8	-1	0	2
1932	Dry	0	-1	0	0	-6	0	0	0	0	0	0	0	-1
1933	Critical	0	0	4	0	0	0	0	0	0	0	0	-7	0
1934	Critical	-1	-5	0	0	0	0	0	0	0	0	-1	3	0
1935	Below Norma	1	0	0	0	0	-5	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	1	1	0	0
1937	Below Norma	0	0	1	4	0	0	0	1	-3	-3	-3	0	0
1938	Wet	0	0	0	0	0	-3	0	0	0	0	0	0	0
1939	Dry	0	0	0	-1	0	-6	-1	0	8	1	0	0	0
1940	Above Norma	2	2	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	-2	-2	0	0	0	0	0	0	2	2	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	2	3	0	0
1943	Wet	0	0	0	-5	0	0	0	1	0	1	1	0	0
1944	Dry	2	0	2	0	0	-2	0	0	-9	0	0	6	0
1945	Below Norma	1	0	0	0	0	0	0	0	0	-1	-1	0	0
1946	Below Norma	1	0	0	0	0	-7	0	0	1	9	8	-1	1
1947	Dry	-1	-9	0	0	1	14	0	0	17	13	9	8	4
1948	Below Norma	9	-2	-1	3	0	0	1	-5	7	-14	-3	-11	-1
1949	Dry	-9	0	0	2	-3	0	0	0	0	-23	-6	-4	-4
1950	Below Norma	-2	-11	-5	0	0	-2	-2	0	4	7	-3	1	-1
1951	Above Norma	6	0	0	0	0	0	0	0	0	-3	3	3	1
1952	Wet	1	5	0	0	0	-9	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	-2	0	8	0	0	1
1954	Above Norma	0	0	0	0	0	0	0	0	-2	2	-3	-3	-1
1955	Dry	14	-4	0	0	0	13	1	0	0	-1	-16	0	1
1956	Wet	0	0	0	0	20	0	0	0	0	0	-1	0	2
1957	Above Norma	0	0	0	0	0	0	0	0	5	11	4	0	2
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	2	2	2	0	1
1960	Dry	2	39	-22	-1	1	0	1	0	4	7	0	2	3
1961	Dry	20	-2	0	0	0	2	0	3	0	3	21	-2	4
1962	Below Norma	-10	5	-3	0	0	0	0	1	-28	-5	-1	-5	-4
1963	Wet	0	0	0	0	0	-5	0	0	-3	-15	-15	-1	-3
1964	Dry	-1	0	0	0	0	1	2	1	24	4	5	0	3
1965	Wet	8	0	0	0	9	-3	0	2	31	-12	-2	2	3
1966	Below Norma	-13	0	0	0	-10	0	0	0	0	1	1	1	-2
1967	Wet	-1	0	0	0	0	4	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	1	-11	5	8	0
1969	Wet	5	5	0	0	0	0	0	0	0	0	0	0	1
1970	Wet	0	0	0	0	0	0	0	0	2	-1	-1	0	0
1971	Wet	5	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	0	0	-1	9	10	0	1
1973	Above Norma	2	0	0	0	0	0	0	0	1	1	1	0	0
1974	Wet	-2	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	-2	1	0	9	18	0	6	3
1977	Critical	-1	8	3	-1	-12	1	0	0	0	0	34	3	3
1978	Above Norma	13	-1	0	-22	-4	-2	0	-11	-3	10	8	-2	-1
1979	Below Norma	0	0	0	0	0	0	0	0	1	1	-6	0	0
1980	Above Norma	0	0	0	0	0	1	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	4	0	0	1	2	3	-1	1
1982	Wet	1	0	0	0	0	1	0	0	0	0	-1	0	0
1983	Wet	0	0	1	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	-4	0	0	-1	0	-15	0	0	9	0	-1	-12	-2
1986	Wet	0	0	0	0	0	0	0	-1	-2	7	-6	0	0
1987	Dry	7	5	-2	-38	0	0	29	-24	20	24	-5	2	1
1988	Critical	-8	1	0	0	0	0	0	0	0	-25	-10	0	-4
1989	Dry	2	-1	-1	-3	-2	0	2	0	-2	4	0	11	1
1990	Critical	0	2	-3	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	2	0	0	0	0	-3	0	0
1993	Above Norma	-3	-2	3	0	0	0	0	-12	0	5	5	-1	0
1994	Critical	1	0	-1	0	0	0	0	0	26	-4	-2	2	2
1995	Wet	2	-2	-7	0	0	0	0	0	0	0	0	0	-1
1996	Wet	0	0	0	18	1	0	0	0	1	1	0	0	2
1997	Wet	1	0	0	0	0	0	0	0	6	6	-1	1	1
1998	Wet	11	1	0	0	0	0	0	0	0	0	0	0	1
1999	Wet	0	0	0	0	0	0	0	0	1	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	-1	0	5	3	1	1
2001	Dry	-7	1	-2	0	0	0	0	10	0	0	-4	11	1
2002	Dry	-2	0	0	0	0	-1	0	0	4	12	5	0	2
2003	Above Norma	0	37	0	0	0	-28	-3	0	18	0	0	0	2
Average		1	1	0	0	1	-1	0	-1	1	1	0	0	0
Wet		1	0	0	1	1	-1	0	0	1	-1	0	0	0
Above Norma		2	3	0	-2	1	-2	1	-2	1	1	3	0	0
Below Norma		-1	-1	-1	1	0	-1	0	0	-1	-1	0	0	0
Dry		1	1	-2	-1	-1	0	2	-1	5	5	-1	2	1
Critical		1	0	3	-1	4	0	0	0	-1	-2	1	-2	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at SWP Banks: CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	-4%	0%	0%
1923	Below Norma	2%	0%	0%	0%	14%	1%	0%	-2%	2%	0%	-5%	7%
1924	Critical	12%	-3%	15%	-13%	639%	0%	-25%	-52%	-82%	46%	-1%	-51%
1925	Dry	-23%	-3%	0%	30%	0%	0%	0%	0%	0%	0%	0%	25%
1926	Dry	-2%	-1%	0%	0%	2%	-10%	0%	2%	4%	14%	-1%	-5%
1927	Wet	0%	0%	0%	0%	0%	0%	0%	-1%	0%	-14%	13%	0%
1928	Above Norma	0%	0%	0%	0%	10%	0%	13%	7%	-2%	-50%	13%	2%
1929	Critical	0%	-1%	5%	0%	1%	2%	0%	0%	0%	-70%	-4%	0%
1930	Dry	1%	0%	0%	0%	-9%	0%	0%	-11%	16%	614%	-32%	-3%
1931	Critical	36%	0%	38%	-7%	427%	-8%	0%	9%	-38%	-14%	-1%	0%
1932	Dry	-2%	-4%	0%	0%	-5%	0%	0%	0%	0%	0%	0%	0%
1933	Critical	0%	0%	5%	0%	0%	0%	0%	0%	0%	0%	0%	-21%
1934	Critical	-3%	-13%	0%	0%	0%	0%	0%	0%	0%	0%	-2%	6%
1935	Below Norma	1%	0%	1%	0%	0%	-4%	0%	0%	0%	-1%	0%	0%
1936	Below Norma	0%	0%	-1%	0%	0%	0%	0%	1%	0%	1%	1%	0%
1937	Below Norma	0%	0%	2%	3%	0%	0%	0%	2%	-6%	-6%	-6%	0%
1938	Wet	0%	0%	0%	0%	0%	-2%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	-1%	0%	0%	0%	-8%	-6%	0%	16%	2%	0%	0%
1940	Above Norma	3%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	-2%	-2%	0%	0%	0%	0%	0%	0%	5%	4%	-1%	0%
1942	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	6%	3%	0%
1943	Wet	0%	0%	0%	-3%	0%	0%	0%	3%	0%	3%	3%	0%
1944	Dry	2%	0%	2%	0%	0%	-3%	0%	0%	-12%	0%	0%	6%
1945	Below Norma	1%	0%	0%	0%	0%	-1%	0%	0%	0%	-1%	-2%	0%
1946	Below Norma	2%	0%	0%	0%	2%	-7%	0%	0%	1%	8%	7%	-1%
1947	Dry	-1%	-10%	0%	0%	1%	14%	-1%	2%	261%	13%	9%	10%
1948	Below Norma	12%	-2%	-1%	3%	0%	0%	1%	-7%	10%	-13%	-3%	-11%
1949	Dry	-11%	0%	0%	2%	-7%	0%	0%	-3%	0%	-31%	-14%	-6%
1950	Below Norma	-9%	-19%	-12%	0%	0%	-2%	-3%	0%	6%	10%	-6%	1%
1951	Above Norma	6%	0%	0%	0%	0%	0%	0%	0%	0%	-3%	3%	4%
1952	Wet	2%	4%	0%	0%	0%	-7%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	-2%	0%	0%	21%	0%
1954	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	-3%	2%	-3%	-4%
1955	Dry	16%	-4%	0%	0%	0%	46%	2%	0%	0%	-7%	-29%	0%
1956	Wet	0%	0%	0%	0%	16%	0%	0%	0%	0%	0%	-2%	0%
1957	Above Norma	0%	0%	0%	0%	0%	0%	2%	0%	7%	22%	4%	0%
1958	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	3%	2%	2%	0%
1960	Dry	3%	86%	-22%	-1%	0%	0%	25%	0%	7%	11%	0%	2%
1961	Dry	40%	-2%	0%	0%	0%	2%	0%	22%	1%	4%	26%	-3%
1962	Below Norma	-15%	7%	-2%	1%	0%	0%	0%	9%	-39%	-5%	-1%	-5%
1963	Wet	0%	0%	0%	0%	0%	-4%	0%	0%	-4%	-17%	-17%	-1%
1964	Dry	-1%	0%	0%	0%	0%	2%	5%	3%	40%	3%	4%	0%
1965	Wet	15%	0%	0%	0%	7%	-3%	0%	7%	108%	-31%	-5%	2%
1966	Below Norma	-17%	0%	0%	0%	-9%	0%	0%	0%	0%	1%	1%	2%
1967	Wet	-2%	0%	0%	0%	0%	3%	0%	0%	0%	0%	0%	0%
1968	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	1%	-14%	6%	14%
1969	Wet	7%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	0%	0%	0%	4%	-1%	-1%	0%
1971	Wet	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1972	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	-2%	15%	18%	0%
1973	Above Norma	4%	0%	0%	0%	0%	0%	0%	0%	1%	1%	1%	0%
1974	Wet	-3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	-2%	2%	1%	18%	117%	0%	9%
1977	Critical	-1%	15%	3%	-2%	-69%	5%	0%	5%	0%	0%	312%	9%
1978	Above Norma	59%	-2%	0%	-15%	-4%	-1%	0%	-11%	-5%	22%	22%	-2%
1979	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	2%	2%	-12%	0%
1980	Above Norma	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	0%	3%	0%	0%	1%	3%	4%	-1%
1982	Wet	2%	0%	0%	0%	0%	1%	0%	0%	0%	0%	-1%	0%
1983	Wet	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	-4%	0%	0%	-1%	0%	-30%	0%	0%	12%	0%	0%	-12%
1986	Wet	0%	0%	0%	0%	0%	0%	0%	-1%	-4%	109%	-12%	0%
1987	Dry	10%	8%	-3%	-29%	0%	0%	472%	-66%	54%	55%	-5%	3%
1988	Critical	-14%	2%	0%	0%	0%	-1%	0%	1%	0%	-82%	-23%	0%
1989	Dry	14%	-2%	-3%	-3%	-10%	0%	4%	-1%	-3%	4%	0%	13%
1990	Critical	0%	3%	-4%	0%	0%	0%	0%	0%	0%	-2%	1%	0%
1991	Critical	0%	1%	-1%	0%	-1%	0%	0%	0%	0%	0%	0%	0%
1992	Critical	0%	0%	0%	0%	0%	2%	0%	0%	0%	0%	-13%	0%
1993	Above Norma	-8%	-6%	4%	0%	0%	0%	0%	-15%	0%	9%	12%	-1%
1994	Critical	1%	0%	-1%	0%	0%	0%	0%	0%	55%	-4%	-2%	4%
1995	Wet	5%	-3%	-10%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	0%	15%	1%	0%	0%	0%	2%	2%	0%	0%
1997	Wet	3%	0%	0%	0%	0%	0%	0%	0%	21%	20%	-2%	1%
1998	Wet	20%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%
2000	Above Norma	0%	0%	0%	0%	0%	0%	0%	-1%	0%	5%	3%	1%
2001	Dry	-7%	1%	-2%	0%	0%	0%	0%	127%	0%	0%	-6%	19%
2002	Dry	-7%	0%	0%	0%	7%	-2%	0%	0%	32%	15%	5%	1%
2003	Above Norma	1%	108%	0%	0%	0%	-24%	-4%	0%	19%	0%	0%	0%
Average		2%	2%	0%	0%	12%	0%	6%	0%	6%	9%	3%	0%
Wet		2%	0%	0%	0%	1%	0%	0%	0%	5%	3%	0%	0%
Above Norma		5%	9%	0%	-1%	1%	-2%	1%	-2%	1%	0%	5%	0%
Below Norma		-2%	-1%	-1%	0%	0%	-1%	0%	0%	-1%	0%	0%	0%
Dry		2%	4%	-2%	0%	-1%	1%	28%	4%	24%	39%	-2%	3%
Critical		2%	0%	5%	-2%	83%	0%	-2%	-3%	-4%	-1%	22%	-4%

Difference in Energy Use (GWh) At Pumping Plant at SWP Dos Amigos: CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	2	1	-3	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	1	1	1	2	3	1
1924	Critical	1	1	1	1	1	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	-6	0	1	-1	0	0	1	3	2	0
1926	Dry	2	3	2	0	-8	8	-1	-1	-1	-1	-1	-1	0
1927	Wet	-1	-1	-1	0	3	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	6	0	1	5	1	-1	-1	-1	-1	1
1929	Critical	-1	-1	-1	0	0	0	0	1	1	1	1	0	0
1930	Dry	0	0	0	0	-4	0	6	3	0	-2	-1	1	0
1931	Critical	3	4	6	4	4	1	-1	-2	-3	-3	-2	-1	1
1932	Dry	-1	0	0	0	0	0	0	0	0	-1	-2	-1	-1
1933	Critical	-1	-2	-1	-1	11	0	0	0	0	-1	-2	-1	0
1934	Critical	-1	-2	-1	0	2	0	0	0	0	0	0	0	0
1935	Below Norma	0	0	0	0	0	0	1	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	-1	0	0	0	2	0	-1	-1	-1	-1	-1	0
1938	Wet	-1	-1	-1	0	0	2	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1940	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	4	0	0	0	0	0	0	0	-1	0
1942	Wet	-1	-1	-1	0	2	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	9	0	-2	-2	-2	-2	-2	-2	0
1945	Below Norma	-1	-1	-1	0	3	-3	0	0	0	0	0	0	0
1946	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1947	Dry	0	0	0	0	0	5	2	3	3	3	3	2	2
1948	Below Norma	2	2	2	0	0	0	-1	-1	-1	-1	-1	-1	0
1949	Dry	-1	-1	-1	-2	-1	-1	-1	-2	-3	-3	-3	-2	-2
1950	Below Norma	-2	-2	-2	0	0	0	1	1	1	1	1	1	0
1951	Above Norma	1	1	1	0	-1	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	2	0	0	0	0	-1	0	0
1955	Dry	0	0	0	0	0	1	0	1	1	2	3	2	1
1956	Wet	2	2	2	0	-2	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	1	1	1	1	1	1	1
1958	Wet	1	1	1	-1	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	1	1	1	0	0
1960	Dry	0	0	0	0	0	0	8	5	0	-2	0	1	1
1961	Dry	4	5	8	5	-5	-10	2	1	0	0	0	0	1
1962	Below Norma	1	1	2	1	1	-13	-4	-3	-3	-3	-3	-2	-2
1963	Wet	-2	-2	-2	0	0	1	1	0	0	-1	-1	0	-1
1964	Dry	0	0	0	12	0	5	7	-1	-8	-1	0	0	1
1965	Wet	2	2	4	1	0	-1	0	1	1	1	1	1	1
1966	Below Norma	1	1	1	0	-8	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	7	-7	0	0	0	-1	-1	-1	-1	0
1968	Below Norma	-1	3	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	6	-8	0	0	0	-1	-1	-1	-1	0
1970	Wet	0	0	3	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	2	-1	0
1972	Below Norma	-1	0	0	8	0	2	4	1	-2	-3	-2	-1	1
1973	Above Norma	1	1	3	-6	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	-1	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	3	2	2	2	2	2	1
1977	Critical	1	1	1	0	0	0	-2	-2	-3	-3	-3	-2	-1
1978	Above Norma	-1	-1	-1	27	-1	-1	0	0	0	1	1	1	2
1979	Below Norma	1	1	2	-3	-1	-1	0	0	0	0	0	0	0
1980	Above Norma	0	0	0	1	0	0	-1	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	-1	-2	-2	0	-2	-2	-1
1986	Wet	-2	-2	-2	0	4	0	0	0	2	2	2	1	0
1987	Dry	1	1	1	1	0	-1	-1	-1	-1	-1	-1	-1	0
1988	Critical	-1	-1	-1	-1	-1	0	-1	-2	-3	-3	-2	-1	-1
1989	Dry	-1	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	1	1	1	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	1	1	1	1	0	0
1992	Critical	0	0	0	0	0	-3	0	0	0	0	-1	-1	0
1993	Above Norma	-1	-1	-1	0	0	1	0	0	0	0	0	0	0
1994	Critical	0	0	0	1	0	1	5	3	-1	-2	-1	0	1
1995	Wet	3	3	6	4	0	-5	0	3	1	2	2	1	2
1996	Wet	1	0	-8	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	1	1	2	2	2	1	1
1998	Wet	1	1	1	0	-1	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	9	0	-10	1	2	0	1	0	-1	0
2001	Dry	-1	-1	-1	0	0	0	2	1	1	1	1	1	0
2002	Dry	0	0	0	0	2	0	2	2	2	1	2	1	1
2003	Above Norma	1	1	2	5	0	5	-2	-1	-1	0	0	0	1
Average		0	0	0	1	0	0	0	0	0	0	0	0	0
Wet		0	0	0	1	0	0	0	0	0	0	0	0	0
Above Norma		0	0	0	4	0	0	0	0	0	0	0	0	0
Below Norma		0	0	0	0	0	-1	0	0	0	0	0	0	0
Dry		0	0	1	1	0	1	1	0	-1	0	0	0	0
Critical		0	0	0	0	2	0	0	0	0	-1	-1	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at SWP Dos Amigos: CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	108%	3%	-6%	-1%	-1%	0%	-1%	-1%	-1%
1923	Below Norma	-1%	-1%	-1%	0%	0%	0%	0%	1%	1%	1%	3%	8%
1924	Critical	3%	3%	3%	5%	4%	4%	-1%	-1%	-1%	-1%	-1%	-1%
1925	Dry	-1%	-1%	-1%	-25%	0%	19%	-2%	1%	1%	3%	8%	9%
1926	Dry	18%	28%	26%	11%	-18%	44%	-5%	-1%	-3%	-3%	-3%	-3%
1927	Wet	-3%	-3%	-3%	1%	8%	0%	0%	0%	0%	0%	0%	0%
1928	Above Norma	0%	0%	0%	23%	1%	4%	12%	2%	-3%	-3%	-3%	-4%
1929	Critical	-4%	-4%	-4%	1%	1%	1%	2%	2%	2%	2%	2%	2%
1930	Dry	3%	2%	2%	4%	-31%	0%	27%	10%	-1%	-4%	-1%	2%
1931	Critical	13%	17%	39%	75%	65%	25%	-8%	-8%	-9%	-8%	-8%	-8%
1932	Dry	-9%	-8%	-8%	-5%	0%	0%	0%	-1%	-1%	-2%	-5%	-6%
1933	Critical	-10%	-16%	-9%	-15%	73%	0%	1%	0%	0%	-2%	-4%	-5%
1934	Critical	-8%	-12%	-12%	-5%	15%	-2%	0%	0%	0%	0%	0%	0%
1935	Below Norma	0%	0%	0%	-1%	0%	0%	3%	0%	0%	0%	0%	0%
1936	Below Norma	0%	0%	0%	-6%	-1%	0%	1%	0%	0%	0%	0%	0%
1937	Below Norma	1%	-2%	2%	3%	0%	5%	-1%	-2%	-2%	-2%	-2%	-2%
1938	Wet	-3%	-3%	-3%	1%	0%	4%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	-1%	0%	1%	0%	0%	0%	0%	0%	0%
1940	Above Norma	0%	0%	0%	-4%	-2%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	14%	0%	0%	0%	0%	0%	0%	0%	-1%
1942	Wet	-3%	-2%	-2%	0%	4%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	1%	1%	1%	1%	1%
1944	Dry	1%	1%	1%	1%	39%	0%	-4%	-3%	-3%	-3%	-3%	-4%
1945	Below Norma	-4%	-4%	-4%	-1%	13%	-9%	0%	1%	1%	1%	1%	1%
1946	Below Norma	1%	1%	1%	0%	0%	0%	0%	1%	0%	0%	0%	0%
1947	Dry	0%	0%	0%	0%	0%	32%	6%	6%	6%	6%	6%	6%
1948	Below Norma	6%	6%	6%	3%	5%	0%	-8%	-2%	-2%	-2%	-2%	-2%
1949	Dry	-2%	-2%	-2%	-11%	-11%	-9%	-6%	-7%	-7%	-7%	-8%	-8%
1950	Below Norma	-10%	-12%	-12%	-8%	-4%	-1%	2%	2%	2%	2%	2%	2%
1951	Above Norma	2%	2%	2%	1%	-3%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Norma	0%	0%	0%	1%	0%	4%	0%	0%	0%	-1%	-2%	0%
1955	Dry	0%	0%	0%	0%	0%	5%	-1%	4%	4%	5%	8%	8%
1956	Wet	13%	17%	17%	0%	-4%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norma	0%	0%	0%	1%	0%	1%	3%	3%	2%	2%	2%	2%
1958	Wet	2%	2%	2%	-2%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	-1%	0%	0%	1%	1%	1%	1%	1%	1%	1%
1960	Dry	1%	1%	1%	0%	1%	4%	27%	13%	0%	-4%	-1%	3%
1961	Dry	17%	22%	40%	55%	-26%	-24%	9%	4%	0%	-1%	0%	1%
1962	Below Norma	5%	6%	12%	15%	14%	-39%	-10%	-5%	-5%	-5%	-5%	-4%
1963	Wet	-6%	-6%	-5%	-1%	0%	1%	0%	0%	0%	-2%	-2%	-1%
1964	Dry	-1%	-1%	-1%	65%	0%	16%	-23%	-2%	-19%	-2%	0%	1%
1965	Wet	7%	10%	17%	4%	0%	-3%	0%	2%	2%	2%	2%	2%
1966	Below Norma	3%	3%	3%	0%	-18%	0%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	1%	30%	-21%	0%	-1%	0%	-1%	-1%	-1%	-1%
1968	Below Norma	-2%	8%	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%
1969	Wet	1%	1%	1%	29%	-21%	0%	0%	0%	-1%	-1%	-1%	-1%
1970	Wet	-1%	-1%	7%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	4%	-2%
1972	Below Norma	-2%	-1%	-1%	36%	0%	5%	17%	3%	-4%	-6%	-4%	-3%
1973	Above Norma	4%	6%	18%	-14%	0%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	-3%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	1%	7%	5%	5%	5%	5%	5%
1977	Critical	6%	6%	6%	3%	3%	-2%	-23%	-25%	-27%	-27%	-27%	-25%
1978	Above Norma	-24%	-24%	-23%	124%	-3%	-1%	0%	1%	1%	2%	2%	1%
1979	Below Norma	3%	4%	6%	-30%	-5%	-3%	0%	0%	0%	0%	0%	0%
1980	Above Norma	0%	0%	0%	2%	0%	0%	-1%	1%	1%	1%	1%	1%
1981	Dry	1%	1%	1%	0%	0%	0%	1%	1%	1%	1%	1%	1%
1982	Wet	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	-2%	-5%	-3%	0%	-4%	-4%
1986	Wet	-5%	-5%	-5%	-2%	20%	0%	0%	4%	4%	4%	4%	4%
1987	Dry	4%	4%	4%	4%	0%	-4%	-2%	-2%	-2%	-2%	-2%	-2%
1988	Critical	-3%	-3%	-3%	-4%	-5%	-3%	-8%	-8%	-9%	-9%	-9%	-8%
1989	Dry	-10%	-8%	-8%	-6%	-8%	4%	1%	0%	1%	1%	1%	1%
1990	Critical	1%	1%	2%	43%	40%	12%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	0%	-4%	-9%	-15%	3%	3%	3%	3%	3%	3%
1992	Critical	4%	3%	3%	0%	-2%	-31%	0%	0%	0%	-1%	-2%	-2%
1993	Above Norma	-4%	-6%	-6%	0%	1%	3%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	2%	1%	4%	21%	10%	-1%	-5%	-1%	2%
1995	Wet	13%	18%	34%	45%	0%	-11%	0%	5%	1%	4%	3%	2%
1996	Wet	3%	1%	-18%	0%	0%	0%	0%	1%	0%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	-1%	0%	4%	4%	4%	4%	4%	4%
1998	Wet	4%	4%	4%	0%	-3%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norma	0%	0%	0%	48%	0%	-19%	2%	3%	0%	1%	0%	-2%
2001	Dry	-2%	-2%	-2%	0%	-1%	0%	2%	2%	2%	2%	2%	2%
2002	Dry	2%	2%	2%	1%	10%	0%	6%	5%	4%	3%	3%	4%
2003	Above Norma	5%	5%	7%	20%	0%	18%	-5%	-1%	-2%	0%	0%	0%
Average		0%	1%	2%	8%	2%	0%	1%	0%	-1%	-1%	0%	0%
Wet		1%	1%	2%	4%	-1%	0%	0%	0%	0%	0%	1%	0%
Above Norma		-1%	-1%	0%	26%	0%	0%	1%	1%	0%	0%	0%	0%
Below Norma		0%	1%	1%	1%	0%	-3%	0%	0%	0%	-1%	0%	0%
Dry		1%	2%	3%	5%	-2%	5%	4%	1%	-1%	0%	0%	1%
Critical		0%	0%	2%	8%	16%	0%	0%	-2%	-3%	-4%	-4%	-3%

Difference in Energy Use (GWh) At Pumping Plant at SWP SL: CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	-5	-3	8	0	0	0	0	0	0	0
1923	Below Norma	1	1	1	1	9	0	0	0	0	0	0	-4	1
1924	Critical	4	0	8	-9	4	0	0	0	-5	0	2	-15	-1
1925	Dry	-3	0	5	51	0	0	2	0	0	0	0	5	5
1926	Dry	-5	-6	-5	-5	24	-1	5	0	0	0	0	0	1
1927	Wet	2	4	3	2	-6	0	0	0	0	0	0	0	0
1928	Above Norma	0	3	1	-14	11	-4	0	0	0	0	1	3	0
1929	Critical	3	2	7	1	0	1	0	0	0	0	-2	0	1
1930	Dry	0	0	-1	-1	2	0	0	0	0	0	0	0	0
1931	Critical	3	-5	5	-12	3	-4	0	0	0	0	3	0	-1
1932	Dry	1	3	5	4	-7	0	0	0	0	0	0	2	1
1933	Critical	3	3	7	5	-28	0	0	0	0	0	0	0	-1
1934	Critical	1	-1	4	2	-6	0	0	0	0	0	0	0	0
1935	Below Norma	1	1	1	1	1	-6	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	0	0	4	1	-5	0	0	0	0	0	0	0
1938	Wet	2	2	3	0	1	-9	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	0	0	0	0	0	-2	0
1940	Above Norma	1	0	0	0	-1	-1	0	0	0	0	0	0	0
1941	Wet	1	-1	0	-9	0	0	0	0	0	0	0	1	-1
1942	Wet	2	1	1	0	-5	0	0	0	0	0	0	0	0
1943	Wet	0	1	1	-5	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	1	0	-22	0	0	0	0	0	0	3	-1
1945	Below Norma	0	2	3	1	-9	0	0	0	0	0	0	0	0
1946	Below Norma	2	0	0	0	0	-8	0	0	0	0	0	1	-1
1947	Dry	7	-4	1	-5	2	3	0	0	0	0	0	0	0
1948	Below Norma	10	-4	0	2	0	0	4	0	0	0	0	1	1
1949	Dry	-6	0	0	4	0	1	0	0	0	-7	0	4	0
1950	Below Norma	0	-4	-1	1	1	-2	0	0	0	0	0	-3	-1
1951	Above Norma	4	-1	-1	0	3	0	0	0	0	0	0	1	1
1952	Wet	3	5	1	1	1	-11	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	-1	0	-4	0	0	0	0	0	0	0
1955	Dry	8	-2	0	0	0	11	0	0	0	0	0	-1	1
1956	Wet	-2	-5	-6	-3	28	0	0	0	0	0	0	0	1
1957	Above Norma	0	0	0	-1	0	-1	0	0	0	0	-4	7	0
1958	Wet	-1	-1	-1	1	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	1	0	0	0	0	0	0	0	1	0	0
1960	Dry	1	15	-13	1	4	2	0	0	0	0	0	-2	1
1961	Dry	2	-9	-17	-11	17	22	0	0	0	0	0	7	1
1962	Below Norma	-7	1	1	-1	-1	31	0	0	0	0	0	3	2
1963	Wet	4	7	5	3	2	-7	0	0	0	0	0	0	1
1964	Dry	0	1	0	-30	0	0	0	0	0	3	3	0	-2
1965	Wet	3	-4	-8	-3	11	0	0	0	0	0	0	-1	0
1966	Below Norma	-10	-2	-4	-2	9	0	0	0	0	0	0	0	-1
1967	Wet	-5	-1	0	-16	21	5	0	0	0	0	0	1	0
1968	Below Norma	2	-8	0	0	0	0	0	0	0	0	-3	0	-1
1969	Wet	2	2	-1	-15	20	0	0	0	0	0	0	1	1
1970	Wet	1	2	-9	0	0	0	0	0	0	0	0	0	0
1971	Wet	3	0	0	0	0	0	0	0	0	0	0	1	0
1972	Below Norma	1	0	1	-19	0	-5	0	0	0	0	5	1	-1
1973	Above Norma	-2	-2	-6	14	0	0	0	0	0	0	0	0	0
1974	Wet	-2	0	0	0	4	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	-3	0	0	0	0	0	4	0
1977	Critical	-2	3	5	-1	0	0	0	0	0	0	30	9	4
1978	Above Norma	16	7	11	-79	0	0	0	-3	0	0	0	-2	-4
1979	Below Norma	0	-4	0	5	3	3	0	0	0	0	0	0	1
1980	Above Norma	0	-4	-1	-4	2	1	0	0	0	0	0	0	-1
1981	Dry	0	0	-1	-1	0	5	0	0	0	0	0	-1	0
1982	Wet	0	0	0	0	0	1	0	0	0	0	0	0	0
1983	Wet	0	0	1	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	-2	-1	0	-1	0	0	0	0	0	0	0	2	0
1986	Wet	-1	2	3	1	-12	0	0	0	0	0	0	-5	-1
1987	Dry	4	2	-5	-44	-3	0	0	0	0	0	0	9	-3
1988	Critical	0	0	1	1	0	0	0	0	0	0	-3	0	0
1989	Dry	1	0	3	-1	-1	2	0	0	0	0	0	4	1
1990	Critical	0	0	0	-2	-2	-1	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	1	0	0	0	0	0	0	0
1992	Critical	-1	0	0	0	-1	10	0	0	0	0	0	0	1
1993	Above Norma	-1	0	3	1	-1	-4	0	0	0	0	0	-1	0
1994	Critical	1	0	-1	-2	-1	0	0	0	0	-1	-1	0	0
1995	Wet	1	-6	-15	-10	-1	12	1	0	0	0	0	-3	-2
1996	Wet	-4	0	22	22	0	0	0	0	0	0	0	0	3
1997	Wet	0	0	0	0	1	0	0	0	0	0	0	-1	0
1998	Wet	6	-1	-2	0	3	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	-22	-1	26	0	0	0	0	0	3	1
2001	Dry	-3	2	-1	0	0	0	0	0	0	0	0	10	1
2002	Dry	0	0	-1	-1	0	-1	0	0	0	0	0	-2	0
2003	Above Norma	0	8	5	-8	0	-38	0	0	0	0	0	0	-3
Average		1	0	0	-3	1	0	0	0	0	0	0	1	0
Wet		1	0	0	-1	3	0	0	0	0	0	0	0	0
Above Norma		1	1	1	-10	1	-1	0	0	0	0	0	1	-1
Below Norma		0	-1	0	-1	1	1	0	0	0	0	0	0	0
Dry		0	0	-2	-2	1	3	0	0	0	0	0	2	0
Critical		1	0	3	-1	-3	0	0	0	0	0	2	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at SWP SL: CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	-	-	0%	-4%	-3%	70%	-	-	-	-	-	-
1923	Below Norma	-	2%	2%	1%	-	-	-	-	-	-	-	-25%
1924	Critical	31%	-	332%	-29%	-	-	-	-	-100%	-	21%	-71%
1925	Dry	-10%	1%	5%	142%	4%	-	36%	0%	-	-	-	85%
1926	Dry	-57%	-47%	-16%	-4%	136%	-100%	266%	-	-	-	-	-
1927	Wet	20%	13%	6%	2%	-11%	0%	-	-	-	-	-	4%
1928	Above Norma	8%	10%	2%	-18%	26%	-8%	-	-	-	-	-	213%
1929	Critical	-	12%	35%	1%	1%	3%	-	-	-	-	-30%	-
1930	Dry	-37%	-4%	-1%	-1%	5%	0%	-	-	-	-	-	-
1931	Critical	-	-100%	39%	-20%	-	-41%	-	-	-	-	43%	-
1932	Dry	-	19%	4%	3%	-70%	0%	-	-	-	-	-	-
1933	Critical	23%	43%	12%	4%	-54%	0%	-	-	-	-	-	-
1934	Critical	59%	-18%	4%	2%	-8%	0%	-	-	-	-	-	-
1935	Below Norma	7%	3%	4%	1%	1%	-32%	0%	-	-	-	-	-
1936	Below Norma	-	-	0%	0%	0%	-1%	-	-	-	-	-	-
1937	Below Norma	-	-	0%	4%	0%	-10%	0%	-	-	-	-	-
1938	Wet	57%	6%	5%	1%	1%	-49%	0%	0%	-	-	-	1%
1939	Dry	0%	-3%	-1%	-	-	-	-	-	-	-	-	-19%
1940	Above Norma	19%	-	-	0%	-1%	-3%	-	-	-	-	-	-
1941	Wet	18%	-37%	0%	-11%	-1%	-1%	-	-	-	-	-	8%
1942	Wet	7%	3%	3%	0%	-10%	0%	-	-	-	-	-	0%
1943	Wet	1%	2%	2%	-25%	1%	0%	0%	-	-	-	-	-9%
1944	Dry	5%	-10%	6%	0%	-26%	-	-	-	-	-	-	31%
1945	Below Norma	-	7%	6%	1%	-9%	-	-	-	-	-	-	1%
1946	Below Norma	329%	-1%	-1%	0%	-	-87%	-	-	-	-	-	3%
1947	Dry	45%	-25%	2%	-13%	4%	5%	-	-	-	-	-	-4%
1948	Below Norma	193%	-36%	-	3%	-	0%	17%	-	-	-	-	6%
1949	Dry	-100%	-	-2%	14%	2%	1%	-	-	-	-100%	-	291%
1950	Below Norma	-	-30%	-14%	1%	1%	-4%	-	-	-	-	-	-46%
1951	Above Norma	29%	-2%	-1%	0%	5%	0%	-	-	-	-	-	10%
1952	Wet	134%	18%	1%	2%	2%	-90%	0%	0%	-	-	-	0%
1953	Wet	0%	0%	0%	-	-	0%	-	-	-	-	-	1%
1954	Above Norma	-1%	0%	0%	-1%	0%	-13%	-	-	-	-	-	-
1955	Dry	269%	-7%	1%	0%	-	-	-	-	-	-	-	-100%
1956	Wet	-94%	-18%	-5%	-3%	336%	0%	-	-	-	-	-	0%
1957	Above Norma	0%	-	0%	-1%	0%	-2%	-	-	-	-	-77%	400%
1958	Wet	-2%	-2%	-2%	3%	0%	0%	0%	-	-	-	-	0%
1959	Below Norma	0%	0%	3%	-	0%	-	-	-	-	-	18%	-
1960	Dry	16%	-	-50%	1%	5%	4%	-	-	-	-	-	-16%
1961	Dry	-	-31%	-24%	-17%	20%	3373%	-	-	-	-	-	-
1962	Below Norma	-100%	15%	1%	-5%	-1%	110%	-	-	-	-	-	43%
1963	Wet	19%	24%	12%	5%	4%	-26%	-	-	-	-	-	1%
1964	Dry	1%	4%	2%	-32%	-	-	-	-	-	36%	47%	-5%
1965	Wet	241%	-7%	-10%	-4%	50%	0%	0%	-	-	-	-	-3%
1966	Below Norma	-83%	-4%	-5%	-3%	99%	-1%	-	-	-	-	-	-
1967	Wet	-90%	-3%	-1%	-18%	48%	935%	0%	0%	-	-	-	8%
1968	Below Norma	4%	-74%	0%	0%	0%	0%	-	-	-	-	-100%	-
1969	Wet	38%	16%	-1%	-13%	36%	0%	0%	0%	-	-	-	7%
1970	Wet	3%	4%	-56%	-	0%	0%	-	-	-	-	-	-
1971	Wet	18%	0%	0%	0%	-	0%	-	-	-	-	-	12%
1972	Below Norma	5%	1%	1%	-24%	-15%	-12%	-	-	-	-	-	31%
1973	Above Norma	-17%	-3%	-7%	43%	1%	0%	-	-	-	-	-	-
1974	Wet	-23%	-1%	-1%	0%	12%	0%	-	-	-	-	-	0%
1975	Wet	0%	0%	0%	0%	0%	0%	-	-	-	-	-	0%
1976	Critical	0%	0%	0%	0%	-	-75%	-	-	-	-	-	91%
1977	Critical	-46%	447%	20%	-4%	-	-	-	-	-	-	1015%	85%
1978	Above Norma	200%	37%	11%	-87%	2%	1%	0%	-100%	-	-	-	-100%
1979	Below Norma	-	-24%	-	4%	4%	5%	-	-	-	-	-	-
1980	Above Norma	-9%	-10%	-3%	-4%	2%	174%	0%	-	-	-	-	-3%
1981	Dry	-16%	-	-1%	-1%	1%	843%	-	-	-	-	-	-6%
1982	Wet	20%	1%	-1%	0%	1%	151%	0%	-	-	-	-	0%
1983	Wet	0%	0%	22%	-	0%	0%	0%	0%	0%	0%	-	0%
1984	Wet	0%	0%	0%	-	0%	0%	-	-	-	-	-	0%
1985	Dry	-13%	-2%	0%	-2%	-4%	-	-	-	-	0%	0%	16%
1986	Wet	-21%	16%	7%	1%	-11%	-1%	0%	0%	-	-	-	-16%
1987	Dry	301%	240%	-38%	-66%	-5%	0%	-	-	-	-	-	173%
1988	Critical	-	-	2%	1%	-	-	-	-	-	-	-54%	-
1989	Dry	-	0%	9%	-1%	-8%	2%	-	-	-	-	-	-
1990	Critical	-7%	-	-1%	-8%	-8%	-3%	-	-	-	-	2%	2%
1991	Critical	-1%	3%	-2%	1%	0%	1%	-	-	-	-	-	-
1992	Critical	-5%	-	-2%	-1%	-1%	12%	-	-	-	-	-	-
1993	Above Norma	-100%	-5%	7%	1%	-1%	-23%	-	-	-	-	-	-7%
1994	Critical	9%	-	-7%	-6%	-3%	-	-	-	-	-5%	-10%	1%
1995	Wet	-	-71%	-63%	-9%	-2%	29%	66%	-	-	-	-	-17%
1996	Wet	-10%	-	70%	-	0%	0%	0%	-	-	-	-	-1%
1997	Wet	-	0%	0%	0%	1%	0%	-	-	-	-	-	-21%
1998	Wet	400%	-2%	-3%	0%	5%	0%	0%	-	-	-	-	0%
1999	Wet	1%	0%	-	-	0%	0%	-	-	-	-	-	-1%
2000	Above Norma	-	0%	-2%	-22%	-2%	164%	-	-	-	-	-	3975%
2001	Dry	-56%	7%	-3%	0%	0%	-2%	-	-	-	-	-	44324%
2002	Dry	-	-2%	-1%	-1%	-	-3%	-	-	-	-	-	-22%
2003	Above Norma	-	-	9%	-12%	-	-88%	-	-	-	-1%	0%	3%
Average		25%	6%	4%	-3%	8%	75%	19%	-13%	-50%	-12%	67%	851%
Wet		28%	-1%	-1%	-3%	18%	37%	3%	0%	0%	0%	0%	-1%
Above Norma		11%	2%	1%	-9%	2%	23%	0%	-8%	0%	0%	-6%	374%
Below Norma		25%	-10%	0%	-1%	6%	-2%	1%	0%	0%	0%	-6%	1%
Dry		19%	8%	-6%	1%	4%	229%	17%	0%	0%	-4%	3%	2486%
Critical		5%	32%	36%	-4%	-6%	-9%	0%	0%	-8%	0%	82%	9%

Difference in Energy Use (GWh) At Pumping Plant at Teerink: CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norm	0	0	0	4	1	0	-1	-1	0	-1	-1	0	0
1923	Below Norm	-1	-1	-1	0	0	0	0	0	0	0	3	6	1
1924	Critical	2	2	2	2	1	1	0	0	0	0	0	0	1
1925	Dry	0	0	0	-7	0	1	0	-1	-1	0	3	3	0
1926	Dry	5	6	4	1	-9	15	-1	0	-2	-2	-2	-2	1
1927	Wet	-2	-2	-2	0	0	0	0	0	0	0	0	0	-1
1928	Above Norm	0	0	0	10	0	1	10	2	-2	-3	-3	-2	1
1929	Critical	-2	-2	-2	0	0	0	1	1	1	1	1	1	0
1930	Dry	0	0	0	0	-2	0	7	1	-1	0	-3	-2	0
1931	Critical	4	4	9	9	8	3	-3	-3	-4	-3	-3	-3	2
1932	Dry	-2	-1	-1	0	-1	-1	0	0	0	0	-2	-2	-1
1933	Critical	-3	-3	-1	-1	12	-1	1	1	1	0	-2	-2	0
1934	Critical	-3	-4	-3	0	2	0	0	0	0	0	0	0	-1
1935	Below Norm	0	0	0	0	0	0	2	0	0	0	0	0	0
1936	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norm	0	-1	1	0	0	10	-2	-2	-2	-2	-2	-2	0
1938	Wet	-2	-2	-2	0	0	0	0	-1	0	0	0	0	-1
1939	Dry	0	0	0	0	0	1	0	0	0	0	0	0	0
1940	Above Norm	0	0	0	-1	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	6	0	0	0	0	0	0	0	-1	0
1942	Wet	-3	-1	-1	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	1	1	0	0
1944	Dry	0	0	0	0	16	0	-3	-3	-3	-3	-3	-3	0
1945	Below Norm	-3	-3	-3	0	3	-7	0	0	0	0	0	0	-1
1946	Below Norm	0	0	0	0	0	0	0	0	1	0	0	0	0
1947	Dry	0	0	0	0	0	6	3	3	3	4	4	3	2
1948	Below Norm	3	3	3	1	1	0	-2	-1	-1	-1	-1	-1	0
1949	Dry	-1	-1	-1	-3	-3	-1	-2	-3	-3	-3	-4	-4	-3
1950	Below Norm	-4	-4	-3	-1	0	3	1	1	1	1	1	1	0
1951	Above Norm	1	1	1	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norm	0	0	0	0	0	0	0	0	0	-1	-2	0	0
1955	Dry	0	0	0	0	0	1	-1	1	1	1	3	3	1
1956	Wet	4	5	3	0	0	0	0	0	0	0	0	0	1
1957	Above Norm	0	0	0	0	0	0	2	2	1	1	1	1	1
1958	Wet	1	1	1	0	0	0	0	0	0	0	0	0	0
1959	Below Norm	0	0	-1	0	0	1	1	1	1	1	1	1	0
1960	Dry	1	1	1	0	0	1	10	2	-1	0	-3	-3	1
1961	Dry	6	6	12	11	-1	-3	3	1	0	0	-1	0	3
1962	Below Norm	2	2	4	3	3	-27	-8	-3	-2	-3	-3	-2	-3
1963	Wet	-4	-3	-3	-1	0	0	0	0	0	-3	-2	-1	-1
1964	Dry	-1	-1	-1	22	0	7	11	-5	-17	0	-1	-1	1
1965	Wet	2	3	5	2	0	1	1	1	1	1	1	1	2
1966	Below Norm	1	1	1	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	12	0	0	-1	-1	-1	-1	-1	-1	1
1968	Below Norm	-1	-1	0	0	0	0	0	1	1	1	1	0	0
1969	Wet	0	0	0	11	0	0	-1	0	-1	-1	-1	-1	1
1970	Wet	-1	-1	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	5	-2	0
1972	Below Norm	-2	-1	0	14	0	3	6	-2	-3	-3	-4	-4	0
1973	Above Norm	0	0	3	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	5	3	3	3	3	2	1
1977	Critical	2	2	2	1	1	0	-3	-4	-5	-4	-4	-3	-1
1978	Above Norm	-2	-1	-1	28	-8	0	0	1	0	1	1	1	2
1979	Below Norm	2	3	4	-7	-3	-3	0	0	0	0	0	0	0
1980	Above Norm	0	0	0	1	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	1	1	1	1	1	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	-1	-4	-2	2	-2	-3	-1
1986	Wet	-3	-3	-3	-1	3	0	2	2	2	2	2	2	0
1987	Dry	2	2	2	2	0	-2	-1	-1	-1	-1	-1	-1	0
1988	Critical	-1	-1	-1	-1	-2	0	-2	-3	-3	-3	-3	-2	-2
1989	Dry	-1	-1	-1	0	0	0	0	0	0	0	0	0	0
1990	Critical	1	1	1	2	2	1	0	0	0	0	0	0	1
1991	Critical	0	0	0	0	0	0	1	1	1	1	1	1	0
1992	Critical	0	0	0	0	0	-2	0	0	0	0	-1	-1	0
1993	Above Norm	-1	-2	-1	0	1	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	1	1	2	6	1	-1	-1	-3	-2	0
1995	Wet	3	4	8	9	0	-1	2	5	1	4	4	2	3
1996	Wet	2	0	-11	0	0	0	0	1	0	0	0	0	-1
1997	Wet	0	0	0	0	0	0	2	2	2	2	2	2	1
1998	Wet	2	2	2	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norm	0	0	0	16	0	0	3	4	1	2	0	-1	2
2001	Dry	-1	-1	-1	0	0	0	1	1	1	1	1	1	0
2002	Dry	1	1	0	0	5	0	3	2	2	2	1	1	1
2003	Above Norm	2	2	3	9	0	9	-3	-1	-3	1	1	0	2
Average		0	0	0	2	0	0	1	0	0	0	0	0	0
Wet		0	0	0	1	0	0	0	0	0	0	0	0	0
Above Norm		0	0	0	6	-1	1	1	1	0	0	0	0	1
Below Norm		0	0	0	1	0	-1	0	0	0	0	0	0	0
Dry		0	1	1	1	0	1	2	0	-1	0	0	0	0
Critical		0	0	1	1	2	0	0	0	-1	-1	-1	-1	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at Teerink: CP2_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	173%	3%	0%	-1%	-1%	-1%	-1%	-1%	-1%
1923	Below Norma	-1%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%	4%	10%
1924	Critical	3%	3%	3%	5%	5%	4%	-1%	-1%	-1%	-1%	-1%	-1%
1925	Dry	-1%	-1%	-1%	-24%	1%	29%	0%	-3%	-3%	0%	8%	8%
1926	Dry	20%	33%	31%	13%	-17%	49%	-2%	-1%	-3%	-3%	-3%	-3%
1927	Wet	-3%	-3%	-3%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1928	Above Norma	0%	0%	0%	19%	0%	2%	17%	3%	-4%	-4%	-4%	-5%
1929	Critical	-5%	-5%	-5%	1%	1%	1%	2%	2%	2%	2%	2%	2%
1930	Dry	3%	2%	2%	3%	-13%	0%	17%	2%	-2%	-1%	-4%	-4%
1931	Critical	9%	10%	33%	84%	81%	36%	-8%	-8%	-9%	-8%	-8%	-8%
1932	Dry	-10%	-9%	-9%	-7%	-1%	-2%	1%	1%	1%	-1%	-5%	-5%
1933	Critical	-11%	-18%	-10%	-18%	57%	-2%	2%	2%	2%	0%	-4%	-4%
1934	Critical	-9%	-14%	-13%	-5%	11%	-2%	0%	0%	0%	0%	0%	0%
1935	Below Norma	0%	0%	0%	-1%	0%	0%	4%	0%	0%	0%	0%	0%
1936	Below Norma	0%	1%	-1%	-6%	0%	0%	1%	0%	0%	0%	0%	0%
1937	Below Norma	1%	-2%	2%	3%	0%	18%	-3%	-3%	-2%	-2%	-2%	-2%
1938	Wet	-3%	-3%	-3%	1%	0%	0%	0%	-1%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1940	Above Norma	0%	0%	0%	-3%	-1%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	11%	0%	0%	0%	0%	0%	0%	0%	-1%
1942	Wet	-4%	-2%	-2%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%
1944	Dry	1%	1%	1%	1%	37%	0%	-4%	-4%	-4%	-4%	-4%	-4%
1945	Below Norma	-5%	-5%	-5%	-1%	8%	-11%	0%	1%	1%	1%	1%	1%
1946	Below Norma	1%	1%	1%	0%	0%	0%	0%	1%	0%	0%	0%	0%
1947	Dry	0%	0%	0%	0%	0%	20%	6%	6%	6%	6%	6%	6%
1948	Below Norma	6%	7%	7%	4%	5%	2%	-7%	-2%	-2%	-2%	-2%	-2%
1949	Dry	-2%	-2%	-2%	-11%	-11%	-9%	-5%	-6%	-6%	-7%	-8%	-8%
1950	Below Norma	-11%	-13%	-13%	-8%	-5%	7%	2%	2%	2%	2%	2%	2%
1951	Above Norma	2%	2%	2%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Norma	0%	0%	0%	1%	0%	0%	0%	0%	0%	-1%	-3%	0%
1955	Dry	0%	0%	0%	0%	0%	5%	-2%	2%	2%	3%	7%	8%
1956	Wet	14%	19%	19%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norma	0%	0%	0%	1%	0%	0%	3%	4%	2%	2%	2%	2%
1958	Wet	2%	2%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	-1%	0%	0%	2%	1%	1%	1%	1%	1%	1%
1960	Dry	1%	1%	1%	1%	1%	4%	20%	4%	-1%	0%	-5%	-4%
1961	Dry	12%	15%	35%	60%	-5%	-7%	6%	1%	0%	0%	-1%	-1%
1962	Below Norma	4%	4%	11%	17%	19%	-48%	-11%	-4%	-3%	-4%	-4%	-4%
1963	Wet	-6%	-6%	-5%	-2%	0%	0%	0%	0%	0%	-4%	-2%	-1%
1964	Dry	-1%	-1%	-1%	57%	0%	12%	-24%	-9%	-34%	1%	-2%	-2%
1965	Wet	6%	7%	16%	4%	0%	2%	3%	3%	3%	3%	3%	3%
1966	Below Norma	3%	3%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	0%	28%	0%	0%	-2%	-2%	-2%	-2%	-2%	-2%
1968	Below Norma	-2%	-2%	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%
1969	Wet	1%	1%	1%	26%	0%	0%	-1%	0%	-1%	-1%	-1%	-1%
1970	Wet	-2%	-2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	7%	-2%
1972	Below Norma	-3%	-2%	-1%	32%	0%	4%	14%	-4%	-6%	-5%	-8%	-7%
1973	Above Norma	0%	1%	13%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	8%	5%	5%	5%	5%	5%
1977	Critical	6%	6%	6%	3%	4%	1%	-22%	-25%	-27%	-27%	-26%	-27%
1978	Above Norma	-27%	-29%	-27%	123%	-15%	0%	0%	1%	0%	2%	2%	1%
1979	Below Norma	4%	5%	7%	-32%	-6%	-5%	0%	0%	0%	0%	0%	0%
1980	Above Norma	0%	0%	0%	1%	0%	0%	0%	1%	1%	1%	1%	0%
1981	Dry	1%	1%	1%	0%	0%	0%	1%	1%	1%	1%	1%	1%
1982	Wet	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	-1%	-6%	-3%	3%	-4%	-5%
1986	Wet	-5%	-5%	-6%	-2%	8%	0%	3%	4%	4%	4%	4%	4%
1987	Dry	4%	4%	4%	4%	0%	-4%	-2%	-2%	-2%	-2%	-2%	-2%
1988	Critical	-3%	-3%	-3%	-3%	-5%	-2%	-8%	-8%	-9%	-9%	-8%	-9%
1989	Dry	-10%	-9%	-8%	-7%	-10%	2%	0%	0%	1%	1%	1%	1%
1990	Critical	1%	1%	2%	51%	51%	15%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	0%	-2%	-5%	-14%	3%	3%	3%	3%	3%	3%
1992	Critical	4%	3%	3%	1%	0%	-20%	1%	1%	1%	0%	-2%	-2%
1993	Above Norma	-5%	-7%	-7%	0%	1%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	2%	1%	4%	14%	1%	-3%	-2%	-6%	-5%
1995	Wet	9%	11%	31%	47%	0%	-2%	3%	8%	2%	6%	5%	3%
1996	Wet	3%	1%	-16%	0%	0%	0%	0%	1%	0%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	4%	4%	4%	4%	4%	4%
1998	Wet	4%	5%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norma	0%	0%	0%	44%	0%	0%	4%	5%	1%	3%	0%	-2%
2001	Dry	-2%	-2%	-2%	0%	0%	0%	2%	2%	2%	2%	2%	2%
2002	Dry	2%	2%	2%	1%	10%	0%	5%	4%	3%	3%	3%	3%
2003	Above Norma	5%	5%	6%	20%	0%	17%	-6%	-1%	-4%	2%	1%	0%
Average		0%	0%	1%	9%	3%	1%	1%	0%	-1%	0%	-1%	-1%
Wet		1%	1%	2%	4%	0%	0%	0%	1%	0%	0%	1%	0%
Above Norma		-2%	-2%	-1%	31%	-1%	2%	1%	1%	0%	0%	0%	0%
Below Norma		0%	0%	1%	1%	1%	-2%	0%	0%	-1%	-1%	0%	0%
Dry		1%	2%	3%	5%	0%	6%	4%	0%	-2%	0%	-1%	-1%
Critical		0%	-1%	1%	10%	17%	2%	-1%	-2%	-3%	-3%	-4%	-4%

Difference in Energy generated (GWh) at CVP San Luis: CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	-1	-5	-4	-5	3	0	-1
1924	Critical	0	0	0	0	-16	1	0	3	-2	-1	4	-5	-1
1925	Dry	0	0	0	0	0	0	0	1	-1	-1	-1	0	0
1926	Dry	0	0	0	0	0	0	0	-6	1	3	2	-8	-1
1927	Wet	0	0	0	0	0	0	0	5	0	-1	-1	0	0
1928	Above Norma	0	0	0	0	0	0	0	7	8	-7	1	0	1
1929	Critical	0	0	0	0	0	1	1	-4	-12	-10	0	0	-2
1930	Dry	0	0	0	0	0	0	0	-1	-1	-12	11	0	0
1931	Critical	0	0	0	0	-3	0	1	2	5	-2	2	0	0
1932	Dry	0	0	0	0	0	0	0	1	1	1	1	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	-5	0
1935	Below Norma	0	0	0	0	0	0	0	-1	-2	-1	2	0	0
1936	Below Norma	0	0	0	0	0	0	0	-2	-2	2	-5	0	-1
1937	Below Norma	0	0	0	0	0	0	0	0	-2	-2	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	5	2	9	4	-9	0	1
1940	Above Norma	0	0	0	0	0	0	-1	-2	-4	-4	-2	0	-1
1941	Wet	0	0	0	0	0	0	0	0	0	0	6	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	1	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	5	6	-4	-11	-7	0	-1
1945	Below Norma	0	0	0	0	0	0	0	2	0	0	0	0	0
1946	Below Norma	0	0	0	0	-2	0	1	1	1	-9	4	0	0
1947	Dry	0	0	0	0	0	0	2	2	6	-8	-5	0	0
1948	Below Norma	0	0	0	0	0	0	0	0	0	-1	-7	0	-1
1949	Dry	0	0	0	0	0	0	0	0	1	1	-1	0	0
1950	Below Norma	0	0	0	0	0	0	0	-12	4	3	2	0	0
1951	Above Norma	0	0	0	0	0	0	0	-12	-3	6	3	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	1	4	7	-1	-3	-22	0	-1
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	-1	16	-3	0	1
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	2	11	20	4	15	0	4
1961	Dry	0	0	0	0	0	13	-1	0	-1	-3	1	0	1
1962	Below Norma	-7	0	0	0	0	0	2	-2	8	11	0	0	1
1963	Wet	0	0	0	0	0	0	0	1	2	2	1	0	0
1964	Dry	0	0	0	0	0	0	2	5	19	-14	-16	0	0
1965	Wet	0	0	0	0	0	0	4	2	4	3	2	0	1
1966	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	-1	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	3	4	22	-6	0	2
1971	Wet	0	0	0	0	0	0	0	0	1	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	0	-2	-8	-2	0	0	-1
1973	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	2	-1	-2	-2	4	-4	0
1977	Critical	0	0	0	0	-1	2	3	1	2	9	15	0	3
1978	Above Norma	4	0	0	0	0	0	0	0	-1	-1	0	0	0
1979	Below Norma	0	0	0	0	0	0	0	3	4	1	1	0	1
1980	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	-1	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	1	2	8	2	-1	0	1
1986	Wet	0	0	0	0	0	0	0	9	21	-22	8	0	1
1987	Dry	0	0	0	0	0	0	-2	0	-4	16	-13	0	0
1988	Critical	0	0	0	0	2	1	1	1	1	-1	1	0	0
1989	Dry	0	0	0	0	-3	0	0	3	8	8	5	0	2
1990	Critical	0	0	0	0	0	0	0	0	0	1	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	-1	-1	6	0	0
1992	Critical	0	0	0	0	0	0	1	0	-1	0	-2	0	0
1993	Above Norma	0	0	0	0	0	0	0	0	-1	-2	-1	0	0
1994	Critical	0	0	0	0	0	0	0	-2	-5	1	1	0	0
1995	Wet	-1	0	0	0	0	0	0	0	-1	-2	-2	0	-1
1996	Wet	0	0	0	0	0	0	0	0	-2	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	-2	0	2	-1	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	-1	20	-2	0	1
2001	Dry	0	0	0	0	0	0	5	7	-5	-4	0	-3	0
2002	Dry	0	0	0	0	-1	0	-1	1	0	1	-3	0	0
2003	Above Norma	0	0	0	0	0	0	2	3	15	-3	0	0	1
Average		0	0	0	0	0	0	0	0	1	0	0	0	0
Wet		0	0	0	0	0	0	0	1	1	0	0	0	0
Above Norma		0	0	0	0	0	0	0	0	1	2	0	0	0
Below Norma		0	0	0	0	0	0	0	-1	0	0	0	0	0
Dry		0	0	0	0	0	1	1	2	3	-1	-2	-1	0
Critical		0	0	0	0	-1	0	1	0	-1	0	2	-1	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy generated (GWh) at CVP San Luis: CP3_2020 minus CONV_NA

Year Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922 Above Norma -	-	-	-	-	-	-	-	0%	0%	0%	1%	-
1923 Below Norma -	-	-	-	-	-	-	-18%	-11%	-9%	-17%	18%	-
1924 Critical -	-	-	-	-	-100%	22%	25%	36%	-12%	-11%	21%	-100%
1925 Dry -	-	-	-	-	-	-	-	5%	-1%	-1%	-3%	-
1926 Dry -	-	-	-	-	-	-	-	-16%	2%	9%	5%	-84%
1927 Wet -	-	-	-	-	-	-	0%	11%	-1%	-3%	-13%	-
1928 Above Norma -	-	-	-	-	-	-	-1%	18%	16%	-14%	8%	-
1929 Critical -	-	-	-	-	-	16%	7%	-19%	-34%	-46%	0%	-
1930 Dry -	-	-	-	-	-	-	-4%	-2%	-2%	-28%	42%	-
1931 Critical -	-	-	-	-	-100%	-	11%	18%	33%	-24%	11%	-
1932 Dry -	-	-	-	-	-	4%	5%	3%	5%	6%	14%	-
1933 Critical -	-	-	-	-	-	0%	0%	0%	0%	0%	1%	-
1934 Critical -	-	-	-	-	-	-2%	-1%	-1%	-1%	-1%	0%	-85%
1935 Below Norma -	-4%	-	-	-	-	-	-	-3%	-6%	-2%	10%	-
1936 Below Norma -	-	-	-	-	-	-	-	-9%	-5%	5%	-20%	-
1937 Below Norma -	-	-	-	-	-	-	-	-	-4%	-4%	-2%	-
1938 Wet -	-	-	-	-	-	-	-	-	0%	0%	0%	-
1939 Dry -	-	-	-	-	-	-	32%	5%	22%	18%	-40%	-
1940 Above Norma -	-	-	-	-	-	-	-30%	-8%	-8%	-9%	-28%	-
1941 Wet -	-	-	-	-	-	-	-	-1%	-1%	-1%	48%	-
1942 Wet -	-	-	-	-	-	-	0%	0%	0%	0%	2%	-
1943 Wet -	-	-	-	-	-	-	-	2%	0%	-1%	0%	-
1944 Dry -	-	-	-	-	-	-	37%	21%	-11%	-29%	-29%	-
1945 Below Norma -	-	-	-	-	-	-	0%	5%	1%	2%	0%	-
1946 Below Norma -	-	-	-	-	-79%	-	7%	5%	4%	-27%	70%	-
1947 Dry -	-	-	-	-	-	-	10%	3%	18%	-24%	-23%	-
1948 Below Norma -	-	-	-	-	-	-	-	0%	0%	-3%	-41%	-
1949 Dry -	-	-	-	-	-	-	0%	0%	3%	3%	-3%	-
1950 Below Norma -	-	-	-	-	-	-	-	-31%	12%	7%	125%	-
1951 Above Norma -	-	-	-	-	-	-	0%	-24%	-5%	13%	44%	-
1952 Wet -	-	-	-	-	-	-	-	-	0%	0%	0%	-
1953 Wet -	-	-	-	-	-	1%	0%	0%	0%	-1%	0%	-
1954 Above Norma -	-	-	-	-	-	-	0%	0%	0%	-1%	0%	-
1955 Dry -	-	-	-	-	-	-	29%	26%	-3%	-16%	-62%	-
1956 Wet -	-	-	-	-	-	-	1%	1%	0%	0%	-1%	-
1957 Above Norma -	-	-	-	-	-	-	-1%	-1%	-2%	53%	-20%	-
1958 Wet -	-	-	-	-	-	-	-	0%	0%	0%	0%	-
1959 Below Norma -	-	-	-	-	-	-	0%	0%	-1%	0%	1%	-
1960 Dry -	-	-	-	-	-	-	22%	57%	89%	15%	108%	-
1961 Dry -	-	-	-	-	-	-	-4%	1%	-3%	-10%	14%	-
1962 Below Norma -	-100%	-	-	-	-	-	13%	-4%	24%	46%	4%	-
1963 Wet -	-	-	-	-	-	-	2%	2%	4%	5%	5%	-
1964 Dry -	-	-	-	-	-	-	20%	23%	81%	-48%	-82%	-
1965 Wet -	-	-	-	-	-	-	91%	5%	7%	8%	17%	-
1966 Below Norma -	-	-	-	-	-	-	0%	0%	0%	-1%	0%	-
1967 Wet -	-	-	-	-	-	-	-	0%	0%	0%	0%	-
1968 Below Norma -	-	-	-	-	-	-	0%	0%	0%	-5%	0%	-
1969 Wet -	-	-	-	-	-	-	-	0%	0%	0%	0%	-
1970 Wet -	-	-	-	-	-	-	0%	7%	7%	54%	-89%	-
1971 Wet -	-	-	-	-	-	-	1%	1%	2%	1%	4%	-
1972 Below Norma -	-	-	-	-	-	-	-2%	-4%	-17%	-4%	0%	-
1973 Above Norma -	-	-	-	-	-	-	0%	0%	0%	0%	0%	-
1974 Wet -	-	-	-	-	-	-	-	0%	0%	0%	0%	-
1975 Wet -	-	-	-	-	-	-	0%	-1%	0%	0%	0%	-
1976 Critical -	-	-	-	-	-	-	16%	-3%	-5%	-7%	11%	-65%
1977 Critical -	-	-	-	-	-100%	41%	54%	10%	10%	-	309%	-
1978 Above Norma -	-	-	-	-	-	-	-	0%	-1%	-	-2%	-
1979 Below Norma -	-	-	-	-	-	-	0%	12%	7%	2%	8%	-
1980 Above Norma -	-	-	-	-	-	-	-	0%	0%	0%	-1%	-
1981 Dry -	-	-	-	-	-	-	0%	0%	-1%	-1%	2%	-
1982 Wet -	-	-	-	-	-	-	-	0%	0%	0%	0%	-
1983 Wet -	-	-	-	-	-	-	-	0%	0%	0%	0%	-
1984 Wet -	-	-	-	-	-	-	0%	0%	0%	0%	0%	-
1985 Dry -	-	-	-	-	-	-	8%	6%	21%	11%	-10%	-
1986 Wet -	-	-	-	-	-	-	-	-	107%	-24%	110%	-
1987 Dry -	-	-	-	-	-	-	-10%	1%	-11%	80%	-36%	-
1988 Critical -	-	-	-	-	-	4%	8%	6%	4%	-4%	3%	-
1989 Dry -	-	-	-	-	-100%	-	-11%	12%	33%	31%	32%	-
1990 Critical -	-	-	-	-	-	-	0%	0%	0%	7%	0%	0%
1991 Critical -	-	-	-	-	-	-	-1%	-1%	-2%	-5%	40%	-
1992 Critical -	-	-	-	-	-	-	8%	-1%	-2%	1%	-7%	-
1993 Above Norma -	-	-	-	-	-	-	-	0%	-3%	-6%	-3%	-
1994 Critical -	-	-	-	-	-	-	-2%	-6%	-10%	3%	10%	-
1995 Wet -	-100%	-	-	-	-	-	-	-	-3%	-5%	-7%	-
1996 Wet -	-	-	-	-	-	-	0%	0%	-3%	1%	0%	-
1997 Wet -	-	-	-	-	-	-	0%	-5%	0%	5%	-5%	-
1998 Wet -	-	-	-	-	-	-	-	0%	0%	0%	0%	-
1999 Wet -	-	-	-	-	-	-	0%	0%	0%	0%	0%	-
2000 Above Norma -	-	-	-	-	-	-	0%	0%	-1%	53%	-17%	-
2001 Dry -	-	-	-	-	-	-	41%	27%	-11%	-16%	1%	-71%
2002 Dry -	-	-	-	-	-100%	-	-4%	2%	-1%	3%	-26%	-
2003 Above Norma -	-	-	-	-	-	-	63%	11%	39%	-9%	-100%	-
Average	-68%	#DIV/0!	#DIV/0!	#DIV/0!	-97%	11%	7%	3%	5%	0%	5%	-67%
Wet	-4%	0%	0%	0%	0%	0%	4%	1%	5%	2%	3%	0%
Above Norma	0%	0%	0%	0%	0%	0%	3%	0%	3%	7%	-10%	0%
Below Norma	-7%	0%	0%	0%	-6%	0%	0%	-3%	0%	0%	12%	0%
Dry	0%	0%	0%	0%	-11%	0%	10%	10%	13%	0%	-5%	-9%
Critical	0%	0%	0%	0%	-25%	7%	10%	3%	-2%	-7%	33%	-21%

Difference in Energy generated (GWh) at Folsom Dam : CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norm	0	0	0	0	0	0	0	0	0	0	-2	4	0
1924	Critical	3	0	0	0	-10	2	0	0	0	1	-2	0	0
1925	Dry	6	0	1	1	0	0	0	0	2	2	2	-6	1
1926	Dry	1	0	0	1	-2	4	-4	0	-5	0	-7	10	0
1927	Wet	-3	-2	-2	10	0	0	0	0	0	1	2	-3	0
1928	Above Norm	0	0	0	-3	3	0	0	-18	-4	16	-15	6	-1
1929	Critical	1	2	2	1	0	1	0	6	6	0	-1	1	2
1930	Dry	0	0	0	0	0	0	0	-3	-1	9	-4	-4	0
1931	Critical	0	1	1	6	0	0	0	0	-4	-2	-1	-5	0
1932	Dry	5	0	0	0	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	1	0
1934	Critical	0	0	0	0	0	-2	0	0	1	0	0	0	0
1935	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norm	0	0	0	0	0	0	0	0	0	-6	6	0	0
1937	Below Norm	0	0	1	1	-2	0	0	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	-6	0	-3	25	-11	10	1
1940	Above Norm	-2	-14	0	-6	0	0	0	-8	0	-3	0	3	-2
1941	Wet	-20	-7	36	6	0	0	0	0	0	0	0	0	1
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	-15	3	4	-4	-1
1945	Below Norm	1	1	0	1	1	0	0	0	-1	-14	2	15	0
1946	Below Norm	0	0	0	0	-9	10	0	0	-3	18	-27	-1	-1
1947	Dry	1	9	1	0	2	2	-5	0	-7	9	-4	7	1
1948	Below Norm	0	0	0	-10	4	0	7	0	0	-4	2	2	0
1949	Dry	0	0	0	0	-13	14	0	0	-10	-3	-2	6	-1
1950	Below Norm	0	1	1	9	0	0	0	0	0	0	0	0	1
1951	Above Norm	-14	2	0	0	0	0	0	0	-6	1	-6	-7	-3
1952	Wet	1	7	13	0	0	0	0	0	0	0	0	0	2
1953	Wet	0	0	0	0	0	0	0	0	0	-2	2	0	0
1954	Above Norm	0	0	0	0	0	0	0	-5	0	0	0	0	0
1955	Dry	0	1	1	1	-16	1	2	2	3	-6	13	-1	0
1956	Wet	-2	1	2	0	0	0	0	0	0	0	0	0	0
1957	Above Norm	0	0	0	0	0	0	0	0	-2	0	0	-1	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norm	0	0	0	0	0	-3	1	1	1	0	0	0	0
1960	Dry	0	0	0	0	1	0	0	0	0	-20	-3	1	-2
1961	Dry	1	2	2	1	0	1	1	1	1	15	0	0	2
1962	Below Norm	0	0	1	0	5	0	0	0	-1	0	-21	2	-1
1963	Wet	22	0	0	0	0	-8	8	0	0	-1	0	0	2
1964	Dry	0	1	0	0	0	0	0	0	-4	-1	5	-1	0
1965	Wet	0	2	-1	0	0	-13	15	-7	8	-2	0	2	0
1966	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	-11	11	0	0	0	0	0	0	0	0	0
1968	Below Norm	0	0	0	0	0	0	0	0	2	-2	0	0	0
1969	Wet	0	0	-2	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	-3	4	-18	1	-1
1971	Wet	1	1	17	0	-4	4	0	0	0	0	0	0	2
1972	Below Norm	0	0	0	0	0	0	0	0	-5	8	-12	-11	-2
1973	Above Norm	2	2	18	0	0	0	0	0	0	0	0	0	2
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	-6	1	0	0	0
1977	Critical	0	1	0	0	0	0	0	0	0	-6	9	0	0
1978	Above Norm	0	1	0	-1	0	0	0	0	0	0	0	0	0
1979	Below Norm	0	0	1	-1	0	0	-2	2	-2	4	-1	-1	0
1980	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	1	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	-5	0	-6	1	-2	11	0
1985	Dry	0	3	0	0	0	3	0	-1	-5	-1	-1	2	0
1986	Wet	0	0	1	2	0	0	0	0	0	36	-27	-11	0
1987	Dry	0	0	0	0	0	0	-1	-2	5	-2	-3	-3	0
1988	Critical	0	1	0	0	0	0	0	0	0	0	0	0	0
1989	Dry	0	0	15	-3	12	-26	0	0	-4	0	0	6	0
1990	Critical	0	-3	2	2	-2	0	0	0	0	0	0	1	0
1991	Critical	0	0	0	0	0	0	0	0	0	-1	0	0	0
1992	Critical	0	0	0	0	0	0	-2	-1	-1	-1	-2	0	-1
1993	Above Norm	0	0	0	8	0	0	0	0	0	0	0	0	1
1994	Critical	0	0	0	0	0	0	0	0	-7	-4	0	-15	-2
1995	Wet	15	0	0	2	0	0	0	0	0	0	0	0	1
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	-8	-17	1	4	-2
1998	Wet	4	2	5	14	0	0	0	0	0	0	0	0	2
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norm	0	0	0	0	0	0	0	0	-4	0	1	1	0
2001	Dry	0	1	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	-2	-14	7	1	-6	10	0	-8	-1
2003	Above Norm	1	7	1	9	-8	9	0	0	-15	1	9	4	1
Average		0	0	1	1	0	0	0	0	-1	1	-1	0	0
Wet		1	0	2	2	0	-1	1	0	0	1	-2	0	0
Above Norm		-1	0	2	1	0	1	0	-3	-3	1	-1	1	0
Below Norm		0	0	0	0	0	1	0	0	-1	0	-4	1	0
Dry		1	1	1	0	-1	-1	0	0	-3	2	-1	1	0
Critical		0	0	0	1	-1	0	0	1	-1	-1	0	-1	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy generated (GWh) at Folsom Dam : CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1923	Below Norma	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%	-6%	10%
1924	Critical	11%	-1%	-1%	-1%	-56%	9%	1%	1%	0%	5%	-16%	-3%
1925	Dry	56%	0%	3%	4%	0%	0%	0%	0%	2%	4%	12%	-14%
1926	Dry	2%	0%	1%	2%	-4%	13%	-12%	0%	-9%	1%	-32%	108%
1927	Wet	-9%	-8%	-8%	21%	0%	0%	0%	0%	0%	1%	4%	-9%
1928	Above Norma	0%	0%	-1%	-11%	11%	0%	0%	-37%	-10%	32%	-35%	34%
1929	Critical	3%	7%	7%	7%	3%	6%	2%	26%	16%	0%	-3%	3%
1930	Dry	0%	0%	0%	0%	0%	-1%	0%	-9%	-2%	21%	-15%	-16%
1931	Critical	0%	3%	3%	31%	1%	0%	-1%	3%	-16%	-11%	-11%	-32%
1932	Dry	48%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1933	Critical	0%	0%	0%	0%	0%	0%	-1%	0%	-1%	1%	1%	5%
1934	Critical	1%	0%	0%	0%	-1%	-6%	0%	2%	2%	2%	0%	5%
1935	Below Norma	0%	0%	0%	1%	0%	0%	0%	0%	1%	0%	-1%	0%
1936	Below Norma	0%	0%	1%	0%	0%	0%	0%	0%	0%	-8%	15%	0%
1937	Below Norma	0%	0%	2%	3%	-3%	0%	0%	0%	0%	0%	0%	0%
1938	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	0%	0%	-18%	1%	-14%	58%	-55%	141%
1940	Above Norma	-7%	-66%	-4%	-17%	0%	0%	0%	-13%	1%	-4%	0%	18%
1941	Wet	-41%	-20%	110%	7%	0%	0%	0%	0%	0%	0%	0%	0%
1942	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%
1944	Dry	0%	0%	1%	1%	2%	2%	1%	0%	-31%	6%	11%	-17%
1945	Below Norma	2%	2%	2%	3%	1%	0%	0%	0%	-2%	-18%	5%	46%
1946	Below Norma	0%	-1%	0%	0%	-20%	26%	0%	0%	-4%	30%	-43%	-6%
1947	Dry	2%	26%	2%	2%	7%	6%	-15%	1%	-24%	21%	-13%	38%
1948	Below Norma	0%	-1%	-2%	-57%	54%	0%	18%	0%	0%	-6%	4%	3%
1949	Dry	0%	0%	1%	1%	-35%	53%	0%	-1%	-16%	-5%	-3%	33%
1950	Below Norma	-2%	3%	3%	24%	0%	0%	0%	0%	0%	0%	0%	0%
1951	Above Norma	-32%	1%	0%	0%	0%	0%	0%	0%	-10%	1%	-13%	-25%
1952	Wet	3%	23%	17%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	-3%	4%	0%
1954	Above Norma	0%	0%	0%	0%	0%	0%	0%	-10%	1%	-1%	1%	0%
1955	Dry	1%	4%	4%	4%	-64%	3%	12%	4%	10%	-17%	51%	-8%
1956	Wet	-7%	4%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	-3%	0%	-1%	-3%
1958	Wet	1%	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	0%	0%	0%	-9%	3%	2%	2%	0%	0%	0%
1960	Dry	0%	0%	0%	0%	6%	0%	0%	0%	0%	-53%	-11%	6%
1961	Dry	5%	6%	7%	7%	6%	5%	6%	5%	5%	28%	4%	2%
1962	Below Norma	2%	2%	8%	-6%	15%	0%	0%	0%	-3%	0%	-49%	13%
1963	Wet	49%	0%	0%	0%	0%	-24%	8%	0%	0%	-2%	0%	0%
1964	Dry	0%	2%	0%	0%	0%	0%	0%	0%	-12%	-2%	13%	-3%
1965	Wet	0%	9%	-1%	0%	0%	-40%	18%	-10%	15%	-2%	0%	3%
1966	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%
1967	Wet	0%	0%	-42%	12%	0%	0%	0%	0%	0%	0%	0%	0%
1968	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	11%	-2%	3%	0%
1969	Wet	0%	0%	-7%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	0%	0%	0%	-8%	6%	-49%	4%
1971	Wet	4%	4%	24%	0%	-7%	7%	0%	0%	0%	0%	-1%	0%
1972	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	-15%	11%	-43%	-45%
1973	Above Norma	6%	9%	43%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	0%	-3%	-43%	6%	1%	1%
1977	Critical	1%	4%	-4%	2%	2%	2%	2%	2%	2%	-55%	298%	5%
1978	Above Norma	2%	9%	0%	-3%	0%	0%	0%	0%	0%	0%	0%	0%
1979	Below Norma	0%	1%	3%	-4%	0%	0%	-5%	3%	-3%	6%	-5%	-3%
1980	Above Norma	0%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	0%	0%	0%	0%	3%	-1%	0%	0%
1982	Wet	0%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	-15%	1%	-11%	1%	-8%	37%
1985	Dry	0%	5%	0%	0%	0%	16%	-1%	-1%	-10%	-3%	-4%	26%
1986	Wet	1%	0%	4%	4%	0%	0%	-1%	-1%	89%	-42%	-16%	-16%
1987	Dry	0%	0%	0%	0%	0%	0%	-3%	-6%	15%	-6%	-18%	-23%
1988	Critical	1%	4%	1%	1%	-1%	1%	1%	1%	1%	1%	1%	1%
1989	Dry	1%	1%	173%	-12%	174%	-21%	0%	-1%	-6%	-1%	-1%	41%
1990	Critical	0%	-11%	10%	10%	-18%	1%	0%	1%	0%	-1%	-2%	6%
1991	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	1%	2%
1992	Critical	0%	1%	0%	0%	0%	0%	-3%	-5%	-8%	-6%	-18%	3%
1993	Above Norma	2%	4%	3%	20%	0%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	0%	0%	0%	0%	0%	-23%	-8%	4%	-67%
1995	Wet	166%	5%	-3%	2%	0%	0%	0%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	0%	0%	-20%	-21%	4%	15%
1998	Wet	14%	8%	18%	13%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	0%
2000	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	-8%	1%	2%	5%
2001	Dry	1%	3%	0%	0%	2%	1%	1%	0%	1%	0%	1%	0%
2002	Dry	0%	2%	2%	-2%	-4%	-21%	18%	1%	-11%	17%	-1%	-38%
2003	Above Norma	4%	27%	5%	24%	-17%	43%	0%	0%	-26%	2%	43%	23%
Average		4%	1%	5%	1%	1%	1%	0%	0%	-3%	1%	0%	4%
Wet		7%	1%	4%	2%	0%	-2%	0%	0%	-1%	3%	0%	1%
Above Norma		-2%	-1%	4%	1%	-1%	4%	0%	-5%	-5%	3%	0%	4%
Below Norma		0%	0%	1%	-3%	3%	1%	0%	-1%	0%	1%	-9%	1%
Dry		7%	3%	11%	0%	5%	3%	-1%	0%	-6%	4%	-4%	15%
Critical		1%	1%	1%	4%	-6%	1%	0%	2%	-6%	-6%	21%	-6%

Difference in Energy generated (GWh) at Judge Francis Carr : CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norm	0	0	0	0	0	5	0	0	16	17	0	16	5
1923	Below Norm	0	0	4	5	5	2	0	0	8	-9	0	-25	-1
1924	Critical	0	0	0	-42	-24	-3	16	0	0	0	0	-27	-7
1925	Dry	0	0	0	4	0	0	0	0	25	0	0	0	2
1926	Dry	0	0	0	0	0	0	0	0	1	0	-5	0	0
1927	Wet	0	0	0	3	0	0	0	0	0	0	0	0	0
1928	Above Norm	0	0	0	0	-3	0	0	0	25	17	0	0	3
1929	Critical	0	0	0	-62	5	5	0	4	3	0	0	0	-4
1930	Dry	0	0	-5	0	0	0	0	0	25	0	0	0	2
1931	Critical	0	0	0	0	-3	-2	0	0	0	0	0	0	0
1932	Dry	-23	-7	0	20	0	0	11	-11	3	0	-3	0	-1
1933	Critical	0	0	1	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	1	0	0	0	8	1
1935	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norm	0	0	0	0	0	3	-3	0	0	8	8	0	1
1937	Below Norm	0	0	-3	-3	0	0	-3	0	0	17	8	8	2
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	-39	-3
1939	Dry	0	0	0	0	0	-50	2	-11	-53	110	0	14	1
1940	Above Norm	-22	-23	0	0	0	0	0	0	0	0	0	33	-1
1941	Wet	0	-8	0	0	0	0	0	0	0	0	0	0	-1
1942	Wet	0	0	0	0	0	0	-11	0	0	11	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	3	0	0	0	0	0	0	0	0	-43	3	0	-3
1945	Below Norm	8	0	0	0	-3	0	0	0	19	17	0	0	3
1946	Below Norm	0	0	0	0	0	0	0	0	0	17	0	-16	0
1947	Dry	0	-8	0	3	5	5	0	0	8	17	-14	-16	0
1948	Below Norm	0	0	0	0	0	0	0	0	1	49	0	0	4
1949	Dry	-3	0	0	0	0	-8	0	0	20	17	0	-16	1
1950	Below Norm	0	-8	0	0	-5	2	0	0	0	0	17	0	1
1951	Above Norm	-25	0	0	0	0	-2	-33	0	0	0	0	0	-5
1952	Wet	17	-16	0	0	0	-5	0	0	0	2	0	0	0
1953	Wet	0	0	0	0	0	0	-17	0	0	17	0	0	0
1954	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	-13	-16	0	0	0	0	0	0	0	0	17	0	-1
1956	Wet	0	-8	0	0	0	0	0	0	0	0	0	0	-1
1957	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norm	0	0	0	0	0	0	0	0	0	0	-27	3	-2
1960	Dry	-1	-17	4	4	5	0	0	0	0	17	17	0	2
1961	Dry	0	0	-3	3	0	0	0	0	0	0	-44	0	-4
1962	Below Norm	0	13	5	5	0	0	0	0	0	0	0	0	2
1963	Wet	-8	0	0	0	0	0	0	0	0	0	0	-5	-1
1964	Dry	0	29	0	-4	-40	2	-7	0	0	-19	27	0	-1
1965	Wet	8	0	0	0	0	0	0	0	41	0	-25	-43	-2
1966	Below Norm	0	1	22	5	0	0	0	0	0	0	-18	0	1
1967	Wet	0	-16	35	0	0	0	0	0	0	0	0	0	2
1968	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	-8	-8	0	0	0	0	17	0	0	0	0	0
1970	Wet	0	0	1	0	0	0	0	0	0	66	-25	0	3
1971	Wet	0	-16	0	0	-12	25	0	0	0	0	0	0	0
1972	Below Norm	0	0	0	0	0	0	0	0	47	0	-25	0	2
1973	Above Norm	-24	-16	0	0	0	0	0	0	0	0	0	0	-3
1974	Wet	0	0	0	0	0	0	0	0	0	0	1	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	2	0	0
1976	Critical	0	0	0	-92	0	0	0	0	-12	0	8	0	-8
1977	Critical	8	0	63	8	67	0	-28	0	0	61	-4	5	15
1978	Above Norm	-37	0	0	0	0	0	0	0	0	0	0	0	-3
1979	Below Norm	0	0	0	0	-3	-3	0	-3	0	0	0	-16	-2
1980	Above Norm	0	0	3	0	0	0	-27	0	0	0	0	-43	-6
1981	Dry	-25	0	5	0	-3	0	0	0	25	-18	-43	33	-2
1982	Wet	0	0	0	5	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	-58	-5
1985	Dry	0	2	30	-46	0	0	0	-1	-36	0	0	-8	-5
1986	Wet	20	12	5	5	0	0	-57	0	20	25	0	-4	2
1987	Dry	-25	0	5	5	5	-3	0	0	4	0	0	-8	-2
1988	Critical	15	-1	0	5	8	0	-5	0	9	-8	0	2	2
1989	Dry	0	0	6	0	0	0	0	0	8	17	0	0	3
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	3	2	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	1	0
1993	Above Norm	0	0	0	0	0	0	3	0	0	0	6	0	1
1994	Critical	0	0	0	-34	0	0	0	-17	-26	20	21	29	-1
1995	Wet	0	0	0	0	0	0	-8	0	0	0	0	0	-1
1996	Wet	0	-12	12	0	0	0	-11	0	0	0	0	0	-1
1997	Wet	0	10	0	0	0	0	-38	0	0	0	0	0	-2
1998	Wet	0	-3	-8	0	0	0	-13	0	1	1	0	0	-2
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	-1	0	0	0	0	0	0	0	-40	-17	0	0	-5
2002	Dry	8	0	-8	0	0	0	0	0	16	0	0	0	1
2003	Above Norm	-4	-2	-3	0	0	0	0	0	0	10	6	0	1
Average		-1	-1	2	-2	0	0	-3	0	2	5	-1	-2	0
Wet		1	-3	1	1	0	1	-6	1	2	5	-2	-6	0
Above Norm		-9	-3	0	0	0	0	-5	0	3	4	1	1	-1
Below Norm		1	0	2	1	0	0	0	0	5	7	-3	-3	1
Dry		-4	-1	2	-1	-2	-3	0	-1	0	4	-2	0	-1
Critical		2	0	5	-18	4	0	-1	-1	-2	6	2	1	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy generated (GWh) at Judge Francis Carr : CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	0%	0%	150%	0%	0%	67%	33%	0%	25%
1923	Below Norma	0%	0%	82%	150%	150%	32%	0%	0%	33%	-11%	0%	-43%
1924	Critical	0%	0%	0%	-77%	-70%	-48%	123%	0%	0%	0%	0%	-77%
1925	Dry	0%	0%	0%	5%	0%	0%	0%	0%	300%	0%	0%	0%
1926	Dry	0%	0%	0%	0%	0%	0%	0%	0%	18%	0%	-8%	0%
1927	Wet	0%	0%	0%	0%	0%	0%	-100%	0%	0%	0%	0%	0%
1928	Above Norma	0%	0%	0%	0%	-100%	-100%	0%	0%	100%	33%	0%	0%
1929	Critical	0%	0%	0%	-88%	150%	150%	0%	44%	8%	0%	0%	0%
1930	Dry	0%	0%	-30%	0%	0%	0%	0%	0%	300%	0%	0%	0%
1931	Critical	0%	0%	0%	0%	-100%	-38%	0%	0%	0%	0%	0%	0%
1932	Dry	-100%	-100%	0%	62%	0%	0%	111%	-88%	34%	0%	-13%	0%
1933	Critical	1%	-1%	2150%	0%	0%	0%	0%	-100%	0%	0%	0%	0%
1934	Critical	0%	0%	0%	0%	0%	0%	0%	16%	0%	0%	0%	15%
1935	Below Norma	4%	0%	0%	-2%	0%	0%	0%	0%	0%	0%	0%	0%
1936	Below Norma	0%	0%	0%	0%	0%	0%	-28%	0%	0%	25%	25%	0%
1937	Below Norma	0%	0%	-100%	-100%	0%	0%	-100%	0%	0%	29%	25%	33%
1938	Wet	0%	0%	0%	0%	0%	216%	0%	0%	0%	0%	0%	-49%
1939	Dry	0%	0%	0%	0%	0%	-98%	20%	-33%	-56%	7407%	0%	18%
1940	Above Norma	-19%	-40%	0%	0%	0%	-100%	0%	0%	0%	0%	0%	67%
1941	Wet	0%	-50%	0%	0%	0%	-100%	0%	0%	0%	0%	0%	0%
1942	Wet	0%	0%	0%	0%	-100%	0%	-100%	0%	0%	19%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1944	Dry	15%	0%	0%	0%	0%	0%	0%	0%	0%	-39%	4%	0%
1945	Below Norma	33%	0%	0%	0%	-100%	0%	0%	0%	304%	33%	0%	0%
1946	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	33%	0%	-25%
1947	Dry	0%	-50%	0%	63%	150%	150%	0%	0%	33%	29%	-15%	-33%
1948	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	3095%	0%	0%
1949	Dry	-100%	0%	0%	0%	0%	-100%	0%	0%	384%	33%	0%	-25%
1950	Below Norma	0%	-50%	0%	0%	-60%	34%	0%	0%	0%	0%	29%	0%
1951	Above Norma	-100%	0%	0%	0%	-97%	-36%	-73%	0%	0%	0%	0%	0%
1952	Wet	67%	-100%	0%	-1%	0%	-23%	-100%	0%	0%	11%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	-67%	0%	0%	41%	0%	0%
1954	Above Norma	0%	0%	0%	-100%	332%	0%	-100%	0%	0%	0%	0%	0%
1955	Dry	-53%	-100%	0%	0%	0%	0%	0%	0%	0%	0%	25%	0%
1956	Wet	0%	-50%	0%	0%	-21%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1958	Wet	0%	0%	0%	0%	0%	0%	2483132%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-24%	4%
1960	Dry	-4%	-50%	47%	28%	150%	0%	0%	0%	0%	25%	29%	0%
1961	Dry	0%	0%	-100%	3844%	-100%	0%	0%	0%	0%	0%	-39%	0%
1962	Below Norma	0%	400%	150%	150%	0%	0%	0%	0%	0%	0%	0%	0%
1963	Wet	-100%	0%	-100%	0%	-96%	0%	118%	0%	0%	0%	0%	-16%
1964	Dry	0%	1698%	0%	-21%	-93%	47%	-55%	0%	0%	-17%	32%	0%
1965	Wet	33%	0%	0%	333%	0%	0%	-100%	0%	946%	0%	-27%	-94%
1966	Below Norma	0%	0%	0%	35%	0%	0%	0%	0%	0%	0%	-16%	0%
1967	Wet	0%	-100%	513%	0%	0%	11%	0%	0%	-67%	0%	0%	0%
1968	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1969	Wet	0%	-50%	-100%	-100%	0%	0%	0%	258%	0%	0%	0%	0%
1970	Wet	0%	0%	1%	0%	90%	0%	0%	0%	0%	4381%	-23%	0%
1971	Wet	0%	-100%	0%	-100%	-79%	159%	-100%	0%	0%	0%	0%	0%
1972	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	1716%	0%	-27%	0%
1973	Above Norma	-57%	-100%	-48%	165%	0%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	-100%	0%	-36%	0%	0%	6%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	8%	0%
1976	Critical	0%	0%	0%	-96%	0%	0%	0%	0%	-22%	0%	11%	0%
1977	Critical	33%	0%	486%	58%	1632%	0%	-62%	0%	0%	119%	-3%	17%
1978	Above Norma	-40%	0%	-100%	0%	0%	-81%	0%	0%	0%	0%	0%	0%
1979	Below Norma	0%	0%	0%	0%	-94%	-100%	0%	-100%	0%	0%	0%	-25%
1980	Above Norma	0%	925477735%	0%	0%	0%	0%	-89%	0%	0%	0%	0%	-65%
1981	Dry	-100%	0%	150%	0%	-100%	0%	0%	0%	100%	-16%	-39%	67%
1982	Wet	0%	0%	-100%	27%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-89%
1985	Dry	0%	616051087%	0%	-93%	0%	0%	0%	-10%	-47%	0%	0%	-14%
1986	Wet	64%	303%	150%	150%	-100%	0%	-87%	0%	83%	38%	0%	-9%
1987	Dry	-100%	0%	138%	150%	150%	-100%	0%	0%	10%	0%	0%	-15%
1988	Critical	60%	-13%	0%	150%	0%	0%	-27%	0%	19%	-10%	0%	7%
1989	Dry	0%	0%	187%	0%	0%	0%	0%	0%	33%	29%	0%	0%
1990	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	0%	3650%	849%	0%	0%	0%	0%	0%	0%	0%
1992	Critical	0%	0%	0%	0%	0%	0%	-92%	0%	0%	0%	0%	1%
1993	Above Norma	0%	0%	0%	0%	0%	0%	57292750%	0%	0%	0%	22%	0%
1994	Critical	0%	0%	0%	-91%	0%	0%	0%	-67%	-34%	24%	24%	41%
1995	Wet	0%	0%	0%	-100%	0%	0%	-35%	-70%	0%	0%	0%	0%
1996	Wet	0%	-100%	29%	0%	15%	0%	-66%	0%	0%	0%	0%	0%
1997	Wet	0%	76%	0%	0%	0%	0%	-74%	0%	0%	0%	0%	0%
1998	Wet	0%	-100%	-99%	-100%	0%	-100%	-37%	-100%	1%	1%	0%	0%
1999	Wet	0%	0%	0%	0%	-73%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norma	0%	0%	0%	0%	-33%	0%	0%	0%	-100%	0%	0%	0%
2001	Dry	-5%	0%	0%	0%	0%	0%	0%	0%	-49%	-15%	0%	0%
2002	Dry	33%	0%	-100%	0%	0%	0%	0%	0%	67%	0%	0%	0%
2003	Above Norma	-9%	-13%	-100%	0%	0%	0%	-100%	0%	0%	20%	12%	0%
<hr/>													
Average		-6%	96411818%	39637244%	115%	38%	-3%	786509%	-8%	57%	190%	0%	-3%
Wet		2%	-10%	11%	4%	-14%	2%	95476%	2%	37%	173%	-1%	-10%
Above Norma		-19%	-13%	77123124%	5%	9%	-14%	4774366%	0%	6%	7%	3%	2%
Below Norma		3%	25%	79583109%	17%	-7%	-2%	-9%	-7%	147%	229%	1%	-4%
Dry		-23%	364222430%	34225077%	224%	9%	-6%	4%	-7%	63%	413%	-1%	0%
Critical		8%	-1%	220%	292%	205%	5%	-5%	-9%	-2%	11%	3%	0%

Difference in Energy generated (GWh) at Keswick Dam : CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	-3	-3	-6	-1	-6	-2
1924	Critical	-1	-2	-1	1	0	-1	0	0	0	1	1	8	0
1925	Dry	3	0	0	0	0	-2	0	0	0	0	0	0	0
1926	Dry	0	0	0	0	0	0	0	2	2	0	2	2	1
1927	Wet	2	0	0	0	-2	0	0	0	0	0	0	0	0
1928	Above Norma	0	-1	0	-4	0	3	6	5	3	3	7	-3	2
1929	Critical	3	0	0	0	0	0	0	0	4	6	2	0	1
1930	Dry	0	0	0	0	1	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	3	0	0	1	0
1932	Dry	-2	1	0	0	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	1	0
1934	Critical	0	0	0	0	0	0	0	-1	0	0	0	2	0
1935	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	-2	2	0
1937	Below Norma	0	0	0	0	0	0	1	0	0	0	0	0	0
1938	Wet	0	-6	-31	0	0	0	0	0	0	0	0	-6	-4
1939	Dry	0	0	0	0	0	0	3	3	11	0	11	2	2
1940	Above Norma	2	3	0	0	3	0	0	2	0	1	0	-1	1
1941	Wet	6	2	-9	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	-2	0	0	1	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	1	8	14	6	-3	2
1945	Below Norma	0	0	0	0	0	0	0	0	0	3	0	0	0
1946	Below Norma	1	-2	-5	0	4	0	0	0	0	7	1	1	1
1947	Dry	4	0	0	0	0	0	2	0	-3	3	4	-2	1
1948	Below Norma	2	0	0	0	-1	0	0	-7	-14	2	2	1	-1
1949	Dry	-1	0	0	0	6	0	0	0	3	1	1	0	1
1950	Below Norma	0	0	0	1	0	0	0	0	-1	1	2	-1	0
1951	Above Norma	9	-19	-10	0	0	0	0	0	0	0	0	0	-2
1952	Wet	1	0	-7	0	0	-1	0	0	0	0	0	0	-1
1953	Wet	0	0	0	0	0	0	0	-2	0	1	1	0	0
1954	Above Norma	0	0	0	0	0	0	0	1	0	0	0	0	0
1955	Dry	1	0	0	0	5	-5	1	2	3	12	8	3	2
1956	Wet	0	0	3	0	0	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	2	0	0
1958	Wet	-4	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	1	0	0	2	0	-3	0	0
1960	Dry	2	15	17	0	0	0	0	0	-4	2	-7	-2	2
1961	Dry	0	1	1	0	-8	-11	0	2	1	0	-9	4	-2
1962	Below Norma	5	6	0	-1	-6	0	0	1	1	0	13	-6	1
1963	Wet	0	-3	-10	0	0	4	0	0	0	-1	0	0	-1
1964	Dry	0	4	0	0	0	0	1	1	7	12	12	4	3
1965	Wet	0	0	-41	0	0	7	-7	2	1	3	1	0	-3
1966	Below Norma	-4	-8	1	3	0	0	0	0	0	0	5	-3	-1
1967	Wet	-2	1	-2	0	0	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	1	0	5	-5	-1	0
1969	Wet	1	0	-2	0	0	0	0	2	0	0	0	-1	0
1970	Wet	0	0	0	0	0	0	0	1	2	0	6	0	1
1971	Wet	2	0	-10	0	4	-2	0	0	0	0	0	0	-1
1972	Below Norma	0	0	0	0	0	0	1	1	4	3	1	3	1
1973	Above Norma	-4	0	-12	-1	0	0	0	0	0	0	0	0	-1
1974	Wet	-1	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	2	2	4	2	1	3	1
1977	Critical	5	6	13	1	37	0	-1	0	0	-4	-15	-4	3
1978	Above Norma	-11	-5	-1	0	-15	-31	0	0	0	0	0	-1	-5
1979	Below Norma	0	0	0	0	5	0	1	1	1	3	1	0	1
1980	Above Norma	0	-3	0	-8	0	0	0	0	0	0	0	0	-1
1981	Dry	0	0	0	0	0	-7	0	0	0	5	5	-10	-1
1982	Wet	1	-9	0	1	0	0	0	0	0	0	0	0	-1
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	1	0	2	0	1	-1	0
1985	Dry	-8	-2	4	0	0	6	1	1	9	2	0	0	1
1986	Wet	-1	0	0	0	1	0	0	3	4	4	4	3	1
1987	Dry	2	2	0	0	0	0	2	2	0	-3	8	7	2
1988	Critical	-2	0	0	0	0	0	0	1	1	1	1	0	0
1989	Dry	0	0	1	0	0	0	6	0	-1	0	1	-3	0
1990	Critical	0	5	-1	-1	3	0	0	0	0	-1	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	1	1	1	1	2	0	0
1993	Above Norma	0	1	0	0	0	0	-2	-33	-14	0	1	0	-4
1994	Critical	0	0	0	0	0	0	0	0	9	0	2	2	1
1995	Wet	-1	0	0	-13	0	0	-1	0	0	0	0	0	-1
1996	Wet	0	0	0	0	0	0	0	-2	0	0	0	0	0
1997	Wet	0	1	0	0	0	0	0	0	2	4	0	0	1
1998	Wet	0	0	0	1	0	0	0	-2	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	-1	0
2000	Above Norma	0	0	0	0	0	0	0	0	1	0	0	0	0
2001	Dry	-3	1	0	0	0	0	-1	3	5	6	5	1	1
2002	Dry	1	1	1	-26	4	4	1	1	2	4	9	-7	0
2003	Above Norma	3	10	0	-36	-1	4	-4	0	0	0	-2	2	-2
Average		0	0	-1	-1	0	0	0	0	1	1	1	0	0
Wet		0	-1	-4	0	0	0	0	0	0	0	0	0	0
Above Norma		0	-1	-2	-4	-1	-2	0	-2	-1	0	1	0	-1
Below Norma		0	0	0	0	0	0	0	0	-1	1	1	-1	0
Dry		0	1	1	-1	0	-1	1	1	2	3	3	0	1
Critical		0	1	1	0	3	0	0	0	2	0	-1	1	1

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy generated (GWh) at Keswick Dam : CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1923	Below Norma	0%	0%	0%	0%	0%	0%	0%	-6%	-6%	-11%	-1%	-20%
1924	Critical	-4%	-9%	-7%	6%	0%	-3%	0%	0%	1%	2%	2%	45%
1925	Dry	19%	2%	0%	0%	0%	-5%	0%	1%	1%	0%	0%	0%
1926	Dry	0%	0%	0%	-1%	0%	-1%	-1%	9%	5%	1%	6%	10%
1927	Wet	13%	0%	0%	0%	-3%	0%	0%	0%	0%	0%	0%	0%
1928	Above Norma	0%	-4%	0%	-19%	0%	5%	37%	11%	5%	4%	13%	-9%
1929	Critical	12%	2%	2%	0%	0%	0%	1%	1%	10%	11%	4%	-1%
1930	Dry	0%	0%	0%	0%	3%	2%	0%	0%	0%	0%	0%	-1%
1931	Critical	0%	0%	0%	0%	0%	0%	0%	0%	7%	0%	0%	6%
1932	Dry	-6%	4%	1%	0%	0%	0%	0%	-2%	0%	0%	0%	0%
1933	Critical	0%	0%	0%	0%	0%	0%	1%	0%	1%	0%	0%	5%
1934	Critical	1%	0%	0%	0%	0%	0%	-2%	-2%	0%	0%	0%	9%
1935	Below Norma	0%	0%	0%	0%	0%	0%	0%	-1%	0%	0%	0%	0%
1936	Below Norma	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	-5%	7%
1937	Below Norma	0%	0%	0%	0%	0%	0%	9%	0%	0%	0%	0%	0%
1938	Wet	0%	-22%	-41%	0%	0%	0%	0%	0%	0%	0%	0%	-12%
1939	Dry	0%	0%	0%	0%	0%	0%	7%	8%	20%	-1%	21%	6%
1940	Above Norma	9%	12%	0%	0%	4%	0%	0%	8%	0%	1%	0%	-3%
1941	Wet	23%	9%	-26%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1942	Wet	0%	0%	0%	0%	0%	0%	0%	-4%	0%	1%	1%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1944	Dry	0%	0%	0%	0%	0%	0%	0%	2%	18%	25%	12%	-9%
1945	Below Norma	-2%	2%	2%	0%	0%	0%	0%	0%	0%	6%	0%	1%
1946	Below Norma	2%	-10%	-6%	0%	14%	0%	1%	1%	1%	13%	2%	4%
1947	Dry	11%	0%	0%	0%	0%	0%	7%	1%	-5%	6%	9%	-5%
1948	Below Norma	13%	2%	2%	0%	-3%	0%	0%	-30%	-33%	3%	4%	3%
1949	Dry	-5%	0%	0%	0%	15%	0%	1%	1%	6%	2%	1%	1%
1950	Below Norma	0%	0%	0%	3%	2%	0%	0%	1%	-1%	2%	4%	-5%
1951	Above Norma	42%	-48%	-16%	0%	0%	0%	0%	0%	0%	0%	1%	0%
1952	Wet	6%	0%	-10%	0%	0%	-1%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	-6%	0%	1%	3%	0%
1954	Above Norma	0%	0%	0%	0%	0%	0%	0%	2%	-1%	0%	0%	0%
1955	Dry	5%	0%	-2%	0%	21%	-23%	3%	6%	6%	22%	20%	15%
1956	Wet	-2%	0%	3%	0%	0%	0%	0%	0%	0%	0%	-1%	0%
1957	Above Norma	0%	0%	0%	0%	0%	0%	0%	1%	1%	0%	4%	1%
1958	Wet	-9%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	0%	0%	0%	2%	0%	0%	3%	1%	-4%	0%
1960	Dry	7%	52%	80%	0%	0%	0%	0%	0%	-8%	4%	-14%	-6%
1961	Dry	0%	3%	3%	0%	-37%	-38%	0%	7%	1%	0%	-11%	16%
1962	Below Norma	21%	24%	0%	-6%	-22%	0%	1%	2%	1%	0%	27%	-18%
1963	Wet	0%	-13%	-25%	0%	0%	8%	0%	0%	0%	-2%	0%	0%
1964	Dry	0%	10%	0%	0%	0%	0%	2%	2%	16%	24%	27%	12%
1965	Wet	-1%	0%	-54%	0%	0%	35%	-21%	6%	1%	6%	1%	1%
1966	Below Norma	-13%	-18%	3%	10%	0%	0%	0%	0%	0%	0%	8%	-8%
1967	Wet	-7%	5%	-4%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1968	Below Norma	0%	0%	0%	0%	0%	0%	1%	2%	1%	8%	-9%	-2%
1969	Wet	4%	2%	-10%	0%	0%	0%	0%	4%	0%	0%	0%	-1%
1970	Wet	0%	0%	0%	0%	0%	0%	1%	3%	5%	0%	12%	2%
1971	Wet	7%	-1%	-19%	0%	13%	-3%	0%	0%	0%	0%	0%	-1%
1972	Below Norma	0%	0%	0%	0%	0%	0%	3%	3%	8%	4%	1%	13%
1973	Above Norma	-17%	0%	-38%	-2%	0%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	-4%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	10%	5%	8%	4%	3%	13%
1977	Critical	18%	31%	58%	7%	212%	-2%	-3%	-2%	0%	-6%	-31%	-20%
1978	Above Norma	-37%	-28%	-5%	0%	-44%	-48%	0%	0%	0%	0%	0%	-4%
1979	Below Norma	0%	0%	0%	0%	37%	0%	4%	3%	2%	4%	3%	2%
1980	Above Norma	0%	-14%	0%	-11%	0%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	0%	-24%	0%	0%	0%	8%	9%	-27%
1982	Wet	6%	-27%	0%	2%	0%	0%	0%	-1%	0%	0%	-1%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	4%	0%	3%	0%	2%	-5%
1985	Dry	-28%	-5%	15%	0%	0%	37%	4%	2%	16%	3%	1%	-1%
1986	Wet	-4%	-1%	0%	0%	2%	0%	0%	10%	8%	7%	8%	15%
1987	Dry	9%	10%	0%	0%	0%	0%	5%	4%	0%	-4%	19%	20%
1988	Critical	-9%	-2%	0%	0%	-1%	0%	0%	0%	1%	2%	1%	0%
1989	Dry	-1%	0%	6%	0%	0%	0%	37%	0%	-2%	0%	1%	-12%
1990	Critical	2%	20%	-4%	-4%	16%	0%	0%	0%	0%	-1%	0%	-2%
1991	Critical	1%	-2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%
1992	Critical	0%	0%	0%	0%	0%	0%	4%	2%	2%	1%	3%	1%
1993	Above Norma	1%	5%	0%	0%	0%	0%	-8%	-67%	-31%	0%	1%	0%
1994	Critical	0%	0%	0%	0%	0%	0%	0%	0%	16%	0%	3%	5%
1995	Wet	-4%	-1%	0%	-23%	0%	0%	-3%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	0%	0%	0%	0%	0%	-3%	0%	0%	0%	-1%
1997	Wet	0%	4%	0%	0%	0%	0%	1%	1%	5%	7%	1%	0%
1998	Wet	0%	0%	0%	2%	0%	0%	0%	-2%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%
2000	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	2%	0%	0%	-2%
2001	Dry	-7%	2%	-2%	1%	2%	0%	-3%	6%	8%	10%	12%	4%
2002	Dry	3%	3%	3%	-62%	11%	15%	4%	2%	5%	7%	23%	-20%
2003	Above Norma	11%	40%	2%	-55%	-3%	28%	-10%	0%	0%	0%	-5%	7%
<hr/>													
Average		1%	0%	-1%	-2%	3%	0%	1%	0%	1%	2%	2%	0%
Wet		1%	-2%	-7%	-1%	0%	1%	-1%	0%	1%	1%	1%	0%
Above Norma		1%	-3%	-5%	-7%	-4%	-1%	2%	-4%	-2%	1%	1%	-1%
Below Norma		2%	0%	0%	1%	2%	0%	1%	-2%	-2%	2%	2%	-2%
Dry		0%	4%	6%	-3%	1%	-2%	4%	3%	5%	6%	8%	0%
Critical		2%	3%	4%	1%	19%	0%	1%	0%	4%	1%	-1%	5%

Difference in Energy generated (GWh) at Lewiston Dam : CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1927	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1932	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1935	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1940	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1945	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1946	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1947	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1948	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1949	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1951	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1961	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1963	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1965	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1966	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Below Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Dry		0	0	0	0	0	0	0	0	0	0	0	0	0
Critical		0	0	0	0	0	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy generated (GWh) at Lewiston Dam : CP3_2020 minus CONV_NA

Year Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922 Above Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1923 Below Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1924 Critical	-	-	-	-	-	-	-	-	-	-	-	-
1925 Dry	-	-	-	-	-	-	-	-	-	-	-	-
1926 Dry	-	-	-	-	-	-	-	-	-	-	-	-
1927 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1928 Above Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1929 Critical	-	-	-	-	-	-	-	-	-	-	-	-
1930 Dry	-	-	-	-	-	-	-	-	-	-	-	-
1931 Critical	-	-	-	-	-	-	-	-	-	-	-	-
1932 Dry	-	-	-	-	-	-	-	-	-	-	-	-
1933 Critical	-	-	-	-	-	-	-	-	-	-	-	-
1934 Critical	-	-	-	-	-	-	-	-	-	-	-	-
1935 Below Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1936 Below Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1937 Below Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1938 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1939 Dry	-	-	-	-	-	-	-	-	-	-	-	-
1940 Above Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1941 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1942 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1943 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1944 Dry	-	-	-	-	-	-	-	-	-	-	-	-
1945 Below Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1946 Below Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1947 Dry	-	-	-	-	-	-	-	-	-	-	-	-
1948 Below Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1949 Dry	-	-	-	-	-	-	-	-	-	-	-	-
1950 Below Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1951 Above Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1952 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1953 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1954 Above Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1955 Dry	-	-	-	-	-	-	-	-	-	-	-	-
1956 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1957 Above Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1958 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1959 Below Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1960 Dry	-	-	-	-	-	-	-	-	-	-	-	-
1961 Dry	-	-	-	-	-	-	-	-	-	-	-	-
1962 Below Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1963 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1964 Dry	-	-	-	-	-	-	-	-	-	-	-	-
1965 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1966 Below Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1967 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1968 Below Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1969 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1970 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1971 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1972 Below Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1973 Above Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1974 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1975 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1976 Critical	-	-	-	-	-	-	-	-	-	-	-	-
1977 Critical	-	-	-	-	-	-	-	-	-	-	-	-
1978 Above Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1979 Below Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1980 Above Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1981 Dry	-	-	-	-	-	-	-	-	-	-	-	-
1982 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1983 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1984 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1985 Dry	-	-	-	-	-	-	-	-	-	-	-	-
1986 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1987 Dry	-	-	-	-	-	-	-	-	-	-	-	-
1988 Critical	-	-	-	-	-	-	-	-	-	-	-	-
1989 Dry	-	-	-	-	-	-	-	-	-	-	-	-
1990 Critical	-	-	-	-	-	-	-	-	-	-	-	-
1991 Critical	-	-	-	-	-	-	-	-	-	-	-	-
1992 Critical	-	-	-	-	-	-	-	-	-	-	-	-
1993 Above Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1994 Critical	-	-	-	-	-	-	-	-	-	-	-	-
1995 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1996 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1997 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1998 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1999 Wet	-	-	-	-	-	-	-	-	-	-	-	-
2000 Above Norma-	-	-	-	-	-	-	-	-	-	-	-	-
2001 Dry	-	-	-	-	-	-	-	-	-	-	-	-
2002 Dry	-	-	-	-	-	-	-	-	-	-	-	-
2003 Above Norma-	-	-	-	-	-	-	-	-	-	-	-	-
Average	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Energy generated (GWh) at New Melones Dam : CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	11.96	9.91	8.06	6.47	0.00	9.65	48.97	63.32	49.18	54.63	51.45	32.97	347
1923	Below Normal	23.98	13.88	8.53	9.17	9.40	50.63	59.27	87.20	65.19	64.05	57.31	29.90	479
1924	Critical	20.54	16.50	13.45	11.98	14.22	35.94	44.73	42.85	32.61	33.57	32.42	21.06	320
1925	Dry	12.65	11.39	11.22	7.30	0.05	14.39	41.34	57.39	47.60	52.84	50.04	31.95	338
1926	Dry	23.16	15.34	12.07	10.11	6.36	27.73	40.08	60.33	44.02	46.94	44.99	27.75	359
1927	Wet	21.00	9.09	10.71	6.95	0.40	18.23	57.82	80.15	52.58	58.02	53.87	30.54	399
1928	Above Normal	14.05	12.90	13.08	12.61	10.67	13.27	68.64	83.02	54.34	57.78	53.90	31.70	426
1929	Critical	26.05	12.11	12.26	12.14	10.81	21.18	43.47	56.61	35.56	43.28	41.47	25.31	340
1930	Dry	21.67	16.39	13.68	6.76	7.38	12.80	52.85	53.67	42.14	45.21	42.39	26.03	341
1931	Critical	16.29	9.49	12.39	6.21	8.40	27.41	52.84	50.23	32.54	35.78	34.17	22.02	308
1932	Dry	20.24	10.38	7.49	5.02	1.52	16.56	41.73	46.97	42.97	46.68	45.10	29.48	314
1933	Critical	21.31	16.47	14.33	6.63	8.02	17.89	49.37	47.88	39.20	42.23	40.42	24.80	329
1934	Critical	15.93	13.91	8.20	5.11	4.23	20.93	50.94	55.47	32.04	36.27	34.59	20.51	298
1935	Below Normal	16.86	8.47	8.42	3.41	5.54	5.70	19.36	51.00	41.97	45.51	43.61	27.14	277
1936	Below Normal	11.90	10.72	9.72	4.55	0.00	13.10	44.78	58.61	45.43	51.38	49.26	30.46	330
1937	Below Normal	19.94	19.35	13.08	8.84	0.27	6.94	53.35	78.88	52.54	56.63	52.92	33.75	396
1938	Wet	25.93	15.90	13.70	11.90	0.00	52.36	64.88	106.05	194.96	113.39	105.82	82.03	787
1939	Dry	35.84	23.68	19.00	16.29	14.61	18.72	74.98	73.72	51.13	54.67	51.45	24.08	458
1940	Above Normal	26.12	18.62	12.20	7.95	6.97	10.88	64.23	94.18	80.01	64.50	58.74	37.42	482
1941	Wet	29.17	22.85	15.42	12.33	9.19	12.98	54.49	90.50	91.08	66.63	60.74	38.81	504
1942	Wet	28.00	22.38	17.07	37.65	43.58	20.53	52.84	82.02	98.29	81.66	101.45	79.74	665
1943	Wet	37.18	17.86	24.32	74.51	57.08	99.42	63.99	94.40	96.92	73.06	60.49	38.71	738
1944	Dry	30.15	22.92	19.08	16.06	13.84	21.83	66.57	81.38	52.74	56.65	53.01	29.16	463
1945	Below Normal	17.62	11.40	11.99	12.51	5.76	12.59	72.39	93.64	82.34	65.08	59.43	33.42	478
1946	Below Normal	16.55	14.49	11.25	12.90	13.03	18.82	78.59	91.34	82.19	65.38	59.95	36.17	501
1947	Dry	25.59	16.81	14.26	14.32	16.05	39.59	69.76	68.32	43.33	46.72	44.22	25.28	424
1948	Below Normal	13.02	11.62	11.83	10.82	13.24	17.11	50.33	60.97	48.41	52.08	49.35	31.31	370
1949	Dry	17.31	17.44	11.72	9.67	11.01	14.89	55.75	52.27	43.19	46.42	44.52	29.18	353
1950	Below Normal	23.47	17.73	12.10	5.12	4.30	17.29	61.88	68.43	49.01	51.65	48.82	24.16	384
1951	Above Normal	13.35	5.49	64.66	54.52	51.77	31.53	78.21	96.28	78.12	63.74	58.00	35.93	632
1952	Wet	25.41	15.20	12.07	3.61	11.10	33.12	64.90	95.50	173.40	124.43	106.42	77.64	743
1953	Wet	33.53	18.56	18.00	26.08	28.56	37.43	80.02	92.41	72.15	63.26	57.18	34.53	562
1954	Above Normal	27.08	18.13	14.50	13.62	19.65	24.75	78.60	80.66	48.20	52.72	49.09	31.70	459
1955	Dry	28.88	14.89	13.86	9.34	10.97	21.52	39.52	58.30	46.11	49.60	47.48	29.50	370
1956	Wet	24.17	12.25	2.53	0.00	6.58	31.93	76.48	91.04	96.79	71.27	61.70	70.73	545
1957	Above Normal	31.88	23.62	17.28	16.26	14.75	35.54	86.16	82.64	68.52	63.43	57.86	32.05	530
1958	Wet	17.71	19.63	14.36	12.21	6.10	9.62	36.59	82.16	129.04	105.36	102.45	74.16	609
1959	Below Normal	34.13	24.96	19.14	16.03	20.55	26.11	78.24	81.33	51.51	55.31	51.64	18.71	478
1960	Dry	24.05	17.88	12.23	12.11	9.73	31.04	51.18	53.88	40.18	42.94	41.15	24.92	361
1961	Dry	18.17	9.81	9.78	6.86	8.56	21.96	42.96	43.39	35.48	37.88	35.92	23.42	294
1962	Below Normal	21.70	11.00	11.18	7.04	0.42	12.30	40.99	56.40	42.56	45.93	44.08	27.02	321
1963	Wet	17.30	13.62	10.25	6.31	4.24	10.44	37.33	65.47	47.13	51.45	48.94	27.18	340
1964	Dry	11.86	9.46	10.24	7.96	11.62	31.88	53.80	58.70	40.68	45.63	44.02	26.72	353
1965	Wet	12.78	10.22	13.30	0.52	7.18	26.00	67.39	95.30	94.68	66.24	53.95	37.18	485
1966	Below Normal	31.29	15.43	15.13	13.71	12.71	26.14	72.85	80.58	51.13	54.43	51.58	29.88	455
1967	Wet	29.89	12.13	9.98	6.79	10.65	18.57	48.94	85.96	93.84	137.01	106.91	79.51	640
1968	Below Normal	33.25	18.59	19.04	15.92	31.57	16.17	76.91	84.75	53.65	56.82	51.24	30.09	488
1969	Wet	22.34	12.47	11.46	0.00	55.45	57.31	68.05	131.34	162.81	113.34	101.95	70.20	807
1970	Wet	36.87	18.57	30.31	132.38	66.73	35.81	81.95	97.65	82.20	64.65	59.11	34.24	740
1971	Wet	28.56	13.00	9.44	12.44	13.35	25.28	77.60	90.80	71.77	63.64	58.29	33.51	498
1972	Below Normal	26.42	15.15	11.94	13.34	18.57	37.32	67.71	69.63	44.43	47.83	45.24	25.52	423
1973	Above Normal	19.41	11.82	11.68	3.88	1.96	10.78	68.07	93.03	74.49	62.66	57.07	36.23	451
1974	Wet	14.92	14.21	13.12	10.38	12.84	44.72	63.03	96.41	95.75	66.91	62.93	50.59	546
1975	Wet	35.91	19.83	17.92	17.11	38.73	35.02	72.59	95.78	95.03	65.97	56.62	34.57	585
1976	Critical	18.92	19.92	15.03	14.96	19.45	43.51	59.36	61.51	39.12	42.03	36.15	24.25	394
1977	Critical	14.80	12.35	12.06	9.02	14.17	31.02	38.97	37.12	27.26	29.20	28.22	16.41	271
1978	Above Normal	19.69	10.87	10.36	1.60	3.04	12.39	36.52	68.23	50.06	54.78	51.65	27.88	347
1979	Below Normal	28.87	14.37	14.60	9.83	5.43	14.68	72.10	93.26	98.64	62.93	57.37	34.08	506
1980	Above Normal	21.15	14.66	15.50	7.12	86.87	33.42	73.68	93.34	96.14	66.58	60.26	40.83	610
1981	Dry	42.69	25.44	19.10	14.67	15.09	14.98	69.36	81.96	52.88	56.17	52.50	29.23	474
1982	Wet	19.37	11.41	10.19	3.32	132.57	94.48	81.67	94.82	97.82	104.84	107.86	92.84	851
1983	Wet	53.82	72.74	83.35	113.10	123.44	161.68	54.79	85.37	225.38	197.32	127.20	93.29	1,391
1984	Wet	48.27	87.04	137.80	72.52	62.34	37.44	83.65	96.82	78.55	63.31	57.87	33.15	859
1985	Dry	17.21	14.20	15.08	14.61	12.41	19.49	66.90	80.82	51.37	55.96	51.31	31.10	430
1986	Wet	21.28	13.23	13.54	11.44	54.87	150.37	67.09	92.86	96.48	71.35	60.10	36.44	689
1987	Dry	25.15	23.69	18.20	15.44	14.03	12.05	60.45	68.48	43.68	46.83	44.43	27.50	400
1988	Critical	15.85	12.22	11.62	8.86	11.89	31.11	36.96	44.03	33.64	37.00	35.72	23.22	302
1989	Dry	22.07	11.36	11.42	7.24	12.04	20.75	50.51	53.02	41.10	43.98	41.70	19.31	335
1990	Critical	12.33	11.87	10.51	6.16	9.01	31.88	44.13	35.21	34.70	37.06	35.49	22.82	291
1991	Critical	11.37	14.03	9.96	6.20	10.82	4.75	37.22	42.54	32.79	36.44	33.86	22.43	262
1992	Critical	11.64	11.89	7.94	4.50	1.90	9.48	29.19	38.48	30.44	32.57	30.77	19.68	228
1993	Above Normal	14.24	6.86	6.41	0.00	1.52	4.83	34.93	42.82	38.43	44.05	42.28	26.30	263
1994	Critical	15.98	8.87	9.05	6.45	5.80	34.11	36.16	34.12	35.15	37.46	35.39	22.76	281
1995	Wet	16.24	9.17	9.19	0.00	5.28	1.64	54.33	70.71	62.35	63.97	59.01	37.60	389
1996	Wet	32.18	22.96	16.44	10.39	49.39	79.16	71.06	78.35	96.93	72.95	61.27	38.98	630
1997	Wet	21.67	22.54	100.57	223.62	158.15	44.15	87.96	95.65	76.60	63.09	57.46	33.74	985
1998	Wet	32.84	14.14	14.38	8.38	38.01	58.19	63.27	62.60	95.36	153.34	123.73	94.23	758
1999	Wet	48.30	18.57	21.35	44.40	86.93	39.50	77.22	95.54	100.61	65.59	60.13	35.74	694
2000	Above Normal	34.54	20.72	15.46	12.33	5.02	25.48	69.34	80.60	66.37	66.66	60.14	35.18	492
2001	Dry	15.03	16.62	14.58	11.45	4.20	9.92	55.62	73.45	50.85	54.84	51.29	30.19	388
2002	Dry	23.61	11.54	11.84	10.53	9.18	18.36	54.49	61.64	44.81	47.91	45.86	28.33	368
2003	Above Normal	23.53	10.99	9.96	6.90	10.46	20.37	50.95	59.28	46.19	49.85	46.43	29.39	364

Shasta Lake Water Resource Investigation
Socioeconomic Appendix - Power and Energy Technical Report

Energy generated (GWh) at New Melones Dam : CP3_2020

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	11.96	9.91	8.06	6.47	0.00	9.65	48.97	63.32	49.18	54.63	51.45	32.97	347
1923	Below Normal	23.98	13.88	8.53	9.17	9.40	50.64	59.27	87.20	65.19	64.05	57.31	29.90	479
1924	Critical	20.54	16.50	13.45	11.98	14.22	35.94	44.73	42.85	32.61	33.57	32.42	21.06	320
1925	Dry	12.65	11.39	11.22	7.30	0.05	14.39	41.34	57.38	47.60	52.84	50.04	31.95	338
1926	Dry	23.16	15.34	12.07	10.11	6.36	27.73	40.08	60.33	44.02	46.94	44.99	27.75	359
1927	Wet	21.00	9.09	10.71	6.95	0.40	18.23	57.82	80.15	52.58	58.02	53.87	30.54	399
1928	Above Normal	14.05	12.90	13.08	12.61	10.67	13.27	68.64	83.02	54.34	57.78	53.90	31.70	426
1929	Critical	26.05	12.11	12.26	12.14	10.81	21.18	43.47	56.61	35.56	43.28	41.47	25.31	340
1930	Dry	21.67	16.39	13.68	6.76	7.38	12.80	52.86	53.67	42.14	45.21	42.39	26.03	341
1931	Critical	16.29	9.49	12.39	6.21	8.40	27.41	52.84	50.23	32.54	35.78	34.17	22.02	308
1932	Dry	20.24	10.38	7.49	5.02	1.52	16.56	41.73	46.97	42.97	46.68	45.10	29.48	314
1933	Critical	21.31	16.47	14.33	6.63	8.02	17.89	49.37	47.88	39.20	42.23	40.42	24.80	329
1934	Critical	15.93	13.91	8.20	5.11	4.23	20.93	50.94	55.47	32.04	36.27	34.59	20.51	298
1935	Below Normal	16.86	8.47	8.42	3.41	5.54	5.70	19.36	51.00	41.97	45.51	43.61	27.14	277
1936	Below Normal	11.90	10.72	9.72	4.55	0.00	13.10	44.78	58.61	45.43	51.38	49.26	30.46	330
1937	Below Normal	19.94	19.35	13.08	8.84	0.27	6.94	53.35	78.88	52.54	56.63	52.92	33.75	396
1938	Wet	25.93	15.90	13.70	11.90	0.00	52.36	64.88	106.05	194.96	113.39	105.92	82.03	787
1939	Dry	35.84	23.68	19.00	16.29	14.61	18.72	74.98	73.72	51.13	54.67	51.45	24.08	458
1940	Above Normal	26.12	18.62	12.20	7.95	6.97	10.88	64.23	94.18	80.05	64.49	58.74	37.42	482
1941	Wet	29.17	22.85	15.42	12.33	9.19	12.98	54.49	90.50	91.07	66.63	60.74	38.81	504
1942	Wet	28.00	22.38	17.07	37.62	43.58	20.53	52.84	82.02	98.29	81.66	101.45	79.74	665
1943	Wet	37.18	17.86	24.32	74.51	57.08	99.42	63.99	94.40	96.92	73.06	60.49	38.71	738
1944	Dry	30.15	22.92	19.08	16.06	13.84	21.83	66.57	81.38	52.74	56.65	53.01	29.16	463
1945	Below Normal	17.62	11.40	11.99	12.51	5.76	12.59	72.39	93.64	82.34	65.08	59.43	33.42	478
1946	Below Normal	16.55	14.49	11.25	12.90	13.03	18.82	78.59	91.34	82.19	65.38	59.95	36.18	501
1947	Dry	25.57	16.81	14.26	14.32	16.05	39.59	69.57	68.32	43.33	46.72	44.22	25.28	424
1948	Below Normal	13.02	11.62	11.83	10.82	13.23	17.11	50.33	60.97	48.41	52.08	49.35	31.31	370
1949	Dry	17.31	17.44	11.72	9.67	11.01	14.89	55.75	52.27	43.19	46.42	44.52	29.18	353
1950	Below Normal	23.47	17.73	12.10	5.12	4.30	17.29	61.88	68.45	48.99	51.65	48.82	24.16	384
1951	Above Normal	13.35	5.49	64.66	54.52	51.77	31.53	78.21	96.26	78.12	63.74	58.00	35.93	632
1952	Wet	25.41	15.20	12.07	3.61	11.10	33.12	64.90	95.50	173.40	124.43	106.42	77.64	743
1953	Wet	33.53	18.56	18.00	26.08	28.56	37.43	80.02	92.41	72.15	63.26	57.18	34.53	562
1954	Above Normal	27.08	18.13	14.50	13.62	19.65	24.75	78.60	80.66	48.20	52.72	49.09	31.70	459
1955	Dry	28.88	14.89	13.86	9.34	10.97	21.52	39.52	58.30	46.11	49.60	47.48	29.50	370
1956	Wet	24.17	12.25	2.53	0.00	6.58	31.93	76.48	91.04	96.79	71.27	61.70	70.73	545
1957	Above Normal	31.88	23.62	17.28	16.26	14.75	35.54	86.16	82.64	68.52	63.43	57.86	32.05	530
1958	Wet	17.71	19.63	14.36	12.21	6.10	9.62	36.59	82.16	129.04	105.36	102.45	74.16	609
1959	Below Normal	34.13	24.96	19.14	16.03	20.55	26.11	78.24	81.33	51.51	55.31	51.64	18.71	478
1960	Dry	24.05	17.88	12.23	12.11	9.73	31.03	51.17	53.89	40.18	42.94	41.15	24.92	361
1961	Dry	18.17	9.81	9.78	6.86	8.56	21.96	42.96	43.39	35.48	37.88	35.92	23.42	294
1962	Below Normal	21.70	11.00	11.18	7.04	0.42	12.30	40.99	56.40	42.56	45.93	44.08	27.02	321
1963	Wet	17.30	13.62	10.25	6.31	4.24	10.44	37.33	65.47	47.13	51.45	48.94	27.18	340
1964	Dry	11.86	9.46	10.24	7.96	11.62	31.88	53.81	58.70	40.68	45.63	44.02	26.72	353
1965	Wet	12.78	10.22	13.30	0.52	7.18	26.00	67.39	95.30	94.63	66.24	53.95	37.18	485
1966	Below Normal	31.29	15.43	15.13	13.71	12.71	26.14	72.86	80.59	51.14	54.43	51.58	29.88	455
1967	Wet	29.89	12.13	9.98	6.79	10.65	18.57	48.94	85.96	93.84	137.03	106.91	79.51	640
1968	Below Normal	33.25	18.59	19.04	15.92	31.57	16.17	76.91	84.75	53.65	56.82	51.24	30.09	488
1969	Wet	22.34	12.47	11.46	0.00	55.45	57.31	68.05	131.34	162.81	113.34	101.95	70.20	807
1970	Wet	36.87	18.57	30.31	132.38	66.73	35.81	81.95	97.65	82.13	64.65	59.11	34.24	740
1971	Wet	28.56	13.00	9.44	12.44	13.35	25.28	77.61	90.80	71.77	63.64	58.29	33.51	498
1972	Below Normal	26.42	15.15	11.94	13.34	18.57	37.32	67.72	69.63	44.44	47.83	45.24	25.53	423
1973	Above Normal	19.41	11.83	11.69	3.88	1.96	10.78	68.07	93.04	74.49	62.66	57.07	36.23	451
1974	Wet	14.92	14.21	13.12	10.38	12.84	44.74	63.03	96.41	95.75	66.91	62.93	50.59	546
1975	Wet	35.91	19.83	17.92	17.11	38.73	35.02	72.59	95.78	95.03	65.97	56.52	34.57	585
1976	Critical	18.92	19.92	15.03	14.96	19.45	43.51	59.37	61.52	39.12	42.03	36.15	24.25	394
1977	Critical	14.80	12.35	12.06	9.02	14.17	31.02	38.97	37.12	27.26	29.20	28.22	16.41	271
1978	Above Normal	19.69	10.87	10.36	1.60	3.04	12.39	36.52	68.23	50.06	54.78	51.65	27.88	347
1979	Below Normal	28.87	14.37	14.60	9.83	5.43	14.68	72.10	93.26	98.64	62.93	57.37	34.08	506
1980	Above Normal	21.15	14.66	15.50	7.12	86.87	33.42	73.68	93.34	96.14	66.58	60.26	40.83	610
1981	Dry	42.69	25.44	19.10	14.67	15.09	14.98	69.36	81.96	52.88	56.17	52.50	29.23	474
1982	Wet	19.37	11.41	10.19	3.32	132.57	94.48	81.67	94.82	97.82	104.84	107.86	92.84	851
1983	Wet	53.82	72.74	83.35	113.10	123.44	161.68	54.79	85.37	225.38	197.32	127.20	93.29	1,391
1984	Wet	48.27	87.04	137.80	72.52	62.34	37.44	83.65	96.82	78.55	63.31	57.87	33.15	859
1985	Dry	17.21	14.20	15.08	14.61	12.41	19.49	66.90	80.82	51.37	55.93	51.31	31.12	430
1986	Wet	21.28	13.24	13.55	11.44	54.87	150.37	67.09	92.86	96.48	71.35	60.10	36.44	689
1987	Dry	25.15	23.69	18.20	15.44	14.03	12.05	60.45	68.44	43.68	46.83	44.43	27.52	400
1988	Critical	15.85	12.23	11.63	8.86	11.89	31.11	36.96	44.03	33.64	37.00	35.72	23.22	302
1989	Dry	22.07	11.36	11.42	7.24	12.04	20.75	50.51	53.02	41.10	43.98	41.70	19.31	335
1990	Critical	12.33	11.87	10.51	6.16	9.01	31.88	44.13	35.21	34.70	37.06	35.49	22.82	291
1991	Critical	11.37	14.03	9.96	6.20	10.82	4.75	37.22	42.54	32.79	36.44	33.86	22.43	262
1992	Critical	11.64	11.89	7.94	4.50	1.90	9.48	29.19	38.48	30.44	32.57	30.77	19.68	228
1993	Above Normal	14.24	6.86	6.41	0.00	1.52	4.83	34.93	42.82	38.43	44.05	42.28	26.30	263
1994	Critical	15.98	8.87	9.05	6.45	5.80	34.11	36.16	34.12	35.15	37.46	35.39	22.76	281
1995	Wet	16.24	9.17	9.19	0.00	5.28	1.64	54.33	70.71	62.35	63.97	59.01	37.60	389
1996	Wet	32.18	22.96	16.44	10.39	49.38	79.16	71.06	78.35	96.93	72.95	61.27	38.98	630
1997	Wet	21.67	22.54	100.57	223.62	158.15	44.15	87.96	95.65	76.60	63.09	57.46	33.74	985
1998	Wet	32.84	14.14	14.38	8.38	38.01	58.19	63.27	62.60	95.36	153.34	123.73	94.23	758
1999	Wet	48.30	18.57	21.35	44.40	86.93	39.50	77.22	95.54	100.61	65.59	60.13	35.74	694
2000	Above Normal	34.54	20.72	15.46	12.33	5.02	25.48	69.34	80.60	66.37	66.66	60.14	35.18	492
2001	Dry	15.03	16.62	14.58	11.45	4.20	9.92	55.62	73.45	50.85	54.84	51.29	30.19	388
2002	Dry	23.61	11.54	11.84	10.53	9.18	18.36	54.49	61.64	44.81	47.91	45.86	28.33	368
2003	Above Normal	23.53	10.99	9.96	6.90	10.46	20.37	50.93	59.30	46.18	49.85	46.43	29.39	364

Difference in Energy generated (GWh) at New Melones Dam : CP3_2020 minus CONV_NA

Year Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922 Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923 Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1924 Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1925 Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1926 Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1927 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1928 Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1929 Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1930 Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1931 Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1932 Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1933 Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1934 Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1935 Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1936 Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937 Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1938 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939 Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1940 Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1941 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1942 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944 Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1945 Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1946 Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1947 Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1948 Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1949 Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1950 Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1951 Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1952 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954 Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955 Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1956 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1957 Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959 Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960 Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1961 Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1962 Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1963 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1964 Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1965 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1966 Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1967 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1968 Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972 Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1973 Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1974 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976 Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1977 Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1978 Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1979 Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1980 Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1981 Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985 Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1986 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1987 Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1988 Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1989 Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1990 Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1991 Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992 Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1993 Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1994 Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1995 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1996 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1998 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000 Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
2001 Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002 Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2003 Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
Average	0	0	0	0	0	0	0	0	0	0	0	0	0
Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
Critical	0	0	0	0	0	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy generated (GWh) at New Melones Dam : CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1923	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1924	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1925	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1926	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1927	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1928	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1929	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1930	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1931	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1932	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1933	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1934	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1935	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1936	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1937	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1938	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1940	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1942	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1944	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1945	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1946	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1947	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1948	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1949	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1950	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1951	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1955	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1956	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1958	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1960	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1961	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1962	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1963	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1964	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1965	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1966	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1968	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1969	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1972	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1973	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1977	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1978	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1979	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1980	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1982	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1986	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1987	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1988	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1989	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1990	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1992	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1993	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1995	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1998	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2001	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2002	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2003	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Average		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Wet		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Above Norm		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Below Norm		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Dry		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Critical		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Difference in Energy generated (GWh) at Nimbus Dam : CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	-1	0	0	0	0	0	0	0	0
1925	Dry	1	0	0	0	0	0	0	0	0	0	0	-1	0
1926	Dry	0	0	0	0	0	1	-1	0	-1	0	-1	1	0
1927	Wet	0	0	0	1	0	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	0	0	0	0	-2	-1	2	-2	1	0
1929	Critical	0	0	0	0	0	0	0	1	1	0	0	0	0
1930	Dry	0	0	0	0	0	0	0	0	0	1	0	-1	0
1931	Critical	0	0	0	1	0	0	0	0	-1	0	0	-1	0
1932	Dry	1	0	0	0	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1935	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	-1	1	0	0
1937	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	-1	0	0	4	-2	1	0
1940	Above Norma	0	-2	0	-1	0	0	0	-1	0	-1	0	0	0
1941	Wet	-3	-1	5	1	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	-2	0	0	-1	0
1945	Below Norma	0	0	0	0	0	0	0	0	0	-2	0	2	0
1946	Below Norma	0	0	0	0	-1	1	0	0	0	2	-3	0	0
1947	Dry	0	1	0	0	0	0	-1	0	-1	1	-1	1	0
1948	Below Norma	0	0	0	-1	1	0	1	0	0	0	0	0	0
1949	Dry	0	0	0	0	-2	2	0	0	-1	0	0	1	0
1950	Below Norma	0	0	0	1	0	0	0	0	0	0	0	0	0
1951	Above Norma	-2	0	0	0	0	0	0	0	-1	0	-1	-1	0
1952	Wet	0	1	1	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	-1	0	0	0	0	0
1955	Dry	0	0	0	0	-2	0	0	0	0	-1	2	0	0
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	0	0	-3	-1	0	0
1961	Dry	0	0	0	0	0	0	0	0	0	1	0	0	0
1962	Below Norma	0	0	0	0	1	0	0	0	0	0	-3	0	0
1963	Wet	3	0	0	0	0	-1	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	0	0	0	-1	0	1	0	0
1965	Wet	0	0	0	0	0	-2	1	-1	1	0	0	0	0
1966	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	-2	0	0	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	-2	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	1	-3	0	0
1971	Wet	0	0	2	0	-1	1	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	0	0	-1	1	-2	-2	0
1973	Above Norma	0	0	2	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	-1	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	-1	2	0	0
1978	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	-1	0	-1	0	0	1	0
1985	Dry	0	0	0	0	0	0	0	0	-1	0	0	0	0
1986	Wet	0	0	0	0	0	0	0	0	0	4	-3	-1	0
1987	Dry	0	0	0	0	0	0	0	0	1	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	Dry	0	0	2	0	2	0	0	0	0	0	0	1	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	Above Norma	0	0	0	1	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	-1	-1	0	-2	0
1995	Wet	2	0	0	0	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	-1	-2	0	0	0
1998	Wet	0	0	1	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	-1	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	-2	1	0	-1	1	0	-1	0
2003	Above Norma	0	1	0	1	-1	1	0	0	-2	0	1	0	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Below Norma		0	0	0	0	0	0	0	0	0	0	-1	0	0
Dry		0	0	0	0	0	0	0	0	0	0	0	0	0
Critical		0	0	0	0	0	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy generated (GWh) at Nimbus Dam : CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1923	Below Norma	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%	-6%	10%
1924	Critical	12%	0%	0%	0%	-57%	8%	0%	0%	-1%	4%	-19%	-9%
1925	Dry	65%	0%	2%	4%	0%	0%	0%	0%	2%	5%	13%	-14%
1926	Dry	2%	0%	2%	2%	-4%	13%	-12%	0%	-9%	0%	-35%	112%
1927	Wet	-10%	-9%	-9%	20%	0%	0%	0%	0%	0%	1%	5%	-9%
1928	Above Norma	0%	0%	-1%	-11%	11%	0%	0%	-38%	-12%	31%	-37%	31%
1929	Critical	0%	3%	3%	3%	0%	3%	0%	25%	16%	0%	-3%	3%
1930	Dry	0%	0%	0%	0%	0%	-1%	0%	-9%	-3%	22%	-15%	-16%
1931	Critical	0%	3%	3%	33%	3%	1%	0%	5%	-16%	-11%	-12%	-34%
1932	Dry	47%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1933	Critical	0%	0%	-1%	-1%	0%	0%	-1%	0%	-1%	0%	0%	5%
1934	Critical	1%	0%	0%	0%	-1%	-6%	0%	1%	2%	2%	0%	5%
1935	Below Norma	0%	0%	0%	1%	0%	0%	0%	0%	1%	0%	-1%	0%
1936	Below Norma	0%	0%	1%	0%	0%	0%	0%	0%	0%	-8%	15%	0%
1937	Below Norma	0%	0%	3%	4%	-3%	0%	0%	0%	0%	0%	0%	0%
1938	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	0%	0%	-19%	0%	-15%	61%	-57%	147%
1940	Above Norma	-9%	-65%	-2%	-17%	0%	0%	0%	-14%	0%	-5%	-2%	17%
1941	Wet	-44%	-25%	103%	7%	0%	0%	0%	0%	0%	0%	0%	0%
1942	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	-1%
1944	Dry	0%	0%	1%	1%	2%	2%	1%	0%	-32%	4%	10%	-19%
1945	Below Norma	0%	0%	0%	1%	-1%	0%	0%	0%	-3%	-19%	3%	47%
1946	Below Norma	0%	-1%	0%	0%	-21%	26%	0%	0%	-4%	32%	-44%	-8%
1947	Dry	0%	25%	1%	1%	6%	6%	-16%	0%	-26%	20%	-14%	39%
1948	Below Norma	0%	-1%	-2%	-58%	53%	-2%	17%	0%	0%	-6%	3%	3%
1949	Dry	0%	0%	1%	1%	-36%	50%	0%	-1%	-17%	-7%	-6%	32%
1950	Below Norma	0%	1%	1%	23%	0%	0%	0%	0%	0%	0%	0%	0%
1951	Above Norma	-33%	-2%	0%	0%	0%	0%	0%	0%	-11%	0%	-15%	-28%
1952	Wet	0%	20%	13%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	-3%	4%	0%
1954	Above Norma	0%	0%	0%	0%	0%	0%	0%	-10%	0%	-2%	0%	-1%
1955	Dry	0%	3%	3%	3%	-65%	-1%	9%	1%	8%	-20%	48%	-10%
1956	Wet	-9%	1%	-2%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	-3%	0%	-1%	-3%
1958	Wet	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	0%	0%	0%	-9%	3%	2%	2%	0%	0%	0%
1960	Dry	0%	0%	0%	0%	6%	0%	0%	0%	0%	-56%	-14%	1%
1961	Dry	0%	1%	1%	1%	0%	1%	2%	1%	1%	11%	2%	0%
1962	Below Norma	0%	0%	1%	1%	15%	-1%	0%	0%	-3%	0%	-51%	9%
1963	Wet	48%	0%	0%	0%	0%	-24%	0%	0%	0%	-2%	0%	0%
1964	Dry	0%	2%	0%	0%	0%	0%	0%	0%	-13%	-2%	13%	-3%
1965	Wet	0%	10%	1%	0%	0%	-41%	14%	-11%	15%	-2%	0%	3%
1966	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%
1967	Wet	0%	0%	-44%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1968	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	12%	-17%	-17%	0%
1969	Wet	0%	0%	-7%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	0%	0%	0%	-9%	6%	-52%	0%
1971	Wet	0%	0%	23%	0%	-7%	7%	0%	0%	0%	0%	-1%	0%
1972	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	-16%	11%	-45%	-48%
1973	Above Norma	3%	5%	41%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	0%	-3%	-45%	5%	0%	0%
1977	Critical	0%	1%	1%	0%	0%	0%	0%	0%	0%	-61%	348%	8%
1978	Above Norma	-1%	11%	0%	-3%	0%	0%	0%	0%	0%	0%	0%	0%
1979	Below Norma	0%	1%	3%	-3%	0%	0%	-5%	3%	-3%	7%	-6%	-3%
1980	Above Norma	0%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	0%	0%	0%	0%	3%	0%	0%	0%
1982	Wet	0%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	-15%	0%	-12%	0%	-10%	36%
1985	Dry	0%	5%	0%	0%	0%	16%	-1%	-1%	-11%	-4%	-5%	27%
1986	Wet	0%	0%	3%	4%	0%	0%	-1%	-1%	-1%	95%	-42%	-16%
1987	Dry	0%	0%	0%	0%	0%	0%	-3%	-6%	16%	-6%	-19%	-24%
1988	Critical	0%	3%	0%	0%	-2%	0%	0%	0%	0%	0%	0%	0%
1989	Dry	0%	0%	176%	-10%	187%	1%	0%	-1%	-6%	-2%	-2%	41%
1990	Critical	0%	-11%	10%	10%	-18%	0%	0%	1%	0%	-1%	-2%	6%
1991	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	1%	2%
1992	Critical	0%	1%	0%	0%	0%	0%	-4%	-5%	-9%	-11%	-16%	-1%
1993	Above Norma	-1%	0%	0%	19%	0%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	0%	0%	0%	0%	0%	-24%	-10%	0%	-71%
1995	Wet	157%	2%	1%	-2%	0%	0%	0%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	0%	0%	-21%	-23%	0%	11%
1998	Wet	11%	5%	15%	-1%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	0%
2000	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	-8%	0%	1%	5%
2001	Dry	0%	2%	0%	0%	1%	0%	1%	0%	1%	0%	1%	0%
2002	Dry	0%	2%	2%	-2%	-4%	-22%	16%	0%	-13%	15%	-3%	-41%
2003	Above Norma	0%	23%	3%	23%	-18%	42%	0%	0%	-27%	0%	43%	23%
Average		3%	0%	4%	1%	1%	1%	0%	-1%	-4%	1%	0%	3%
Wet		6%	0%	4%	1%	0%	-2%	0%	0%	-1%	3%	-4%	1%
Above Norma		-3%	-2%	3%	1%	-1%	3%	0%	-5%	-5%	2%	-1%	4%
Below Norma		0%	0%	1%	-2%	3%	1%	0%	-1%	0%	-11%	-1%	1%
Dry		6%	2%	11%	0%	5%	4%	-1%	-1%	-6%	2%	-5%	15%
Critical		1%	0%	1%	4%	-6%	1%	0%	2%	-7%	-7%	25%	-7%

Difference in Energy generated (GWh) at O'Neill: CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	-1	0
1925	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	0	0	0	0	0	-1	0	0	0	-2	0
1927	Wet	0	0	0	0	0	0	0	1	0	0	0	0	0
1928	Above Norma	0	0	0	0	0	0	0	0	0	-1	0	0	0
1929	Critical	0	0	0	0	0	0	0	-1	-2	-2	0	0	0
1930	Dry	0	0	0	0	0	0	0	0	0	-2	2	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1932	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	-1	0
1935	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	1	-1	0	0
1937	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	0	0	0	-1	-2	0	0
1940	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	-1	-3	-2	0	0
1945	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1946	Below Norma	0	0	0	0	0	0	0	0	0	-1	0	0	0
1947	Dry	0	0	0	0	0	0	0	0	1	-1	-1	0	0
1948	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1949	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Norma	0	0	0	0	0	0	0	-2	0	0	0	0	0
1951	Above Norma	0	0	0	0	0	0	0	-2	-1	1	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	-1	0	-5	0	-1
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	0	1	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	1	2	2	3	0	1
1961	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Norma	-1	0	0	0	0	0	0	-1	0	0	0	0	0
1963	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	0	0	1	2	-2	-2	0	0
1965	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1966	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	0	0	-1	0	0	0	0
1973	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	-1	-1	0	-1	0
1977	Critical	0	0	0	0	0	0	0	0	0	1	2	0	0
1978	Above Norma	1	0	0	0	0	0	0	0	0	0	0	0	0
1979	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	1	0	0	0	0
1986	Wet	0	0	0	0	0	0	0	0	0	-5	0	0	0
1987	Dry	0	0	0	0	0	0	0	0	0	1	-3	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	Dry	0	0	0	0	0	0	0	0	1	1	1	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	-1	0	0
1993	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	-1	0	0	0	0
1995	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	-2	-1	-1	-1	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	Above Norma	0	0	0	0	0	0	0	0	2	0	0	0	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Below Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Dry		0	0	0	0	0	0	0	0	0	0	-1	0	0
Critical		0	0	0	0	0	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy generated (GWh) at O'Neill: CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	-	-	-	-	-	-	-	-	-	-	-	-
1923	Below Norma	-	-	-	-	-	-	-	-12%	-17%	-	-	-
1924	Critical	-	-	-	-	-100%	0%	-5%	0%	0%	-34%	0%	-100%
1925	Dry	-	-	-	-	-	-	-	7%	-7%	-20%	-4%	-
1926	Dry	-	-	-	-	-	-	-	-28%	-4%	4%	3%	-100%
1927	Wet	-	-	-	-	-	-	-	31%	0%	-11%	-	-
1928	Above Norma	-	-	-	-	-	-	-	24%	22%	-34%	-	-
1929	Critical	-	-	-	-	-	10%	4%	-32%	-51%	-97%	0%	-
1930	Dry	-	-	-	-	-	-	-18%	1%	2%	-52%	54%	-
1931	Critical	-	-	-	-	-	-	0%	-1%	0%	8%	-2%	-
1932	Dry	-	-	-	-	-	1%	2%	2%	3%	5%	-	-
1933	Critical	-	-	-	-	-	0%	0%	0%	0%	0%	0%	-
1934	Critical	-	-	-	-	-	-1%	-1%	0%	0%	-1%	0%	-100%
1935	Below Norma	-6%	-	-	-	-	-	-	-2%	-7%	-3%	31%	-
1936	Below Norma	-	-	-	-	-	-	-	-	-5%	34%	-65%	-
1937	Below Norma	-	-	-	-	-	-	-	-	-2%	-3%	-7%	-
1938	Wet	-	-	-	-	-	-	-	-	-	-	-	-
1939	Dry	-	-	-	-	-	-	101%	-22%	24%	-100%	-100%	-
1940	Above Norma	-	-	-	-	-	-	-	-9%	-7%	-4%	-	-
1941	Wet	-	-	-	-	-	-	-	-	-	-	-	-
1942	Wet	-	-	-	-	-	-	-	0%	-	-	-	-
1943	Wet	-	-	-	-	-	-	-	-	0%	-	-	-
1944	Dry	-	-	-	-	-	-	128%	23%	-44%	-100%	-83%	-
1945	Below Norma	-	-	-	-	-	-	-	15%	0%	-	-	-
1946	Below Norma	-	-	-	-	-	-	-	6%	5%	-100%	-	-
1947	Dry	-	-	-	-	-	-	24%	2%	97%	-100%	-89%	-
1948	Below Norma	-	-	-	-	-	-	-	1%	2%	-	-	-
1949	Dry	-	-	-	-	-	-	0%	0%	0%	-	-	-
1950	Below Norma	-	-	-	-	-	-	-	-62%	15%	1%	-	-
1951	Above Norma	-	-	-	-	-	-	-	-55%	-28%	40%	-	-
1952	Wet	-	-	-	-	-	-	-	-	-	-	-	-
1953	Wet	-	-	-	-	-	-	-	0%	0%	-	-	-
1954	Above Norma	-	-	-	-	-	-	-	0%	0%	3%	-	-
1955	Dry	-	-	-	-	-	-	24%	24%	-46%	-100%	-100%	-
1956	Wet	-	-	-	-	-	-	-	-	-	-	-	-
1957	Above Norma	-	-	-	-	-	-	-	0%	0%	290%	-	-
1958	Wet	-	-	-	-	-	-	-	-	-	-	-	-
1959	Below Norma	-	-	-	-	-	-	0%	0%	0%	-	-	-
1960	Dry	-	-	-	-	-	-	20%	83%	171%	124%	222%	-
1961	Dry	-	-	-	-	-	-	-2%	2%	9%	-	-	-
1962	Below Norma	-100%	-	-	-	-	-	-	-24%	6%	-	-	-
1963	Wet	-	-	-	-	-	-	-	0%	0%	-28%	-	-
1964	Dry	-	-	-	-	-	-	59%	97%	119%	-100%	-100%	-
1965	Wet	-	-	-	-	-	-	-	5%	7%	-	-	-
1966	Below Norma	-	-	-	-	-	-	-	0%	0%	-	-	-
1967	Wet	-	-	-	-	-	-	-	-	-	-	-	-
1968	Below Norma	-	-	-	-	-	-	-	0%	0%	-	-	-
1969	Wet	-	-	-	-	-	-	-	-	-	-	-	-
1970	Wet	-	-	-	-	-	-	-	5%	7%	2%	-	-
1971	Wet	-	-	-	-	-	-	-	0%	0%	-8%	-	-
1972	Below Norma	-	-	-	-	-	-	0%	0%	-33%	-8%	-	-
1973	Above Norma	-	-	-	-	-	-	-	0%	0%	-	-	-
1974	Wet	-	-	-	-	-	-	-	0%	0%	-	-	-
1975	Wet	-	-	-	-	-	-	-	-2%	0%	-	-	-
1976	Critical	-	-	-	-	-	-	-2%	-15%	-17%	-38%	6%	-100%
1977	Critical	-	-	-	-	-	0%	0%	0%	0%	-	296%	-
1978	Above Norma	-	-	-	-	-	-	-	-	-	-	-	-
1979	Below Norma	-	-	-	-	-	-	-	-	9%	-	-	-
1980	Above Norma	-	-	-	-	-	-	-	-	-	-	-	-
1981	Dry	-	-	-	-	-	-	-	0%	-3%	-	-	-
1982	Wet	-	-	-	-	-	-	-	-	-	-	-	-
1983	Wet	-	-	-	-	-	-	-	-	-	-	-	-
1984	Wet	-	-	-	-	-	-	-	0%	0%	3%	-	-
1985	Dry	-	-	-	-	-	-	15%	5%	70%	-	-	-
1986	Wet	-	-	-	-	-	-	-	-	-	-76%	-	-
1987	Dry	-	-	-	-	-	-	-48%	0%	-24%	-	-61%	-
1988	Critical	-	-	-	-	-	1%	6%	1%	-11%	-50%	1%	-
1989	Dry	-	-	-	-	-	-	-	6%	84%	235%	78%	-
1990	Critical	-	-	-	-	-	-	0%	0%	0%	11%	0%	4%
1991	Critical	-	-	-	-	-	-	0%	0%	0%	-2%	0%	-
1992	Critical	-	-	-	-	-	-	-	-5%	-7%	4%	-13%	-
1993	Above Norma	-	-	-	-	-	-	-	0%	-	-	-	-
1994	Critical	-	-	-	-	-	-	0%	0%	-30%	-	-	-
1995	Wet	-	-	-	-	-	-	-	-	-	-	-	-
1996	Wet	-	-	-	-	-	-	-	-	-11%	-	-	-
1997	Wet	-	-	-	-	-	-	-	-22%	0%	-	-	-
1998	Wet	-	-	-	-	-	-	-	-	-	-	-	-
1999	Wet	-	-	-	-	-	-	-	0%	0%	-	-	-
2000	Above Norma	-	-	-	-	-	-	-	0%	0%	19%	-	-
2001	Dry	-	-	-	-	-	-	115%	23%	-53%	-100%	-15%	-100%
2002	Dry	-	-	-	-	-	-	-	3%	5%	-	-	-
2003	Above Norma	-	-	-	-	-	-	-	9%	113%	5%	-	-
<hr/>													
Average		-53%	#DIV/0!	#DIV/0!	#DIV/0!	-100%	2%	16%	1%	6%	-9%	2%	-83%
Wet		0%	0%	0%	0%	0%	0%	0%	1%	0%	-5%	0%	0%
Above Norma		0%	0%	0%	0%	0%	0%	0%	-3%	8%	27%	0%	0%
Below Norma		-8%	0%	0%	0%	0%	0%	0%	-6%	-2%	-6%	-3%	0%
Dry		0%	0%	0%	0%	0%	0%	23%	13%	22%	-17%	-11%	-11%
Critical		0%	0%	0%	0%	-8%	1%	0%	-4%	-10%	-17%	24%	-25%

Difference in Energy generated (GWh) at Shasta Dam : CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	-4	0	0	-13	-12	1	-11	-3
1923	Below Norma	1	1	-2	-3	-2	0	1	-13	-24	2	-10	-6	-6
1924	Critical	-1	-5	-1	25	19	2	-5	7	12	15	13	49	11
1925	Dry	4	1	2	0	0	-7	3	2	-14	5	4	2	0
1926	Dry	3	2	2	1	1	0	0	16	15	5	17	9	6
1927	Wet	12	0	0	-2	-100	5	11	13	15	16	12	6	-1
1928	Above Norma	6	1	6	-18	8	40	38	45	7	15	53	-11	16
1929	Critical	24	6	6	46	-2	-2	4	3	23	34	10	0	13
1930	Dry	1	1	4	1	3	3	1	1	-17	2	4	0	0
1931	Critical	1	1	1	1	3	2	3	3	17	3	2	7	4
1932	Dry	6	6	0	-10	1	1	1	-1	0	2	3	1	1
1933	Critical	1	1	1	1	1	1	1	1	2	1	1	6	1
1934	Critical	2	0	0	3	2	2	0	-1	0	0	1	3	1
1935	Below Norma	0	0	0	0	0	0	0	-1	-1	-1	-1	0	0
1936	Below Norma	0	0	0	0	1	0	0	-1	-1	-7	-16	10	-1
1937	Below Norma	1	0	1	1	0	0	15	0	-1	-13	-6	-5	-1
1938	Wet	2	-30	-185	5	34	39	12	10	14	15	11	6	-5
1939	Dry	8	5	5	5	4	43	25	35	111	-71	68	5	20
1940	Above Norma	26	30	1	0	-63	40	4	23	13	19	13	-21	7
1941	Wet	43	22	-43	40	36	13	14	16	14	12	13	10	16
1942	Wet	8	5	21	22	35	5	14	3	12	8	17	10	13
1943	Wet	8	6	7	15	8	13	6	12	15	15	12	5	10
1944	Dry	4	6	6	5	5	5	9	11	56	121	36	-13	21
1945	Below Norma	-6	3	3	1	4	2	2	3	-11	13	4	4	2
1946	Below Norma	6	-11	-81	8	29	5	9	11	13	44	15	22	6
1947	Dry	26	9	3	0	0	-1	12	8	-14	19	39	7	9
1948	Below Norma	15	4	4	2	-2	2	2	-38	-79	-14	20	14	-6
1949	Dry	1	5	6	4	43	8	4	9	12	8	12	17	11
1950	Below Norma	6	11	4	6	9	2	3	6	4	13	3	-4	5
1951	Above Norma	72	-104	-48	9	16	7	35	6	13	15	11	5	3
1952	Wet	0	17	-24	9	20	12	21	12	11	12	12	9	9
1953	Wet	7	6	10	40	4	5	19	-2	14	6	19	10	11
1954	Above Norma	8	8	5	15	19	10	13	27	8	16	13	5	12
1955	Dry	24	17	3	3	34	-24	11	15	29	82	37	19	21
1956	Wet	-1	7	0	41	38	4	5	15	14	12	8	10	13
1957	Above Norma	9	6	6	5	9	10	13	8	16	16	23	3	10
1958	Wet	-12	8	11	14	36	31	12	9	14	14	13	10	13
1959	Below Norma	8	6	6	11	14	15	9	10	29	19	20	2	12
1960	Dry	19	95	83	-2	-3	1	1	1	-25	3	-47	-6	10
1961	Dry	4	6	8	-1	-45	-60	8	23	16	13	-53	-29	-4
1962	Below Norma	36	27	2	-5	-27	5	9	13	15	15	87	-28	12
1963	Wet	10	-13	-51	6	8	36	28	7	14	9	11	9	6
1964	Dry	8	10	5	8	35	3	21	13	50	95	52	20	27
1965	Wet	-7	0	-229	40	3	49	-38	28	-17	36	30	38	-5
1966	Below Norma	-16	-36	-8	21	6	14	8	12	19	17	53	-9	7
1967	Wet	-5	22	-27	10	7	17	12	21	14	13	13	10	9
1968	Below Norma	8	5	5	5	17	4	11	13	17	44	-15	2	10
1969	Wet	10	14	0	2	36	6	14	16	14	13	11	7	12
1970	Wet	8	6	18	41	14	4	14	16	25	-30	65	6	16
1971	Wet	18	15	-47	17	41	-19	5	13	14	17	10	7	8
1972	Below Norma	8	6	5	4	5	13	17	18	7	32	35	23	14
1973	Above Norma	-2	16	-62	10	19	7	6	9	16	15	11	4	4
1974	Wet	1	40	40	41	5	38	6	8	14	10	13	10	19
1975	Wet	8	6	5	6	6	38	5	13	14	11	11	10	11
1976	Critical	9	6	5	74	4	4	19	17	43	21	4	16	19
1977	Critical	23	35	25	2	146	-5	2	-8	-18	-67	-54	0	7
1978	Above Norma	0	0	2	0	-84	-180	7	14	16	14	11	1	-17
1979	Below Norma	7	6	6	6	35	6	7	14	21	28	13	17	14
1980	Above Norma	3	-14	1	-55	37	4	27	8	11	12	9	36	7
1981	Dry	24	5	0	3	5	-36	4	10	-5	56	67	-71	5
1982	Wet	9	-45	41	8	35	14	29	4	12	14	9	10	12
1983	Wet	9	7	16	22	36	40	9	11	17	15	13	11	17
1984	Wet	9	14	41	6	5	11	18	11	22	15	13	42	17
1985	Dry	-42	-4	7	40	4	37	10	14	91	15	8	8	16
1986	Wet	-17	-6	-1	-2	29	33	49	28	16	13	29	20	16
1987	Dry	33	15	-1	-2	-2	4	16	15	3	-8	44	42	13
1988	Critical	-21	0	1	-3	-6	1	5	2	1	14	4	0	0
1989	Dry	0	1	1	1	1	0	32	1	-12	-12	5	-16	0
1990	Critical	3	30	-4	-3	14	0	0	0	1	-2	0	-1	3
1991	Critical	1	-1	1	0	0	0	0	1	1	2	0	0	0
1992	Critical	1	0	1	1	0	0	3	5	6	3	6	0	2
1993	Above Norma	0	3	-1	0	0	0	-14	-199	-79	17	7	9	-21
1994	Critical	7	6	6	30	3	6	8	20	83	-4	7	-6	14
1995	Wet	1	5	5	-61	7	38	8	17	13	14	12	10	6
1996	Wet	8	16	-4	4	36	10	14	6	13	14	9	7	11
1997	Wet	8	8	41	41	5	5	40	11	24	39	9	4	20
1998	Wet	5	7	10	16	37	21	14	10	24	16	14	11	15
1999	Wet	9	12	13	8	34	13	5	13	14	16	10	6	13
2000	Above Norma	8	7	6	10	37	7	4	11	23	16	10	1	12
2001	Dry	-5	18	6	8	7	3	3	28	72	55	31	8	19
2002	Dry	5	5	11	-147	33	32	12	12	11	37	57	-31	3
2003	Above Norma	25	54	5	-206	2	30	-13	20	14	9	-9	16	-4
Average		7	6	-3	4	10	7	9	7	12	14	14	6	8
Wet		6	6	-13	15	18	19	13	12	14	13	15	11	11
Above Norma		13	1	-7	-19	0	-2	10	-2	4	13	13	3	2
Below Norma		5	2	-4	4	6	5	7	3	1	12	15	3	5
Dry		7	11	8	-5	7	1	10	12	21	24	21	2	10
Critical		4	7	3	15	15	1	3	4	14	2	0	6	6

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy generated (GWh) at Shasta Dam : CP3_2020 minus CONV_NA

Year Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922 Above Norma	0%	0%	0%	0%	0%	-3%	0%	0%	-5%	-4%	1%	-10%
1923 Below Norma	1%	1%	-2%	-4%	-2%	0%	1%	-5%	-7%	-10%	1%	-10%
1924 Critical	-1%	-5%	-2%	55%	42%	3%	-3%	5%	6%	9%	12%	112%
1925 Dry	9%	2%	4%	3%	2%	-4%	8%	2%	-7%	2%	2%	2%
1926 Dry	2%	2%	2%	2%	2%	0%	0%	11%	7%	2%	11%	13%
1927 Wet	15%	0%	0%	-3%	-24%	5%	5%	6%	5%	5%	5%	5%
1928 Above Norma	5%	1%	5%	-17%	8%	10%	45%	16%	3%	5%	21%	-10%
1929 Critical	19%	7%	6%	154%	-2%	-2%	3%	2%	13%	17%	6%	0%
1930 Dry	1%	1%	7%	1%	5%	3%	1%	0%	-7%	1%	2%	0%
1931 Critical	1%	2%	2%	2%	5%	3%	2%	2%	9%	2%	1%	9%
1932 Dry	8%	13%	0%	-34%	1%	1%	1%	-2%	0%	1%	3%	1%
1933 Critical	1%	1%	1%	1%	1%	1%	2%	1%	1%	1%	1%	6%
1934 Critical	2%	1%	1%	5%	3%	3%	0%	-1%	0%	0%	1%	7%
1935 Below Norma	0%	0%	0%	0%	0%	0%	0%	-1%	0%	0%	0%	0%
1936 Below Norma	0%	0%	0%	0%	1%	0%	0%	0%	0%	-3%	-8%	10%
1937 Below Norma	1%	0%	1%	1%	1%	1%	22%	0%	0%	-6%	-3%	-5%
1938 Wet	2%	-24%	-44%	5%	8%	8%	5%	5%	6%	5%	5%	3%
1939 Dry	5%	5%	5%	5%	5%	54%	11%	17%	47%	-21%	36%	4%
1940 Above Norma	61%	42%	1%	1%	-15%	9%	5%	13%	5%	6%	6%	-15%
1941 Wet	36%	23%	-29%	9%	9%	5%	5%	5%	6%	4%	4%	4%
1942 Wet	5%	5%	5%	5%	8%	5%	14%	1%	6%	3%	6%	4%
1943 Wet	5%	5%	5%	5%	5%	5%	5%	6%	5%	5%	5%	5%
1944 Dry	3%	5%	5%	5%	5%	5%	5%	7%	27%	56%	18%	-10%
1945 Below Norma	-5%	4%	4%	2%	4%	1%	2%	2%	-4%	4%	2%	3%
1946 Below Norma	4%	-9%	-18%	5%	21%	4%	5%	5%	5%	15%	7%	24%
1947 Dry	18%	10%	3%	0%	0%	-1%	10%	3%	-5%	7%	22%	6%
1948 Below Norma	19%	5%	5%	3%	-1%	3%	2%	-32%	-32%	-4%	9%	7%
1949 Dry	1%	5%	5%	5%	22%	20%	4%	5%	4%	2%	6%	21%
1950 Below Norma	4%	11%	4%	7%	10%	2%	3%	3%	2%	6%	2%	-4%
1951 Above Norma	87%	-50%	-13%	5%	5%	6%	22%	5%	4%	4%	5%	5%
1952 Wet	0%	19%	-7%	5%	5%	5%	5%	5%	6%	5%	4%	4%
1953 Wet	5%	5%	5%	9%	5%	5%	19%	-1%	5%	2%	8%	4%
1954 Above Norma	5%	5%	5%	5%	5%	5%	5%	8%	3%	5%	6%	6%
1955 Dry	21%	19%	3%	4%	27%	-21%	7%	11%	11%	31%	22%	25%
1956 Wet	-1%	8%	0%	9%	9%	5%	5%	5%	6%	5%	3%	4%
1957 Above Norma	5%	5%	5%	5%	4%	4%	5%	6%	6%	5%	10%	6%
1958 Wet	-6%	5%	5%	5%	9%	7%	4%	5%	5%	5%	4%	4%
1959 Below Norma	5%	5%	5%	5%	5%	7%	5%	4%	9%	6%	8%	3%
1960 Dry	16%	86%	88%	-3%	-5%	1%	1%	1%	-9%	1%	-21%	-5%
1961 Dry	4%	7%	9%	-1%	-43%	-40%	4%	12%	5%	4%	-14%	31%
1962 Below Norma	35%	25%	2%	-4%	-25%	4%	6%	6%	6%	4%	40%	-20%
1963 Wet	11%	-10%	-23%	5%	4%	13%	6%	5%	5%	3%	5%	9%
1964 Dry	5%	5%	5%	9%	49%	3%	9%	7%	23%	46%	28%	17%
1965 Wet	-7%	0%	-59%	9%	5%	42%	-20%	12%	-6%	12%	19%	41%
1966 Below Norma	-11%	-18%	-8%	16%	4%	5%	5%	6%	5%	5%	24%	-8%
1967 Wet	-3%	29%	-15%	5%	5%	5%	5%	6%	5%	5%	4%	4%
1968 Below Norma	5%	5%	5%	5%	5%	5%	5%	7%	5%	15%	-7%	2%
1969 Wet	12%	16%	0%	0%	8%	4%	5%	5%	6%	5%	5%	3%
1970 Wet	5%	5%	5%	9%	5%	5%	6%	8%	10%	-8%	37%	10%
1971 Wet	15%	20%	-18%	5%	26%	-5%	4%	5%	6%	5%	5%	3%
1972 Below Norma	5%	5%	5%	5%	4%	5%	8%	9%	2%	10%	14%	28%
1973 Above Norma	-2%	19%	-38%	3%	5%	4%	5%	6%	5%	5%	5%	5%
1974 Wet	1%	9%	9%	9%	5%	8%	4%	5%	5%	4%	4%	4%
1975 Wet	5%	5%	5%	5%	4%	8%	5%	5%	6%	5%	4%	4%
1976 Critical	5%	5%	5%	337%	4%	3%	14%	8%	16%	9%	3%	23%
1977 Critical	20%	39%	24%	2%	170%	-6%	1%	-7%	-6%	-27%	-42%	0%
1978 Above Norma	0%	1%	4%	-	-54%	-54%	5%	6%	5%	5%	5%	1%
1979 Below Norma	5%	5%	5%	5%	54%	8%	8%	10%	6%	9%	8%	23%
1980 Above Norma	4%	-12%	1%	-13%	9%	5%	28%	5%	4%	4%	5%	47%
1981 Dry	22%	4%	0%	4%	6%	-25%	4%	5%	-1%	21%	32%	-48%
1982 Wet	14%	-27%	9%	5%	8%	5%	6%	4%	6%	5%	4%	4%
1983 Wet	5%	5%	5%	5%	9%	9%	4%	5%	6%	5%	4%	4%
1984 Wet	5%	5%	9%	5%	5%	5%	10%	5%	9%	4%	7%	52%
1985 Dry	-27%	-2%	5%	52%	4%	43%	7%	6%	35%	6%	3%	6%
1986 Wet	-16%	-7%	-2%	-3%	7%	7%	71%	15%	6%	5%	14%	36%
1987 Dry	37%	14%	-1%	-2%	-3%	6%	7%	6%	1%	-3%	34%	34%
1988 Critical	-19%	0%	1%	-4%	-5%	1%	4%	1%	1%	6%	3%	0%
1989 Dry	0%	2%	2%	1%	1%	1%	40%	0%	-5%	-5%	2%	-14%
1990 Critical	4%	23%	-4%	-4%	18%	0%	0%	0%	0%	-1%	0%	-2%
1991 Critical	1%	-1%	1%	1%	1%	1%	1%	0%	0%	1%	0%	0%
1992 Critical	1%	0%	1%	1%	1%	1%	4%	2%	2%	1%	4%	0%
1993 Above Norma	1%	5%	-1%	-1%	0%	0%	-11%	-70%	-31%	5%	4%	4%
1994 Critical	5%	5%	5%	49%	4%	4%	4%	13%	33%	-1%	3%	-6%
1995 Wet	1%	6%	7%	-31%	5%	8%	4%	5%	5%	5%	4%	4%
1996 Wet	5%	12%	-3%	5%	8%	5%	13%	2%	5%	5%	5%	3%
1997 Wet	5%	5%	9%	9%	5%	5%	23%	5%	10%	13%	6%	5%
1998 Wet	4%	7%	11%	4%	9%	5%	20%	2%	6%	5%	4%	4%
1999 Wet	5%	5%	5%	8%	8%	5%	5%	5%	5%	5%	5%	3%
2000 Above Norma	5%	5%	5%	5%	8%	5%	5%	5%	7%	5%	4%	1%
2001 Dry	-3%	7%	4%	8%	9%	5%	2%	12%	26%	25%	21%	9%
2002 Dry	3%	7%	17%	-72%	17%	21%	8%	6%	4%	12%	38%	-23%
2003 Above Norma	20%	54%	9%	-61%	1%	37%	-7%	6%	5%	2%	-4%	20%
Average	7%	6%	1%	8%	7%	4%	7%	4%	5%	5%	7%	7%
Wet	5%	5%	-4%	4%	6%	7%	9%	4%	5%	5%	7%	9%
Above Norma	16%	6%	-1%	-6%	-2%	2%	9%	0%	1%	4%	6%	5%
Below Norma	5%	3%	1%	3%	6%	3%	5%	1%	0%	4%	7%	4%
Dry	7%	11%	9%	-1%	6%	4%	7%	6%	9%	10%	14%	4%
Critical	3%	6%	4%	50%	20%	1%	3%	2%	6%	1%	-1%	12%

Difference in Energy generated (GWh) at Spring Creek: CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norm	0	0	0	0	0	5	0	0	15	16	0	15	4
1923	Below Norm	0	0	3	5	4	2	0	0	8	-9	0	-23	-1
1924	Critical	0	0	-4	-34	-22	-3	15	0	0	0	0	-30	-7
1925	Dry	5	0	0	0	0	0	-3	0	23	0	0	0	2
1926	Dry	0	0	0	0	0	0	0	0	1	0	-5	0	0
1927	Wet	0	0	0	3	0	0	0	0	0	0	0	0	0
1928	Above Norm	0	0	0	0	-3	0	0	0	23	16	0	0	3
1929	Critical	0	0	0	-55	4	5	0	3	2	0	0	0	-3
1930	Dry	0	0	-4	0	0	0	0	0	23	0	0	0	2
1931	Critical	0	0	0	0	-3	-2	0	0	0	0	0	0	0
1932	Dry	-20	-6	0	18	0	0	0	0	3	0	-3	0	-1
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	-4	-3	-3	-3	-3	0	0	0	7	-1
1935	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norm	0	0	0	0	0	0	0	0	0	8	8	0	1
1937	Below Norm	0	0	0	0	0	0	-9	0	0	16	8	8	2
1938	Wet	-2	-1	0	0	0	0	0	0	0	0	0	-36	-3
1939	Dry	0	0	0	0	0	-44	2	-10	-48	100	0	13	1
1940	Above Norm	-20	-20	0	0	0	0	0	0	0	0	0	30	-1
1941	Wet	0	-7	0	0	0	0	0	0	0	0	0	0	-1
1942	Wet	0	0	0	0	0	0	-10	0	0	10	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	3	0	0	0	0	0	0	0	0	-40	3	0	-3
1945	Below Norm	8	0	0	0	-3	0	0	0	17	16	0	0	3
1946	Below Norm	0	0	0	0	0	0	0	0	0	16	0	-15	0
1947	Dry	0	-7	0	3	4	5	0	0	8	16	-13	-15	0
1948	Below Norm	0	0	0	0	0	0	0	0	1	45	0	0	4
1949	Dry	-3	0	0	0	0	-8	0	0	18	16	0	-15	1
1950	Below Norm	0	-7	0	0	-4	2	0	0	-2	0	16	0	0
1951	Above Norm	-23	0	0	0	0	-2	-30	0	0	0	0	0	-5
1952	Wet	15	-15	0	0	0	-4	0	0	0	2	0	0	0
1953	Wet	0	0	0	0	0	0	-16	0	0	16	0	0	0
1954	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	-12	-15	0	0	0	0	0	0	0	0	16	0	-1
1956	Wet	0	-7	0	0	0	0	0	0	0	0	0	0	-1
1957	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norm	0	0	0	0	0	0	0	0	0	-25	3	-2	-2
1960	Dry	-1	-15	4	3	4	0	0	0	0	16	16	0	2
1961	Dry	0	0	-3	3	0	0	0	0	0	0	-41	0	-3
1962	Below Norm	0	12	5	5	0	0	0	0	0	0	0	0	2
1963	Wet	-7	0	0	0	0	0	0	0	0	0	0	-5	-1
1964	Dry	0	26	0	-4	-36	2	-7	0	0	-18	25	0	-1
1965	Wet	8	0	0	0	0	0	0	0	38	0	-23	-40	-1
1966	Below Norm	0	1	20	4	0	0	0	0	0	0	-17	0	1
1967	Wet	0	-15	31	0	0	0	0	0	0	0	0	0	1
1968	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	-7	-8	0	0	0	0	15	0	0	0	0	0
1970	Wet	0	0	1	0	0	0	0	0	0	61	-23	0	3
1971	Wet	0	-15	0	0	-10	22	0	0	0	0	0	0	0
1972	Below Norm	0	0	0	0	0	0	0	0	43	0	-23	0	2
1973	Above Norm	-22	-15	0	0	0	0	0	0	0	0	0	0	-3
1974	Wet	0	0	0	0	0	0	0	0	0	0	1	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	2	0	0
1976	Critical	0	0	0	-82	0	0	0	0	-11	0	8	0	-7
1977	Critical	8	0	55	7	59	0	-26	0	0	56	32	-3	16
1978	Above Norm	-55	0	0	0	0	0	0	0	0	0	0	0	-5
1979	Below Norm	0	0	0	0	-3	-3	0	-3	0	0	0	-15	-2
1980	Above Norm	0	0	3	0	0	0	-25	0	0	0	0	-39	-5
1981	Dry	-23	0	5	0	-3	0	0	0	23	-17	-40	30	-2
1982	Wet	0	0	0	4	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	-54	-4
1985	Dry	0	2	26	-41	0	0	0	-1	-33	0	0	-8	-5
1986	Wet	18	11	5	5	0	0	-52	0	19	23	0	-4	2
1987	Dry	-23	0	4	5	4	-3	0	0	4	0	0	-8	-1
1988	Critical	14	-1	0	5	7	0	-4	0	8	-8	0	2	2
1989	Dry	0	0	6	0	0	0	0	0	8	16	0	0	2
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	3	0	0	1	0
1993	Above Norm	0	0	0	0	0	0	3	0	0	0	6	0	1
1994	Critical	0	0	0	-30	0	0	0	-16	-24	19	19	26	0
1995	Wet	0	0	0	0	0	0	-7	0	0	0	0	0	-1
1996	Wet	0	-11	11	0	0	0	-10	0	0	0	0	0	-1
1997	Wet	0	9	0	0	0	0	-35	0	0	0	0	0	-2
1998	Wet	0	-3	-7	0	0	0	-12	0	1	1	0	0	-2
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	-1	0	0	0	0	0	0	0	-37	-16	0	0	-4
2002	Dry	8	0	-8	0	0	0	0	0	15	0	0	0	1
2003	Above Norm	-3	-2	-3	0	0	0	0	0	0	9	6	0	1
Average		-2	-1	2	-2	0	0	-3	0	2	5	-1	-2	0
Wet		1	-2	1	0	0	1	-5	1	2	4	-2	-5	0
Above Norm		-10	-3	0	0	0	0	-4	0	3	3	1	1	-1
Below Norm		1	0	2	1	0	0	-1	0	5	7	-2	-3	1
Dry		-4	-1	2	-1	-1	-3	0	-1	0	4	-2	0	-1
Critical		2	0	4	-16	4	0	-1	-1	-2	6	5	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy generated (GWh) at Spring Creek: CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	0%	0%	394%	-	0%	79%	36%	0%	26%
1923	Below Norma	0%	0%	-	138%	261%	49%	-	0%	43%	-11%	0%	-45%
1924	Critical	0%	0%	-100%	-87%	-66%	-94%	2695%	-100%	0%	0%	0%	-79%
1925	Dry	95%	-1%	0%	0%	0%	0%	-6%	0%	381%	0%	0%	0%
1926	Dry	0%	0%	0%	0%	0%	0%	0%	0%	47%	0%	-9%	0%
1927	Wet	0%	0%	0%	15%	0%	0%	0%	0%	0%	0%	0%	0%
1928	Above Norma	0%	0%	-	0%	-26%	0%	-	-	143%	36%	0%	0%
1929	Critical	0%	0%	0%	-92%	256%	402%	-100%	72%	9%	0%	0%	0%
1930	Dry	0%	0%	-18%	0%	0%	0%	0%	0%	658%	0%	0%	0%
1931	Critical	0%	0%	-	0%	-96%	-41%	-100%	-	0%	0%	0%	0%
1932	Dry	-71%	-61%	-	41%	0%	-	1%	1%	35%	0%	-6%	5%
1933	Critical	-1%	-1%	-	0%	0%	-	-	0%	0%	0%	0%	0%
1934	Critical	0%	0%	0%	-41%	-29%	-60%	-54%	-100%	0%	0%	0%	14%
1935	Below Norma	1%	-	0%	-1%	-	-	0%	0%	0%	0%	0%	0%
1936	Below Norma	0%	0%	-	0%	0%	0%	-	0%	0%	27%	28%	0%
1937	Below Norma	0%	0%	-	-	-	-	-65%	0%	0%	30%	28%	37%
1938	Wet	-12%	-9%	0%	0%	0%	0%	0%	0%	-50%	-	0%	-51%
1939	Dry	0%	0%	0%	0%	0%	-100%	28216600%	-41%	-60%	-	0%	19%
1940	Above Norma	-19%	-40%	0%	0%	0%	0%	0%	0%	0%	0%	0%	70%
1941	Wet	0%	-46%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1942	Wet	0%	0%	0%	0%	0%	0%	-50%	0%	-60%	19%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	-	-	-	0%	0%	0%
1944	Dry	13%	0%	-	-	0%	0%	-	0%	0%	-40%	4%	0%
1945	Below Norma	29%	0%	0%	0%	-12%	0%	0%	-	-	36%	0%	0%
1946	Below Norma	0%	0%	0%	0%	0%	0%	-	-	0%	36%	0%	-26%
1947	Dry	0%	-43%	0%	420716600%	82%	70%	-100%	0%	34%	30%	-16%	-35%
1948	Below Norma	0%	0%	-	0%	0%	0%	0%	0%	54%	297584200%	0%	27%
1949	Dry	-40%	0%	-	-	0%	-15%	0%	-100%	229366794%	35%	0%	-26%
1950	Below Norma	0%	-49%	0%	0%	-33%	44%	0%	0%	-8%	0%	31%	0%
1951	Above Norma	-65%	0%	0%	0%	0%	-28%	-100%	0%	-	0%	0%	0%
1952	Wet	57%	-72%	0%	0%	0%	-13%	0%	0%	0%	12%	-80%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	-83%	0%	0%	42%	0%	0%
1954	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1955	Dry	-45%	-73%	0%	0%	0%	-	-	0%	0%	0%	26%	0%
1956	Wet	0%	-43%	0%	0%	0%	0%	0%	0%	-	0%	0%	0%
1957	Above Norma	0%	0%	-	0%	0%	0%	-4%	0%	-	0%	0%	0%
1958	Wet	0%	0%	0%	0%	0%	0%	0%	0%	812%	0%	0%	0%
1959	Below Norma	0%	0%	-	0%	0%	0%	0%	-100%	0%	0%	-25%	4%
1960	Dry	-4%	-50%	123%	29%	20%	0%	-	0%	0%	26%	30%	0%
1961	Dry	0%	0%	-23%	105%	0%	0%	-	-	0%	0%	-41%	0%
1962	Below Norma	0%	186%	79%	342%	0%	0%	0%	-100%	0%	0%	0%	0%
1963	Wet	-42%	0%	0%	0%	0%	0%	0%	0%	-	0%	0%	-14%
1964	Dry	0%	264%	0%	-12%	-81%	-	-100%	0%	0%	-18%	34%	0%
1965	Wet	30%	0%	0%	0%	0%	-100%	0%	0%	-	0%	-28%	-100%
1966	Below Norma	0%	3%	423%	14%	0%	0%	0%	-45%	-	0%	-17%	0%
1967	Wet	0%	-51%	113%	0%	0%	1%	0%	0%	0%	0%	-	0%
1968	Below Norma	0%	0%	0%	0%	0%	0%	-	0%	0%	0%	0%	0%
1969	Wet	0%	-41%	-45%	0%	0%	0%	0%	88%	0%	0%	0%	0%
1970	Wet	0%	0%	1%	0%	0%	0%	-	-	0%	1775%	-23%	0%
1971	Wet	0%	-48%	0%	0%	-42%	73%	0%	0%	0%	0%	0%	0%
1972	Below Norma	0%	0%	0%	0%	0%	0%	-	0%	290279125%	0%	-27%	0%
1973	Above Norma	-47%	-46%	0%	0%	0%	0%	0%	0%	-100%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	5%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	7%	0%
1976	Critical	0%	0%	0%	-99%	0%	-	-	0%	-23%	0%	11%	0%
1977	Critical	25%	0%	763%	78%	-	-100%	-100%	0%	0%	114%	30%	-8%
1978	Above Norma	-51%	-100%	2%	0%	0%	0%	0%	0%	-	0%	0%	0%
1979	Below Norma	0%	0%	0%	0%	-25%	-20%	-	-56%	-	0%	0%	-25%
1980	Above Norma	0%	0%	111%	0%	0%	0%	-96%	0%	0%	0%	0%	-63%
1981	Dry	-86%	0%	86%	0%	-15%	0%	-	0%	106%	-17%	-39%	66%
1982	Wet	0%	0%	0%	12%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	-	-	0%	0%	0%	-93%
1985	Dry	0%	7%	349%	-92%	0%	-	0%	-19%	-51%	0%	0%	-14%
1986	Wet	53%	157%	86%	30%	0%	0%	-97%	-100%	105%	37%	0%	-8%
1987	Dry	-83%	0%	-	546%	59%	-20%	-	0%	12%	0%	0%	-15%
1988	Critical	52%	-10%	0%	27%	661%	0%	-100%	0%	20%	-11%	0%	7%
1989	Dry	0%	0%	241%	0%	0%	0%	0%	56%	45%	28%	0%	0%
1990	Critical	0%	0%	-	0%	0%	-	-	0%	0%	0%	0%	0%
1991	Critical	0%	0%	-	-	-	0%	-	0%	0%	0%	0%	0%
1992	Critical	0%	0%	-	0%	0%	0%	0%	0%	43%	0%	0%	1%
1993	Above Norma	0%	0%	0%	0%	0%	0%	85%	0%	0%	0%	20%	-
1994	Critical	0%	0%	0%	-83%	0%	-	-	-83%	-36%	24%	24%	42%
1995	Wet	0%	0%	0%	0%	0%	0%	-21%	0%	0%	0%	0%	0%
1996	Wet	0%	-76%	23%	0%	0%	0%	-100%	0%	-	0%	0%	-100%
1997	Wet	0%	54%	0%	0%	0%	0%	-96%	-50%	0%	0%	0%	0%
1998	Wet	0%	-21%	-63%	0%	0%	0%	-21%	0%	1%	1%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2001	Dry	-4%	-	0%	0%	0%	0%	0%	0%	-52%	-15%	0%	0%
2002	Dry	27%	0%	-24%	0%	0%	0%	-	0%	82%	0%	0%	0%
2003	Above Norma	-9%	-11%	-7%	0%	0%	0%	0%	0%	-	21%	13%	0%
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Average		-2%	-3%	32%	5393814%	12%	6%	478271%	-9%	7423546%	3719831%	0%	-5%
Wet		3%	-7%	4%	2%	-2%	-1%	-18%	-2%	31%	73%	-5%	-14%
Above Norma		-16%	-16%	9%	0%	-2%	31%	-10%	0%	10%	8%	3%	3%
Below Norma		2%	10%	36%	35%	14%	5%	-5%	-22%	20734230%	21256023%	1%	-2%
Dry		-11%	2%	41%	23373179%	4%	-4%	1567578%	-6%	12742668%	2%	-1%	0%
Critical		6%	-1%	55%	-25%	61%	9%	187%	-18%	1%	11%	5%	-2%

Difference in Energy generated (GWh) at Syst. Tot.: CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	9	0	0	30	32	1	29	8
1923	Below Norma	0	1	7	9	9	4	0	-23	-6	-62	-1	-73	-11
1924	Critical	1	-8	-7	-73	-67	-2	36	11	10	15	15	-16	-7
1925	Dry	19	2	3	9	1	-9	0	5	49	8	5	-5	7
1926	Dry	3	2	3	2	-1	4	-5	12	16	9	1	13	5
1927	Wet	11	-2	-2	17	-110	0	0	5	0	0	1	-3	-7
1928	Above Norma	0	-6	0	-30	0	26	38	28	73	66	40	-9	19
1929	Critical	28	8	8	-106	10	13	6	15	25	28	11	1	4
1930	Dry	1	1	-7	1	4	4	0	-2	43	-2	13	-5	4
1931	Critical	1	2	2	8	-6	-2	4	5	19	-2	2	4	3
1932	Dry	-40	-8	0	35	1	1	17	-16	8	3	-3	1	0
1933	Critical	1	1	3	1	1	1	1	1	2	2	2	8	2
1934	Critical	2	1	0	-1	-1	-3	-3	0	0	1	1	19	1
1935	Below Norma	1	0	0	0	0	0	0	-3	-3	-2	1	0	0
1936	Below Norma	0	0	1	0	1	5	-5	-3	-3	9	3	11	1
1937	Below Norma	1	0	-3	-3	-2	0	2	-1	-3	26	13	14	4
1938	Wet	0	-39	-224	0	1	0	-1	-1	-1	0	-1	-113	-31
1939	Dry	0	0	0	2	3	-84	32	12	-7	243	56	54	26
1940	Above Norma	-27	-37	0	-6	-70	0	0	11	7	9	9	63	-3
1941	Wet	25	-5	-15	7	0	3	0	-1	0	-2	5	-1	1
1942	Wet	-1	0	0	0	0	2	-18	-11	0	24	4	-1	0
1943	Wet	-1	0	0	0	0	0	-1	0	0	0	0	0	0
1944	Dry	6	0	1	3	5	6	14	18	41	13	47	-19	11
1945	Below Norma	16	5	4	2	-4	1	2	6	35	43	5	20	11
1946	Below Norma	6	-15	-99	0	16	15	7	8	8	100	-14	-23	1
1947	Dry	28	-1	3	9	13	15	9	10	3	66	-3	-27	10
1948	Below Norma	17	4	4	-10	1	2	10	-47	-95	95	7	8	0
1949	Dry	-15	0	1	3	33	1	1	2	48	40	2	-21	8
1950	Below Norma	3	-11	4	17	-3	7	3	-9	5	16	47	-7	6
1951	Above Norma	0	-125	-72	0	-2	-3	-57	-12	-8	9	0	-7	-23
1952	Wet	42	-20	-30	0	0	-13	0	-1	0	2	-1	-1	-2
1953	Wet	-1	0	0	0	1	2	-30	-17	-1	34	12	-1	0
1954	Above Norma	-1	0	0	0	0	0	-1	8	2	8	8	3	2
1955	Dry	-11	-26	0	2	20	-28	19	26	33	83	76	21	18
1956	Wet	-3	-12	-8	14	0	0	0	0	0	0	-3	-1	-1
1957	Above Norma	-1	0	1	3	3	0	5	3	0	17	11	-1	3
1958	Wet	-25	0	0	0	0	0	0	-1	-1	-1	-1	-1	-2
1959	Below Norma	-1	0	1	0	0	6	9	10	31	18	-51	10	3
1960	Dry	18	69	110	8	10	1	4	14	-6	31	3	-7	21
1961	Dry	5	8	2	9	-54	-60	2	22	10	19	-176	34	-15
1962	Below Norma	34	65	15	6	-29	1	6	5	15	17	69	-33	14
1963	Wet	13	-20	-69	2	2	21	17	1	3	-8	1	-4	-4
1964	Dry	0	79	0	-8	-70	8	6	22	74	42	122	24	25
1965	Wet	15	3	-275	22	0	39	-29	12	95	28	-41	-75	-17
1966	Below Norma	-25	-48	44	28	0	0	-1	1	4	3	1	-13	0
1967	Wet	-8	-20	42	11	0	0	0	-1	-1	-1	-1	-1	2
1968	Below Norma	-1	0	0	1	3	0	5	10	15	39	-24	1	4
1969	Wet	11	-6	-26	-12	0	0	0	33	0	0	0	-4	0
1970	Wet	-1	0	1	0	0	0	10	20	28	168	-23	6	17
1971	Wet	21	-26	-46	0	5	10	0	1	1	0	0	-3	-3
1972	Below Norma	0	0	0	0	0	0	7	7	107	30	-53	11	9
1973	Above Norma	-69	-25	-58	-8	13	0	0	1	0	0	0	0	-12
1974	Wet	-6	0	0	0	0	0	0	-1	0	-2	1	-1	-1
1975	Wet	-1	0	0	2	2	0	1	0	0	0	3	-1	0
1976	Critical	0	0	0	-164	3	4	24	20	10	26	33	16	-2
1977	Critical	51	43	191	23	343	-4	-66	-8	-17	74	-21	-3	50
1978	Above Norma	-114	-4	1	-1	-99	-215	-1	-3	-1	-2	-1	-6	-37
1979	Below Norma	-1	0	2	2	33	-4	4	5	10	23	7	-29	4
1980	Above Norma	0	-21	6	-80	-16	0	-48	4	5	5	4	-75	-18
1981	Dry	-44	1	11	2	-4	-46	1	5	54	8	-39	4	-4
1982	Wet	12	-58	60	13	0	0	0	-1	0	0	-3	-1	2
1983	Wet	-1	0	0	0	0	0	0	-1	-1	-1	-1	-1	-1
1984	Wet	-1	0	0	0	0	0	5	3	7	5	4	-101	-7
1985	Dry	-55	-9	80	-81	4	47	12	16	13	22	10	-8	4
1986	Wet	34	25	13	13	12	32	-103	41	97	98	11	0	23
1987	Dry	-29	17	11	11	10	-5	14	16	16	7	35	26	11
1988	Critical	15	-2	1	10	16	2	-5	5	26	-6	7	6	6
1989	Dry	0	1	35	-2	12	-25	38	5	13	38	11	-12	9
1990	Critical	3	31	-2	-1	13	0	0	0	0	-2	0	0	4
1991	Critical	1	-1	1	5	3	0	0	0	0	0	7	0	1
1992	Critical	0	0	1	0	0	0	3	4	8	3	2	2	2
1993	Above Norma	1	5	0	9	0	0	-7	-233	-102	-2	14	-1	-26
1994	Critical	-1	0	1	-59	3	5	8	-25	14	45	63	49	9
1995	Wet	16	5	4	-77	0	0	-22	-1	-2	-3	-4	-1	-7
1996	Wet	-1	-21	22	0	0	0	-19	-10	-3	0	0	-3	-3
1997	Wet	-1	28	0	0	0	2	-61	10	19	27	11	9	4
1998	Wet	10	1	-6	17	0	6	-24	-12	1	1	-1	-1	-1
1999	Wet	-1	0	0	0	0	0	0	-1	0	0	-1	-1	-1
2000	Above Norma	-1	0	0	0	0	0	0	-2	2	20	-2	-1	1
2001	Dry	-20	9	3	8	7	3	7	38	-33	15	37	6	7
2002	Dry	28	7	-10	-175	27	19	20	17	51	54	64	-46	5
2003	Above Norma	21	66	-2	-235	-13	41	-22	3	1	19	7	19	-8
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Average		0	-1	-3	-10	1	-2	-1	1	11	22	6	-3	2
Wet		6	-6	-22	1	-3	4	-11	3	9	14	-1	-12	-1
Above Norma		-16	-12	-10	-29	-15	-12	-8	-16	1	15	7	1	-8
Below Norma		4	0	-1	4	2	3	3	-2	9	25	1	-7	3
Dry		-6	8	14	-9	1	-8	11	12	24	39	15	2	8
Critical		9	6	17	-30	26	1	1	2	8	15	10	7	6

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy generated (GWh) at Syst. Tot.: CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	0%	0%	4%	0%	0%	5%	5%	0%	7%
1923	Below Norma	0%	0%	3%	5%	5%	2%	0%	-4%	-1%	-9%	0%	-21%
1924	Critical	0%	-4%	-4%	-32%	-34%	-1%	13%	4%	3%	4%	5%	-8%
1925	Dry	19%	2%	3%	3%	0%	-3%	0%	1%	10%	1%	1%	-2%
1926	Dry	1%	1%	2%	1%	-1%	2%	-2%	3%	3%	2%	0%	6%
1927	Wet	6%	-1%	-1%	8%	-16%	0%	0%	1%	0%	0%	0%	-1%
1928	Above Norma	0%	-3%	0%	-15%	0%	4%	14%	5%	12%	10%	7%	-2%
1929	Critical	10%	4%	4%	-41%	9%	9%	2%	4%	6%	5%	3%	1%
1930	Dry	1%	1%	-5%	1%	3%	2%	0%	-1%	10%	0%	3%	-2%
1931	Critical	1%	2%	1%	6%	-5%	-2%	1%	2%	6%	0%	1%	2%
1932	Dry	-20%	-7%	0%	21%	1%	1%	7%	-5%	2%	1%	-1%	1%
1933	Critical	1%	0%	2%	1%	1%	1%	1%	1%	1%	0%	0%	4%
1934	Critical	1%	0%	0%	-1%	-1%	-2%	-1%	-1%	0%	0%	0%	8%
1935	Below Norma	0%	0%	0%	0%	0%	0%	0%	-1%	-1%	0%	0%	0%
1936	Below Norma	0%	0%	0%	0%	0%	2%	-2%	-1%	-1%	2%	1%	4%
1937	Below Norma	1%	0%	-2%	-2%	-1%	0%	1%	0%	-1%	4%	3%	5%
1938	Wet	0%	-17%	-34%	0%	0%	0%	0%	0%	0%	0%	0%	-18%
1939	Dry	0%	0%	0%	1%	2%	-31%	7%	2%	-1%	45%	9%	14%
1940	Above Norma	-7%	-13%	0%	-4%	-10%	0%	0%	2%	1%	1%	1%	17%
1941	Wet	8%	-2%	-5%	1%	0%	1%	0%	0%	0%	0%	1%	0%
1942	Wet	0%	0%	0%	0%	0%	1%	-5%	-2%	0%	3%	1%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1944	Dry	2%	0%	1%	2%	3%	3%	4%	4%	8%	2%	8%	-5%
1945	Below Norma	6%	2%	2%	1%	1%	1%	1%	1%	6%	1%	5%	5%
1946	Below Norma	2%	-6%	-14%	0%	6%	7%	2%	2%	1%	15%	-3%	-7%
1947	Dry	9%	-1%	2%	5%	8%	6%	3%	2%	1%	11%	0%	-8%
1948	Below Norma	10%	3%	3%	-7%	1%	1%	4%	-11%	-18%	17%	1%	3%
1949	Dry	-6%	0%	1%	2%	11%	1%	0%	1%	9%	6%	0%	-6%
1950	Below Norma	1%	-5%	2%	9%	-1%	3%	1%	-2%	1%	3%	9%	-2%
1951	Above Norma	0%	-31%	-11%	0%	0%	-1%	-13%	-3%	-1%	1%	0%	-2%
1952	Wet	16%	-9%	-5%	0%	0%	-2%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	1%	1%	-9%	-3%	0%	5%	2%	0%
1954	Above Norma	0%	0%	0%	0%	0%	0%	0%	1%	0%	1%	1%	1%
1955	Dry	-4%	-13%	0%	1%	10%	-14%	7%	7%	6%	14%	15%	8%
1956	Wet	-1%	-6%	-1%	2%	0%	0%	0%	0%	0%	0%	-1%	0%
1957	Above Norma	0%	0%	0%	2%	1%	0%	1%	1%	0%	2%	2%	0%
1958	Wet	-8%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	0%	0%	0%	2%	2%	2%	4%	2%	-8%	3%
1960	Dry	6%	27%	69%	5%	8%	1%	1%	4%	-1%	5%	1%	-2%
1961	Dry	3%	5%	1%	7%	-32%	-26%	0%	5%	2%	3%	-22%	12%
1962	Below Norma	14%	38%	9%	3%	-14%	0%	2%	1%	3%	2%	13%	-9%
1963	Wet	6%	-8%	-20%	1%	0%	5%	2%	0%	1%	-1%	0%	-3%
1964	Dry	0%	23%	0%	-3%	-27%	4%	1%	5%	15%	6%	22%	7%
1965	Wet	6%	2%	-43%	3%	0%	18%	-7%	2%	16%	4%	0%	-21%
1966	Below Norma	-10%	-14%	22%	11%	0%	0%	0%	0%	1%	0%	0%	-3%
1967	Wet	-2%	-11%	14%	2%	0%	0%	0%	0%	0%	0%	0%	0%
1968	Below Norma	0%	0%	0%	1%	1%	0%	1%	2%	2%	5%	-4%	0%
1969	Wet	5%	-3%	-13%	-2%	0%	0%	0%	4%	0%	0%	0%	-1%
1970	Wet	0%	0%	0%	0%	0%	0%	2%	4%	4%	26%	-4%	2%
1971	Wet	7%	-13%	-11%	0%	1%	2%	0%	0%	0%	0%	0%	-1%
1972	Below Norma	0%	0%	0%	0%	0%	0%	2%	1%	19%	4%	-8%	3%
1973	Above Norma	-23%	-12%	-22%	-1%	2%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	-3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	1%	1%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	-50%	2%	2%	9%	5%	2%	4%	8%	6%
1977	Critical	19%	22%	105%	15%	253%	-2%	-17%	-3%	-4%	15%	-4%	-2%
1978	Above Norma	-33%	-4%	1%	-1%	-32%	-39%	0%	-1%	0%	0%	0%	-3%
1979	Below Norma	0%	0%	1%	1%	20%	-2%	1%	1%	2%	3%	2%	-8%
1980	Above Norma	0%	-10%	3%	-12%	-2%	0%	-15%	1%	1%	1%	1%	-19%
1981	Dry	-15%	0%	5%	1%	-2%	-19%	0%	1%	8%	1%	-6%	1%
1982	Wet	6%	-20%	8%	3%	0%	0%	0%	0%	0%	0%	-1%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	1%	1%	1%	1%	1%	-29%
1985	Dry	-22%	-2%	34%	-29%	2%	29%	4%	3%	2%	3%	2%	-2%
1986	Wet	12%	15%	8%	8%	2%	4%	-27%	9%	16%	14%	2%	0%
1987	Dry	-12%	8%	6%	7%	8%	-3%	4%	3%	2%	1%	6%	8%
1988	Critical	6%	-1%	1%	8%	9%	1%	-2%	1%	5%	-1%	2%	2%
1989	Dry	0%	1%	29%	-2%	11%	-9%	15%	1%	2%	6%	2%	-5%
1990	Critical	2%	14%	-1%	-1%	11%	0%	0%	0%	0%	0%	0%	0%
1991	Critical	1%	-1%	0%	5%	3%	0%	0%	0%	0%	0%	2%	0%
1992	Critical	0%	0%	0%	0%	0%	0%	1%	1%	2%	1%	1%	1%
1993	Above Norma	0%	4%	0%	6%	0%	0%	-3%	-37%	-19%	0%	3%	0%
1994	Critical	0%	0%	0%	-27%	2%	2%	2%	-7%	2%	7%	11%	14%
1995	Wet	8%	4%	4%	-15%	0%	0%	-5%	0%	0%	0%	-1%	0%
1996	Wet	0%	-8%	6%	0%	0%	0%	-6%	-1%	0%	0%	0%	-1%
1997	Wet	0%	8%	0%	0%	0%	1%	-13%	2%	3%	4%	2%	3%
1998	Wet	3%	0%	-3%	2%	0%	1%	-6%	-1%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%
2000	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	3%	0%	0%
2001	Dry	-6%	3%	1%	-4%	4%	2%	3%	7%	-5%	2%	7%	2%
2002	Dry	9%	4%	-6%	-55%	8%	7%	6%	3%	9%	8%	13%	-13%
2003	Above Norma	7%	30%	-1%	-48%	-5%	27%	-6%	0%	0%	2%	2%	5%
Average		1%	0%	2%	-2%	3%	0%	0%	0%	2%	3%	1%	-1%
Wet		3%	-3%	-4%	1%	0%	1%	-3%	1%	2%	2%	0%	-3%
Above Norma		-5%	-3%	-2%	-6%	-4%	0%	-2%	-3%	0%	2%	1%	0%
Below Norma		2%	1%	2%	2%	1%	1%	-1%	1%	4%	1%	4%	-2%
Dry		-2%	3%	8%	-1%	1%	-3%	3%	3%	5%	6%	3%	1%
Critical		3%	3%	9%	-10%	21%	1%	1%	1%	2%	3%	2%	2%

Difference in Energy generated (GWh) at Tot. Loss: CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	1	1	0	1	0
1923	Below Norma	0	0	0	0	0	0	0	-1	0	-3	0	-3	0
1924	Critical	0	0	0	-3	-2	0	2	0	1	1	1	-1	0
1925	Dry	1	0	0	0	0	0	0	0	2	0	0	0	0
1926	Dry	0	0	0	0	0	0	0	1	1	0	0	1	0
1927	Wet	0	0	0	1	-5	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	-1	0	1	2	1	3	3	2	0	1
1929	Critical	1	0	0	-5	0	1	0	1	2	2	1	0	0
1930	Dry	0	0	0	0	0	0	0	0	2	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	1	0	0	0	0
1932	Dry	-2	0	0	2	0	0	1	-1	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	1	0
1935	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	1	0
1937	Below Norma	0	0	0	0	0	0	0	0	0	1	1	1	0
1938	Wet	0	-2	-10	0	0	0	0	0	0	0	0	-5	-1
1939	Dry	0	0	0	0	0	-4	1	0	-1	11	3	2	1
1940	Above Norma	-1	-2	0	0	-3	0	0	1	0	1	0	3	0
1941	Wet	1	0	-1	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	-1	0	0	1	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	1	2	1	2	-1	1
1945	Below Norma	1	0	0	0	0	0	0	0	2	2	0	1	0
1946	Below Norma	0	-1	-4	0	1	1	0	0	0	5	-1	-1	0
1947	Dry	1	0	0	0	1	1	0	0	0	3	0	-1	0
1948	Below Norma	1	0	0	0	0	0	0	-2	-4	4	1	0	0
1949	Dry	-1	0	0	0	1	0	0	0	2	2	0	-1	0
1950	Below Norma	0	0	0	1	0	0	0	0	0	1	2	0	0
1951	Above Norma	0	-6	-3	0	0	0	-3	0	0	0	0	0	-1
1952	Wet	2	-1	-1	0	0	-1	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	-1	-1	0	2	1	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	-1	-1	0	0	1	-1	1	1	2	4	4	1	1
1956	Wet	0	-1	0	1	0	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	1	0	0
1958	Wet	-1	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	1	1	-2	0	0
1960	Dry	1	3	5	0	0	0	0	0	-1	1	-1	0	1
1961	Dry	0	0	0	0	-2	-3	0	1	0	1	-8	2	-1
1962	Below Norma	2	3	1	0	-1	0	0	0	0	0	3	-1	1
1963	Wet	1	-1	-3	0	0	1	1	0	0	0	0	0	0
1964	Dry	0	4	0	0	-3	0	0	1	3	2	6	1	1
1965	Wet	1	0	-12	1	0	2	-1	0	4	1	-2	-3	-1
1966	Below Norma	-1	-2	2	1	0	0	0	0	0	0	0	-1	0
1967	Wet	0	-1	2	0	0	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	1	2	-1	0	0
1969	Wet	0	0	-1	-1	0	0	0	2	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	1	1	7	-1	0	1
1971	Wet	1	-1	-2	0	0	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	0	0	5	1	-2	0	0
1973	Above Norma	-3	-1	-3	0	1	0	0	0	0	0	0	0	-1
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	-7	0	0	1	1	1	1	1	1	0
1977	Critical	2	2	9	1	15	0	-3	0	-1	3	-2	0	2
1978	Above Norma	-5	0	0	0	-4	-10	0	0	0	0	0	0	-2
1979	Below Norma	0	0	0	0	1	0	0	0	0	1	0	-1	0
1980	Above Norma	0	-1	0	-4	-1	0	-2	0	0	0	0	-3	-1
1981	Dry	-2	0	0	0	0	-2	0	0	2	0	-2	0	0
1982	Wet	1	-3	3	1	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	-5	0
1985	Dry	-2	0	4	-4	0	2	1	1	0	1	0	0	0
1986	Wet	2	1	1	1	1	1	-5	2	4	5	0	0	1
1987	Dry	-1	1	1	1	0	0	1	1	1	0	2	1	0
1988	Critical	1	0	0	0	1	0	0	0	1	0	0	0	0
1989	Dry	0	0	2	0	1	-1	2	0	0	1	0	-1	0
1990	Critical	0	1	0	0	1	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	Above Norma	0	0	0	0	0	0	0	-10	-5	0	1	0	-1
1994	Critical	0	0	0	-3	0	0	0	-1	1	2	3	2	0
1995	Wet	1	0	0	-3	0	0	-1	0	0	0	0	0	0
1996	Wet	0	-1	1	0	0	0	-1	0	0	0	0	0	0
1997	Wet	0	1	0	0	0	0	-3	1	1	1	1	0	0
1998	Wet	0	0	0	1	0	0	-1	-1	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	-1	0	0	0	0	0	1	-1	1	2	0	0	0
2002	Dry	1	0	0	-8	1	1	1	1	2	2	3	-2	0
2003	Above Norma	1	3	0	-11	-1	2	-1	0	-1	1	0	1	0
Average		0	0	0	0	0	0	0	0	0	1	0	0	0
Wet		0	0	-1	0	0	0	0	0	0	1	0	-1	0
Above Norma		-1	-1	0	-1	-1	-1	0	-1	0	1	0	0	0
Below Norma		0	0	0	0	0	0	0	0	0	1	0	0	0
Dry		0	0	1	0	0	0	0	0	1	2	1	0	0
Critical		0	0	1	-1	1	0	0	0	0	1	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy generated (GWh) at Tot. Loss: CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	0%	0%	4%	0%	0%	5%	6%	0%	7%
1923	Below Norma	0%	0%	3%	5%	5%	2%	0%	-4%	0%	-9%	-1%	-22%
1924	Critical	0%	-4%	-4%	-34%	-31%	-2%	14%	3%	4%	5%	4%	-7%
1925	Dry	21%	2%	3%	3%	0%	-3%	0%	1%	12%	2%	2%	-2%
1926	Dry	2%	1%	2%	1%	-1%	2%	-3%	5%	4%	1%	0%	11%
1927	Wet	7%	-1%	-1%	9%	-16%	0%	0%	0%	0%	0%	1%	-1%
1928	Above Norma	0%	-3%	0%	-16%	0%	4%	17%	5%	13%	12%	7%	-2%
1929	Critical	10%	4%	5%	-43%	9%	9%	2%	7%	10%	7%	3%	1%
1930	Dry	1%	1%	-5%	1%	3%	2%	0%	-1%	12%	2%	1%	-2%
1931	Critical	1%	2%	2%	7%	-4%	-2%	1%	1%	5%	0%	0%	2%
1932	Dry	-21%	-8%	0%	21%	1%	1%	9%	-7%	2%	1%	-1%	1%
1933	Critical	1%	1%	2%	1%	1%	1%	1%	1%	1%	0%	0%	5%
1934	Critical	1%	1%	0%	-1%	-1%	-2%	-1%	-1%	0%	0%	0%	11%
1935	Below Norma	1%	0%	0%	0%	0%	0%	0%	-1%	0%	0%	0%	0%
1936	Below Norma	0%	0%	0%	0%	0%	2%	-2%	0%	0%	1%	2%	4%
1937	Below Norma	1%	0%	-2%	-2%	-1%	0%	1%	0%	0%	5%	3%	5%
1938	Wet	0%	-18%	-35%	0%	0%	0%	0%	0%	0%	0%	0%	-20%
1939	Dry	0%	0%	0%	1%	3%	-32%	8%	3%	-2%	51%	11%	15%
1940	Above Norma	-7%	-14%	0%	-4%	-10%	0%	0%	3%	2%	2%	2%	19%
1941	Wet	9%	-2%	-6%	1%	0%	1%	0%	0%	0%	0%	0%	0%
1942	Wet	0%	0%	0%	0%	0%	1%	-6%	-2%	0%	4%	1%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1944	Dry	2%	0%	1%	2%	3%	3%	3%	4%	10%	4%	10%	-6%
1945	Below Norma	7%	3%	3%	1%	-1%	1%	1%	1%	7%	1%	1%	6%
1946	Below Norma	3%	-6%	-14%	0%	7%	7%	2%	2%	1%	18%	-3%	-7%
1947	Dry	10%	-1%	2%	6%	8%	7%	3%	2%	0%	13%	0%	-8%
1948	Below Norma	11%	3%	3%	-8%	1%	1%	5%	-14%	-21%	19%	3%	3%
1949	Dry	-6%	0%	1%	2%	11%	1%	1%	1%	10%	6%	1%	-7%
1950	Below Norma	1%	-5%	2%	9%	-1%	3%	1%	0%	1%	3%	10%	-2%
1951	Above Norma	0%	-32%	-12%	0%	0%	-1%	-15%	0%	-1%	1%	-1%	-2%
1952	Wet	17%	-10%	-6%	0%	0%	-2%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	1%	1%	-12%	-3%	0%	6%	2%	0%
1954	Above Norma	0%	0%	0%	0%	0%	0%	0%	1%	0%	1%	1%	1%
1955	Dry	-4%	-14%	0%	1%	10%	-15%	7%	6%	8%	16%	22%	8%
1956	Wet	-1%	-6%	-1%	2%	0%	0%	0%	0%	0%	0%	-1%	0%
1957	Above Norma	0%	0%	0%	2%	1%	0%	1%	1%	0%	1%	2%	0%
1958	Wet	-8%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	0%	0%	0%	2%	3%	3%	5%	3%	-8%	3%
1960	Dry	7%	29%	74%	6%	8%	1%	1%	2%	-5%	5%	-2%	-2%
1961	Dry	3%	5%	1%	7%	-34%	-33%	1%	6%	2%	3%	-23%	13%
1962	Below Norma	18%	40%	10%	3%	-14%	0%	2%	2%	2%	1%	14%	-10%
1963	Wet	6%	-9%	-21%	1%	0%	6%	2%	0%	0%	-1%	0%	-3%
1964	Dry	0%	24%	0%	-3%	-28%	4%	1%	5%	13%	9%	27%	8%
1965	Wet	7%	2%	-44%	3%	0%	20%	-9%	2%	19%	4%	8%	-23%
1966	Below Norma	-11%	-15%	23%	11%	0%	0%	0%	0%	1%	0%	0%	-3%
1967	Wet	-2%	-12%	14%	2%	0%	0%	0%	0%	0%	0%	0%	0%
1968	Below Norma	0%	0%	0%	1%	1%	0%	2%	3%	2%	6%	-5%	0%
1969	Wet	5%	-3%	-14%	-2%	0%	0%	0%	5%	0%	0%	0%	-1%
1970	Wet	0%	0%	0%	0%	0%	0%	3%	4%	5%	27%	-3%	2%
1971	Wet	8%	-13%	-11%	0%	1%	2%	0%	0%	0%	0%	0%	-1%
1972	Below Norma	0%	0%	0%	0%	0%	0%	2%	2%	23%	5%	-9%	3%
1973	Above Norma	-24%	-13%	-23%	-1%	2%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	-3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	1%	1%	0%	0%	0%	0%	0%	1%	0%
1976	Critical	0%	0%	0%	-52%	2%	2%	11%	6%	2%	5%	8%	8%
1977	Critical	20%	23%	111%	16%	276%	-4%	-19%	-4%	-4%	14%	-8%	-2%
1978	Above Norma	-36%	-5%	1%	-1%	-33%	-39%	0%	-1%	0%	0%	0%	-3%
1979	Below Norma	0%	0%	1%	1%	21%	-2%	2%	1%	1%	4%	2%	-9%
1980	Above Norma	0%	-10%	3%	-12%	-2%	0%	-18%	1%	1%	1%	1%	-21%
1981	Dry	-18%	0%	6%	1%	-2%	-20%	0%	1%	10%	1%	-7%	1%
1982	Wet	6%	-20%	8%	3%	0%	0%	0%	0%	0%	0%	-1%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	2%	1%	1%	1%	1%	-32%
1985	Dry	-23%	-2%	36%	-30%	2%	33%	5%	3%	1%	3%	2%	-2%
1986	Wet	13%	16%	9%	8%	2%	4%	-31%	9%	16%	21%	1%	0%
1987	Dry	-13%	8%	6%	8%	9%	-4%	5%	4%	3%	-1%	10%	8%
1988	Critical	6%	-1%	1%	8%	8%	1%	-3%	1%	5%	-1%	2%	3%
1989	Dry	0%	1%	32%	-2%	14%	-10%	19%	1%	1%	6%	2%	-5%
1990	Critical	2%	15%	-1%	-1%	11%	0%	0%	0%	0%	-1%	0%	0%
1991	Critical	1%	-1%	0%	5%	3%	0%	0%	0%	0%	0%	1%	0%
1992	Critical	0%	0%	1%	1%	0%	0%	1%	1%	2%	1%	1%	1%
1993	Above Norma	1%	4%	0%	6%	0%	0%	-3%	-42%	-21%	0%	4%	0%
1994	Critical	0%	0%	0%	-27%	2%	3%	3%	-7%	3%	7%	12%	15%
1995	Wet	9%	4%	4%	-15%	0%	0%	-5%	0%	0%	0%	0%	0%
1996	Wet	0%	-9%	7%	0%	0%	0%	-7%	-2%	0%	0%	0%	-1%
1997	Wet	0%	9%	0%	0%	0%	1%	-15%	3%	4%	4%	3%	3%
1998	Wet	4%	0%	-3%	2%	0%	1%	-7%	-2%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%
2000	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%
2001	Dry	-6%	3%	1%	5%	5%	2%	1%	8%	-5%	3%	9%	4%
2002	Dry	9%	4%	-6%	-56%	9%	7%	8%	4%	10%	8%	15%	-14%
2003	Above Norma	7%	31%	-1%	-49%	-5%	30%	-7%	0%	-3%	3%	2%	5%
Average		1%	0%	2%	-2%	3%	0%	0%	0%	2%	4%	1%	-1%
Wet		3%	-3%	-4%	1%	0%	1%	-3%	1%	2%	2%	0%	-3%
Above Norma		-5%	-3%	-3%	-6%	-4%	0%	-2%	-3%	0%	2%	1%	0%
Below Norma		2%	1%	2%	2%	1%	1%	0%	2%	5%	1%	-2%	0%
Dry		-2%	3%	8%	-1%	1%	-3%	4%	3%	5%	7%	4%	1%
Critical		4%	3%	10%	-10%	23%	1%	1%	1%	2%	3%	2%	3%

Difference in Energy generated (GWh) at Trinity Dam : CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	3	0	0	11	11	-1	9	3
1923	Below Norma	-1	0	2	3	2	1	-1	-2	4	-8	-2	-15	-1
1924	Critical	0	0	0	-22	-12	-1	9	0	0	0	0	-10	-3
1925	Dry	0	0	0	4	0	0	0	2	14	0	0	0	2
1926	Dry	0	0	0	0	0	0	0	0	1	0	-2	0	0
1927	Wet	0	0	0	2	0	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	0	-2	0	0	0	17	11	-1	-1	2
1929	Critical	0	0	0	-35	3	3	0	3	2	1	0	0	-2
1930	Dry	0	0	-2	0	0	0	0	1	14	0	0	0	1
1931	Critical	0	0	0	0	-1	-1	0	0	0	0	0	0	0
1932	Dry	-8	-2	0	8	0	0	5	-4	1	0	-1	0	0
1933	Critical	0	0	1	0	0	0	0	1	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	3	0
1935	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	2	-2	0	0	4	4	0	1
1937	Below Norma	0	0	-2	-2	0	0	-2	0	0	9	4	3	1
1938	Wet	0	0	0	0	0	0	0	-1	-1	0	-1	-28	-3
1939	Dry	0	0	0	0	0	-33	2	-6	-33	73	0	8	1
1940	Above Norma	-12	-11	0	0	0	0	0	1	1	1	1	20	0
1941	Wet	0	-5	0	0	0	3	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	-8	0	0	8	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	2	0	0	0	0	0	0	0	0	-27	3	1	-2
1945	Below Norma	5	0	0	0	-2	0	0	1	12	11	0	0	2
1946	Below Norma	0	0	0	0	0	0	0	0	0	11	-1	-10	0
1947	Dry	0	-5	0	2	3	3	0	0	5	9	-9	-9	0
1948	Below Norma	0	0	0	0	0	0	0	0	1	30	-1	0	2
1949	Dry	-2	0	0	0	0	-5	0	-2	12	9	-2	-12	0
1950	Below Norma	-1	-5	0	0	-3	1	0	-2	-1	-1	8	-2	-1
1951	Above Norma	-15	0	0	0	-2	-1	-24	0	0	0	0	0	-4
1952	Wet	10	-10	0	0	0	-3	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	-12	0	0	13	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	-8	-10	0	0	0	0	0	1	0	1	11	0	0
1956	Wet	0	-5	0	14	0	0	0	0	0	0	0	0	1
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	-17	3	-1
1960	Dry	0	-9	3	2	3	0	0	1	1	11	10	0	2
1961	Dry	0	0	-2	2	0	0	0	0	0	0	-26	1	-2
1962	Below Norma	1	7	3	3	0	0	0	1	1	0	0	0	1
1963	Wet	-4	0	0	0	0	0	0	0	1	1	0	-3	0
1964	Dry	0	19	0	-3	-27	2	-5	1	1	-11	19	1	0
1965	Wet	5	0	0	22	0	0	0	0	29	-1	-18	-28	1
1966	Below Norma	0	1	15	3	0	0	0	0	0	0	-13	1	1
1967	Wet	0	-11	23	0	0	0	0	0	0	0	0	0	1
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	-5	-5	0	0	0	0	0	0	0	0	0	-1
1970	Wet	0	0	0	0	0	0	0	0	0	44	-18	-1	2
1971	Wet	-1	-10	0	0	-8	-9	0	0	0	0	0	0	-2
1972	Below Norma	0	0	0	0	0	0	0	0	33	-1	-18	-1	1
1973	Above Norma	-15	-10	0	0	14	0	0	0	0	0	0	0	-1
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	-61	0	0	1	3	-6	4	8	2	-4
1977	Critical	6	1	36	5	35	0	-15	-1	0	25	-8	-1	7
1978	Above Norma	-16	0	0	0	0	0	0	-2	-2	-1	-1	0	-2
1979	Below Norma	0	0	0	0	-2	-2	0	-3	0	-1	-1	-11	-2
1980	Above Norma	0	0	2	0	-16	0	-19	0	1	1	1	-27	-5
1981	Dry	-15	0	4	0	-2	0	1	2	18	-10	-24	23	0
1982	Wet	1	0	59	3	0	0	0	0	0	0	0	0	5
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	-38	-3
1985	Dry	0	1	20	-30	0	0	1	1	-22	4	5	-2	-2
1986	Wet	13	7	3	3	0	32	-40	2	17	19	1	-2	5
1987	Dry	-15	0	3	3	3	-2	1	2	4	2	2	-3	0
1988	Critical	9	0	0	3	5	0	-2	1	6	-4	1	2	2
1989	Dry	0	0	3	0	0	0	0	1	6	10	0	0	2
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	2	1	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	Above Norma	0	0	0	0	0	0	2	0	0	0	4	0	0
1994	Critical	0	0	0	-22	0	0	0	-11	-15	14	13	16	0
1995	Wet	0	0	0	0	0	0	-6	0	0	0	0	0	-1
1996	Wet	0	-8	8	0	0	0	-8	0	0	0	0	0	-1
1997	Wet	0	7	0	0	0	0	-27	1	1	1	1	1	-1
1998	Wet	1	-2	-5	0	0	6	-9	0	0	0	0	0	-1
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	-1	0	0	0	0	0	0	0	-27	-9	2	1	-3
2002	Dry	6	0	-5	0	0	0	0	2	12	1	1	1	2
2003	Above Norma	-1	-1	-2	0	0	0	0	1	1	8	5	1	1
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Average		-1	-1	2	-1	0	0	-2	0	1	3	-1	-1	0
Wet		1	-2	3	2	0	1	-4	0	2	3	-1	-4	0
Above Norma		-5	-2	0	0	-1	0	-3	0	2	2	1	0	0
Below Norma		0	0	1	0	0	0	0	0	3	4	-3	-2	0
Dry		-2	0	1	-1	-1	-2	0	0	0	4	-1	1	0
Critical		1	0	3	-11	2	0	-1	0	-1	3	1	1	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy generated (GWh) at Trinity Dam : CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	0%	0%	41%	0%	0%	33%	24%	-2%	18%
1923	Below Norma	-3%	-3%	23%	35%	35%	9%	-4%	-3%	12%	-13%	-4%	-37%
1924	Critical	-3%	-3%	-3%	-66%	-56%	-17%	53%	1%	1%	1%	2%	-52%
1925	Dry	7%	7%	6%	11%	5%	3%	3%	2%	30%	1%	1%	1%
1926	Dry	1%	1%	1%	1%	1%	1%	1%	1%	5%	1%	-6%	1%
1927	Wet	1%	1%	1%	48%	1%	0%	0%	0%	0%	0%	0%	0%
1928	Above Norma	0%	0%	0%	0%	-30%	1%	0%	0%	26%	18%	-1%	-2%
1929	Critical	-2%	-2%	-2%	-77%	42%	43%	1%	8%	6%	1%	1%	1%
1930	Dry	2%	2%	-19%	2%	2%	2%	1%	1%	75%	0%	0%	0%
1931	Critical	0%	0%	0%	0%	-26%	-14%	0%	0%	0%	0%	0%	0%
1932	Dry	-63%	-37%	6%	54%	2%	2%	43%	-9%	10%	1%	-6%	2%
1933	Critical	3%	2%	17%	2%	2%	2%	1%	1%	1%	1%	1%	2%
1934	Critical	2%	2%	2%	2%	4%	1%	1%	2%	1%	1%	1%	12%
1935	Below Norma	2%	0%	0%	-1%	0%	0%	0%	0%	0%	0%	0%	0%
1936	Below Norma	0%	0%	0%	0%	0%	43%	-14%	0%	0%	12%	16%	-2%
1937	Below Norma	-2%	-2%	-27%	-26%	-1%	-1%	-20%	-1%	0%	22%	15%	17%
1938	Wet	-4%	-3%	-3%	-2%	-2%	-2%	-2%	-1%	-1%	-1%	-1%	-42%
1939	Dry	0%	0%	0%	0%	0%	-84%	10%	-11%	-42%	683%	0%	15%
1940	Above Norma	-18%	-33%	3%	2%	2%	1%	1%	1%	1%	1%	1%	53%
1941	Wet	0%	-32%	0%	0%	0%	5%	0%	0%	0%	0%	0%	0%
1942	Wet	0%	0%	0%	0%	0%	0%	-52%	0%	0%	12%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1944	Dry	10%	0%	0%	0%	0%	0%	0%	0%	0%	-34%	6%	2%
1945	Below Norma	25%	2%	2%	2%	-33%	2%	1%	1%	26%	20%	0%	0%
1946	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	19%	-1%	-21%
1947	Dry	0%	-32%	0%	22%	41%	44%	-1%	-1%	16%	21%	-15%	-26%
1948	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	2%	125%	-3%	-3%
1949	Dry	-22%	-3%	-3%	-3%	-3%	-59%	-2%	-2%	24%	16%	-4%	-24%
1950	Below Norma	-4%	-34%	-3%	-3%	-32%	12%	-3%	-2%	-3%	-3%	19%	-4%
1951	Above Norma	-73%	-3%	-2%	-2%	-39%	-16%	-59%	0%	0%	0%	0%	0%
1952	Wet	44%	-65%	0%	0%	0%	-18%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	-48%	0%	1%	23%	0%	0%
1954	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1955	Dry	-35%	-65%	1%	1%	1%	1%	1%	1%	1%	1%	22%	1%
1956	Wet	1%	-31%	1%	63%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1958	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-21%	5%
1960	Dry	-2%	-38%	25%	19%	51%	2%	2%	1%	2%	18%	23%	0%
1961	Dry	0%	0%	-30%	36%	0%	0%	0%	0%	0%	0%	-34%	3%
1962	Below Norma	3%	111%	46%	43%	1%	1%	1%	1%	1%	1%	1%	1%
1963	Wet	-46%	2%	1%	1%	1%	1%	1%	0%	1%	1%	1%	-10%
1964	Dry	1%	350%	0%	-16%	-78%	18%	-24%	2%	2%	-13%	31%	3%
1965	Wet	26%	2%	-	70%	0%	0%	0%	0%	47%	-2%	-24%	-71%
1966	Below Norma	1%	16%	268%	22%	0%	0%	0%	0%	0%	0%	-14%	1%
1967	Wet	1%	-72%	280%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1968	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1969	Wet	0%	-33%	-52%	1%	1%	1%	1%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	170%	-22%	-2%
1971	Wet	-2%	-74%	-1%	-1%	-58%	-22%	0%	0%	0%	0%	0%	0%
1972	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	65%	-2%	-25%	-1%
1973	Above Norma	-45%	-67%	1%	1%	321%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	-88%	4%	4%	4%	4%	-12%	5%	15%	6%
1977	Critical	29%	6%	286%	36%	524%	-4%	-46%	-2%	-2%	81%	-15%	-8%
1978	Above Norma	-47%	-17%	-12%	-	-4%	-3%	-3%	-2%	-2%	-2%	-3%	-3%
1979	Below Norma	-3%	-3%	-3%	-3%	-31%	-38%	-2%	-5%	-2%	-2%	-2%	-22%
1980	Above Norma	-1%	-1%	40%	-1%	-67%	0%	-68%	0%	1%	1%	1%	-52%
1981	Dry	-65%	5%	48%	4%	-26%	4%	4%	3%	54%	-12%	-31%	61%
1982	Wet	6%	5%	1836%	18%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-74%
1985	Dry	3%	21%	301%	-77%	3%	3%	3%	2%	-33%	5%	6%	-5%
1986	Wet	57%	101%	46%	47%	4%	1264%	-71%	2%	22%	27%	2%	-5%
1987	Dry	-66%	4%	41%	43%	44%	-26%	2%	2%	9%	3%	3%	-8%
1988	Critical	48%	-3%	3%	42%	87%	2%	-12%	2%	14%	-7%	3%	8%
1989	Dry	3%	3%	51%	2%	2%	2%	1%	1%	10%	18%	0%	0%
1990	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	0%	33%	19%	-1%	0%	0%	0%	0%	0%	-1%
1992	Critical	-1%	-1%	-1%	-1%	-1%	0%	0%	0%	0%	0%	0%	1%
1993	Above Norma	-1%	-1%	-1%	-1%	-1%	0%	48%	0%	0%	0%	14%	-1%
1994	Critical	-1%	-1%	-1%	-72%	1%	1%	1%	-22%	-24%	24%	23%	35%
1995	Wet	-1%	-1%	-1%	-1%	0%	-	-28%	0%	0%	0%	0%	0%
1996	Wet	0%	-55%	24%	0%	0%	0%	-34%	0%	0%	0%	0%	0%
1997	Wet	0%	44%	0%	0%	0%	0%	-57%	1%	2%	2%	2%	2%
1998	Wet	3%	-24%	-44%	3%	-	7%	-30%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2001	Dry	-3%	0%	0%	0%	0%	0%	0%	0%	-37%	-11%	3%	3%
2002	Dry	26%	3%	-45%	3%	3%	3%	2%	2%	20%	2%	2%	2%
2003	Above Norma	-5%	-6%	-31%	3%	2%	2%	2%	1%	2%	13%	11%	1%
Average		-3%	-1%	38%	3%	9%	15%	-5%	0%	4%	15%	0%	-3%
Wet		3%	-9%	80%	9%	-2%	48%	-12%	0%	3%	9%	0%	-8%
Above Norma		-16%	-11%	0%	0%	15%	2%	-7%	0%	5%	5%	2%	1%
Below Norma		1%	6%	22%	5%	-4%	2%	-3%	-1%	7%	13%	-1%	-5%
Dry		-11%	12%	21%	6%	3%	-5%	3%	0%	8%	39%	0%	2%
Critical		6%	0%	25%	-16%	50%	1%	0%	-1%	-1%	9%	2%	0%

Difference in Energy Use (GWh) At Pumping Plant at Alt. Misc.: CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norm	0	0	0	0	0	0	0	0	1	-5	-3	1	0
1924	Critical	1	1	0	1	1	0	0	0	0	1	0	7	1
1925	Dry	4	0	0	-2	-16	-2	0	0	0	1	0	0	-1
1926	Dry	0	0	0	0	0	0	1	5	0	0	0	3	1
1927	Wet	1	0	0	0	-1	-1	0	-3	0	0	1	0	0
1928	Above Norm	0	0	0	0	0	0	0	0	-2	3	0	-1	0
1929	Critical	-1	0	-1	-1	-1	0	0	5	5	7	0	0	1
1930	Dry	0	0	0	-1	2	4	0	0	0	7	-5	-1	0
1931	Critical	0	0	0	0	6	0	0	0	0	0	0	0	0
1932	Dry	0	1	0	-5	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	1	0	0	0	0	0	0	0	0	2	0
1934	Critical	0	0	0	-1	0	0	0	0	0	0	0	1	0
1935	Below Norm	0	0	0	0	0	-4	0	0	0	0	-1	0	0
1936	Below Norm	0	0	0	0	0	0	0	0	0	-2	2	0	0
1937	Below Norm	0	0	0	-2	0	0	0	-1	0	0	0	0	0
1938	Wet	1	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	-1	5	-2	9	9	2	2
1940	Above Norm	1	-1	0	-2	-2	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	0	-1	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	-2	-1	0	2	10	6	0	1
1945	Below Norm	-1	0	-1	-2	3	0	0	-1	0	0	0	0	0
1946	Below Norm	0	0	0	0	0	2	0	0	0	8	-2	0	1
1947	Dry	0	1	0	0	0	-4	0	0	-3	6	3	0	0
1948	Below Norm	0	0	0	-2	-1	-1	0	0	0	1	5	0	0
1949	Dry	0	0	0	0	0	1	0	0	0	-1	0	0	0
1950	Below Norm	-1	0	0	0	0	0	-1	10	-1	0	-1	0	1
1951	Above Norm	6	0	0	0	0	0	0	9	2	-3	-1	0	1
1952	Wet	0	0	0	0	0	-2	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	-6	0	0	2	6	16	4	2
1956	Wet	-3	-1	-1	-2	0	0	0	0	0	0	0	0	0
1957	Above Norm	0	0	0	0	0	0	0	0	0	-2	2	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	2	2	2	1	1	0	0	-5	-6	-6	-8	-1	-1
1961	Dry	0	0	1	0	-1	-2	0	0	-1	1	-1	4	0
1962	Below Norm	4	3	0	0	-1	0	0	4	-1	-6	1	0	0
1963	Wet	0	0	0	0	0	0	0	0	0	1	0	0	0
1964	Dry	0	0	0	0	0	-2	-1	-6	-6	11	15	-1	1
1965	Wet	-1	-1	-1	-2	4	1	0	0	-1	0	-1	0	0
1966	Below Norm	0	0	0	-1	1	5	0	0	0	0	0	0	0
1967	Wet	0	1	0	0	0	-2	0	0	0	0	0	0	0
1968	Below Norm	0	0	0	0	0	0	0	0	-1	0	0	-1	0
1969	Wet	1	0	0	0	0	-1	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	-1	-1	-1	-1	2	-1	0
1971	Wet	0	0	0	-1	2	0	0	0	0	0	0	0	0
1972	Below Norm	0	0	0	0	0	0	-1	-1	1	-1	-1	0	0
1973	Above Norm	0	0	0	0	0	-2	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	4	1	3	-1	1	1
1977	Critical	3	2	2	0	10	0	0	0	0	-14	-6	0	0
1978	Above Norm	-6	-1	1	0	0	-8	0	0	0	0	0	0	-1
1979	Below Norm	0	0	0	0	0	0	0	-1	-1	0	-1	-1	0
1980	Above Norm	0	-1	0	-1	6	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	1	0	0	0	0	-2	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	5	-1	-1	-4	-1	1	0	0
1986	Wet	0	0	0	0	-1	2	3	-6	-4	11	-3	-2	0
1987	Dry	-2	-1	-2	1	0	8	1	1	1	-5	8	4	1
1988	Critical	-3	0	0	0	0	0	0	0	1	1	0	0	0
1989	Dry	0	0	2	0	1	0	0	0	-2	-3	-2	0	0
1990	Critical	0	0	-1	0	1	0	0	0	0	-1	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	1	0	0	0	0	0
1993	Above Norm	0	1	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	1	0	0	0	0
1995	Wet	5	0	-1	0	0	-3	-3	0	0	0	0	0	0
1996	Wet	0	0	-1	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	-1	0	0	0	0	0	0	1	0
1998	Wet	1	0	0	0	-2	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	-1	0	0	0	0	0	1	0
2002	Dry	-1	0	-1	-2	3	0	0	0	0	0	0	0	0
2003	Above Norm	3	2	1	0	-5	9	0	0	0	0	1	0	1
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norm		0	0	0	0	0	0	0	1	0	0	0	0	0
Below Norm		0	0	0	0	0	0	0	1	0	0	0	0	0
Dry		0	0	0	0	-1	0	0	0	-1	2	2	1	0
Critical		0	0	0	0	1	0	0	1	1	0	-1	1	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at Alt. Misc.: CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norm	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%	0%
1923	Below Norm	2%	0%	1%	1%	0%	0%	3%	-1%	25%	-22%	-17%	5%
1924	Critical	5%	7%	-18%	36%	51%	0%	0%	-1%	0%	13%	-3%	280%
1925	Dry	68%	-18%	3%	-19%	-94%	-49%	0%	0%	12%	5%	16%	-1%
1926	Dry	-1%	-1%	-2%	-4%	-1%	-5%	4%	46%	0%	-5%	-25%	176%
1927	Wet	15%	1%	-3%	-4%	-10%	-45%	0%	-15%	0%	3%	3%	0%
1928	Above Norm	0%	0%	0%	0%	-1%	6%	-2%	-1%	-35%	61%	2%	-9%
1929	Critical	-5%	-7%	-22%	-36%	-18%	0%	-4%	35%	257%	67%	-2%	-5%
1930	Dry	-3%	-5%	-6%	-7%	14%	152%	1%	0%	-6%	180%	-78%	-15%
1931	Critical	-5%	4%	7%	1%	647%	-7%	-4%	-1%	-5%	-3%	8%	2%
1932	Dry	4%	17%	2%	-46%	-16%	0%	-1%	3%	-4%	-2%	-3%	-1%
1933	Critical	-1%	-1%	48%	0%	0%	0%	0%	0%	1%	0%	0%	24%
1934	Critical	3%	3%	0%	-25%	0%	0%	1%	0%	7%	1%	0%	60%
1935	Below Norm	4%	0%	3%	1%	2%	-39%	0%	0%	7%	4%	-10%	1%
1936	Below Norm	2%	2%	3%	4%	-21%	4%	-3%	1%	7%	-14%	18%	2%
1937	Below Norm	3%	3%	5%	-39%	0%	0%	-2%	-3%	17%	5%	4%	2%
1938	Wet	6%	2%	4%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	-1%	0%	-1%	-1%	0%	12%	-17%	24%	-46%	71%	91%	27%
1940	Above Norm	11%	-33%	0%	-35%	0%	2%	1%	0%	11%	7%	2%	3%
1941	Wet	3%	5%	11%	8%	-14%	0%	0%	0%	1%	0%	0%	0%
1942	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	1%	0%	0%	0%	0%	-3%	0%	0%	0%	0%
1944	Dry	0%	0%	0%	0%	-1%	-13%	-7%	1%	36%	100%	83%	-3%
1945	Below Norm	-8%	-6%	-18%	-24%	36%	0%	0%	-4%	-2%	0%	1%	0%
1946	Below Norm	0%	-1%	0%	0%	0%	27%	-4%	-1%	-9%	62%	-10%	-2%
1947	Dry	1%	8%	-2%	-3%	-3%	-64%	-3%	1%	-39%	41%	33%	-1%
1948	Below Norm	-4%	0%	-12%	-40%	-5%	-10%	-1%	0%	-2%	4%	29%	0%
1949	Dry	0%	-2%	-8%	-4%	-2%	19%	-3%	-2%	-9%	-4%	0%	-1%
1950	Below Norm	-5%	1%	1%	1%	0%	2%	-8%	63%	-7%	-2%	-3%	-2%
1951	Above Norm	86%	-1%	-3%	0%	0%	0%	0%	47%	84%	-20%	-3%	2%
1952	Wet	2%	4%	3%	2%	1%	-20%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	2%	-11%	0%	1%
1955	Dry	1%	1%	1%	1%	1%	-86%	9%	-1%	39%	39%	985%	62%
1956	Wet	-34%	-6%	-17%	-22%	3%	0%	0%	-1%	0%	0%	0%	0%
1957	Above Norm	0%	0%	0%	31%	0%	-4%	-1%	0%	-5%	-13%	8%	0%
1958	Wet	0%	0%	1%	0%	0%	3%	0%	0%	0%	0%	0%	0%
1959	Below Norm	0%	0%	0%	0%	0%	0%	1%	0%	1%	0%	-1%	2%
1960	Dry	49%	56%	211%	55%	20%	-2%	-4%	-23%	-70%	-42%	-68%	-9%
1961	Dry	-1%	-2%	16%	-6%	-5%	-64%	3%	2%	-13%	7%	-5%	62%
1962	Below Norm	357%	88%	-12%	-10%	-7%	-2%	-5%	24%	-16%	-28%	5%	0%
1963	Wet	1%	4%	-3%	-4%	4%	10%	0%	0%	-2%	12%	0%	0%
1964	Dry	0%	1%	0%	-1%	-1%	-33%	-11%	-23%	-81%	88%	151%	-8%
1965	Wet	-9%	-8%	-21%	-25%	49%	79%	-3%	0%	-21%	1%	-2%	-4%
1966	Below Norm	-4%	-3%	-11%	-15%	14%	355%	0%	0%	0%	1%	0%	0%
1967	Wet	0%	13%	-6%	0%	-1%	-17%	0%	0%	0%	0%	0%	0%
1968	Below Norm	0%	0%	0%	0%	0%	0%	-4%	-2%	-12%	2%	-2%	-14%
1969	Wet	9%	0%	0%	-1%	0%	-24%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	1%	0%	0%	-7%	-4%	-4%	-44%	-23%	7%	-5%
1971	Wet	-2%	-1%	-10%	-16%	31%	0%	0%	0%	0%	0%	0%	0%
1972	Below Norm	0%	1%	0%	-1%	-1%	0%	-13%	-6%	43%	-5%	-3%	-2%
1973	Above Norm	3%	1%	1%	0%	0%	-16%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	1%	0%	-1%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	-21%	-2%	30%	129%	32%	-31%	32%
1977	Critical	45%	24%	193%	-1%	1000%	0%	-4%	-3%	-7%	-61%	-74%	-5%
1978	Above Norm	-77%	-18%	16%	4%	2%	-84%	0%	0%	2%	0%	0%	0%
1979	Below Norm	0%	-5%	-2%	-3%	-1%	-8%	-2%	-2%	-24%	2%	-4%	-6%
1980	Above Norm	-3%	-7%	-12%	-16%	234%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	-1%	-1%	0%	0%	0%	0%	8%	0%	-1%	0%
1982	Wet	27%	1%	0%	1%	0%	-17%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	4%	1%	1%	1%
1985	Dry	0%	-1%	0%	0%	0%	103%	-9%	-3%	-71%	-6%	3%	-5%
1986	Wet	-2%	-2%	-8%	-12%	-6%	218%	24%	-13%	-65%	1053%	-13%	-18%
1987	Dry	-13%	-13%	-45%	70%	0%	355%	15%	3%	16%	-29%	334%	70%
1988	Critical	-22%	0%	-6%	-7%	0%	0%	-1%	0%	14%	7%	-5%	-1%
1989	Dry	-1%	-6%	101%	-1%	139%	1%	4%	-1%	-24%	-17%	-21%	0%
1990	Critical	4%	1%	-20%	-5%	63%	0%	0%	0%	0%	-4%	0%	0%
1991	Critical	0%	0%	-9%	9%	8%	0%	0%	0%	0%	0%	2%	-1%
1992	Critical	-2%	-3%	0%	0%	-1%	-6%	-2%	8%	0%	-5%	0%	0%
1993	Above Norm	0%	38%	-10%	-3%	-2%	0%	0%	1%	2%	0%	1%	0%
1994	Critical	0%	0%	0%	0%	-3%	0%	1%	1%	53%	1%	-1%	-1%
1995	Wet	150%	-1%	-6%	-1%	-2%	-15%	-68%	-1%	0%	0%	0%	0%
1996	Wet	-1%	-2%	-2%	-1%	0%	0%	0%	0%	0%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	-3%	0%	0%	0%	0%	0%	0%	11%
1998	Wet	10%	1%	1%	0%	-15%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norm	0%	0%	0%	-1%	-1%	1%	0%	0%	0%	0%	0%	0%
2001	Dry	0%	0%	1%	0%	0%	-6%	0%	0%	0%	0%	0%	37%
2002	Dry	-8%	2%	-4%	-7%	322%	-3%	0%	0%	0%	0%	0%	-4%
2003	Above Norm	33%	12%	6%	0%	-48%	195%	-18%	0%	0%	0%	55%	-2%
Average		8%	2%	4%	-3%	29%	11%	-2%	2%	2%	19%	18%	9%
Wet		7%	0%	-2%	-3%	1%	6%	-2%	-1%	-5%	40%	0%	-1%
Above Norm		4%	-1%	0%	-2%	14%	8%	-2%	4%	5%	1%	6%	0%
Below Norm		25%	6%	-3%	-9%	1%	23%	-3%	5%	2%	1%	0%	-1%
Dry		5%	2%	15%	1%	21%	18%	-1%	2%	-14%	24%	83%	22%
Critical		2%	2%	14%	-2%	146%	-3%	-1%	6%	37%	4%	-9%	32%

Difference in Energy Use (GWh) At Pumping Plant at Contra Costa : CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1927	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1932	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1935	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1940	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1945	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1946	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1947	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1948	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1949	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1951	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1961	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1963	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1965	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1966	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Below Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Dry		0	0	0	0	0	0	0	0	0	0	0	0	0
Critical		0	0	0	0	0	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at Contra Costa : CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1923	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1924	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1925	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1926	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1927	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1928	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1929	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1930	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1931	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1932	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1933	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1934	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1935	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1936	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1937	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1938	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1940	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1942	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1944	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1945	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1946	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1947	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1948	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1949	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1950	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1951	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1955	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1956	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1958	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1960	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1961	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1962	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1963	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1964	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1965	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1966	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1968	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1969	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1972	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1973	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1977	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1978	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1979	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1980	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1982	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1986	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1987	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1988	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1989	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1990	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1992	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1993	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1995	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1998	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2001	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2002	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2003	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Average		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Wet		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Above Norma		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Below Norma		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Dry		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Critical		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Energy Use (GWh) At Pumping Plant at Corning: CONV_NA

Year Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922 Above Normal	0.18	0.00	0.00	0.00	0.00	0.04	1.02	1.11	1.25	1.33	0.96	0.54	6
1923 Below Normal	0.00	0.00	0.00	0.00	0.00	0.17	0.50	0.96	0.80	1.09	0.82	0.14	4
1924 Critical	0.11	0.02	0.00	0.00	0.00	0.01	0.03	0.03	0.04	0.04	0.03	0.01	0
1925 Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.47	0.57	0.76	0.56	0.24	3
1926 Dry	0.09	0.00	0.00	0.00	0.00	0.02	0.07	0.25	0.33	0.35	0.24	0.14	1
1927 Wet	0.03	0.00	0.00	0.00	0.00	0.04	0.75	1.13	1.22	1.43	1.07	0.57	6
1928 Above Normal	0.04	0.00	0.00	0.00	0.00	0.00	0.35	0.86	0.89	0.96	0.72	0.38	4
1929 Critical	0.12	0.00	0.00	0.00	0.00	0.00	0.11	0.16	0.13	0.18	0.13	0.07	1
1930 Dry	0.03	0.01	0.00	0.00	0.00	0.00	0.18	0.33	0.43	0.47	0.35	0.16	2
1931 Critical	0.06	0.00	0.00	0.00	0.00	0.00	0.05	0.05	0.05	0.07	0.05	0.02	0
1932 Dry	0.01	0.00	0.00	0.00	0.00	0.01	0.12	0.13	0.18	0.20	0.15	0.08	1
1933 Critical	0.03	0.00	0.00	0.00	0.00	0.00	0.04	0.04	0.04	0.04	0.03	0.02	0
1934 Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.12	0.13	0.15	0.11	0.06	1
1935 Below Normal	0.01	0.00	0.00	0.00	0.00	0.00	0.02	0.41	0.54	0.57	0.43	0.21	2
1936 Below Normal	0.02	0.00	0.00	0.00	0.00	0.00	0.24	0.61	0.55	0.78	0.59	0.27	3
1937 Below Normal	0.11	0.02	0.00	0.00	0.00	0.00	0.18	0.50	0.44	0.57	0.43	0.23	2
1938 Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.43	1.25	1.41	1.50	1.12	0.47	6
1939 Dry	0.04	0.00	0.00	0.00	0.02	0.20	0.54	0.46	0.62	0.66	0.49	0.16	3
1940 Above Normal	0.06	0.01	0.00	0.00	0.00	0.00	0.61	1.01	1.39	1.52	1.14	0.57	6
1941 Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.89	1.51	1.63	1.22	0.66	6
1942 Wet	0.07	0.00	0.00	0.00	0.00	0.00	0.24	0.93	1.45	1.61	1.21	0.63	6
1943 Wet	0.19	0.00	0.00	0.00	0.00	0.00	0.34	1.18	1.34	1.45	1.10	0.59	6
1944 Dry	0.17	0.00	0.00	0.00	0.00	0.03	0.29	0.51	0.56	0.65	0.49	0.26	3
1945 Below Normal	0.07	0.00	0.00	0.00	0.00	0.00	0.52	0.73	0.99	1.18	0.88	0.47	5
1946 Below Normal	0.00	0.00	0.00	0.00	0.00	0.03	0.85	1.06	1.13	1.17	0.90	0.48	6
1947 Dry	0.17	0.00	0.00	0.00	0.00	0.00	0.32	0.60	0.63	0.76	0.57	0.30	3
1948 Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.83	1.31	1.74	1.31	0.57	6
1949 Dry	0.18	0.03	0.00	0.00	0.00	0.00	0.49	0.78	0.98	1.04	0.78	0.42	5
1950 Below Normal	0.16	0.00	0.00	0.00	0.00	0.01	0.36	0.48	0.50	0.56	0.41	0.21	3
1951 Above Normal	0.00	0.00	0.00	0.00	0.00	0.08	0.97	0.94	1.28	1.38	1.03	0.54	6
1952 Wet	0.04	0.00	0.00	0.00	0.00	0.00	0.53	1.24	1.12	1.44	1.11	0.80	6
1953 Wet	0.22	0.00	0.00	0.00	0.00	0.15	0.49	1.05	1.21	1.49	1.05	0.60	6
1954 Above Normal	0.15	0.00	0.00	0.00	0.00	0.00	0.41	1.31	1.28	1.57	0.89	0.61	6
1955 Dry	0.18	0.00	0.00	0.00	0.00	0.08	0.31	0.49	0.49	0.54	0.41	0.17	3
1956 Wet	0.07	0.00	0.00	0.00	0.00	0.15	0.92	0.66	1.23	1.46	1.10	0.53	6
1957 Above Normal	0.17	0.04	0.00	0.00	0.00	0.00	0.73	0.99	1.41	1.50	1.12	0.15	6
1958 Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.32	0.88	1.33	1.55	1.26	0.66	6
1959 Below Normal	0.22	0.03	0.00	0.00	0.00	0.06	0.98	1.15	1.22	1.32	0.97	0.30	6
1960 Dry	0.21	0.04	0.00	0.00	0.00	0.00	0.12	0.31	0.39	0.41	0.31	0.16	2
1961 Dry	0.04	0.00	0.00	0.00	0.00	0.00	0.38	0.74	0.81	0.92	0.68	0.25	4
1962 Below Normal	0.13	0.00	0.00	0.00	0.00	0.00	0.58	1.05	1.08	1.31	0.96	0.49	6
1963 Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.18	1.00	1.51	1.65	1.24	0.66	6
1964 Dry	0.02	0.00	0.00	0.00	0.00	0.05	0.51	0.51	0.49	0.59	0.41	0.17	3
1965 Wet	0.03	0.00	0.00	0.00	0.00	0.02	0.20	1.16	1.29	1.37	0.73	0.55	5
1966 Below Normal	0.22	0.00	0.00	0.00	0.00	0.04	0.91	1.16	1.20	1.28	0.94	0.52	6
1967 Wet	0.20	0.00	0.00	0.00	0.00	0.02	0.43	1.23	1.13	1.50	1.12	0.60	6
1968 Below Normal	0.22	0.00	0.00	0.00	0.00	0.02	0.78	1.06	1.09	1.25	0.62	0.50	6
1969 Wet	0.07	0.00	0.00	0.00	0.00	0.00	0.67	1.27	1.23	1.37	1.04	0.56	6
1970 Wet	0.08	0.02	0.00	0.00	0.00	0.00	0.54	0.89	0.74	0.99	0.74	0.40	4
1971 Wet	0.07	0.00	0.00	0.00	0.00	0.04	0.99	1.02	1.14	1.36	1.02	0.49	6
1972 Below Normal	0.20	0.00	0.00	0.00	0.00	0.23	0.76	0.75	0.88	0.97	0.72	0.25	5
1973 Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.65	1.23	1.32	1.43	1.07	0.55	6
1974 Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.48	1.31	1.39	1.26	1.14	0.61	6
1975 Wet	0.04	0.00	0.00	0.00	0.00	0.00	0.50	1.32	1.38	1.38	1.04	0.61	6
1976 Critical	0.00	0.00	0.00	0.00	0.02	0.09	0.17	0.25	0.26	0.28	0.17	0.08	1
1977 Critical	0.04	0.00	0.00	0.00	0.00	0.02	0.07	0.03	0.08	0.09	0.06	0.02	0
1978 Above Normal	0.01	0.00	0.00	0.00	0.00	0.00	0.19	1.16	1.44	1.55	1.16	0.51	6
1979 Below Normal	0.25	0.00	0.00	0.00	0.00	0.00	0.38	0.97	1.11	1.19	0.77	0.39	5
1980 Above Normal	0.02	0.00	0.00	0.00	0.00	0.00	0.62	1.08	1.10	1.51	1.15	0.60	6
1981 Dry	0.18	0.02	0.00	0.00	0.00	0.00	0.44	1.00	1.50	1.62	1.21	0.49	6
1982 Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.51	1.42	1.18	1.57	1.21	0.35	6
1983 Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.25	1.14	1.42	1.66	1.10	0.48	6
1984 Wet	0.19	0.00	0.00	0.00	0.00	0.02	0.86	1.24	1.26	1.38	0.92	0.53	6
1985 Dry	0.04	0.00	0.00	0.00	0.00	0.00	0.61	0.96	1.00	1.04	0.78	0.26	5
1986 Wet	0.06	0.00	0.00	0.00	0.00	0.00	0.30	0.63	0.95	1.02	0.76	0.13	4
1987 Dry	0.15	0.02	0.00	0.00	0.00	0.00	0.32	0.58	0.64	0.68	0.51	0.27	3
1988 Critical	0.08	0.00	0.00	0.00	0.00	0.04	0.18	0.18	0.22	0.28	0.21	0.11	1
1989 Dry	0.04	0.00	0.00	0.00	0.00	0.00	0.22	0.54	0.58	0.69	0.51	0.01	3
1990 Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1991 Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.18	0.21	0.23	0.17	0.09	1
1992 Critical	0.03	0.00	0.00	0.00	0.00	0.00	0.22	0.57	0.50	0.67	0.50	0.26	3
1993 Above Normal	0.02	0.01	0.00	0.00	0.00	0.00	0.56	0.81	1.17	1.70	1.22	0.69	6
1994 Critical	0.10	0.00	0.00	0.00	0.00	0.05	0.63	0.62	0.98	1.06	0.79	0.42	5
1995 Wet	0.14	0.00	0.00	0.00	0.00	0.00	0.41	0.86	1.30	1.57	1.18	0.63	6
1996 Wet	0.25	0.05	0.00	0.00	0.00	0.00	0.62	0.81	1.46	1.60	1.20	0.51	6
1997 Wet	0.05	0.00	0.00	0.00	0.00	0.04	0.98	1.07	1.01	1.31	0.86	0.46	6
1998 Wet	0.10	0.00	0.00	0.00	0.00	0.00	0.41	1.00	1.29	1.83	1.36	0.72	6
1999 Wet	0.15	0.00	0.00	0.00	0.00	0.00	0.53	1.28	1.19	1.44	1.02	0.58	6
2000 Above Normal	0.21	0.00	0.00	0.00	0.00	0.00	0.39	1.08	1.40	1.55	1.24	0.60	6
2001 Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.47	0.46	0.55	0.41	0.19	2
2002 Dry	0.05	0.00	0.00	0.00	0.00	0.03	0.68	0.69	0.85	0.90	0.68	0.36	4
2003 Above Normal	0.14	0.00	0.00	0.00	0.00	0.00	0.25	0.89	1.60	1.70	1.12	0.69	6
Average	0	0	0	0	0	0	0	1	1	1	1	0	4
Wet	0	0	0	0	0	0	1	1	1	1	1	1	6
Above Normal	0	0	0	0	0	0	1	1	1	1	1	1	6
Below Normal	0	0	0	0	0	0	1	1	1	1	1	0	5
Dry	0	0	0	0	0	0	0	1	1	1	1	0	3
Critical	0	0	0	0	0	0	0	0	0	0	0	0	1

Difference in Energy Use (GWh) At Pumping Plant at Corning: CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1927	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1932	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1935	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1940	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1945	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1946	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1947	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1948	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1949	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1951	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1961	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1963	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1965	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1966	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Below Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Dry		0	0	0	0	0	0	0	0	0	0	0	0	0
Critical		0	0	0	0	0	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at Corning: CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1923	Below Norma	-	-	-	-	-	-15%	-15%	-15%	-15%	-15%	-15%	-15%
1924	Critical	-15%	-15%	-	-	-	0%	0%	0%	0%	0%	0%	0%
1925	Dry	-	-	-	-	-	-	1%	5%	5%	5%	5%	5%
1926	Dry	5%	-	-	-	-	21%	21%	21%	21%	21%	21%	21%
1927	Wet	21%	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1928	Above Norma	0%	-	-	-	-	-	38%	38%	38%	38%	38%	38%
1929	Critical	38%	-	-	-	-	40%	40%	40%	40%	40%	40%	40%
1930	Dry	40%	40%	-	-	-	-	-3%	-3%	-3%	-3%	-3%	-3%
1931	Critical	-3%	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1932	Dry	0%	-	-	-	-	11%	11%	11%	11%	11%	11%	11%
1933	Critical	11%	11%	-	-	-	0%	0%	0%	0%	0%	0%	0%
1934	Critical	0%	0%	-	-	-	-4%	-4%	-4%	-4%	-4%	-4%	-4%
1935	Below Norma	-4%	-	-	-	-	-	-2%	-8%	-8%	-8%	-8%	-8%
1936	Below Norma	-8%	-	-	-	-	-	-6%	-6%	-6%	-6%	-6%	-6%
1937	Below Norma	-6%	-6%	-	-	-	-	-5%	-7%	-7%	-7%	-7%	-7%
1938	Wet	-	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1939	Dry	0%	-	-	-	0%	45%	42%	42%	42%	42%	42%	42%
1940	Above Norma	42%	42%	-	-	-	-	0%	0%	0%	0%	0%	0%
1941	Wet	-	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1942	Wet	0%	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1943	Wet	0%	-	-	-	-	-	1%	1%	1%	1%	1%	1%
1944	Dry	1%	-	-	-	-	34%	34%	34%	34%	34%	34%	34%
1945	Below Norma	34%	-	-	-	-	-	3%	3%	3%	3%	3%	3%
1946	Below Norma	-	-	-	-	-	35%	8%	8%	8%	8%	8%	8%
1947	Dry	8%	-	-	-	-	-	9%	9%	9%	9%	9%	9%
1948	Below Norma	-	-	-	-	-	-	2%	1%	1%	1%	1%	0%
1949	Dry	0%	0%	-	-	-	-	18%	18%	18%	18%	18%	18%
1950	Below Norma	18%	-	-	-	-	10%	12%	12%	12%	12%	12%	12%
1951	Above Norma	-	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1953	Wet	0%	-	-	-	-	26%	0%	0%	0%	0%	0%	0%
1954	Above Norma	0%	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1955	Dry	0%	-	-	-	-	38%	38%	38%	38%	38%	38%	38%
1956	Wet	38%	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1957	Above Norma	0%	0%	-	-	-	-	6%	6%	6%	6%	6%	6%
1958	Wet	-	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	-	-	-	0%	0%	0%	0%	0%	0%	0%
1960	Dry	0%	0%	-	-	-	-	14%	14%	14%	14%	14%	14%
1961	Dry	14%	-	-	-	-	-	29%	29%	29%	29%	29%	29%
1962	Below Norma	29%	-	-	-	-	-	14%	14%	14%	14%	14%	14%
1963	Wet	-	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1964	Dry	0%	-	-	-	-	45%	45%	45%	45%	45%	45%	45%
1965	Wet	45%	-	-	-	-	35%	35%	10%	10%	10%	10%	10%
1966	Below Norma	10%	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1968	Below Norma	0%	-	-	-	-	31%	16%	16%	16%	16%	16%	16%
1969	Wet	16%	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	-	-	-	-	36%	36%	36%	36%	36%	36%
1971	Wet	36%	-	-	-	-	8%	0%	0%	0%	0%	0%	0%
1972	Below Norma	0%	-	-	-	-	36%	36%	36%	36%	36%	36%	36%
1973	Above Norma	-	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1974	Wet	-	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1975	Wet	0%	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1976	Critical	-	-	-	-	0%	40%	40%	40%	40%	40%	40%	40%
1977	Critical	40%	40%	-	-	-	0%	0%	0%	0%	0%	0%	0%
1978	Above Norma	0%	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1979	Below Norma	0%	-	-	-	-	-	23%	23%	23%	23%	23%	23%
1980	Above Norma	23%	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	-	-	-	-	0%	0%	0%	0%	0%	0%
1982	Wet	-	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1983	Wet	-	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1984	Wet	0%	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	-	-	-	-	-	32%	32%	32%	32%	32%	32%
1986	Wet	32%	-	-	-	-	-	42%	42%	42%	42%	42%	42%
1987	Dry	42%	42%	-	-	-	-	11%	11%	11%	11%	11%	11%
1988	Critical	11%	-	-	-	-	7%	7%	7%	7%	7%	7%	7%
1989	Dry	7%	-	-	-	-	-	10%	10%	10%	10%	10%	10%
1990	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1991	Critical	-	-	-	-	-	-	-1%	-1%	-1%	-1%	-1%	-1%
1992	Critical	-1%	-1%	-	-	-	-	5%	5%	5%	5%	5%	5%
1993	Above Norma	5%	5%	-	-	-	-	0%	0%	0%	0%	0%	0%
1994	Critical	0%	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1995	Wet	0%	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	-	-	-	-	0%	0%	0%	0%	0%	0%
1997	Wet	0%	-	-	-	-	7%	7%	7%	7%	7%	7%	7%
1998	Wet	7%	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1999	Wet	0%	-	-	-	-	-	0%	0%	0%	0%	0%	0%
2000	Above Norma	0%	-	-	-	-	-	0%	0%	0%	0%	0%	0%
2001	Dry	-	-	-	-	-	-	38%	38%	38%	38%	38%	38%
2002	Dry	38%	-	-	-	-	41%	36%	36%	36%	36%	36%	36%
2003	Above Norma	36%	-	-	-	-	-	0%	0%	0%	0%	0%	0%
Average		9%	9%	#DIV/0!	#DIV/0!	0%	15%	9%	9%	9%	9%	9%	9%
Wet		8%	0%	0%	0%	0%	3%	5%	4%	4%	4%	4%	4%
Above Norma		9%	4%	0%	0%	0%	0%	4%	4%	4%	4%	4%	4%
Below Norma		5%	0%	0%	0%	0%	7%	6%	5%	5%	5%	5%	5%
Dry		9%	5%	0%	0%	0%	13%	21%	22%	22%	22%	22%	22%
Critical		7%	3%	0%	0%	0%	7%	7%	7%	7%	7%	7%	7%

Energy Use (GWh) At Pumping Plant at CVP Banks: CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.39	0.00	15
1923	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	0.00	0.00	4
1924	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1925	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1926	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1927	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.17	0.00	9
1928	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.65	0.00	6
1929	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1930	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1931	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1932	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1933	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1934	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1935	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1936	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1937	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1938	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.39	0.00	15
1939	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1940	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
1941	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.39	0.00	15
1942	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.39	0.00	15
1943	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.39	0.00	15
1944	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1945	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.08	0.00	0.00	3
1946	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.45	0.00	4
1947	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1948	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.30	0.00	0.00	1
1949	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.33	0.00	0.00	2
1950	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.56	0.00	1
1951	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
1952	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.39	0.00	15
1953	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.39	0.00	15
1954	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
1955	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1956	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.39	0.00	15
1957	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.68	0.00	6
1958	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.39	0.00	15
1959	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1960	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1961	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
1962	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.38	0.00	6
1963	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
1964	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1965	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.57	10.39	0.00	12
1966	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
1967	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.39	0.00	15
1968	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1969	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.39	0.00	15
1970	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
1971	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.10	0.00	10
1972	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
1973	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.00	0
1974	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.39	0.00	15
1975	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.49	10.39	0.00	13
1976	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1977	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1978	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
1979	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1980	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.39	0.00	15
1981	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.83	8.57	0.00	11
1982	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.39	0.00	15
1983	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.09	0.00	15
1984	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
1985	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	6.27	0.00	11
1986	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
1987	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1988	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1989	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1990	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1991	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1992	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1993	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1994	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.37	9.31	0.00	13
1995	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
1996	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.39	0.00	15
1997	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.52	0.00	7
1998	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
1999	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
2000	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
2001	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
2002	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.90	0.00	0.00	3
2003	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
Average		0	0	0	0	0	0	0	0	0	1	5	0	6
Wet		0	0	0	0	0	0	0	0	0	3	10	0	13
Above Normal		0	0	0	0	0	0	0	0	0	1	8	0	9
Below Normal		0	0	0	0	0	0	0	0	0	1	2	0	3
Dry		0	0	0	0	0	0	0	0	0	1	1	0	2
Critical		0	0	0	0	0	0	0	0	0	0	1	0	1

Energy Use (GWh) At Pumping Plant at CVP Banks: CP3_2020

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.39	0.00	15
1923	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1924	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1925	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1926	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1927	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
1928	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
1929	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1930	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1931	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1932	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1933	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1934	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1935	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1936	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1937	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1938	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.39	0.00	15
1939	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.07	0.00	0.00	3
1940	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
1941	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.39	0.00	15
1942	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.39	0.00	15
1943	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.39	0.00	15
1944	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1945	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.06	0.00	0.00	3
1946	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1947	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1948	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.45	6.41	0.00	10
1949	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.48	0.00	0.00	1
1950	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1951	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
1952	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.39	0.00	15
1953	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.39	0.00	15
1954	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
1955	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	1
1956	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.39	0.00	15
1957	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
1958	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.39	0.00	15
1959	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1960	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1961	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.99	9.52	0.00	13
1962	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
1963	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
1964	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.39	0.00	15
1965	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.39	0.00	15
1966	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
1967	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.39	0.00	15
1968	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1969	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.39	0.00	15
1970	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
1971	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.84	0.00	10
1972	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
1973	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.00	0
1974	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.39	0.00	15
1975	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.62	10.39	0.00	12
1976	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1977	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1978	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
1979	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.01	0.00	0.00	4
1980	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.39	0.00	15
1981	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.86	7.97	0.00	11
1982	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.39	0.00	15
1983	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.05	0.00	15
1984	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
1985	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.39	0.00	15
1986	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
1987	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1988	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1989	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1990	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1991	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1992	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1993	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1994	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.49	8.73	0.00	12
1995	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
1996	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.39	0.00	15
1997	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.79	0.00	9
1998	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
1999	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
2000	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
2001	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
2002	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.07	7.32	0.00	10
2003	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
Average		0	0	0	0	0	0	0	0	0	1	6	0	7
Wet		0	0	0	0	0	0	0	0	0	3	10	0	13
Above Normal		0	0	0	0	0	0	0	0	0	1	9	0	9
Below Normal		0	0	0	0	0	0	0	0	0	1	3	0	3
Dry		0	0	0	0	0	0	0	0	0	1	3	0	4
Critical		0	0	0	0	0	0	0	0	0	0	1	0	1

Difference in Energy Use (GWh) At Pumping Plant at CVP Banks: CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	0	0	-4	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1927	Wet	0	0	0	0	0	0	0	0	0	0	1	0	0
1928	Above Norma	0	0	0	0	0	0	0	0	0	0	5	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1932	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1935	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	0	0	0	3	0	0	0
1940	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1945	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1946	Below Norma	0	0	0	0	0	0	0	0	0	0	-4	0	0
1947	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1948	Below Norma	0	0	0	0	0	0	0	0	0	2	6	0	1
1949	Dry	0	0	0	0	0	0	0	0	0	-1	0	0	0
1950	Below Norma	0	0	0	0	0	0	0	0	0	0	-1	0	0
1951	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	1	0	0	0
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	5	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1961	Dry	0	0	0	0	0	0	0	0	0	3	-1	0	0
1962	Below Norma	0	0	0	0	0	0	0	0	0	0	4	0	0
1963	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	0	0	0	0	4	10	0	1
1965	Wet	0	0	0	0	0	0	0	0	0	3	0	0	0
1966	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	-1	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	Below Norma	0	0	0	0	0	0	0	0	0	4	0	0	0
1980	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	-1	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	4	0	0
1986	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	-1	0	0
1995	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	2	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	7	0	1
2003	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norma		0	0	0	0	0	0	0	0	0	0	1	0	0
Below Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Dry		0	0	0	0	0	0	0	0	0	1	1	0	0
Critical		0	0	0	0	0	0	0	0	0	0	0	0	0

Percent Difference in Energy Use (GWh) At Pumping Plant at CVP Banks: CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma-	-	-	-	-	-	-	-	-	-	0%	0%	-
1923	Below Norma-	-	-	-	-	-	-	-	-	-	-100%	-	-
1924	Critical	-	-	-	-	-	-	-	-	-	-100%	-100%	-
1925	Dry	-	-	-	-	-	-	-	-	-	-	73%	-
1926	Dry	-	-	-	-	-	-	-	-	-	-	-	-
1927	Wet	-	-	-	-	-	-	-	-	-	-	13%	-
1928	Above Norma-	-	-	-	-	-	-	-	-	-	-80%	84%	-
1929	Critical	-	-	-	-	-	-	-	-	-	-69%	-72%	-
1930	Dry	-	-	-	-	-	-	-	-	-	-	-39%	-
1931	Critical	-	-	-	-	-	-	-	-	-	-86%	-80%	-
1932	Dry	-	-	-	-	-	-	-	-	-	-	-100%	-
1933	Critical	-	-	-	-	-	-	-	-	-	-100%	0%	-
1934	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1935	Below Norma-	-	-	-	-	-	-	-	-	-	227%	-	-
1936	Below Norma-	-	-	-	-	-	-	-	-	-	-	-62%	-
1937	Below Norma-	-	-	-	-	-	-	-	-	-	-	-100%	-
1938	Wet	-	-	-	-	-	-	-	-	-	0%	0%	-
1939	Dry	-	-	-	-	-	-	-	-	-	-	-	-
1940	Above Norma-	-	-	-	-	-	-	-	-	-	-	0%	-
1941	Wet	-	-	-	-	-	-	-	-	-	0%	0%	-
1942	Wet	-	-	-	-	-	-	-	-	-	0%	0%	-
1943	Wet	-	-	-	-	-	-	-	-	-	0%	0%	-
1944	Dry	-	-	-	-	-	-	-	-	-	-	-	-
1945	Below Norma-	-	-	-	-	-	-	-	-	-	-1%	-	-
1946	Below Norma-	-	-	-	-	-	-	-	-	-	-100%	-100%	-
1947	Dry	-	-	-	-	-	-	-	-	-	-100%	-	-
1948	Below Norma-	-	-	-	-	-	-	-	-	-	164%	-	-
1949	Dry	-	-	-	-	-	-	-	-	-	-37%	-	-
1950	Below Norma-	-	-	-	-	-	-	-	-	-	-100%	-100%	-
1951	Above Norma-	-	-	-	-	-	-	-	-	-	-100%	0%	-
1952	Wet	-	-	-	-	-	-	-	-	-	0%	0%	-
1953	Wet	-	-	-	-	-	-	-	-	-	0%	0%	-
1954	Above Norma-	-	-	-	-	-	-	-	-	-	-	0%	-
1955	Dry	-	-	-	-	-	-	-	-	-	21487515%	-	-
1956	Wet	-	-	-	-	-	-	-	-	-	0%	0%	-
1957	Above Norma-	-	-	-	-	-	-	-	-	-	65%	83%	-
1958	Wet	-	-	-	-	-	-	-	-	-	0%	0%	-
1959	Below Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1960	Dry	-	-	-	-	-	-	-	-	-	-	-100%	-
1961	Dry	-	-	-	-	-	-	-	-	-	123912002%	-8%	-
1962	Below Norma-	-	-	-	-	-	-	-	-	-	0%	63%	-
1963	Wet	-	-	-	-	-	-	-	-	-	-	0%	-
1964	Dry	-	-	-	-	-	-	-	-	-	-	165502063%	-
1965	Wet	-	-	-	-	-	-	-	-	-	183%	0%	-
1966	Below Norma-	-	-	-	-	-	-	-	-	-	-	0%	-
1967	Wet	-	-	-	-	-	-	-	-	-	0%	0%	-
1968	Below Norma-	-	-	-	-	-	-	-	-	-	-100%	-	-
1969	Wet	-	-	-	-	-	-	-	-	-	0%	0%	-
1970	Wet	-	-	-	-	-	-	-	-	-	-	0%	-
1971	Wet	-	-	-	-	-	-	-	-	-	-	-3%	-
1972	Below Norma-	-	-	-	-	-	-	-	-	-	-	0%	-
1973	Above Norma-	-	-	-	-	-	-	-	-	-	39%	-3%	-
1974	Wet	-	-	-	-	-	-	-	-	-	0%	0%	-
1975	Wet	-	-	-	-	-	-	-	-	-	-35%	0%	-
1976	Critical	-	-	-	-	-	-	-	-	-	-100%	-100%	-
1977	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1978	Above Norma-	-	-	-	-	-	-	-	-	-	-100%	0%	-
1979	Below Norma-	-	-	-	-	-	-	-	-	-	-	-40%	-
1980	Above Norma-	-	-	-	-	-	-	-	-	-	0%	0%	-
1981	Dry	-	-	-	-	-	-	-	-	-	1%	-7%	-
1982	Wet	-	-	-	-	-	-	-	-	-	0%	0%	-
1983	Wet	-	-	-	-	-	-	-	-	-	0%	0%	-
1984	Wet	-	-	-	-	-	-	-	-	-	-100%	0%	-
1985	Dry	-	-	-	-	-	-	-	-	-	0%	66%	-
1986	Wet	-	-	-	-	-	-	-	-	-	-86%	0%	-
1987	Dry	-	-	-	-	-	-	-	-	-	-100%	-	-
1988	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1989	Dry	-	-	-	-	-	-	-	-	-	-	-	-
1990	Critical	-	-	-	-	-	-	-	-	-	-	-61%	-
1991	Critical	-	-	-	-	-	-	-	-	-	-100%	-	-
1992	Critical	-	-	-	-	-	-	-	-	-	-81%	-100%	-
1993	Above Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Critical	-	-	-	-	-	-	-	-	-	4%	-6%	-
1995	Wet	-	-	-	-	-	-	-	-	-	-	0%	-
1996	Wet	-	-	-	-	-	-	-	-	-	0%	0%	-
1997	Wet	-	-	-	-	-	-	-	-	-	-	35%	-
1998	Wet	-	-	-	-	-	-	-	-	-	-	0%	-
1999	Wet	-	-	-	-	-	-	-	-	-	-3%	0%	-
2000	Above Norma-	-	-	-	-	-	-	-	-	-	-	0%	-
2001	Dry	-	-	-	-	-	-	-	-	-	-100%	-88%	-
2002	Dry	-	-	-	-	-	-	-	-	-	6%	-	-
2003	Above Norma-	-	-	-	-	-	-	-	-	-	-100%	0%	-
Average		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	2796120%	2669374%	#DIV/0!
Wet		0%	0%	0%	0%	0%	0%	0%	0%	0%	-2%	2%	0%
Above Norma		0%	0%	0%	0%	0%	0%	0%	0%	0%	-23%	14%	0%
Below Norma		0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	-24%	0%
Dry		0%	0%	0%	0%	0%	0%	0%	0%	0%	8077733%	9194548%	0%
Critical		0%	0%	0%	0%	0%	0%	0%	0%	0%	-53%	-43%	0%

Energy Use (GWh) At Pumping Plant at CVP Dos Amigos: CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	4.97	4.39	7.27	12.33	12.86	8.37	8.90	14.86	26.26	31.74	21.98	5.48	159
1923	Below Normal	4.23	3.72	6.12	10.33	10.79	7.58	8.17	13.29	23.44	28.32	19.65	4.95	141
1924	Critical	3.81	3.33	5.47	9.19	9.62	0.83	1.06	1.55	2.44	2.87	2.26	0.85	43
1925	Dry	0.60	0.43	0.56	0.74	0.90	4.06	4.71	8.73	15.29	18.45	12.89	3.34	71
1926	Dry	2.55	2.20	3.55	5.91	6.24	2.82	3.31	4.89	8.41	10.11	7.21	2.03	59
1927	Wet	1.53	1.27	1.96	3.14	3.38	7.48	8.17	13.01	22.95	27.73	19.25	4.85	115
1928	Above Normal	3.74	3.27	5.35	9.00	9.42	5.81	8.17	12.43	21.91	26.48	18.39	4.64	129
1929	Critical	3.57	3.12	5.11	8.58	8.99	1.83	2.20	3.24	5.45	6.52	4.75	1.45	55
1930	Dry	1.07	0.85	1.26	1.95	2.15	3.46	4.27	6.32	10.98	13.22	9.33	2.53	57
1931	Critical	1.92	1.62	2.56	4.18	4.44	1.03	1.29	1.89	3.04	3.61	2.76	0.97	29
1932	Dry	0.70	0.52	0.70	0.98	1.15	1.96	2.34	3.44	5.82	6.98	5.06	1.52	31
1933	Critical	1.13	0.91	1.35	2.10	2.30	0.87	1.11	1.62	2.55	3.02	2.35	0.87	20
1934	Critical	0.62	0.45	0.58	0.78	0.94	1.60	1.94	2.85	4.76	5.69	4.18	1.31	26
1935	Below Normal	0.96	0.76	1.10	1.67	1.86	0.54	1.91	7.03	12.24	14.76	10.38	2.76	56
1936	Below Normal	2.10	1.79	2.85	4.68	4.97	5.54	6.39	9.48	16.64	20.09	14.01	3.60	92
1937	Below Normal	2.75	2.39	3.87	6.45	6.80	2.58	4.79	7.32	12.76	15.38	10.81	2.86	79
1938	Wet	2.18	1.86	2.97	4.89	5.18	10.38	11.46	17.63	31.24	37.77	26.09	6.43	158
1939	Dry	4.97	4.39	7.27	12.33	12.86	4.62	6.50	9.65	16.94	20.45	14.26	3.66	118
1940	Above Normal	2.80	2.43	3.94	6.58	6.92	5.80	7.18	11.51	20.27	24.48	17.02	4.32	113
1941	Wet	3.32	2.89	4.72	7.92	8.30	7.58	8.17	15.15	26.79	32.39	22.42	5.59	145
1942	Wet	4.31	3.79	6.24	10.54	11.01	8.25	8.98	14.26	25.20	30.45	21.10	5.28	149
1943	Wet	4.08	3.57	5.88	9.90	10.35	8.95	9.32	16.30	28.84	34.87	24.11	5.97	162
1944	Dry	4.61	4.07	6.72	11.37	11.87	5.04	5.82	8.63	15.12	18.24	12.75	3.31	108
1945	Below Normal	2.53	2.18	3.51	5.84	6.16	6.17	8.17	13.53	23.88	28.85	20.01	5.03	126
1946	Below Normal	3.88	3.40	5.57	9.37	9.80	6.51	7.53	11.70	20.60	24.89	17.30	4.38	125
1947	Dry	3.37	2.94	4.80	8.05	8.44	3.76	6.37	9.46	16.61	20.04	13.98	3.59	101
1948	Below Normal	2.75	2.38	3.86	6.44	6.78	2.01	5.31	12.34	21.76	26.28	18.25	4.61	113
1949	Dry	3.55	3.10	5.07	8.51	8.92	3.05	8.17	12.33	21.74	26.26	18.24	4.61	124
1950	Below Normal	3.55	3.10	5.07	8.51	8.91	3.53	5.22	7.74	13.52	16.30	11.43	3.01	90
1951	Above Normal	2.29	1.96	3.15	5.20	5.50	7.58	8.17	13.60	24.00	29.00	17.37	5.06	123
1952	Wet	3.90	3.41	5.60	9.42	9.85	8.97	10.78	17.63	31.24	37.77	26.09	6.43	171
1953	Wet	4.97	4.39	7.27	12.33	12.86	7.57	7.57	12.76	22.50	27.18	18.87	4.76	143
1954	Above Normal	3.67	3.20	5.25	8.81	9.23	7.58	8.17	12.99	22.92	27.70	19.22	4.84	134
1955	Dry	3.73	3.26	5.35	8.98	9.41	4.58	5.31	7.87	13.75	16.59	11.63	3.05	94
1956	Wet	2.33	1.99	3.20	5.29	5.60	8.28	8.41	13.33	23.53	28.43	19.72	4.96	125
1957	Above Normal	3.83	3.35	5.49	9.23	9.66	7.58	8.17	13.75	24.27	29.33	20.34	5.11	140
1958	Wet	3.94	3.45	5.66	9.53	9.97	8.06	9.23	17.63	31.24	37.77	26.09	6.43	169
1959	Below Normal	4.97	4.39	7.27	12.33	12.86	7.30	8.16	12.71	22.41	27.07	18.80	4.74	143
1960	Dry	3.65	3.19	5.23	8.78	9.19	1.52	3.83	5.67	9.80	11.80	8.36	2.30	73
1961	Dry	1.74	1.46	2.29	3.70	3.96	4.16	7.70	11.44	20.15	24.33	16.92	4.29	102
1962	Below Normal	3.30	2.88	4.69	7.87	8.25	5.93	7.27	11.59	20.41	24.65	17.14	4.35	118
1963	Wet	3.34	2.91	4.75	7.97	8.36	7.58	8.16	13.98	24.69	29.84	20.68	5.19	137
1964	Dry	4.00	3.51	5.76	9.69	10.14	4.89	5.65	8.39	14.69	17.72	12.40	3.23	100
1965	Wet	2.46	2.12	3.41	5.67	5.98	6.05	6.96	13.20	23.29	28.14	19.53	4.92	122
1966	Below Normal	3.79	3.31	5.43	9.13	9.56	7.58	8.17	13.02	22.96	27.74	19.25	4.85	135
1967	Wet	3.74	3.27	5.36	9.00	9.42	9.38	11.38	17.63	31.24	37.77	26.09	6.43	171
1968	Below Normal	4.97	4.39	7.27	12.33	12.86	7.58	8.17	12.93	22.80	27.55	19.12	4.82	145
1969	Wet	3.71	3.25	5.32	8.94	9.36	10.38	11.86	17.63	31.24	37.77	26.09	6.43	172
1970	Wet	4.97	4.39	7.27	12.33	12.86	6.76	8.17	12.65	22.31	26.96	18.72	4.72	142
1971	Wet	3.64	3.18	5.20	8.74	9.15	6.51	7.89	12.59	22.20	26.82	18.62	4.70	129
1972	Below Normal	3.62	3.16	5.18	8.69	9.10	7.58	8.17	12.32	21.71	26.23	18.22	4.60	129
1973	Above Normal	3.54	3.09	5.06	8.50	8.90	6.87	8.17	13.21	23.30	28.16	19.54	4.92	133
1974	Wet	3.79	3.32	5.44	9.14	9.56	8.15	8.87	15.09	26.67	32.24	22.32	5.56	150
1975	Wet	4.29	3.77	6.22	10.49	10.96	7.14	8.17	13.02	22.97	27.75	19.26	4.85	139
1976	Critical	3.74	3.27	5.36	9.00	9.43	2.68	3.15	4.66	8.00	9.61	6.87	1.95	68
1977	Critical	1.47	1.21	1.86	2.98	3.21	1.16	1.43	2.09	3.40	4.05	3.06	1.04	27
1978	Above Normal	0.75	0.57	0.78	1.13	1.30	7.80	10.17	17.63	31.24	37.77	26.09	6.43	142
1979	Below Normal	4.97	4.39	7.27	12.33	12.86	6.48	8.26	12.91	22.77	27.51	19.09	4.81	144
1980	Above Normal	3.71	3.24	5.31	8.92	9.34	9.34	9.68	15.79	27.93	33.76	23.36	5.80	156
1981	Dry	4.48	3.94	6.51	11.00	11.49	7.52	8.17	13.77	24.31	29.38	20.37	5.12	146
1982	Wet	3.94	3.45	5.67	9.54	9.98	8.57	10.45	17.63	31.24	37.77	26.09	6.43	171
1983	Wet	4.97	4.39	7.27	12.33	12.86	10.38	11.86	17.63	31.24	37.77	26.09	6.43	183
1984	Wet	4.97	4.39	7.27	12.33	12.86	7.59	8.17	12.76	22.50	27.18	18.87	4.76	144
1985	Dry	3.67	3.20	5.25	8.81	9.23	5.89	7.62	12.50	22.04	26.63	18.49	4.67	128
1986	Wet	3.59	3.14	5.14	8.63	9.04	6.11	7.77	11.53	20.31	24.53	17.05	4.33	121
1987	Dry	3.33	2.90	4.73	7.93	8.32	2.91	6.19	9.19	16.12	19.45	13.58	3.50	98
1988	Critical	2.67	2.31	3.74	6.24	6.58	2.53	2.98	4.41	7.54	9.06	6.49	1.86	56
1989	Dry	1.40	1.15	1.76	2.79	3.02	0.54	5.28	7.84	13.69	16.51	11.57	3.04	69
1990	Critical	2.32	1.99	3.18	5.27	5.57	0.54	0.72	1.05	1.54	1.78	1.51	0.67	26
1991	Critical	0.46	0.31	0.34	0.37	0.52	1.85	2.55	3.76	6.38	7.66	5.53	1.63	31
1992	Critical	1.22	0.98	1.48	2.33	2.54	2.81	5.63	8.35	14.61	17.63	12.34	3.21	73
1993	Above Normal	2.45	2.11	3.40	5.64	5.95	5.85	7.13	12.46	21.96	26.53	18.43	4.65	117
1994	Critical	3.58	3.13	5.12	8.60	9.01	8.96	9.70	14.49	25.61	30.95	21.44	5.36	146
1995	Wet	4.14	3.63	5.97	10.06	10.52	8.90	10.98	17.63	31.24	37.77	26.09	6.43	173
1996	Wet	4.97	4.39	7.27	12.33	12.86	8.08	8.72	14.86	26.26	31.74	21.98	5.48	159
1997	Wet	4.23	3.72	6.12	10.33	10.79	7.83	8.17	12.73	22.44	27.12	18.83	4.75	137
1998	Wet	3.66	3.20	5.23	8.79	9.21	10.38	11.86	17.63	31.24	37.77	26.09	6.43	171
1999	Wet	4.97	4.39	7.27	12.33	12.86	7.58	8.17	13.01	22.94	27.72	19.24	4.85	145
2000	Above Normal	3.73	3.26	5.35	8.99	9.41	7.57	8.17	13.88	24.50	29.61	20.53	5.15	140
2001	Dry	3.97	3.48	5.72	9.62	10.06	3.79	4.81	7.13	12.43	14.98	10.53	2.80	89
2002	Dry	2.13	1.81	2.89	4.76	5.05	6.10	7.92	12.60	22.22	26.84	18.64	4.70	116
2003	Above Normal	3.62	3.16	5.18	8.70	9.11	6.59	6.96	11.20	19.71	23.80	15.06	4.21	117
Average		3	3	5	8	8	6	7	11	20	24	17	4	115
Wet		4	3	6	9	10	8	9	15	26	32	22	6	150
Above Normal		3	3	5	8	8	7	8	14	24	29	20	5	134
Below Normal		3	3	5	8	9	5	7	11	20	24	17	4	117
Dry		3	3	4	7	7	4	6	9	16	19	13	3	94
Critical		2	2	3	5	5	2	3	4	7	9	6	2	50

Shasta Lake Water Resource Investigation
Socioeconomic Appendix - Power and Energy Technical Report

Energy Use (GWh) At Pumping Plant at CVP Dos Amigos: CP3_2020

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	4.97	4.39	7.27	12.33	12.86	8.37	8.90	14.86	26.26	31.74	21.98	5.48	159
1923	Below Normal	4.23	3.72	6.12	10.33	10.79	6.68	7.68	11.41	20.08	24.25	16.86	4.28	126
1924	Critical	3.29	2.87	4.68	7.84	8.23	0.83	1.06	1.55	2.44	2.87	2.26	0.85	39
1925	Dry	0.60	0.43	0.56	0.74	0.90	4.09	4.75	9.09	15.94	19.24	13.43	3.46	73
1926	Dry	2.65	2.29	3.70	6.17	6.51	3.28	3.84	5.68	9.82	11.82	8.37	2.31	66
1927	Wet	1.74	1.46	2.29	3.71	3.96	7.58	8.17	13.01	22.95	27.73	19.25	4.85	117
1928	Above Normal	3.74	3.27	5.35	9.00	9.42	7.31	8.17	14.66	25.91	31.32	21.42	5.42	145
1929	Critical	4.18	3.67	6.04	10.19	10.65	2.35	2.78	4.11	7.01	8.41	6.05	1.76	67
1930	Dry	1.31	1.07	1.63	2.58	2.79	3.30	4.17	6.17	10.70	12.89	9.10	2.47	58
1931	Critical	1.87	1.58	2.49	4.06	4.33	1.03	1.29	1.89	3.04	3.61	2.76	0.97	29
1932	Dry	0.70	0.52	0.70	0.98	1.15	2.11	2.51	3.70	6.28	7.54	5.45	1.61	33
1933	Critical	1.20	0.97	1.46	2.29	2.49	0.87	1.11	1.62	2.55	3.02	2.35	0.87	21
1934	Critical	0.62	0.45	0.58	0.78	0.94	1.56	1.88	2.77	4.62	5.52	4.07	1.28	25
1935	Below Normal	0.94	0.74	1.07	1.62	1.80	0.54	1.88	6.58	11.43	13.77	9.71	2.61	53
1936	Below Normal	1.98	1.68	2.66	4.36	4.63	5.22	6.02	8.94	15.67	18.91	13.21	3.41	87
1937	Below Normal	2.61	2.25	3.64	6.06	6.39	2.80	4.59	6.87	11.95	14.41	10.14	2.71	74
1938	Wet	2.06	1.75	2.78	4.57	4.85	10.38	11.46	17.63	31.24	37.77	26.09	6.43	157
1939	Dry	4.97	4.39	7.27	12.33	12.86	6.47	8.17	12.70	22.39	27.05	18.78	4.74	142
1940	Above Normal	3.65	3.19	5.22	8.77	9.19	5.40	6.72	10.83	19.06	23.01	16.01	4.08	115
1941	Wet	3.13	2.72	4.44	7.43	7.80	7.58	8.17	15.15	26.79	32.39	22.42	5.59	144
1942	Wet	4.31	3.79	6.24	10.54	11.01	8.25	8.98	14.26	25.20	30.45	21.10	5.28	149
1943	Wet	4.08	3.57	5.88	9.90	10.35	8.95	9.32	16.30	28.84	34.87	24.11	5.97	162
1944	Dry	4.61	4.07	6.72	11.37	11.87	6.58	7.56	11.23	19.77	23.88	16.61	4.22	128
1945	Below Normal	3.24	2.82	4.60	7.71	8.10	6.20	8.17	13.53	23.88	28.85	20.01	5.03	132
1946	Below Normal	3.88	3.40	5.57	9.37	9.80	6.51	7.82	12.13	21.37	25.82	17.93	4.54	128
1947	Dry	3.49	3.05	4.98	8.36	8.76	4.12	6.88	10.22	17.97	21.69	15.11	3.86	108
1948	Below Normal	2.96	2.57	4.18	6.99	7.35	2.87	5.39	12.53	22.09	26.69	18.53	4.68	117
1949	Dry	3.60	3.15	5.15	8.65	9.06	3.41	8.17	12.33	21.74	26.26	18.24	4.61	124
1950	Below Normal	3.55	3.10	5.07	8.51	8.91	3.84	5.76	8.54	14.96	18.04	12.62	3.28	96
1951	Above Normal	2.50	2.16	3.48	5.78	6.10	7.58	8.17	13.60	24.00	29.00	20.11	5.06	128
1952	Wet	3.90	3.41	5.60	9.42	9.85	9.11	10.78	17.63	31.24	37.77	26.09	6.43	171
1953	Wet	4.97	4.39	7.27	12.33	12.86	7.57	7.57	12.75	22.49	27.17	18.86	4.76	143
1954	Above Normal	3.66	3.20	5.24	8.81	9.23	7.58	8.17	12.99	22.92	27.70	19.22	4.84	134
1955	Dry	3.73	3.26	5.35	8.98	9.41	6.11	7.03	10.44	18.36	22.17	15.44	3.94	114
1956	Wet	3.02	2.63	4.27	7.15	7.51	8.28	8.41	13.33	23.53	28.43	19.72	4.96	131
1957	Above Normal	3.83	3.35	5.49	9.23	9.66	7.58	8.17	13.75	24.28	29.34	20.34	5.11	140
1958	Wet	3.94	3.45	5.66	9.53	9.97	8.05	9.23	17.63	31.24	37.77	26.09	6.43	169
1959	Below Normal	4.97	4.39	7.27	12.33	12.86	7.30	8.16	12.71	22.41	27.08	18.80	4.74	143
1960	Dry	3.65	3.19	5.23	8.78	9.19	2.66	4.25	6.29	10.92	13.15	9.28	2.51	79
1961	Dry	1.91	1.61	2.54	4.15	4.42	5.11	7.58	12.29	21.66	26.17	18.18	4.59	110
1962	Below Normal	3.54	3.09	5.05	8.48	8.88	6.31	7.65	12.17	21.45	25.91	18.00	4.55	125
1963	Wet	3.50	3.06	5.00	8.39	8.79	7.57	8.16	13.98	24.69	29.84	20.68	5.19	139
1964	Dry	4.00	3.51	5.76	9.69	10.14	6.64	7.32	11.13	19.58	23.65	16.45	4.18	122
1965	Wet	3.21	2.80	4.56	7.64	8.02	7.49	8.16	13.99	24.70	29.85	20.69	5.19	136
1966	Below Normal	4.00	3.51	5.76	9.70	10.14	7.23	8.17	13.02	22.96	27.74	19.25	4.85	136
1967	Wet	3.74	3.27	5.35	9.00	9.42	9.50	11.38	17.63	31.24	37.77	26.09	6.43	171
1968	Below Normal	4.97	4.39	7.27	12.33	12.86	7.58	8.17	12.93	22.80	27.55	19.12	4.82	145
1969	Wet	3.71	3.25	5.32	8.94	9.36	10.38	11.86	17.63	31.24	37.77	26.09	6.43	172
1970	Wet	4.97	4.39	7.27	12.33	12.86	7.58	8.17	13.76	24.30	29.36	10.67	5.11	141
1971	Wet	3.94	3.45	5.67	9.54	9.98	6.51	7.89	12.59	22.20	26.82	18.62	4.70	132
1972	Below Normal	3.62	3.16	5.18	8.69	9.10	7.58	8.17	12.32	21.71	26.23	18.22	4.60	129
1973	Above Normal	3.54	3.09	5.06	8.50	8.90	7.02	8.17	13.21	23.30	28.15	19.53	4.92	133
1974	Wet	3.79	3.32	5.44	9.14	9.56	8.15	8.87	15.09	26.67	32.24	22.32	5.56	150
1975	Wet	4.29	3.77	6.22	10.49	10.96	7.14	8.17	13.02	22.97	27.75	19.26	4.85	139
1976	Critical	3.74	3.27	5.36	9.00	9.43	3.52	4.11	6.09	10.55	12.70	8.98	2.44	79
1977	Critical	1.85	1.56	2.46	4.00	4.27	1.16	1.43	2.09	3.40	4.05	3.06	1.04	30
1978	Above Normal	0.75	0.57	0.78	1.13	1.30	7.74	10.17	17.63	31.24	37.77	26.09	6.43	142
1979	Below Normal	4.97	4.39	7.27	12.33	12.86	7.64	8.26	13.90	24.53	29.65	20.56	5.16	152
1980	Above Normal	3.98	3.48	5.72	9.63	10.08	9.34	9.68	15.79	27.93	33.76	23.36	5.80	159
1981	Dry	4.48	3.94	6.51	11.00	11.49	7.52	8.17	13.77	24.32	29.39	20.38	5.12	146
1982	Wet	3.95	3.45	5.67	9.54	9.98	8.70	10.45	17.63	31.24	37.77	26.09	6.43	171
1983	Wet	4.97	4.39	7.27	12.33	12.86	10.38	11.86	17.63	31.24	37.77	26.09	6.43	183
1984	Wet	4.97	4.39	7.27	12.33	12.86	7.59	8.17	12.76	22.50	27.18	18.87	4.76	144
1985	Dry	3.67	3.20	5.25	8.81	9.23	6.88	8.16	13.32	23.50	28.39	19.70	4.96	135
1986	Wet	3.82	3.34	5.48	9.22	9.65	8.85	10.54	15.98	28.28	34.18	23.65	5.87	159
1987	Dry	4.53	3.99	6.59	11.14	11.63	3.01	6.77	10.05	17.67	21.33	14.86	3.80	115
1988	Critical	2.91	2.53	4.11	6.87	7.22	2.67	3.14	4.64	7.96	9.57	6.84	1.95	60
1989	Dry	1.46	1.20	1.86	2.96	3.19	0.54	5.72	8.48	14.86	17.92	12.53	3.26	74
1990	Critical	2.49	2.14	3.45	5.74	6.05	0.54	0.72	1.05	1.54	1.78	1.51	0.67	28
1991	Critical	0.46	0.31	0.34	0.37	0.52	1.85	2.52	3.72	6.32	7.58	5.48	1.62	31
1992	Critical	1.21	0.98	1.47	2.30	2.51	2.86	5.89	8.74	15.32	18.48	12.92	3.35	76
1993	Above Normal	2.56	2.21	3.56	5.92	6.25	5.86	7.14	12.48	22.00	26.57	18.45	4.66	118
1994	Critical	3.59	3.13	5.13	8.61	9.02	8.96	9.70	14.49	25.61	30.95	21.44	5.36	146
1995	Wet	4.14	3.63	5.97	10.06	10.52	9.29	11.18	17.63	31.24	37.77	26.09	6.43	174
1996	Wet	4.97	4.39	7.27	12.33	12.86	8.08	8.72	14.86	26.26	31.74	21.98	5.48	159
1997	Wet	4.23	3.72	6.12	10.33	10.79	7.83	8.17	12.73	22.44	27.12	18.83	4.75	137
1998	Wet	3.66	3.20	5.23	8.79	9.21	10.38	11.86	17.63	31.24	37.77	26.09	6.43	171
1999	Wet	4.97	4.39	7.27	12.33	12.86	7.58	8.17	13.01	22.94	27.72	19.24	4.85	145
2000	Above Normal	3.73	3.26	5.35	8.99	9.41	7.57	8.17	13.88	24.50	29.61	19.01	5.15	139
2001	Dry	3.97	3.48	5.72	9.62	10.06	4.94	6.34	9.41	16.52	19.93	13.91	3.57	107
2002	Dry	2.73	2.37	3.84	6.40	6.74	6.51	7.89	13.11	23.13	27.94	19.39	4.89	125
2003	Above Normal	3.76	3.29	5.39	9.07	9.49	6.67	7.77	12.41	21.88	26.43	10.74	4.64	122
Average		3	3	5	8	8	6	7	12	20	25	17	4	119
Wet		4	3	6	10	10	8	9	15	27	32	22	6	153
Above Normal		3	3	5	8	8	7	8	14	24	30	20	5	136
Below Normal		4	3	5	8	9	6	7	11	20	24	17	4	117
Dry		3	3	4	7	8	5	6	10	18	21	15	4	104
Critical		2	2	3	5	5	2	3	4	8	9	6	2	53

Difference in Energy Use (GWh) At Pumping Plant at CVP Dos Amigos: CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	-1	0	-2	-3	-4	-3	-1	-1
1924	Critical	-1	0	-1	-1	-1	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	0	0	0	0	0	1	1	1	0	0
1926	Dry	0	0	0	0	0	0	1	1	1	2	1	0	1
1927	Wet	0	0	0	1	1	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	0	0	2	0	2	4	5	3	1	1
1929	Critical	1	1	1	2	2	1	1	1	2	2	1	0	1
1930	Dry	0	0	0	1	1	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1932	Dry	0	0	0	0	0	0	0	0	0	1	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1935	Below Norma	0	0	0	0	0	0	0	0	-1	-1	-1	0	0
1936	Below Norma	0	0	0	0	0	0	0	-1	-1	-1	-1	0	0
1937	Below Norma	0	0	0	0	0	0	0	0	-1	-1	-1	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	2	2	3	5	7	5	1	2
1940	Above Norma	1	1	1	2	2	0	0	-1	-1	-1	-1	0	0
1941	Wet	0	0	0	0	-1	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	2	2	3	5	6	4	1	2
1945	Below Norma	1	1	1	2	2	0	0	0	0	0	0	0	1
1946	Below Norma	0	0	0	0	0	0	0	0	1	1	1	0	0
1947	Dry	0	0	0	0	0	0	1	1	1	2	1	0	1
1948	Below Norma	0	0	0	1	1	1	0	0	0	0	0	0	0
1949	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Norma	0	0	0	0	0	0	1	1	1	2	1	0	1
1951	Above Norma	0	0	0	1	1	0	0	0	0	0	3	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	2	2	3	5	6	4	1	2
1956	Wet	1	1	1	2	2	0	0	0	0	0	0	0	1
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	1	0	1	1	1	1	0	0
1961	Dry	0	0	0	0	0	1	0	1	2	2	1	0	1
1962	Below Norma	0	0	0	1	1	0	0	1	1	1	1	0	1
1963	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	2	2	3	5	6	4	1	2
1965	Wet	1	1	1	2	2	1	1	1	2	2	1	0	1
1966	Below Norma	0	0	0	1	1	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	1	0	1	2	2	-8	0	0
1971	Wet	0	0	0	1	1	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	1	1	1	3	3	2	0	1
1977	Critical	0	0	1	1	1	0	0	0	0	0	0	0	0
1978	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	Below Norma	0	0	0	0	0	1	0	1	2	2	1	0	1
1980	Above Norma	0	0	0	1	1	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	1	1	1	1	2	1	0	1
1986	Wet	0	0	0	1	1	3	3	4	8	10	7	2	3
1987	Dry	1	1	2	3	3	0	1	1	2	2	1	0	1
1988	Critical	0	0	0	1	1	0	0	0	0	1	0	0	0
1989	Dry	0	0	0	0	0	0	0	1	1	1	1	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	1	1	1	0	0
1993	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	0	-2	0	0
2001	Dry	0	0	0	0	0	1	2	2	4	5	3	1	2
2002	Dry	1	1	1	2	2	0	0	1	1	1	1	0	1
2003	Above Norma	0	0	0	0	0	0	1	1	2	3	-4	0	0
Average		0	0	0	0	0	0	0	0	1	1	0	0	0
Wet		0	0	0	0	0	0	0	0	0	1	0	0	0
Above Norma		0	0	0	0	0	0	0	0	0	1	0	0	0
Below Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Dry		0	0	0	0	0	1	1	1	2	2	2	0	1
Critical		0	0	0	0	0	0	0	0	0	1	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at CVP Dos Amigos: CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1923	Below Norm	0%	0%	0%	0%	0%	-12%	-6%	-14%	-14%	-14%	-14%	-13%
1924	Critical	-14%	-14%	-14%	-15%	-15%	0%	0%	0%	0%	0%	0%	0%
1925	Dry	0%	0%	0%	0%	0%	1%	1%	4%	4%	4%	4%	4%
1926	Dry	4%	4%	4%	4%	4%	17%	16%	16%	17%	17%	16%	13%
1927	Wet	14%	15%	17%	18%	17%	1%	0%	0%	0%	0%	0%	0%
1928	Above Norm	0%	0%	0%	0%	0%	26%	0%	18%	18%	18%	17%	17%
1929	Critical	17%	18%	18%	19%	18%	28%	27%	27%	29%	29%	27%	21%
1930	Dry	23%	25%	29%	32%	30%	-5%	-2%	-2%	-3%	-3%	-2%	-2%
1931	Critical	-2%	-2%	-3%	-3%	-3%	0%	0%	0%	0%	0%	0%	0%
1932	Dry	0%	0%	0%	0%	0%	8%	7%	7%	8%	8%	8%	6%
1933	Critical	6%	7%	8%	9%	8%	0%	0%	0%	0%	0%	0%	0%
1934	Critical	0%	0%	0%	0%	0%	-3%	-3%	-3%	-3%	-3%	-3%	-2%
1935	Below Norm	-2%	-2%	-3%	-3%	-3%	0%	-1%	-6%	-7%	-7%	-6%	-6%
1936	Below Norm	-6%	-6%	-7%	-7%	-7%	-6%	-6%	-6%	-6%	-6%	-6%	-5%
1937	Below Norm	-5%	-6%	-6%	-6%	-6%	9%	-4%	-6%	-6%	-6%	-6%	-5%
1938	Wet	-5%	-6%	-6%	-7%	-6%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	0%	40%	26%	32%	32%	32%	32%	30%
1940	Above Norm	30%	31%	33%	33%	33%	-7%	-6%	-6%	-6%	-6%	-6%	-6%
1941	Wet	-6%	-6%	-6%	-6%	-6%	0%	0%	0%	0%	0%	0%	0%
1942	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1944	Dry	0%	0%	0%	0%	0%	31%	30%	30%	31%	31%	30%	28%
1945	Below Norm	28%	30%	31%	32%	31%	0%	0%	0%	0%	0%	0%	0%
1946	Below Norm	0%	0%	0%	0%	0%	0%	4%	4%	4%	4%	4%	3%
1947	Dry	4%	4%	4%	4%	4%	10%	8%	8%	8%	8%	8%	8%
1948	Below Norm	8%	8%	8%	9%	8%	42%	1%	2%	2%	2%	2%	1%
1949	Dry	1%	1%	2%	2%	2%	12%	0%	0%	0%	0%	0%	0%
1950	Below Norm	0%	0%	0%	0%	0%	9%	10%	10%	11%	11%	10%	9%
1951	Above Norm	9%	10%	11%	11%	11%	0%	0%	0%	0%	0%	16%	0%
1952	Wet	0%	0%	0%	0%	0%	2%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1955	Dry	0%	0%	0%	0%	0%	33%	33%	33%	33%	34%	33%	29%
1956	Wet	30%	32%	34%	35%	34%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1958	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1960	Dry	0%	0%	0%	0%	0%	75%	11%	11%	11%	11%	11%	9%
1961	Dry	9%	10%	11%	12%	12%	23%	-2%	7%	8%	8%	7%	7%
1962	Below Norm	7%	7%	8%	8%	8%	6%	5%	5%	5%	5%	5%	5%
1963	Wet	5%	5%	5%	5%	5%	0%	0%	0%	0%	0%	0%	0%
1964	Dry	0%	0%	0%	0%	0%	36%	-29%	33%	33%	34%	33%	30%
1965	Wet	30%	32%	34%	35%	34%	24%	17%	6%	6%	6%	6%	6%
1966	Below Norm	6%	6%	6%	6%	6%	-5%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1968	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1969	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	12%	0%	9%	9%	9%	-43%	8%
1971	Wet	8%	9%	9%	9%	9%	0%	0%	0%	0%	0%	0%	0%
1972	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1973	Above Norm	0%	0%	0%	0%	0%	2%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	32%	30%	31%	32%	32%	31%	25%
1977	Critical	26%	29%	32%	35%	33%	0%	0%	0%	0%	0%	0%	0%
1978	Above Norm	0%	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%
1979	Below Norm	0%	0%	0%	0%	0%	18%	0%	8%	8%	8%	8%	7%
1980	Above Norm	7%	8%	8%	8%	8%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1982	Wet	0%	0%	0%	0%	0%	2%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	17%	7%	7%	7%	7%	7%	6%
1986	Wet	6%	6%	7%	7%	7%	45%	36%	39%	39%	39%	39%	36%
1987	Dry	36%	38%	39%	40%	40%	4%	9%	9%	10%	10%	9%	9%
1988	Critical	9%	9%	10%	10%	10%	6%	5%	5%	6%	6%	5%	4%
1989	Dry	5%	5%	6%	6%	6%	0%	8%	8%	8%	9%	8%	7%
1990	Critical	7%	8%	8%	9%	9%	0%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	0%	0%	0%	0%	-1%	-1%	-1%	-1%	-1%	-1%
1992	Critical	-1%	-1%	-1%	-1%	-1%	2%	5%	5%	5%	5%	5%	4%
1993	Above Norm	4%	5%	5%	5%	5%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1995	Wet	0%	0%	0%	0%	0%	4%	2%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1998	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-7%	0%
2001	Dry	0%	0%	0%	0%	0%	30%	32%	32%	33%	33%	32%	28%
2002	Dry	28%	31%	33%	35%	34%	7%	0%	4%	4%	4%	4%	4%
2003	Above Norm	4%	4%	4%	4%	4%	1%	12%	11%	11%	11%	-29%	10%
Average		4%	4%	5%	5%	5%	7%	4%	5%	5%	5%	4%	4%
Wet		3%	3%	4%	4%	4%	3%	2%	2%	2%	2%	0%	2%
Above Norm		5%	5%	5%	5%	5%	2%	0%	2%	2%	2%	-1%	2%
Below Norm		3%	3%	3%	3%	3%	4%	0%	0%	0%	0%	0%	0%
Dry		6%	7%	7%	8%	7%	19%	12%	13%	14%	14%	13%	12%
Critical		4%	4%	5%	5%	5%	5%	5%	5%	6%	6%	5%	4%

Difference in Energy Use (GWh) At Pumping Plant at CVP San Luis: CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	1	0	0	0	0	0	0	0	0	0	0	2	0
1924	Critical	3	0	-5	4	13	0	0	0	0	0	0	13	2
1925	Dry	14	-1	4	-19	-77	-9	0	0	0	0	0	-1	-7
1926	Dry	0	0	0	-1	2	0	0	0	0	0	0	0	0
1927	Wet	2	2	0	0	-10	-5	0	0	0	0	0	0	-1
1928	Above Norma	0	0	0	0	-1	2	0	0	0	0	0	-3	0
1929	Critical	-2	-3	-3	-4	-3	0	0	0	0	0	0	-1	-1
1930	Dry	-1	-1	-2	-3	10	16	0	0	0	0	0	-3	1
1931	Critical	-1	1	2	1	32	-1	0	0	0	0	0	1	3
1932	Dry	2	7	3	-40	-4	0	0	0	0	0	0	0	-3
1933	Critical	0	0	8	0	0	0	0	0	0	0	0	5	1
1934	Critical	1	1	0	-7	0	0	0	0	0	0	0	0	0
1935	Below Norma	0	0	1	1	0	-15	0	0	0	0	0	1	-1
1936	Below Norma	1	1	1	1	-9	0	0	0	0	0	0	1	0
1937	Below Norma	1	2	1	-12	0	0	0	0	0	0	0	1	-1
1938	Wet	3	1	2	-12	0	0	0	0	0	0	0	0	-1
1939	Dry	-3	0	0	0	0	4	0	0	0	0	0	5	0
1940	Above Norma	3	-5	-2	-5	-7	0	0	0	0	0	0	1	-1
1941	Wet	0	1	1	1	-6	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	-6	0	0	0	0	0	-1	-1
1945	Below Norma	-2	-2	-3	-5	18	0	0	0	0	0	0	0	0
1946	Below Norma	0	0	0	0	0	11	0	0	0	0	0	0	1
1947	Dry	1	6	1	0	-1	-16	0	0	0	0	0	0	-1
1948	Below Norma	-1	1	0	-9	-2	-3	0	0	0	0	0	0	-1
1949	Dry	0	-1	-4	-1	-1	6	0	0	0	0	0	0	0
1950	Below Norma	-1	1	0	0	0	1	-2	0	0	0	0	-1	0
1951	Above Norma	17	0	-1	-15	0	0	0	0	0	0	0	0	0
1952	Wet	0	2	1	1	1	-7	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	-27	0	0	0	0	0	10	-1
1956	Wet	-7	-2	-3	-7	3	0	0	0	0	0	0	0	-1
1957	Above Norma	-2	0	0	2	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	1	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	5	16	35	15	12	3	0	0	0	0	0	-3	7
1961	Dry	-1	-2	5	-3	-4	-8	0	0	0	0	0	9	0
1962	Below Norma	5	14	2	-5	-2	0	0	0	0	0	0	0	1
1963	Wet	1	4	1	1	7	1	0	0	0	0	0	0	1
1964	Dry	0	1	0	-1	0	-6	0	0	0	0	0	-2	-1
1965	Wet	-2	-3	-4	-7	22	6	0	0	0	0	0	-1	1
1966	Below Norma	-2	-1	-3	-4	8	19	0	0	0	0	0	0	2
1967	Wet	0	3	0	-1	0	-6	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	-1	0
1969	Wet	2	0	0	0	0	-4	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	-1	0
1971	Wet	-1	-1	-1	-2	10	0	0	0	0	0	0	0	0
1972	Below Norma	0	1	0	0	-1	0	0	0	0	0	0	0	0
1973	Above Norma	0	0	0	0	0	-8	0	0	0	0	0	0	-1
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	7	13	29	3	46	0	0	0	0	-5	0	0	8
1978	Above Norma	-13	0	8	5	3	-35	0	0	0	0	0	0	-3
1979	Below Norma	0	-4	0	-1	0	1	0	0	0	0	0	-1	0
1980	Above Norma	-2	-5	-2	-3	26	0	0	0	0	0	0	0	1
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	3	1	0	0	0	-7	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	-1	0	0	0	22	0	0	0	0	0	-1	2
1986	Wet	-1	-1	-1	-1	-2	16	1	-6	0	0	0	-8	0
1987	Dry	-7	-6	-9	31	-1	34	0	0	0	0	0	9	4
1988	Critical	-6	1	0	-1	-1	0	0	0	0	0	0	0	-1
1989	Dry	0	-1	20	1	11	2	0	0	0	0	0	0	3
1990	Critical	1	2	-1	0	6	0	0	0	0	0	0	0	1
1991	Critical	0	0	-2	1	1	0	0	0	0	0	0	0	0
1992	Critical	-1	-2	0	0	-1	-1	0	0	0	0	0	0	-1
1993	Above Norma	0	3	-1	-1	-1	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	-1	0
1995	Wet	9	0	-6	-2	-2	-13	-9	0	0	0	0	-1	-2
1996	Wet	-2	-3	-3	-1	0	0	0	0	0	0	0	0	-1
1997	Wet	0	0	0	0	-3	0	0	0	0	0	0	2	0
1998	Wet	2	0	0	0	-7	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	-1	-1	0	0	0	0	0	0	0	0
2001	Dry	0	0	1	0	0	-4	0	0	0	0	0	0	0
2002	Dry	-2	1	-2	-4	10	-1	0	0	0	0	0	0	0
2003	Above Norma	8	8	7	1	-14	25	0	0	0	0	0	-1	3
Average		0	1	1	-1	1	0	0	0	0	0	0	0	0
Wet		0	0	-1	-1	0	-1	0	0	0	0	0	0	0
Above Norma		1	0	1	-1	0	-1	0	0	0	0	0	0	0
Below Norma		0	1	0	-2	1	1	0	0	0	0	0	0	0
Dry		0	1	3	-1	-2	1	0	0	0	0	0	1	0
Critical		0	1	2	0	8	0	0	0	0	0	0	1	1

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at CVP San Luis: CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norm	0%	0%	0%	0%	-1%	0%	0%	-	-	-	-	1%
1923	Below Norm	6%	0%	1%	1%	1%	-7%	-	-	-	-	-	20%
1924	Critical	12%	-1%	-14%	8%	-	-	-	-	-	-	-	-
1925	Dry	177%	-23%	5%	-23%	-99%	-69%	0%	-	-	-	-	-3%
1926	Dry	-1%	-1%	0%	-2%	3%	2%	2%	-	-	-	-	-
1927	Wet	91%	4%	0%	0%	-14%	-48%	-	-	-	-	-	0%
1928	Above Norm	0%	0%	0%	-1%	-1%	14%	-	-	-	-	-	-22%
1929	Critical	-12%	-9%	-5%	-8%	-9%	-	-	-	-	-	-	-21%
1930	Dry	-8%	-7%	-3%	-4%	18%	342%	-	-	-	-	-	-48%
1931	Critical	-11%	5%	7%	1%	-	-5%	-	-	-	-	-	12%
1932	Dry	14%	33%	4%	-48%	-79%	-	-	-	-	-	-	-1%
1933	Critical	-1%	0%	32%	5%	5%	-	-	-	-	-	-	46%
1934	Critical	4%	3%	0%	-22%	0%	-	-	-	-	-	-	-
1935	Below Norm	1%	2%	1%	2%	2%	-50%	0%	-	-	-	-	5%
1936	Below Norm	4%	3%	1%	2%	-65%	-1%	-2%	-	-	-	-	6%
1937	Below Norm	7%	6%	2%	-24%	-3%	3%	-1%	-1%	-	-	-	6%
1938	Wet	17%	2%	3%	-60%	-2%	0%	0%	0%	-	-	-	0%
1939	Dry	-10%	0%	0%	0%	-2%	45%	-	-	-	-	-	99%
1940	Above Norm	23%	-25%	-24%	-9%	-14%	0%	-	-	-	-	-	5%
1941	Wet	2%	2%	1%	2%	-12%	-1%	-1%	-	-	-	-	-1%
1942	Wet	0%	0%	0%	0%	0%	0%	0%	-	-	-	-	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	-	-	-	-	0%
1944	Dry	0%	0%	0%	0%	-1%	-12%	-	-	-	-	-	-7%
1945	Below Norm	-15%	-5%	-4%	-8%	41%	1%	-	-	-	-	-	-1%
1946	Below Norm	0%	0%	0%	0%	-	37%	-	-	-	-	-	-9%
1947	Dry	5%	16%	1%	0%	-2%	-78%	-	-	-	-	-	-4%
1948	Below Norm	-10%	4%	1%	-21%	-4%	-10%	-24%	-	-	-	-	-2%
1949	Dry	0%	-4%	-7%	-1%	-2%	23%	-	-	-	-	-	0%
1950	Below Norm	-7%	3%	1%	0%	0%	5%	-47%	-	-	-	-	-6%
1951	Above Norm	244%	0%	-2%	-82%	5%	0%	-	-	-	-	-	1%
1952	Wet	2%	5%	1%	2%	2%	-16%	0%	0%	-	-	-	0%
1953	Wet	0%	0%	0%	0%	0%	-	-	-	-	-	-	1%
1954	Above Norm	2%	0%	0%	0%	0%	0%	-	-	-	-	-	0%
1955	Dry	0%	1%	0%	0%	0%	-100%	-	-	-	-	-	385%
1956	Wet	-62%	-5%	-5%	-9%	6%	0%	-	-	-	-	-	0%
1957	Above Norm	-6%	0%	0%	7%	0%	0%	-	-	-	-	-	-1%
1958	Wet	1%	0%	0%	0%	0%	2%	0%	-	-	-	-	0%
1959	Below Norm	0%	0%	0%	0%	0%	0%	-	-	-	-	-	8%
1960	Dry	191%	82%	305%	42%	35%	6%	-	-	-	-	-	-23%
1961	Dry	-9%	-4%	11%	-5%	-6%	-100%	-	-	-	-	-	684%
1962	Below Norm	-	95%	4%	-10%	-4%	-1%	-	-	-	-	-	3%
1963	Wet	3%	10%	2%	1%	14%	15%	-	-	-	-	-	1%
1964	Dry	1%	2%	0%	-1%	-2%	-29%	-	-	-	-	-	-14%
1965	Wet	-19%	-8%	-6%	-10%	54%	132%	-	-	-	-	-	-9%
1966	Below Norm	-8%	-3%	-4%	-6%	23%	329%	-	-	-	-	-	0%
1967	Wet	-1%	11%	0%	-1%	-1%	-13%	0%	-	-	-	-	1%
1968	Below Norm	1%	0%	0%	0%	0%	0%	-	-	-	-	-	-43%
1969	Wet	15%	0%	0%	-1%	-1%	-15%	0%	0%	-	-	-	0%
1970	Wet	1%	1%	0%	0%	0%	8%	-	-	-	-	-	-9%
1971	Wet	-3%	-1%	-2%	-4%	36%	1%	-	-	-	-	-	0%
1972	Below Norm	1%	1%	0%	-1%	-1%	-2%	-	-	-	-	-	1%
1973	Above Norm	-2%	0%	0%	0%	1%	-18%	-	-	-	-	-	0%
1974	Wet	-1%	0%	0%	0%	0%	0%	0%	-	-	-	-	0%
1975	Wet	0%	0%	0%	0%	0%	0%	-	-	-	-	-	0%
1976	Critical	0%	0%	0%	0%	0%	0%	-	-	-	-	-	-
1977	Critical	125%	51%	718%	9%	-	-	-	-	-	-100%	-	-1%
1978	Above Norm	-100%	-2%	20%	7%	3%	-73%	0%	-	-	-	-	-1%
1979	Below Norm	-2%	-8%	-1%	-1%	-1%	10%	-	-	-	-	-	-11%
1980	Above Norm	-8%	-11%	-4%	-5%	106%	0%	0%	-	-	-	-	0%
1981	Dry	0%	0%	0%	-1%	-1%	0%	-	-	-	-	-	0%
1982	Wet	132%	2%	0%	0%	0%	-13%	0%	0%	-	-	-	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	-	-	-	0%
1984	Wet	0%	0%	0%	0%	0%	0%	-	-	-	-	-	0%
1985	Dry	0%	-2%	0%	0%	0%	132%	-	-	-	-	-	-7%
1986	Wet	-3%	-3%	-1%	-3%	-4%	262%	15%	-100%	-	-	-	-47%
1987	Dry	-24%	-12%	-15%	185%	-52%	780%	-	-	-	-	-	445%
1988	Critical	-32%	3%	0%	-1%	-100%	-	-	-	-	-	-	-10%
1989	Dry	-2%	-6%	83%	1%	-	4%	-	-	-	-	-	0%
1990	Critical	11%	5%	-3%	0%	46%	0%	-	-	-	-	-	-
1991	Critical	-1%	-1%	-7%	7%	9%	0%	-	-	-	-	-	-5%
1992	Critical	-7%	-8%	-1%	-2%	-2%	-8%	-	-	-	-	-	-3%
1993	Above Norm	-2%	33%	-4%	-1%	-1%	0%	0%	-	-	-	-	0%
1994	Critical	0%	0%	0%	0%	-2%	0%	-	-	-	-	-	-8%
1995	Wet	-	-1%	-14%	-3%	-4%	-20%	-56%	-4%	-	-	-	-5%
1996	Wet	-5%	-5%	-4%	-2%	0%	0%	-	-	-	-	-	0%
1997	Wet	1%	0%	0%	0%	-5%	0%	-	-	-	-	-	23%
1998	Wet	15%	0%	0%	0%	-14%	0%	0%	-	-	-	-	0%
1999	Wet	0%	0%	0%	0%	0%	0%	-	-	-	-	-	0%
2000	Above Norm	-1%	0%	0%	-1%	-2%	0%	-	-	-	-	-	0%
2001	Dry	0%	-1%	1%	0%	0%	-7%	-	-	-	-	-	-
2002	Dry	-12%	3%	-4%	-7%	-	-3%	-	-	-	-	-	-5%
2003	Above Norm	81%	29%	14%	2%	-53%	551%	-	-	-	-	-	-9%
Average		10%	3%	13%	-1%	-2%	27%	-5%	-13%	#DIV/0!	-100%	#DIV/0!	19%
Wet		7%	1%	-1%	-3%	2%	11%	-2%	-4%	0%	0%	0%	-2%
Above Norm		19%	2%	0%	-7%	4%	39%	0%	0%	0%	0%	0%	-2%
Below Norm		-2%	7%	0%	-5%	-1%	22%	-5%	0%	0%	0%	0%	-2%
Dry		18%	4%	21%	8%	-10%	52%	0%	0%	0%	0%	0%	84%
Critical		7%	4%	60%	0%	-4%	-1%	0%	0%	0%	-8%	0%	1%

Energy Use (GWh) At Pumping Plant at DMC Intertie: CONV_NA

Year Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922 Above Normal	0.55	0.85	0.97	0.96	0.81	0.00	0.00	0.00	0.00	0.03	0.15	0.31	5
1923 Below Normal	0.63	0.87	0.98	0.97	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.34	4
1924 Critical	0.67	0.88	0.00	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3
1925 Dry	0.00	0.00	1.02	1.01	0.89	0.00	0.00	0.00	0.00	0.00	0.00	0.50	3
1926 Dry	0.00	0.00	0.00	0.99	0.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1
1927 Wet	0.00	0.95	1.01	1.00	0.88	0.00	0.00	0.00	0.00	0.00	0.00	0.34	4
1928 Above Normal	0.68	0.88	0.98	0.97	0.87	0.00	0.00	0.00	0.00	0.00	0.22	0.35	5
1929 Critical	0.69	0.89	0.99	0.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4
1930 Dry	0.00	0.00	1.01	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2
1931 Critical	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1
1932 Dry	0.00	0.00	1.02	1.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.82	3
1933 Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1934 Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1935 Below Normal	0.00	0.00	0.00	1.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.61	2
1936 Below Normal	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.46	1
1937 Below Normal	0.00	0.00	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.59	2
1938 Wet	0.00	0.93	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.28	2
1939 Dry	0.89	0.85	0.97	0.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4
1940 Above Normal	0.00	0.00	0.00	0.98	0.89	0.85	0.00	0.00	0.00	0.00	0.24	0.36	3
1941 Wet	0.72	0.90	0.99	0.98	0.00	0.00	0.00	0.00	0.00	0.02	0.14	0.31	4
1942 Wet	0.62	0.87	0.98	0.97	0.00	0.00	0.00	0.00	0.00	0.05	0.17	0.32	4
1943 Wet	0.64	0.87	0.98	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.29	4
1944 Dry	0.59	0.86	0.98	0.96	0.85	0.87	0.00	0.00	0.00	0.00	0.00	0.00	5
1945 Below Normal	0.00	0.92	1.00	0.99	0.00	0.00	0.00	0.00	0.00	0.08	0.19	0.33	4
1946 Below Normal	0.66	0.88	0.98	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00	4
1947 Dry	0.72	0.90	0.99	0.98	0.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4
1948 Below Normal	0.00	0.46	0.00	0.00	0.89	0.00	0.00	0.00	0.00	0.12	0.00	0.35	2
1949 Dry	0.55	0.00	0.99	0.98	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.35	3
1950 Below Normal	0.00	0.71	0.77	0.98	0.84	0.00	0.00	0.00	0.00	0.00	0.34	0.56	4
1951 Above Normal	0.00	0.93	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.33	2
1952 Wet	0.66	0.88	0.98	0.97	0.87	0.00	0.00	0.00	0.00	0.00	0.07	0.28	5
1953 Wet	0.55	0.85	0.97	0.96	0.22	0.00	0.00	0.00	0.00	0.11	0.21	0.34	4
1954 Above Normal	0.69	0.89	0.99	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.34	4
1955 Dry	0.68	0.88	0.98	0.97	0.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4
1956 Wet	0.00	0.76	1.00	0.99	0.00	0.00	0.00	0.00	0.00	0.09	0.19	0.34	3
1957 Above Normal	0.92	0.88	0.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.33	3
1958 Wet	0.66	0.88	0.98	0.97	0.83	0.00	0.00	0.00	0.00	0.00	0.07	0.28	5
1959 Below Normal	0.55	0.85	0.97	0.96	0.81	0.00	0.00	0.00	0.00	0.11	0.00	0.00	4
1960 Dry	0.00	0.00	0.00	0.00	0.00	0.55	0.00	0.00	0.00	0.00	0.00	0.00	1
1961 Dry	0.00	0.95	0.00	1.00	0.87	0.00	0.00	0.00	0.00	0.00	0.24	0.00	3
1962 Below Normal	0.00	0.00	0.00	0.98	0.84	0.85	0.00	0.00	0.00	0.15	0.24	0.21	3
1963 Wet	0.72	0.90	0.99	0.98	0.03	0.00	0.00	0.00	0.00	0.00	0.17	0.33	4
1964 Dry	0.65	0.88	0.98	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.39	4
1965 Wet	0.00	0.92	1.00	0.99	0.00	0.00	0.00	0.00	0.00	0.09	0.19	0.34	4
1966 Below Normal	0.67	0.88	0.98	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.34	4
1967 Wet	0.68	0.00	0.98	0.97	0.84	0.00	0.00	0.00	0.00	0.00	0.07	0.28	4
1968 Below Normal	0.55	0.85	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.00	3
1969 Wet	0.00	0.89	0.98	0.97	0.84	0.00	0.00	0.00	0.00	0.00	0.07	0.28	4
1970 Wet	0.55	0.85	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.34	3
1971 Wet	0.69	0.89	0.99	0.97	0.00	0.83	0.00	0.00	0.00	0.00	0.21	0.35	5
1972 Below Normal	0.69	0.89	0.99	0.97	0.39	0.00	0.00	0.00	0.00	0.00	0.22	0.35	4
1973 Above Normal	0.70	0.89	0.99	0.98	0.84	0.14	0.00	0.00	0.00	0.09	0.19	0.34	5
1974 Wet	0.67	0.88	0.98	0.97	0.84	0.00	0.00	0.00	0.00	0.02	0.14	0.31	5
1975 Wet	0.62	0.87	0.98	0.97	0.83	0.00	0.00	0.00	0.00	0.00	0.20	0.34	5
1976 Critical	0.68	0.88	0.98	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4
1977 Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1978 Above Normal	0.00	0.00	0.00	1.01	0.89	0.00	0.00	0.00	0.00	0.00	0.07	0.28	2
1979 Above Normal	0.55	0.85	0.97	0.96	0.81	0.00	0.00	0.00	0.00	0.10	0.00	0.34	5
1980 Above Normal	0.68	0.89	0.98	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.30	4
1981 Dry	0.60	0.86	0.98	0.96	0.82	0.00	0.00	0.00	0.00	0.07	0.18	0.33	5
1982 Wet	0.00	0.88	0.98	0.97	0.83	0.00	0.00	0.00	0.00	0.00	0.07	0.28	4
1983 Wet	0.55	0.85	0.97	0.96	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.28	4
1984 Wet	0.55	0.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.34	2
1985 Dry	0.69	0.89	0.99	0.97	0.78	0.00	0.00	0.00	0.00	0.12	0.21	0.35	5
1986 Wet	0.28	0.89	0.99	0.98	0.84	0.00	0.00	0.00	0.00	0.00	0.24	0.36	5
1987 Dry	0.72	0.90	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3
1988 Critical	0.00	0.87	1.00	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3
1989 Dry	0.00	0.00	0.00	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	2
1990 Critical	0.00	0.93	0.00	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2
1991 Critical	0.00	0.00	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.00	0.00	0.00	1
1992 Critical	0.00	0.00	0.00	0.00	0.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1
1993 Above Normal	0.00	0.00	0.00	0.99	0.86	0.85	0.00	0.00	0.00	0.12	0.00	0.35	3
1994 Critical	0.69	0.89	0.99	0.98	0.00	0.00	0.00	0.00	0.00	0.05	0.16	0.32	4
1995 Wet	0.00	0.00	0.98	0.97	0.83	0.77	0.00	0.00	0.00	0.00	0.07	0.28	4
1996 Wet	0.55	0.85	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.15	0.31	3
1997 Wet	0.63	0.87	0.98	0.97	0.82	0.00	0.00	0.00	0.00	0.00	0.21	0.00	4
1998 Wet	0.00	0.89	0.99	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.28	3
1999 Wet	0.55	0.85	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.34	3
2000 Above Normal	0.68	0.88	0.98	0.97	0.87	0.00	0.00	0.00	0.00	0.00	0.18	0.33	5
2001 Dry	0.65	0.88	0.08	0.97	0.83	0.91	0.00	0.00	0.00	0.00	0.00	0.00	4
2002 Dry	0.00	0.00	1.00	0.99	0.00	0.85	0.00	0.00	0.00	0.11	0.00	0.35	3
2003 Above Normal	0.00	0.00	0.99	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.36	3
Average	0	1	1	1	0	0	0	0	0	0	0	0	3
Wet	0	1	1	1	0	0	0	0	0	0	0	0	4
Above Normal	0	1	1	1	1	0	0	0	0	0	0	0	4
Below Normal	0	1	1	1	0	0	0	0	0	0	0	0	3
Dry	0	0	1	1	0	0	0	0	0	0	0	0	3
Critical	0	0	0	1	0	0	0	0	0	0	0	0	2

Shasta Lake Water Resource Investigation
Socioeconomic Appendix - Power and Energy Technical Report

Energy Use (GWh) At Pumping Plant at DMC Intertie: CP3_2020

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	0.55	0.85	0.97	0.96	0.81	0.00	0.00	0.00	0.00	0.03	0.15	0.31	5
1923	Below Normal	0.63	0.87	0.98	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.36	4
1924	Critical	0.72	0.00	0.00	0.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2
1925	Dry	0.00	0.00	1.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.48	1
1926	Dry	0.00	0.00	0.00	0.99	0.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2
1927	Wet	0.00	0.95	1.01	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.34	3
1928	Above Normal	0.68	0.88	0.98	0.97	0.87	0.00	0.00	0.00	0.00	0.00	0.16	0.32	5
1929	Critical	0.63	0.87	0.98	0.97	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4
1930	Dry	0.00	0.00	1.01	1.00	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2
1931	Critical	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1
1932	Dry	0.00	0.00	1.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.80	2
1933	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1934	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1935	Below Normal	0.00	0.00	0.00	1.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.63	2
1936	Below Normal	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.49	1
1937	Below Normal	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.62	2
1938	Wet	0.00	0.94	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.28	2
1939	Dry	0.55	0.85	0.97	0.96	0.00	0.00	0.00	0.00	0.00	0.11	0.08	0.34	4
1940	Above Normal	0.00	0.00	0.00	0.97	0.87	0.86	0.00	0.00	0.00	0.00	0.26	0.38	3
1941	Wet	0.74	0.90	0.99	0.98	0.00	0.00	0.00	0.00	0.00	0.02	0.14	0.31	4
1942	Wet	0.62	0.87	0.98	0.97	0.00	0.00	0.00	0.00	0.00	0.05	0.17	0.32	4
1943	Wet	0.64	0.87	0.98	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.29	4
1944	Dry	0.59	0.86	0.98	0.96	0.85	0.83	0.00	0.00	0.00	0.00	0.00	0.05	5
1945	Below Normal	0.00	0.90	0.99	0.98	0.69	0.00	0.00	0.00	0.00	0.08	0.19	0.33	4
1946	Below Normal	0.66	0.88	0.98	0.97	0.00	0.48	0.00	0.00	0.00	0.13	0.22	0.00	4
1947	Dry	0.70	0.89	0.99	0.98	0.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4
1948	Below Normal	0.00	0.57	0.00	0.00	0.88	0.00	0.00	0.00	0.00	0.11	0.21	0.35	2
1949	Dry	0.69	0.00	0.99	0.97	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.35	3
1950	Below Normal	0.00	0.87	0.85	0.98	0.84	0.00	0.00	0.00	0.00	0.00	0.32	0.52	4
1951	Above Normal	0.00	0.92	0.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.33	2
1952	Wet	0.66	0.88	0.98	0.97	0.87	0.00	0.00	0.00	0.00	0.00	0.07	0.28	5
1953	Wet	0.55	0.85	0.97	0.96	0.21	0.00	0.00	0.00	0.00	0.11	0.21	0.34	4
1954	Above Normal	0.69	0.89	0.99	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.34	4
1955	Dry	0.68	0.88	0.98	0.97	0.84	0.00	0.00	0.00	0.00	0.19	0.00	0.38	5
1956	Wet	0.00	0.91	0.99	0.98	0.00	0.00	0.00	0.00	0.00	0.09	0.19	0.34	3
1957	Above Normal	0.67	0.88	0.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.33	3
1958	Wet	0.66	0.88	0.98	0.97	0.83	0.00	0.00	0.00	0.00	0.00	0.07	0.28	5
1959	Below Normal	0.55	0.85	0.97	0.96	0.81	0.00	0.00	0.00	0.00	0.11	0.00	0.00	4
1960	Dry	0.00	0.89	0.00	0.91	0.87	0.55	0.00	0.00	0.00	0.00	0.00	0.00	3
1961	Dry	0.00	0.94	0.00	0.99	0.87	0.00	0.00	0.00	0.00	0.12	0.22	0.35	3
1962	Below Normal	0.00	0.03	0.00	0.24	0.84	0.84	0.00	0.00	0.00	0.00	0.22	0.35	3
1963	Wet	0.70	0.89	0.99	0.98	0.84	0.00	0.00	0.00	0.00	0.00	0.17	0.33	5
1964	Dry	0.65	0.88	0.98	0.97	0.00	0.00	0.00	0.00	0.00	0.16	0.25	0.37	4
1965	Wet	0.00	0.90	0.99	0.98	0.85	0.00	0.00	0.00	0.00	0.06	0.17	0.33	4
1966	Below Normal	0.65	0.88	0.98	0.97	0.83	0.00	0.00	0.00	0.00	0.00	0.20	0.34	5
1967	Wet	0.68	0.00	0.98	0.97	0.84	0.00	0.00	0.00	0.00	0.00	0.07	0.28	4
1968	Below Normal	0.55	0.85	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.20	0.00	3
1969	Wet	0.00	0.89	0.98	0.97	0.84	0.00	0.00	0.00	0.00	0.00	0.07	0.28	4
1970	Wet	0.55	0.85	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.33	3
1971	Wet	0.66	0.88	0.98	0.97	0.57	0.83	0.00	0.00	0.00	0.00	0.21	0.35	5
1972	Below Normal	0.69	0.89	0.99	0.97	0.41	0.00	0.00	0.00	0.00	0.00	0.22	0.35	5
1973	Above Normal	0.54	0.89	0.99	0.98	0.84	0.00	0.00	0.00	0.00	0.09	0.19	0.34	5
1974	Wet	0.67	0.88	0.98	0.97	0.84	0.00	0.00	0.00	0.00	0.02	0.14	0.31	5
1975	Wet	0.62	0.87	0.98	0.97	0.83	0.00	0.00	0.00	0.00	0.10	0.20	0.34	5
1976	Critical	0.68	0.88	0.98	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4
1977	Critical	0.00	0.94	0.00	0.00	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1
1978	Above Normal	0.00	0.00	0.00	1.01	0.89	0.00	0.00	0.00	0.00	0.00	0.07	0.28	2
1979	Below Normal	0.55	0.85	0.97	0.96	0.81	0.00	0.00	0.00	0.00	0.07	0.18	0.33	5
1980	Above Normal	0.65	0.88	0.98	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.30	4
1981	Dry	0.60	0.86	0.98	0.96	0.82	0.00	0.00	0.00	0.00	0.07	0.18	0.33	5
1982	Wet	0.00	0.88	0.98	0.97	0.83	0.00	0.00	0.00	0.00	0.00	0.07	0.28	4
1983	Wet	0.55	0.85	0.97	0.96	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.28	4
1984	Wet	0.55	0.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.34	2
1985	Dry	0.69	0.89	0.99	0.97	0.78	0.08	0.00	0.00	0.00	0.09	0.19	0.34	5
1986	Wet	0.27	0.86	0.98	0.97	0.84	0.00	0.00	0.00	0.00	0.00	0.12	0.30	4
1987	Dry	0.60	0.86	0.98	0.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	3
1988	Critical	0.00	0.88	0.99	0.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3
1989	Dry	0.00	0.00	0.00	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	2
1990	Critical	0.00	0.92	0.00	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2
1991	Critical	0.00	0.00	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.00	0.00	0.00	1
1992	Critical	0.00	0.00	0.00	0.00	0.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1
1993	Above Normal	0.00	0.00	0.00	0.99	0.86	0.85	0.00	0.00	0.00	0.12	0.00	0.35	3
1994	Critical	0.69	0.89	0.99	0.98	0.00	0.00	0.00	0.00	0.00	0.05	0.16	0.00	4
1995	Wet	0.00	0.00	0.36	0.97	0.83	0.00	0.00	0.00	0.00	0.00	0.07	0.28	3
1996	Wet	0.55	0.85	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.15	0.31	3
1997	Wet	0.63	0.87	0.98	0.97	0.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4
1998	Wet	0.00	0.89	0.99	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.28	3
1999	Wet	0.55	0.85	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.34	3
2000	Above Normal	0.68	0.88	0.98	0.97	0.87	0.00	0.00	0.00	0.00	0.00	0.18	0.33	5
2001	Dry	0.65	0.88	0.17	0.97	0.83	0.88	0.00	0.00	0.00	0.00	0.00	0.00	4
2002	Dry	0.00	0.10	0.99	0.98	0.00	0.83	0.00	0.00	0.00	0.09	0.20	0.34	4
2003	Above Normal	0.68	0.88	0.98	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.35	4
Average		0	1	1	1	0	0	0	0	0	0	0	0	3
Wet		0	1	1	1	0	0	0	0	0	0	0	0	4
Above Normal		0	1	1	1	1	0	0	0	0	0	0	0	4
Below Normal		0	1	1	1	0	0	0	0	0	0	0	0	3
Dry		0	1	1	1	0	0	0	0	0	0	0	0	3
Critical		0	0	0	1	0	0	0	0	0	0	0	0	2

Difference in Energy Use (GWh) At Pumping Plant at DMC Intertie: CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	-1	0	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	-1	-1	0	0	0	0	0	0	0	0
1926	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1927	Wet	0	0	0	0	-1	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1932	Dry	0	0	0	-1	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1935	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1940	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1945	Below Norma	0	0	0	0	1	0	0	0	0	0	0	0	0
1946	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1947	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1948	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1949	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1951	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	1	0	1	1	0	0	0	0	0	0	0	0
1961	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Norma	0	0	0	-1	0	0	0	0	0	0	0	0	0
1963	Wet	0	0	0	0	1	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1965	Wet	0	0	0	0	1	0	0	0	0	0	0	0	0
1966	Below Norma	0	0	0	0	1	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	1	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	1	0	0	0	0	0	0	0	0	0	0	0
1978	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	Dry	0	0	0	1	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	0	0	-1	0	0	-1	0	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	Above Norma	1	1	0	0	0	0	0	0	0	0	0	0	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Below Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Dry		0	0	0	0	0	0	0	0	0	0	0	0	0
Critical		0	0	0	0	0	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at DMC Intertie: CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norm	0%	0%	0%	0%	0%	-	-	-	-	0%	0%	0%
1923	Below Norm	0%	0%	0%	0%	-	-	-	-	-	-100%	-	8%
1924	Critical	8%	-100%	-	1%	-	-	-	-	-	-	-	-
1925	Dry	-	-	0%	-100%	-100%	-	-	-	-	-	-	-4%
1926	Dry	-	-	-	0%	68%	-	-	-	-	-	-	-
1927	Wet	-	-1%	0%	0%	-100%	-	-	-	-	34691090%	0%	0%
1928	Above Norm	0%	0%	0%	0%	0%	-	-	-	-	-	-28%	-9%
1929	Critical	-9%	-2%	-1%	-1%	-	-	-	-	-	-	-	-
1930	Dry	-	-	0%	0%	-	-	-	-	-	-	-	-
1931	Critical	-	-	-	0%	-	-	-	-	-	-	-	-
1932	Dry	-	-	0%	-100%	-	-	-	-	-	-	-	-2%
1933	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1934	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1935	Below Norm	-	-	-	0%	-	-	-	-	-	-	-	4%
1936	Below Norm	-	-	-	0%	-	-	-	-	-	-	-	7%
1937	Below Norm	-	-	0%	-	-	-	-	-	-	-	-	5%
1938	Wet	-	0%	0%	-	-	-	-	-	-	-	0%	0%
1939	Dry	-38%	0%	0%	0%	-	-	-	-	-	-	-	-
1940	Above Norm	-	-	-	-1%	-2%	1%	-	-	-	-	8%	6%
1941	Wet	3%	1%	0%	0%	-	-	-	-	-	0%	0%	0%
1942	Wet	0%	0%	0%	0%	-	-	-	-	-	0%	0%	0%
1943	Wet	0%	0%	0%	0%	-	-	-	-	-	0%	0%	0%
1944	Dry	0%	0%	0%	0%	0%	-5%	-	-	-	-	-	-
1945	Below Norm	-	-2%	-1%	-1%	-	-	-	-	-	0%	0%	0%
1946	Below Norm	0%	0%	0%	0%	-	-	-	-	-	-	-5%	-
1947	Dry	-2%	0%	0%	0%	-5%	-	-	-	-	-	-	-
1948	Below Norm	-	23%	-	-	0%	-	-	-	-	-5%	-	-1%
1949	Dry	25%	-	0%	0%	-	-	-	-	-	0%	-	0%
1950	Below Norm	-	22%	11%	0%	0%	-	-	-	-	-	-6%	-8%
1951	Above Norm	-	-1%	-19%	-	-	-	-	-	-	-	0%	0%
1952	Wet	0%	0%	0%	0%	0%	-	-	-	-	-	0%	0%
1953	Wet	0%	0%	0%	0%	-1%	-	-	-	-	0%	0%	0%
1954	Above Norm	0%	0%	0%	0%	-	-	-	-	-	0%	0%	0%
1955	Dry	0%	0%	0%	0%	0%	-	-	-	-	-	-	-
1956	Wet	-	20%	-1%	-1%	-	-	-	-	-	0%	0%	0%
1957	Above Norm	-27%	0%	0%	-	-	-	-	-	-	-	0%	0%
1958	Wet	0%	0%	0%	0%	0%	-	-	-	-	-	0%	0%
1959	Below Norm	0%	0%	0%	0%	0%	-	-	-	-	0%	-	-
1960	Dry	-	-	-	-	-	1%	-	-	-	-	-	-
1961	Dry	-	-1%	-	0%	0%	-	-	-	-	-	-9%	-
1962	Below Norm	-	-	-100%	-75%	0%	-1%	-	-	-	-100%	-7%	69%
1963	Wet	-2%	-1%	0%	0%	2539%	-	-	-	-	-	0%	0%
1964	Dry	0%	0%	0%	0%	-	-	-	-	-	-	-	-6%
1965	Wet	-	-3%	-1%	-1%	-	-	-	-	-	-31%	-11%	-3%
1966	Below Norm	-3%	-1%	0%	0%	-	-	-	-	-	-	0%	0%
1967	Wet	0%	-	0%	0%	0%	-	-	-	-	-	0%	0%
1968	Below Norm	0%	0%	0%	-	-	-	-	-	-	-	0%	-
1969	Wet	-	0%	0%	0%	0%	-	-	-	-	-	0%	0%
1970	Wet	0%	0%	0%	-	-	-	-	-	-	-	-14%	-4%
1971	Wet	-4%	-1%	0%	0%	-	0%	-	-	-	-	0%	0%
1972	Below Norm	0%	0%	0%	0%	5%	-	-	-	-	-	0%	0%
1973	Above Norm	-22%	0%	0%	0%	0%	-100%	-	-	-	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	-	-	-	-	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	-	-	-	-	0%	0%	0%
1976	Critical	0%	0%	0%	0%	-	-	-	-	-	-	-	-
1977	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1978	Above Norm	-	-	-	0%	0%	-	-	-	-	-	0%	0%
1979	Below Norm	0%	0%	0%	0%	0%	-	-	-	-	-34%	-	-4%
1980	Above Norm	-4%	-1%	0%	0%	-	-	-	-	-	-	0%	0%
1981	Dry	0%	0%	0%	0%	0%	-	-	-	-	0%	0%	0%
1982	Wet	-	0%	0%	0%	0%	-	-	-	-	-	0%	0%
1983	Wet	0%	0%	0%	0%	-	-	-	-	-	-	0%	0%
1984	Wet	0%	0%	-	-	-	-	-	-	-	-	0%	0%
1985	Dry	0%	0%	0%	0%	0%	-	-	-	-	-25%	-10%	-3%
1986	Wet	-2%	-3%	0%	0%	0%	-	-	-	-	-	-50%	-17%
1987	Dry	-17%	-4%	-1%	-	-	-	-	-	-	-	-	-
1988	Critical	-	1%	0%	0%	-	-	-	-	-	-	-	-
1989	Dry	-	-	-	0%	-	0%	-	-	-	-	-	-
1990	Critical	-	-1%	-	0%	-	-	-	-	-	-	-	-
1991	Critical	-	-	-	-	-	0%	-	-	-	-	-	-
1992	Critical	-	-	-	-	0%	-	-	-	-	-	-	-
1993	Above Norm	-	-	-	0%	0%	0%	-	-	-	-1%	-	0%
1994	Critical	0%	0%	0%	0%	-	-	-	-	-	0%	0%	-99%
1995	Wet	-	-	-63%	0%	0%	-100%	-	-	-	-	0%	0%
1996	Wet	0%	0%	0%	-	-	-	-	-	-	0%	0%	0%
1997	Wet	0%	0%	0%	0%	-44%	-	-	-	-	-	-100%	-
1998	Wet	-	0%	0%	0%	-	-	-	-	-	-	0%	0%
1999	Wet	0%	0%	0%	-	-	-	-	-	-	-	0%	0%
2000	Above Norm	0%	0%	0%	0%	0%	-	-	-	-	-	0%	0%
2001	Dry	0%	0%	111%	0%	0%	-3%	-	-	-	-	-	-
2002	Dry	-	-	-1%	-1%	-	-1%	-	-	-	-16%	-	-2%
2003	Above Norm	-	-	0%	0%	-	-	-	-	-	-	-13%	-5%
Average		-2%	-1%	-1%	-4%	66%	-17%	#DIV/0!	#DIV/0!	#DIV/0!	-15%	722726%	-1%
Wet		0%	0%	-3%	0%	92%	-4%	0%	0%	0%	-1%	1334266%	-1%
Above Norm		-4%	0%	-2%	0%	0%	-8%	0%	0%	0%	0%	-3%	-1%
Below Norm		0%	3%	-6%	-5%	0%	0%	0%	0%	0%	-17%	-1%	6%
Dry		-2%	0%	6%	-11%	-2%	0%	0%	0%	0%	-2%	-1%	-1%
Critical		0%	-8%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-8%

Energy Use (GWh) At Pumping Plant at DMC Other: CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	0.07	0.03	0.02	0.01	0.02	0.02	0.01	0.02	0.06	0.10	0.10	0.08	1
1923	Below Normal	0.07	0.03	0.02	0.01	0.03	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1924	Critical	0.07	0.03	0.01	0.01	0.02	0.03	0.04	0.05	0.07	0.07	0.07	0.06	1
1925	Dry	0.05	0.02	0.01	0.01	0.01	0.04	0.05	0.07	0.09	0.10	0.09	0.08	1
1926	Dry	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.06	0.09	0.09	0.09	0.07	1
1927	Wet	0.06	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1928	Above Normal	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1929	Critical	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.09	0.09	0.09	0.07	1
1930	Dry	0.06	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.09	0.09	0.09	0.07	1
1931	Critical	0.06	0.03	0.01	0.01	0.02	0.03	0.04	0.05	0.07	0.07	0.07	0.06	1
1932	Dry	0.05	0.02	0.01	0.01	0.01	0.03	0.04	0.05	0.07	0.07	0.07	0.06	0
1933	Critical	0.05	0.02	0.01	0.01	0.02	0.03	0.04	0.05	0.07	0.07	0.07	0.06	0
1934	Critical	0.05	0.02	0.01	0.01	0.01	0.03	0.04	0.05	0.07	0.07	0.07	0.06	0
1935	Below Normal	0.05	0.02	0.01	0.01	0.01	0.04	0.05	0.07	0.08	0.09	0.09	0.07	1
1936	Below Normal	0.07	0.03	0.01	0.01	0.00	0.04	0.01	0.03	0.09	0.10	0.10	0.08	1
1937	Below Normal	0.07	0.03	0.01	0.00	0.01	0.01	0.01	0.02	0.08	0.09	0.09	0.08	0
1938	Wet	0.07	0.03	0.01	0.00	0.00	0.01	0.01	0.02	0.03	0.07	0.10	0.08	0
1939	Dry	0.07	0.03	0.02	0.01	0.03	0.04	0.05	0.07	0.09	0.10	0.10	0.08	1
1940	Above Normal	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.06	0.09	0.10	0.10	0.08	1
1941	Wet	0.07	0.03	0.01	0.00	0.01	0.03	0.01	0.03	0.06	0.10	0.10	0.08	1
1942	Wet	0.07	0.03	0.01	0.00	0.01	0.04	0.05	0.06	0.05	0.10	0.10	0.08	1
1943	Wet	0.07	0.03	0.02	0.00	0.02	0.01	0.01	0.02	0.09	0.10	0.10	0.08	1
1944	Dry	0.07	0.03	0.02	0.01	0.03	0.04	0.05	0.07	0.09	0.10	0.09	0.08	1
1945	Below Normal	0.07	0.03	0.01	0.01	0.01	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1946	Below Normal	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.06	0.09	0.10	0.10	0.08	1
1947	Dry	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.09	0.10	0.10	0.08	1
1948	Below Normal	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1949	Dry	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1950	Below Normal	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.09	0.09	0.09	0.08	1
1951	Above Normal	0.07	0.03	0.01	0.00	0.01	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1952	Wet	0.07	0.03	0.02	0.01	0.01	0.01	0.01	0.02	0.03	0.09	0.10	0.08	0
1953	Wet	0.07	0.03	0.02	0.01	0.03	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1954	Above Normal	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1955	Dry	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.09	0.09	0.09	0.08	1
1956	Wet	0.07	0.03	0.01	0.00	0.01	0.01	0.03	0.03	0.06	0.10	0.10	0.08	1
1957	Above Normal	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1958	Wet	0.07	0.03	0.02	0.01	0.02	0.01	0.01	0.02	0.03	0.11	0.10	0.08	1
1959	Below Normal	0.07	0.03	0.02	0.01	0.03	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1960	Dry	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.09	0.09	0.09	0.07	1
1961	Dry	0.06	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.09	0.10	0.10	0.08	1
1962	Below Normal	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.09	0.10	0.10	0.08	1
1963	Wet	0.07	0.03	0.01	0.01	0.01	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1964	Dry	0.07	0.03	0.02	0.01	0.02	0.04	0.05	0.07	0.09	0.10	0.09	0.08	1
1965	Wet	0.07	0.03	0.01	0.00	0.01	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1966	Below Normal	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1967	Wet	0.07	0.03	0.01	0.01	0.02	0.01	0.01	0.02	0.03	0.02	0.10	0.08	0
1968	Below Normal	0.07	0.02	0.02	0.01	0.03	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1969	Wet	0.07	0.03	0.01	0.00	0.01	0.01	0.01	0.02	0.03	0.02	0.10	0.08	0
1970	Wet	0.07	0.03	0.02	0.00	0.01	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1971	Wet	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1972	Below Normal	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1973	Above Normal	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.04	0.08	0.10	0.10	0.08	1
1974	Wet	0.07	0.03	0.01	0.00	0.02	0.04	0.04	0.04	0.07	0.10	0.10	0.08	1
1975	Wet	0.07	0.03	0.02	0.01	0.03	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1976	Critical	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.09	0.09	0.09	0.07	1
1977	Critical	0.06	0.03	0.01	0.01	0.02	0.03	0.04	0.05	0.07	0.07	0.07	0.06	1
1978	Above Normal	0.05	0.02	0.01	0.01	0.00	0.01	0.01	0.02	0.03	0.07	0.10	0.08	0
1979	Below Normal	0.07	0.03	0.02	0.01	0.02	0.03	0.05	0.06	0.10	0.10	0.10	0.08	1
1980	Above Normal	0.07	0.03	0.01	0.00	0.01	0.01	0.01	0.02	0.06	0.09	0.10	0.08	0
1981	Dry	0.07	0.03	0.02	0.01	0.03	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1982	Wet	0.07	0.03	0.02	0.01	0.01	0.01	0.01	0.02	0.03	0.10	0.10	0.08	0
1983	Wet	0.06	0.01	0.01	0.00	0.01	0.01	0.01	0.02	0.03	0.02	0.07	0.06	0
1984	Wet	0.03	0.01	0.01	0.00	0.02	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1985	Dry	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1986	Wet	0.07	0.03	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.10	0.10	0.08	0
1987	Dry	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.09	0.10	0.10	0.08	1
1988	Critical	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.09	0.09	0.09	0.07	1
1989	Dry	0.06	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.09	0.09	0.09	0.08	1
1990	Critical	0.07	0.03	0.01	0.01	0.02	0.04	0.04	0.06	0.08	0.09	0.09	0.07	1
1991	Critical	0.06	0.03	0.01	0.01	0.02	0.03	0.04	0.05	0.07	0.07	0.07	0.06	1
1992	Critical	0.05	0.02	0.01	0.01	0.02	0.03	0.04	0.06	0.07	0.08	0.08	0.06	1
1993	Above Normal	0.05	0.02	0.01	0.01	0.01	0.04	0.01	0.04	0.05	0.10	0.10	0.08	1
1994	Critical	0.07	0.03	0.01	0.01	0.02	0.04	0.04	0.06	0.08	0.08	0.08	0.06	1
1995	Wet	0.05	0.02	0.01	0.01	0.01	0.01	0.01	0.02	0.03	0.02	0.10	0.08	0
1996	Wet	0.07	0.03	0.01	0.01	0.01	0.01	0.01	0.05	0.02	0.10	0.10	0.08	1
1997	Wet	0.07	0.03	0.01	0.00	0.01	0.01	0.05	0.03	0.10	0.10	0.10	0.08	1
1998	Wet	0.07	0.03	0.01	0.01	0.01	0.01	0.01	0.02	0.03	0.02	0.10	0.08	0
1999	Wet	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
2000	Above Normal	0.07	0.03	0.01	0.01	0.02	0.03	0.05	0.07	0.10	0.10	0.10	0.08	1
2001	Dry	0.07	0.03	0.02	0.01	0.02	0.04	0.05	0.07	0.09	0.09	0.09	0.07	1
2002	Dry	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
2003	Above Normal	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.09	0.10	0.10	0.08	1
Average		0	0	0	0	0	0	0	0	0	0	0	0	1
Wet		0	0	0	0	0	0	0	0	0	0	0	0	1
Above Normal		0	0	0	0	0	0	0	0	0	0	0	0	1
Below Normal		0	0	0	0	0	0	0	0	0	0	0	0	1
Dry		0	0	0	0	0	0	0	0	0	0	0	0	1
Critical		0	0	0	0	0	0	0	0	0	0	0	0	1

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Energy Use (GWh) At Pumping Plant at DMC Other: CP3_2020

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	0.07	0.03	0.02	0.01	0.02	0.02	0.01	0.02	0.06	0.10	0.10	0.08	1
1923	Below Normal	0.07	0.03	0.02	0.01	0.03	0.04	0.05	0.07	0.09	0.10	0.10	0.08	1
1924	Critical	0.07	0.03	0.01	0.01	0.02	0.03	0.04	0.05	0.07	0.07	0.07	0.06	1
1925	Dry	0.05	0.02	0.01	0.01	0.01	0.04	0.05	0.07	0.09	0.10	0.09	0.08	1
1926	Dry	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.09	0.09	0.09	0.07	1
1927	Wet	0.06	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1928	Above Normal	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1929	Critical	0.07	0.03	0.02	0.01	0.03	0.04	0.05	0.07	0.09	0.09	0.09	0.07	1
1930	Dry	0.06	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.09	0.09	0.09	0.07	1
1931	Critical	0.06	0.03	0.01	0.01	0.02	0.03	0.04	0.05	0.07	0.07	0.07	0.06	1
1932	Dry	0.05	0.02	0.01	0.01	0.01	0.03	0.04	0.05	0.07	0.07	0.07	0.06	0
1933	Critical	0.05	0.02	0.01	0.01	0.02	0.03	0.04	0.05	0.07	0.07	0.07	0.06	0
1934	Critical	0.05	0.02	0.01	0.01	0.01	0.03	0.04	0.05	0.07	0.07	0.07	0.06	0
1935	Below Normal	0.05	0.02	0.01	0.01	0.01	0.04	0.05	0.07	0.08	0.09	0.09	0.07	1
1936	Below Normal	0.07	0.03	0.01	0.01	0.00	0.04	0.01	0.03	0.09	0.10	0.09	0.08	1
1937	Below Normal	0.07	0.03	0.01	0.00	0.01	0.01	0.01	0.02	0.08	0.09	0.09	0.07	0
1938	Wet	0.07	0.03	0.01	0.00	0.00	0.01	0.01	0.02	0.03	0.07	0.10	0.08	0
1939	Dry	0.07	0.03	0.02	0.01	0.03	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1940	Above Normal	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.06	0.09	0.10	0.10	0.08	1
1941	Wet	0.07	0.03	0.01	0.00	0.01	0.03	0.01	0.03	0.06	0.10	0.10	0.08	1
1942	Wet	0.07	0.03	0.01	0.00	0.01	0.04	0.05	0.06	0.05	0.10	0.10	0.08	1
1943	Wet	0.07	0.03	0.02	0.00	0.02	0.01	0.01	0.02	0.09	0.10	0.10	0.08	1
1944	Dry	0.07	0.03	0.02	0.01	0.03	0.04	0.05	0.07	0.09	0.10	0.10	0.08	1
1945	Below Normal	0.07	0.03	0.01	0.01	0.01	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1946	Below Normal	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.06	0.10	0.10	0.10	0.08	1
1947	Dry	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.09	0.10	0.10	0.08	1
1948	Below Normal	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1949	Dry	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1950	Below Normal	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.09	0.10	0.09	0.08	1
1951	Above Normal	0.07	0.03	0.01	0.00	0.01	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1952	Wet	0.07	0.03	0.02	0.01	0.01	0.01	0.01	0.02	0.03	0.09	0.10	0.08	0
1953	Wet	0.07	0.03	0.02	0.01	0.03	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1954	Above Normal	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1955	Dry	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.09	0.10	0.10	0.08	1
1956	Wet	0.07	0.03	0.01	0.00	0.01	0.01	0.03	0.03	0.06	0.10	0.10	0.08	1
1957	Above Normal	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1958	Wet	0.07	0.03	0.02	0.01	0.02	0.01	0.01	0.02	0.03	0.11	0.10	0.08	1
1959	Below Normal	0.07	0.03	0.02	0.01	0.03	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1960	Dry	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.09	0.09	0.09	0.07	1
1961	Dry	0.06	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1962	Below Normal	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1963	Wet	0.07	0.03	0.01	0.01	0.01	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1964	Dry	0.07	0.03	0.02	0.01	0.02	0.04	0.05	0.07	0.09	0.10	0.10	0.08	1
1965	Wet	0.07	0.03	0.01	0.00	0.01	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1966	Below Normal	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1967	Wet	0.07	0.03	0.01	0.01	0.02	0.01	0.01	0.02	0.03	0.02	0.10	0.08	0
1968	Below Normal	0.07	0.02	0.02	0.01	0.03	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1969	Wet	0.07	0.03	0.01	0.00	0.01	0.01	0.01	0.02	0.03	0.02	0.10	0.08	0
1970	Wet	0.07	0.03	0.02	0.00	0.01	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1971	Wet	0.07	0.03	0.02	0.01	0.02	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1972	Below Normal	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1973	Above Normal	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.04	0.08	0.10	0.10	0.08	1
1974	Wet	0.07	0.03	0.01	0.00	0.02	0.04	0.04	0.04	0.07	0.10	0.10	0.08	1
1975	Wet	0.07	0.03	0.02	0.01	0.03	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1976	Critical	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.09	0.09	0.09	0.07	1
1977	Critical	0.06	0.03	0.01	0.01	0.02	0.03	0.04	0.05	0.07	0.07	0.07	0.06	1
1978	Above Normal	0.05	0.02	0.01	0.01	0.00	0.01	0.01	0.02	0.03	0.07	0.10	0.08	0
1979	Below Normal	0.07	0.03	0.02	0.01	0.02	0.03	0.05	0.06	0.10	0.10	0.10	0.08	1
1980	Above Normal	0.07	0.03	0.02	0.00	0.01	0.01	0.01	0.02	0.06	0.09	0.10	0.08	0
1981	Dry	0.07	0.03	0.02	0.01	0.03	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1982	Wet	0.07	0.03	0.02	0.01	0.01	0.01	0.01	0.02	0.03	0.10	0.10	0.08	0
1983	Wet	0.06	0.01	0.01	0.00	0.01	0.01	0.01	0.02	0.03	0.02	0.07	0.06	0
1984	Wet	0.03	0.01	0.01	0.00	0.02	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1985	Dry	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1986	Wet	0.07	0.03	0.01	0.01	0.01	0.01	0.01	0.02	0.03	0.10	0.10	0.08	0
1987	Dry	0.07	0.03	0.01	0.01	0.03	0.04	0.05	0.07	0.09	0.10	0.10	0.08	1
1988	Critical	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.09	0.09	0.09	0.07	1
1989	Dry	0.06	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.09	0.10	0.09	0.08	1
1990	Critical	0.07	0.03	0.01	0.01	0.02	0.04	0.04	0.06	0.08	0.09	0.09	0.07	1
1991	Critical	0.06	0.03	0.01	0.01	0.02	0.03	0.04	0.05	0.07	0.07	0.07	0.06	1
1992	Critical	0.05	0.02	0.01	0.01	0.02	0.03	0.04	0.06	0.07	0.08	0.08	0.06	1
1993	Above Normal	0.05	0.02	0.01	0.01	0.01	0.04	0.01	0.04	0.05	0.10	0.10	0.08	1
1994	Critical	0.07	0.03	0.01	0.01	0.02	0.04	0.04	0.06	0.08	0.08	0.08	0.06	1
1995	Wet	0.05	0.02	0.01	0.01	0.01	0.01	0.01	0.02	0.03	0.02	0.10	0.08	0
1996	Wet	0.07	0.03	0.01	0.01	0.01	0.01	0.05	0.02	0.10	0.10	0.10	0.08	1
1997	Wet	0.07	0.03	0.01	0.00	0.01	0.01	0.05	0.03	0.10	0.10	0.10	0.08	1
1998	Wet	0.07	0.03	0.01	0.01	0.01	0.01	0.01	0.02	0.03	0.02	0.10	0.08	0
1999	Wet	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
2000	Above Normal	0.07	0.03	0.01	0.01	0.02	0.03	0.05	0.07	0.10	0.10	0.10	0.08	1
2001	Dry	0.07	0.03	0.02	0.01	0.02	0.04	0.05	0.07	0.09	0.10	0.10	0.08	1
2002	Dry	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
2003	Above Normal	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
Average		0	0	0	0	0	0	0	0	0	0	0	0	1
Wet		0	0	0	0	0	0	0	0	0	0	0	0	1
Above Normal		0	0	0	0	0	0	0	0	0	0	0	0	1
Below Normal		0	0	0	0	0	0	0	0	0	0	0	0	1
Dry		0	0	0	0	0	0	0	0	0	0	0	0	1
Critical		0	0	0	0	0	0	0	0	0	0	0	0	1

Difference in Energy Use (GWh) At Pumping Plant at DMC Other: CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1927	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1932	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1935	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1940	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1945	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1946	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1947	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1948	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1949	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1951	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1961	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1963	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1965	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1966	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Below Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Dry		0	0	0	0	0	0	0	0	0	0	0	0	0
Critical		0	0	0	0	0	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at DMC Other: CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1923	Below Norm	0%	0%	0%	0%	0%	-1%	-1%	-2%	-2%	-2%	-2%	-1%
1924	Critical	-1%	-1%	-2%	-3%	-5%	0%	0%	0%	0%	0%	0%	0%
1925	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1926	Dry	0%	0%	0%	1%	1%	1%	1%	1%	1%	1%	1%	0%
1927	Wet	0%	0%	1%	1%	3%	0%	0%	0%	0%	0%	0%	0%
1928	Above Norm	0%	0%	0%	0%	0%	2%	0%	2%	2%	3%	2%	1%
1929	Critical	1%	1%	2%	3%	6%	1%	1%	1%	1%	1%	1%	1%
1930	Dry	0%	0%	1%	1%	3%	0%	0%	0%	0%	0%	0%	0%
1931	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1932	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1933	Critical	0%	0%	0%	1%	1%	0%	0%	0%	0%	0%	0%	0%
1934	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1935	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	-1%	-1%	-1%	0%
1936	Below Norm	0%	0%	0%	-1%	-4%	-1%	-1%	-1%	-1%	-1%	-1%	0%
1937	Below Norm	0%	0%	0%	-2%	-4%	1%	-1%	-1%	-1%	-1%	-1%	0%
1938	Wet	0%	0%	-1%	-1%	-3%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	2%	0%	0%	0%	0%	3%	2%	3%	3%	4%	3%	2%
1940	Above Norm	1%	1%	3%	5%	9%	-1%	-1%	-1%	-1%	-1%	-1%	0%
1941	Wet	0%	0%	-1%	-2%	-4%	0%	0%	0%	0%	0%	0%	0%
1942	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1944	Dry	0%	0%	0%	0%	0%	2%	2%	3%	3%	3%	3%	2%
1945	Below Norm	1%	1%	2%	4%	18%	0%	0%	0%	0%	0%	0%	0%
1946	Below Norm	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%
1947	Dry	0%	0%	0%	1%	1%	1%	1%	1%	1%	1%	1%	0%
1948	Below Norm	0%	0%	1%	1%	2%	1%	0%	0%	0%	0%	0%	0%
1949	Dry	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1950	Below Norm	0%	0%	0%	0%	0%	0%	1%	1%	1%	1%	1%	0%
1951	Above Norm	0%	0%	1%	2%	4%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1955	Dry	0%	0%	0%	0%	0%	2%	2%	3%	3%	3%	3%	2%
1956	Wet	1%	1%	3%	8%	19%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norm	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1958	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1960	Dry	0%	0%	0%	0%	0%	2%	1%	1%	1%	1%	1%	0%
1961	Dry	0%	0%	1%	1%	2%	2%	0%	1%	1%	1%	1%	1%
1962	Below Norm	0%	0%	1%	1%	2%	1%	1%	1%	1%	1%	1%	0%
1963	Wet	0%	0%	0%	1%	3%	0%	0%	0%	0%	0%	0%	0%
1964	Dry	0%	0%	0%	0%	0%	3%	2%	3%	3%	3%	3%	2%
1965	Wet	1%	1%	2%	8%	20%	2%	2%	1%	1%	1%	1%	0%
1966	Below Norm	0%	0%	1%	1%	2%	-1%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1968	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1969	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	1%	0%	1%	1%	1%	1%	1%
1971	Wet	0%	0%	1%	2%	3%	0%	0%	0%	0%	0%	0%	0%
1972	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1973	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	1%	1%	1%	2%	2%	2%	1%
1977	Critical	1%	1%	1%	2%	5%	0%	0%	0%	0%	0%	0%	0%
1978	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1979	Below Norm	0%	0%	0%	0%	0%	2%	0%	1%	1%	1%	1%	1%
1980	Above Norm	0%	0%	1%	3%	5%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1982	Wet	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	2%	1%	1%	1%	1%	1%	0%
1986	Wet	0%	0%	1%	1%	4%	12%	9%	9%	10%	5%	5%	3%
1987	Dry	2%	2%	4%	7%	12%	0%	1%	1%	1%	1%	1%	1%
1988	Critical	0%	0%	1%	1%	2%	0%	0%	0%	0%	0%	0%	0%
1989	Dry	0%	0%	0%	0%	1%	0%	1%	1%	1%	1%	1%	0%
1990	Critical	0%	0%	1%	1%	2%	0%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1992	Critical	0%	0%	0%	0%	0%	0%	0%	0%	1%	1%	1%	0%
1993	Above Norm	0%	0%	0%	1%	2%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1995	Wet	0%	0%	0%	0%	0%	1%	1%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1998	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2001	Dry	0%	0%	0%	0%	0%	2%	2%	2%	2%	3%	3%	1%
2002	Dry	1%	1%	2%	4%	7%	1%	0%	0%	1%	1%	1%	0%
2003	Above Norm	0%	0%	0%	1%	1%	0%	1%	1%	1%	1%	1%	1%
Average		0%	0%	0%	1%	1%	1%	0%	0%	0%	0%	0%	0%
Wet		0%	0%	0%	1%	2%	1%	0%	0%	0%	0%	0%	0%
Above Norm		0%	0%	0%	1%	2%	0%	0%	0%	0%	0%	0%	0%
Below Norm		0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%
Dry		0%	0%	0%	1%	2%	1%	1%	1%	1%	1%	1%	1%
Critical		0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%

Energy Use (GWh) At Pumping Plant at Folsom: CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	1.30	0.94	0.91	0.82	0.79	0.70	1.21	0.82	0.77	0.82	0.96	1.09	11
1923	Below Normal	0.83	0.75	0.79	0.79	0.79	1.16	0.94	0.89	0.77	1.10	1.44	1.12	11
1924	Critical	0.96	0.86	0.91	1.00	1.02	1.03	1.79	1.80	2.07	2.21	1.99	1.48	17
1925	Dry	0.75	0.73	0.72	0.72	0.62	0.53	1.37	0.75	0.90	1.44	1.46	1.13	11
1926	Dry	1.00	0.72	0.78	0.86	0.83	0.99	0.67	1.05	1.76	2.61	2.67	1.97	16
1927	Wet	1.06	0.91	0.77	0.68	0.66	0.69	1.11	0.89	0.74	1.08	1.46	1.28	11
1928	Above Normal	0.85	0.75	0.79	0.80	0.81	0.70	1.15	1.01	1.17	1.78	2.18	1.76	14
1929	Critical	1.42	1.04	1.10	1.14	1.11	0.91	1.57	1.57	1.57	2.08	2.17	1.73	17
1930	Dry	1.38	1.15	0.92	0.74	0.66	0.59	0.94	1.03	1.28	1.64	1.65	1.22	13
1931	Critical	0.98	0.75	0.83	0.88	0.90	0.83	1.90	1.66	1.91	2.37	2.18	1.63	17
1932	Dry	1.11	0.82	0.76	0.65	0.57	0.58	1.16	0.80	0.69	0.79	0.91	0.95	10
1933	Critical	1.04	0.96	1.01	1.05	1.04	0.93	2.08	1.91	2.11	2.39	2.34	1.73	19
1934	Critical	1.11	1.09	0.88	0.74	0.63	0.73	1.46	1.62	2.12	2.51	2.32	1.72	17
1935	Below Normal	1.25	0.86	0.83	0.79	0.71	0.57	0.59	0.95	0.83	0.98	1.13	1.08	11
1936	Below Normal	0.82	0.70	0.79	0.79	0.76	0.74	1.15	0.78	0.69	0.89	1.03	1.01	10
1937	Below Normal	0.95	0.88	0.85	0.93	0.86	0.65	1.03	0.84	0.71	0.89	1.02	1.02	11
1938	Wet	0.94	0.71	0.75	0.75	0.75	0.70	1.08	0.86	0.78	0.83	0.96	1.06	10
1939	Dry	0.88	0.79	0.83	0.91	0.91	0.75	1.42	1.31	1.94	2.52	2.63	1.83	17
1940	Above Normal	1.28	1.19	1.01	0.86	0.64	0.62	1.25	0.89	0.90	1.42	1.97	1.59	14
1941	Wet	1.20	1.06	0.98	0.81	0.79	0.70	0.70	0.79	0.85	0.97	1.11	1.17	11
1942	Wet	0.89	0.75	0.79	0.79	0.81	0.73	0.68	0.78	0.83	0.89	1.03	1.15	10
1943	Wet	1.07	0.76	0.79	0.80	0.85	0.78	0.99	0.96	0.83	1.06	1.35	1.22	11
1944	Dry	1.05	0.80	0.88	0.94	0.91	0.80	1.15	1.17	1.49	1.99	2.10	1.66	15
1945	Below Normal	1.06	0.86	0.78	0.72	0.68	0.60	1.31	0.89	0.83	1.30	1.59	1.30	12
1946	Below Normal	0.67	0.62	0.79	0.79	0.84	0.75	1.34	0.82	0.88	1.29	1.68	1.44	12
1947	Dry	1.11	0.81	0.82	0.85	0.84	0.67	1.18	1.35	1.65	2.30	2.45	1.88	16
1948	Below Normal	0.98	0.95	0.98	0.97	0.90	0.78	0.85	0.75	0.81	1.05	1.29	1.24	12
1949	Dry	1.03	0.76	0.82	0.87	0.96	0.77	1.25	0.85	0.99	1.55	1.94	1.58	13
1950	Below Normal	1.29	0.95	1.03	0.93	0.79	0.67	1.08	0.84	0.75	0.80	0.93	1.00	11
1951	Above Normal	0.66	0.87	1.10	1.15	1.12	1.12	1.48	0.78	0.88	1.55	2.11	1.72	15
1952	Wet	1.03	0.91	0.83	0.79	0.79	0.70	1.11	0.89	0.73	0.81	0.94	1.05	11
1953	Wet	1.04	0.74	0.79	0.79	0.80	0.97	1.15	0.89	0.74	0.87	0.97	1.08	11
1954	Above Normal	0.99	0.75	0.83	0.85	0.82	0.71	0.86	0.98	1.25	2.02	2.39	1.89	14
1955	Dry	1.54	1.03	1.02	0.93	0.87	1.06	1.56	1.56	1.73	1.98	1.93	1.31	17
1956	Wet	1.07	0.84	0.81	0.80	0.87	1.10	1.39	0.81	0.76	0.81	0.94	1.00	11
1957	Above Normal	0.79	0.87	0.83	0.90	0.86	0.71	1.28	0.87	0.97	1.58	2.13	1.57	13
1958	Wet	1.07	1.10	0.99	0.91	0.83	0.72	0.68	0.86	0.79	0.86	1.00	1.12	11
1959	Below Normal	1.07	0.90	0.87	0.87	0.80	0.95	1.41	1.52	2.04	2.94	2.85	1.64	18
1960	Dry	1.60	1.24	1.05	1.03	0.86	0.54	1.22	1.24	1.58	2.01	2.13	1.67	16
1961	Dry	1.38	0.95	0.97	0.99	0.98	0.90	1.76	1.97	2.29	2.89	2.80	2.02	20
1962	Below Normal	1.55	1.01	1.00	0.98	0.82	0.55	1.14	0.96	1.00	1.47	1.99	1.59	14
1963	Wet	0.62	0.58	0.69	0.72	0.79	0.74	0.85	0.86	0.86	1.16	1.51	1.34	11
1964	Dry	0.86	0.76	0.79	0.79	0.81	1.08	1.76	1.41	1.49	1.91	2.04	1.64	15
1965	Wet	1.04	0.93	0.92	0.93	0.91	1.06	1.06	0.93	0.80	1.05	1.15	1.09	12
1966	Below Normal	1.04	0.75	0.84	0.88	0.88	1.03	1.43	1.27	1.67	2.55	2.76	2.04	17
1967	Wet	1.64	1.07	0.69	0.73	0.71	0.65	0.70	0.94	0.75	0.88	1.01	1.13	11
1968	Below Normal	1.03	0.74	0.83	0.87	0.85	0.75	1.32	1.39	1.66	2.57	2.73	1.96	17
1969	Wet	1.36	1.00	0.94	0.82	0.76	0.68	1.20	0.90	0.75	0.81	0.94	1.07	11
1970	Wet	0.89	0.73	0.79	0.93	1.08	0.90	1.55	1.38	1.45	2.04	2.34	1.82	16
1971	Wet	1.22	0.92	0.76	0.68	0.72	0.76	1.43	0.81	0.74	0.89	1.03	1.05	11
1972	Below Normal	1.00	0.75	0.79	0.80	0.80	0.95	1.21	1.04	1.09	1.68	2.04	1.37	14
1973	Above Normal	0.90	0.82	0.74	0.70	0.71	0.63	1.31	0.94	0.93	1.64	1.99	1.39	13
1974	Wet	0.85	0.69	0.79	0.87	0.95	0.82	1.15	0.93	0.77	0.74	0.98	1.11	11
1975	Wet	0.91	0.75	0.81	0.85	0.83	0.70	1.23	1.02	0.78	0.84	0.97	1.10	11
1976	Critical	0.64	0.74	0.82	0.90	1.01	1.51	1.60	1.64	1.76	1.93	1.72	1.29	16
1977	Critical	1.08	0.84	0.82	0.83	0.85	1.26	2.11	1.73	2.28	2.68	2.67	2.21	19
1978	Above Normal	1.37	1.17	0.81	0.67	0.48	0.43	0.84	0.91	0.78	0.99	1.28	1.17	11
1979	Below Normal	1.11	0.78	0.84	0.83	0.79	0.69	1.17	0.96	1.03	1.64	1.71	1.28	13
1980	Above Normal	0.71	0.65	0.79	0.90	1.03	0.88	1.16	0.88	0.79	0.77	0.94	1.08	11
1981	Dry	1.04	0.87	0.83	0.86	0.86	0.76	1.23	1.44	2.00	2.94	2.96	2.04	18
1982	Wet	1.09	0.88	0.82	0.90	0.93	0.82	0.74	1.01	0.86	0.93	1.07	0.89	11
1983	Wet	0.60	0.66	0.79	0.81	0.83	0.76	0.74	0.91	0.81	0.88	1.00	1.07	10
1984	Wet	0.90	0.79	1.10	1.14	1.09	1.18	1.33	0.86	0.77	1.25	1.48	1.14	13
1985	Dry	0.71	0.65	0.69	0.73	0.75	0.64	1.23	1.22	1.68	2.42	2.53	1.80	15
1986	Wet	1.32	1.00	0.94	0.81	0.85	0.78	1.22	0.87	0.74	0.81	0.95	0.93	11
1987	Dry	1.00	0.83	0.86	0.94	0.89	0.69	1.09	1.24	1.68	2.18	2.25	1.71	15
1988	Critical	1.23	0.92	0.90	0.80	0.73	1.06	1.28	1.55	2.00	2.40	2.26	1.68	17
1989	Dry	1.29	0.82	0.76	0.74	0.71	0.54	1.23	1.13	1.51	2.47	2.70	1.48	15
1990	Critical	1.10	1.00	1.06	1.07	1.03	0.97	1.54	1.08	1.75	2.11	2.11	1.62	16
1991	Critical	1.28	0.95	0.92	0.92	0.93	0.92	1.77	1.72	1.63	1.89	2.06	1.75	17
1992	Critical	1.18	1.09	0.98	0.97	0.88	0.70	1.31	1.99	2.33	2.70	2.46	1.82	18
1993	Above Normal	1.10	1.07	0.89	0.76	0.57	0.52	1.27	0.82	0.70	0.94	1.15	1.16	11
1994	Critical	0.97	0.77	0.90	1.02	1.03	1.24	1.69	1.46	1.89	2.34	2.35	1.77	17
1995	Wet	1.29	0.91	0.86	0.71	0.63	0.58	1.08	0.71	0.73	0.86	0.99	1.12	10
1996	Wet	1.04	0.87	0.79	0.80	0.89	0.83	1.09	0.65	0.83	1.02	1.19	1.17	11
1997	Wet	0.87	0.75	0.86	1.09	1.19	1.53	1.54	1.03	1.04	1.64	1.84	1.40	15
1998	Wet	0.99	0.79	0.79	0.73	0.70	0.64	1.03	0.54	0.85	0.91	1.05	1.12	10
1999	Wet	0.95	0.71	0.79	0.80	0.81	0.72	1.26	0.88	0.74	0.94	1.09	1.06	11
2000	Above Normal	0.99	0.74	0.87	0.88	0.80	0.75	1.30	0.90	1.11	2.00	2.77	2.21	15
2001	Dry	1.17	1.32	1.22	1.20	1.16	1.01	1.46	1.71	2.09	2.47	2.38	1.69	19
2002	Dry	1.31	0.93	0.88	0.72	0.64	0.63	1.37	0.88	1.17	1.85	2.22	1.76	14
2003	Above Normal	1.46	1.00	0.93	0.76	0.73	0.66	0.80	0.85	0.90	1.48	1.76	1.41	13
Average		1	1	1	1	1	1	1	1	1	2	2	1	14
Wet		1	1	1	1	1	1	1	1	1	1	1	1	11
Above Normal		1	1	1	1	1	1	1	1	1	1	2	2	13
Below Normal		1	1	1	1	1	1	1	1	1	2	2	1	13
Dry		1	1	1	1	1	1	1	1	2	2	2	2	15
Critical		1	1	1	1	1	1	2	2	2	2	2	2	17

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Energy Use (GWh) At Pumping Plant at Folsom: CP3_2020

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	1.30	0.94	0.91	0.82	0.79	0.70	1.21	0.82	0.77	0.82	0.96	1.09	11
1923	Below Normal	0.83	0.75	0.79	0.79	0.79	1.14	0.92	0.87	0.75	1.06	1.37	1.08	11
1924	Critical	0.96	0.87	0.91	1.00	0.98	0.99	1.73	1.75	2.02	2.16	1.95	1.45	17
1925	Dry	0.74	0.73	0.71	0.72	0.62	0.53	1.37	0.75	0.91	1.49	1.54	1.17	11
1926	Dry	1.00	0.72	0.78	0.86	0.83	1.02	0.69	1.05	1.73	2.53	2.56	1.92	16
1927	Wet	1.05	0.89	0.72	0.65	0.67	0.69	1.11	0.89	0.74	1.09	1.49	1.30	11
1928	Above Normal	0.85	0.75	0.79	0.79	0.79	0.73	1.16	0.93	0.95	1.57	1.95	1.52	13
1929	Critical	1.26	0.95	1.02	1.07	1.04	0.84	1.44	1.46	1.55	2.12	2.20	1.76	17
1930	Dry	1.41	1.17	0.94	0.76	0.67	0.59	0.94	1.01	1.24	1.66	1.72	1.22	13
1931	Critical	0.96	0.74	0.82	0.89	0.93	0.87	1.98	1.73	1.97	2.39	2.18	1.61	17
1932	Dry	1.10	0.82	0.76	0.65	0.57	0.59	1.16	0.81	0.69	0.79	0.92	0.96	10
1933	Critical	1.04	0.96	1.02	1.05	1.05	0.93	2.08	1.90	2.09	2.38	2.33	1.73	19
1934	Critical	1.11	1.09	0.88	0.75	0.63	0.73	1.43	1.60	2.11	2.51	2.31	1.71	17
1935	Below Normal	1.25	0.86	0.83	0.79	0.71	0.57	0.59	0.95	0.83	0.99	1.13	1.08	11
1936	Below Normal	0.82	0.70	0.79	0.79	0.76	0.74	1.14	0.78	0.69	0.85	0.99	1.00	10
1937	Below Normal	0.95	0.88	0.84	0.93	0.86	0.66	1.03	0.84	0.71	0.90	1.03	1.02	11
1938	Wet	0.94	0.71	0.75	0.75	0.75	0.70	1.08	0.86	0.78	0.83	0.96	1.06	10
1939	Dry	0.88	0.79	0.83	0.91	0.91	0.77	1.42	1.28	1.89	2.71	2.83	1.95	17
1940	Above Normal	1.37	1.25	1.05	0.90	0.66	0.62	1.25	0.85	0.82	1.28	1.76	1.44	13
1941	Wet	1.01	0.81	0.82	0.79	0.79	0.70	0.70	0.79	0.85	0.97	1.11	1.17	11
1942	Wet	0.89	0.75	0.79	0.79	0.81	0.73	0.68	0.78	0.83	0.89	1.03	1.15	10
1943	Wet	1.07	0.76	0.79	0.80	0.85	0.78	0.99	0.96	0.83	1.06	1.36	1.22	11
1944	Dry	1.05	0.80	0.88	0.94	0.92	0.84	1.21	1.24	1.47	1.87	2.05	1.63	15
1945	Below Normal	1.04	0.84	0.75	0.69	0.68	0.60	1.31	0.89	0.82	1.18	1.36	1.21	11
1946	Below Normal	0.67	0.73	0.79	0.79	0.80	0.72	1.34	0.82	0.87	1.39	1.71	1.28	12
1947	Dry	0.98	0.75	0.79	0.82	0.82	0.67	1.17	1.30	1.54	2.19	2.42	1.88	15
1948	Below Normal	1.00	0.97	1.00	0.96	0.87	0.77	0.82	0.75	0.81	1.02	1.25	1.23	11
1949	Dry	1.03	0.76	0.82	0.88	0.91	0.72	1.25	0.85	0.94	1.37	1.69	1.41	13
1950	Below Normal	1.19	0.88	0.97	0.90	0.79	0.67	1.08	0.84	0.75	0.80	0.93	1.00	11
1951	Above Normal	0.62	0.82	1.10	1.15	1.12	1.12	1.48	0.78	0.86	1.46	1.96	1.50	14
1952	Wet	0.87	0.79	0.79	0.79	0.79	0.70	1.11	0.89	0.73	0.81	0.94	1.05	10
1953	Wet	1.04	0.74	0.79	0.79	0.80	0.97	1.15	0.89	0.74	0.86	0.96	1.08	11
1954	Above Normal	0.99	0.75	0.83	0.85	0.82	0.71	0.86	0.96	1.18	1.92	2.29	1.81	14
1955	Dry	1.49	1.01	1.00	0.90	0.79	0.91	1.33	1.33	1.48	1.68	1.70	1.22	15
1956	Wet	0.98	0.78	0.78	0.82	0.89	1.10	1.39	0.81	0.76	0.81	0.94	1.00	11
1957	Above Normal	0.79	0.87	0.83	0.90	0.86	0.71	1.28	0.87	0.96	1.54	2.09	1.53	13
1958	Wet	1.04	1.08	0.97	0.88	0.82	0.72	0.68	0.86	0.79	0.86	1.00	1.12	11
1959	Below Normal	1.07	0.90	0.87	0.87	0.80	0.94	1.37	1.49	2.02	2.93	2.85	1.64	18
1960	Dry	1.60	1.24	1.04	1.03	0.86	0.57	1.22	1.24	1.58	1.83	1.77	1.39	15
1961	Dry	1.18	0.84	0.86	0.90	0.87	0.77	1.49	1.64	1.92	2.71	2.79	2.01	18
1962	Below Normal	1.55	1.01	1.00	0.97	0.81	0.56	1.14	0.96	1.00	1.45	1.78	1.31	14
1963	Wet	0.56	0.58	0.69	0.72	0.79	0.72	0.82	0.86	0.86	1.15	1.49	1.32	11
1964	Dry	0.85	0.75	0.79	0.79	0.81	1.12	1.83	1.48	1.53	1.93	2.11	1.72	16
1965	Wet	1.10	0.98	0.97	0.96	0.95	1.05	1.03	0.90	0.77	1.04	1.13	1.08	12
1966	Below Normal	1.04	0.75	0.84	0.88	0.88	1.03	1.43	1.27	1.67	2.55	2.76	2.04	17
1967	Wet	1.64	1.07	0.88	0.69	0.71	0.65	0.70	0.94	0.75	0.88	1.01	1.13	11
1968	Below Normal	1.03	0.74	0.83	0.87	0.85	0.75	1.32	1.39	1.67	2.59	2.73	1.96	17
1969	Wet	1.37	1.00	0.93	0.81	0.76	0.68	1.20	0.90	0.75	0.81	0.94	1.07	11
1970	Wet	0.89	0.73	0.79	0.93	1.08	0.92	1.57	1.40	1.45	2.07	2.24	1.64	16
1971	Wet	1.11	0.83	0.72	0.69	0.71	0.75	1.43	0.81	0.74	0.89	1.03	1.05	11
1972	Below Normal	1.00	0.75	0.79	0.80	0.80	0.95	1.21	1.04	1.07	1.69	2.01	1.22	13
1973	Above Normal	0.52	0.71	0.69	0.70	0.71	0.63	1.31	0.94	0.92	1.64	1.99	1.39	12
1974	Wet	0.85	0.56	0.79	0.87	0.95	0.82	1.15	0.93	0.77	0.74	0.98	1.11	11
1975	Wet	0.91	0.75	0.81	0.85	0.83	0.70	1.23	1.02	0.78	0.84	0.97	1.10	11
1976	Critical	0.64	0.74	0.82	0.90	1.01	1.53	1.60	1.64	1.72	1.85	1.66	1.25	15
1977	Critical	1.05	0.82	0.82	0.83	0.85	1.25	2.09	1.72	2.25	2.39	2.46	2.21	19
1978	Above Normal	1.24	1.20	0.82	0.67	0.48	0.43	0.84	0.91	0.78	0.99	1.28	1.17	11
1979	Below Normal	1.11	0.78	0.84	0.84	0.79	0.70	1.16	0.95	1.01	1.64	1.73	1.28	13
1980	Above Normal	0.71	0.68	0.79	0.90	1.03	0.88	1.16	0.88	0.79	0.77	0.94	1.08	11
1981	Dry	1.04	0.87	0.83	0.86	0.86	0.76	1.23	1.45	2.00	2.95	2.96	2.05	18
1982	Wet	1.09	0.88	0.82	0.90	0.93	0.82	0.74	1.01	0.86	0.93	1.07	0.89	11
1983	Wet	0.60	0.66	0.79	0.81	0.83	0.76	0.74	0.91	0.81	0.88	1.00	1.07	10
1984	Wet	0.90	0.79	1.10	1.14	1.09	1.18	1.29	0.81	0.70	1.11	1.31	1.04	12
1985	Dry	0.69	0.64	0.69	0.73	0.75	0.68	1.27	1.26	1.69	2.37	2.46	1.76	15
1986	Wet	1.31	0.99	0.93	0.80	0.85	0.82	1.25	0.89	0.76	1.03	1.25	1.01	12
1987	Dry	1.02	0.85	0.88	0.96	0.92	0.70	1.10	1.24	1.70	2.23	2.27	1.70	16
1988	Critical	1.22	0.92	0.90	0.78	0.72	1.04	1.25	1.51	1.96	2.37	2.24	1.67	17
1989	Dry	1.28	0.82	0.78	0.78	0.78	0.60	1.23	1.13	1.48	2.37	2.61	1.46	15
1990	Critical	1.11	1.00	1.06	1.08	1.03	0.96	1.53	1.07	1.74	2.10	2.10	1.62	16
1991	Critical	1.28	0.95	0.92	0.92	0.93	0.92	1.77	1.72	1.63	1.88	2.05	1.75	17
1992	Critical	1.18	1.09	0.98	0.97	0.88	0.70	1.30	1.95	2.28	2.65	2.43	1.80	18
1993	Above Normal	1.09	1.04	0.88	0.74	0.57	0.52	1.27	0.82	0.70	0.94	1.15	1.16	11
1994	Critical	0.97	0.77	0.90	1.02	1.03	1.24	1.69	1.46	1.83	2.19	2.23	1.64	17
1995	Wet	1.21	0.88	0.80	0.67	0.63	0.58	1.08	0.71	0.73	0.86	0.99	1.12	10
1996	Wet	1.04	0.87	0.79	0.80	0.89	0.83	1.09	0.65	0.83	1.02	1.19	1.18	11
1997	Wet	0.87	0.75	0.86	1.09	1.19	1.53	1.54	1.03	1.00	1.38	1.45	1.12	14
1998	Wet	0.82	0.67	0.69	0.69	0.70	0.64	1.03	0.54	0.85	0.91	1.05	1.12	10
1999	Wet	0.95	0.71	0.79	0.80	0.81	0.72	1.26	0.88	0.74	0.94	1.09	1.06	11
2000	Above Normal	0.99	0.74	0.87	0.88	0.80	0.75	1.29	0.90	1.09	1.92	2.69	2.18	15
2001	Dry	1.16	1.32	1.22	1.19	1.16	1.00	1.45	1.70	2.07	2.46	2.37	1.69	19
2002	Dry	1.30	0.93	0.88	0.72	0.64	0.59	1.19	0.79	1.02	1.66	2.12	1.63	13
2003	Above Normal	1.33	0.95	0.88	0.74	0.71	0.64	0.80	0.85	0.83	1.26	1.59	1.35	12
Average		1	1	1	1	1	1	1	1	1	2	2	1	13
Wet		1	1	1	1	1	1	1	1	1	1	1	1	11
Above Normal		1	1	1	1	1	1	1	1	1	1	2	1	12
Below Normal		1	1	1	1	1	1	1	1	1	2	2	1	13
Dry		1	1	1	1	1	1	1	1	1	2	2	2	15
Critical		1	1	1	1	1	1	2	2	2	2	2	2	17

Difference in Energy Use (GWh) At Pumping Plant at Folsom: CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1927	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1932	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1935	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1940	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1945	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1946	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1947	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1948	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1949	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1951	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1961	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1963	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1965	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1966	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Below Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Dry		0	0	0	0	0	0	0	0	0	0	0	0	0
Critical		0	0	0	0	0	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at Folsom: CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1923	Below Norm	0%	0%	0%	0%	0%	-2%	-2%	-2%	-2%	-3%	-5%	-4%
1924	Critical	-1%	1%	0%	0%	0%	-4%	-3%	-3%	-3%	-2%	-2%	-2%
1925	Dry	-1%	-1%	-1%	0%	0%	0%	0%	0%	1%	3%	5%	3%
1926	Dry	0%	0%	1%	1%	1%	2%	3%	1%	-2%	-3%	-4%	-3%
1927	Wet	-1%	-3%	-6%	-3%	1%	0%	0%	0%	0%	0%	2%	2%
1928	Above Norm	0%	0%	0%	-2%	-2%	4%	1%	-8%	-19%	-12%	-11%	-14%
1929	Critical	-11%	-9%	-7%	-6%	-6%	-7%	-8%	-7%	-1%	2%	2%	2%
1930	Dry	2%	2%	2%	2%	2%	0%	0%	-2%	-3%	1%	4%	0%
1931	Critical	-2%	-1%	-1%	2%	3%	4%	4%	5%	3%	1%	0%	-1%
1932	Dry	-1%	0%	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%
1933	Critical	1%	1%	1%	1%	1%	0%	0%	0%	-1%	-1%	0%	0%
1934	Critical	0%	0%	0%	0%	0%	-1%	-2%	-1%	-1%	0%	0%	0%
1935	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1936	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	-4%	-3%	0%
1937	Below Norm	0%	0%	0%	1%	0%	1%	0%	0%	0%	0%	0%	0%
1938	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	0%	3%	0%	-2%	-3%	8%	8%	7%
1940	Above Norm	7%	5%	4%	5%	3%	0%	0%	-4%	-9%	-10%	-11%	-9%
1941	Wet	-16%	-23%	-17%	-2%	0%	0%	0%	0%	0%	0%	0%	0%
1942	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1944	Dry	0%	0%	0%	0%	1%	4%	5%	6%	-1%	-6%	-2%	-2%
1945	Below Norm	-2%	-2%	-3%	-4%	0%	0%	0%	0%	-1%	-9%	-15%	-7%
1946	Below Norm	0%	18%	0%	0%	-4%	-4%	0%	0%	-1%	7%	2%	-11%
1947	Dry	-12%	-8%	-4%	-3%	-1%	-1%	-4%	-4%	-7%	-5%	-1%	0%
1948	Below Norm	2%	2%	2%	-1%	-4%	-1%	-3%	0%	0%	-2%	-3%	-1%
1949	Dry	0%	0%	0%	0%	-5%	-6%	0%	0%	-6%	-11%	-13%	-11%
1950	Below Norm	-8%	-7%	-6%	-3%	0%	0%	0%	0%	0%	0%	0%	0%
1951	Above Norm	-7%	-5%	0%	0%	0%	0%	0%	0%	-3%	-6%	-7%	-12%
1952	Wet	-15%	-12%	-5%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	-1%	0%
1954	Above Norm	0%	0%	0%	0%	0%	0%	0%	-3%	-6%	-5%	-4%	-4%
1955	Dry	-3%	-2%	-2%	-3%	-9%	-14%	-15%	-15%	-14%	-15%	-12%	-7%
1956	Wet	-8%	-8%	-3%	2%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	-1%	-2%	-2%	-2%
1958	Wet	-3%	-2%	-2%	-3%	-1%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norm	0%	0%	0%	0%	0%	-1%	-2%	-2%	-1%	0%	0%	0%
1960	Dry	0%	0%	0%	0%	0%	5%	0%	0%	0%	-9%	-17%	-17%
1961	Dry	-15%	-12%	-11%	-10%	-11%	-14%	-16%	-17%	-16%	-6%	0%	0%
1962	Below Norm	0%	0%	0%	-1%	-1%	2%	0%	0%	-1%	-1%	-10%	-17%
1963	Wet	-10%	0%	0%	0%	0%	-3%	-4%	0%	0%	-1%	-1%	-1%
1964	Dry	-1%	-1%	0%	0%	0%	3%	4%	5%	3%	1%	4%	5%
1965	Wet	5%	5%	5%	4%	4%	-1%	-3%	-4%	-4%	-1%	-2%	-1%
1966	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	28%	-5%	0%	0%	0%	0%	0%	0%	0%	0%
1968	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	1%	1%	0%	0%
1969	Wet	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	2%	1%	1%	0%	1%	-4%	-10%
1971	Wet	-9%	-10%	-6%	1%	-1%	-2%	0%	0%	0%	0%	0%	0%
1972	Below Norm	0%	0%	0%	0%	0%	0%	0%	1%	-2%	0%	-1%	-11%
1973	Above Norm	-42%	-14%	-7%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	-18%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	1%	0%	0%	-3%	-4%	-4%	-4%
1977	Critical	-3%	-2%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-11%	-8%	0%
1978	Above Norm	-10%	2%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1979	Below Norm	0%	0%	1%	0%	0%	2%	-1%	-1%	-1%	0%	1%	0%
1980	Above Norm	0%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1982	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	-3%	-6%	-9%	-11%	-12%	-8%
1985	Dry	-3%	-2%	0%	0%	0%	6%	3%	3%	0%	-2%	-3%	-2%
1986	Wet	-1%	-1%	-1%	0%	4%	2%	2%	2%	2%	26%	32%	8%
1987	Dry	2%	3%	3%	3%	3%	1%	1%	0%	2%	2%	1%	-1%
1988	Critical	-1%	-1%	-1%	-2%	-2%	-2%	-3%	-3%	-2%	-1%	-1%	0%
1989	Dry	0%	-1%	2%	6%	9%	11%	0%	0%	-2%	-4%	-3%	-1%
1990	Critical	1%	-1%	-1%	0%	0%	-1%	-1%	-1%	0%	-1%	-1%	0%
1991	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	-1%	0%
1992	Critical	0%	0%	0%	0%	0%	0%	-1%	-2%	-2%	-2%	-1%	-1%
1993	Above Norm	-2%	-2%	-1%	-2%	0%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	0%	0%	0%	0%	0%	-3%	-6%	-5%	-7%
1995	Wet	-6%	-4%	-7%	-6%	0%	0%	0%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	0%	0%	-4%	-16%	-21%	-20%
1998	Wet	-17%	-15%	-12%	-6%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norm	0%	0%	0%	0%	0%	0%	0%	-2%	-4%	-3%	-1%	-1%
2001	Dry	-1%	-1%	0%	-1%	-1%	-1%	-1%	-1%	-1%	0%	0%	0%
2002	Dry	0%	0%	0%	0%	-1%	-7%	-12%	-10%	-13%	-10%	-5%	-7%
2003	Above Norm	-9%	-5%	-5%	-3%	-2%	-3%	0%	0%	-8%	-15%	-10%	-4%
Average		-2%	-2%	-1%	0%	0%	0%	-1%	-1%	-2%	-2%	-2%	-2%
Above Norm		-3%	-3%	-1%	-1%	0%	0%	0%	0%	-1%	0%	0%	-1%
Below Norm		-5%	-1%	-1%	0%	0%	0%	0%	-1%	-4%	-5%	-4%	-4%
Dry		-1%	1%	-1%	-1%	-1%	0%	-1%	0%	-1%	-1%	-2%	-4%
Critical		-2%	-1%	-1%	0%	-1%	0%	-1%	-2%	-3%	-3%	-2%	-2%
Critical		-1%	-1%	-1%	0%	-1%	-1%	-1%	-1%	-1%	-2%	-2%	-1%

Difference in Energy Use (GWh) At Pumping Plant at Misc: CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1927	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1932	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1935	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1940	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1945	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1946	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1947	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1948	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1949	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1951	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1961	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1963	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1965	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1966	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Below Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Dry		0	0	0	0	0	0	0	0	0	0	0	0	0
Critical		0	0	0	0	0	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at Misc: CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1923	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1924	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1925	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1926	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1927	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1928	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1929	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1930	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1931	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1932	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1933	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1934	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1935	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1936	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1937	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1938	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1940	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1942	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1944	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1945	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1946	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1947	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1948	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1949	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1950	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1951	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1955	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1956	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1958	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1960	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1961	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1962	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1963	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1964	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1965	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1966	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1968	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1969	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1972	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1973	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1977	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1978	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1979	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1980	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1982	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1986	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1987	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1988	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1989	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1990	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1992	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1993	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1995	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1998	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2001	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2002	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2003	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Average		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Wet		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Above Norma		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Below Norma		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Dry		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Critical		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Difference in Energy Use (GWh) At Pumping Plant at O'Neill: CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	0	0	-1	-2	0	0
1924	Critical	0	0	-2	0	6	0	0	0	0	0	0	4	1
1925	Dry	3	0	0	-3	-12	-2	0	0	0	0	0	0	-1
1926	Dry	0	0	0	0	0	0	0	0	0	0	0	1	0
1927	Wet	1	0	0	0	0	-1	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	0	0	1	0	0	0	0	-1	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	0	2	2	0	0	0	0	0	-1	0
1931	Critical	0	0	0	0	7	0	0	0	0	0	0	0	1
1932	Dry	0	1	0	-6	-1	0	0	0	0	0	0	0	-1
1933	Critical	0	0	2	0	0	0	0	0	0	0	0	1	0
1934	Critical	0	0	0	-1	0	0	0	0	0	0	0	0	0
1935	Below Norma	0	0	0	0	0	-2	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	-2	0	0	0	0	0	0	0	0
1937	Below Norma	0	0	0	-3	0	0	0	0	0	0	0	0	0
1938	Wet	0	0	0	-2	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	2	0	0	0	2	3	2	1
1940	Above Norma	1	-1	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	0	-1	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	0	1	0	0	0
1945	Below Norma	0	0	0	0	3	0	0	0	0	0	0	0	0
1946	Below Norma	0	0	0	0	0	1	0	0	0	2	0	0	0
1947	Dry	0	0	0	0	0	-3	0	0	0	1	0	0	0
1948	Below Norma	0	0	0	-2	0	0	0	0	0	0	1	0	0
1949	Dry	0	0	0	0	0	1	0	0	0	0	0	0	0
1950	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1951	Above Norma	4	0	0	-2	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	-1	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	-4	0	0	0	2	1	-3	0
1956	Wet	-2	0	0	0	2	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	2	3	7	1	0	0	0	0	0	0	0	-1	1
1961	Dry	0	0	1	0	0	-3	0	0	0	0	0	3	0
1962	Below Norma	3	4	-1	0	0	0	0	0	0	-2	0	0	0
1963	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	0	0	0	0	2	3	0	0
1965	Wet	0	0	0	0	4	2	0	0	0	0	0	0	0
1966	Below Norma	0	0	0	0	1	3	0	0	0	0	0	0	0
1967	Wet	0	1	0	0	0	-1	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	1	0	0	0	0	-1	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	1	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Norma	0	0	0	0	0	-1	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	3	2	7	1	10	0	0	0	0	-4	0	0	2
1978	Above Norma	-5	-1	1	0	0	-6	0	0	0	0	0	0	-1
1979	Below Norma	0	0	0	0	0	1	0	0	0	0	0	0	0
1980	Above Norma	0	0	0	0	5	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	1	0	0	0	0	-1	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	4	0	0	0	0	0	0	0
1986	Wet	0	0	0	0	4	1	-1	-1	-1	0	-1	-1	0
1987	Dry	0	0	0	7	1	6	0	0	0	-1	0	3	1
1988	Critical	-2	0	0	0	0	0	0	0	0	0	0	0	0
1989	Dry	0	0	4	0	3	0	0	0	0	0	0	0	1
1990	Critical	0	0	-1	0	1	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	Above Norma	0	1	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	4	0	0	0	0	-1	-1	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	-1	0	1	0
1998	Wet	1	0	0	0	-1	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	1	0	1	0
2002	Dry	-1	0	0	0	3	0	0	0	0	0	0	0	0
2003	Above Norma	2	1	0	0	-3	5	0	0	0	0	0	0	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Below Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Dry		0	0	1	0	0	0	0	0	0	1	0	1	0
Critical		0	0	0	0	2	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at O'Neill: CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1923	Below Norm	0%	0%	0%	0%	0%	-11%	5%	-	-	-89%	-85%	4%
1924	Critical	1%	-1%	-15%	0%	-	-	-	-	-	-	-	-
1925	Dry	105%	-21%	0%	-20%	-96%	-38%	1%	-	-	-	-	0%
1926	Dry	0%	0%	1%	0%	0%	11%	0%	-	-	-	-	-
1927	Wet	48%	0%	0%	0%	-2%	-16%	0%	-	-	-	0%	0%
1928	Above Norm	0%	0%	0%	0%	0%	20%	0%	-	-	-	-22%	-5%
1929	Critical	-1%	0%	0%	0%	2%	-	-	-	-	-	-	-5%
1930	Dry	-1%	0%	0%	0%	16%	108%	-	-	-	-	-	-30%
1931	Critical	-10%	2%	2%	0%	586%	-8%	-	-	-	-	-	0%
1932	Dry	0%	8%	0%	-43%	-46%	-	-	-	-	-	-90%	0%
1933	Critical	0%	0%	28%	8%	8%	-	-	-	-	-	-	38%
1934	Critical	4%	3%	-1%	-21%	0%	-	-	-	-	-	-	-
1935	Below Norm	-	-1%	2%	0%	1%	-48%	-1%	-	-	-	-	0%
1936	Below Norm	1%	0%	0%	0%	-37%	-5%	-5%	36%	-	-	-	1%
1937	Below Norm	1%	0%	0%	-21%	-6%	6%	-3%	-5%	-	-	-	0%
1938	Wet	4%	0%	0%	-40%	-6%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	-2%	0%	0%	0%	0%	43%	-	-	-	-	-	50%
1940	Above Norm	23%	-17%	-2%	0%	-2%	0%	4%	-	-	-	6%	1%
1941	Wet	0%	0%	0%	0%	-10%	0%	0%	0%	0%	0%	0%	0%
1942	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	-15%	-	0%	0%	0%
1944	Dry	0%	0%	0%	0%	0%	-1%	-	-	-	-	-	2%
1945	Below Norm	-6%	0%	0%	0%	29%	0%	0%	-	-	0%	0%	0%
1946	Below Norm	0%	0%	0%	0%	9%	16%	-11%	-	-	-	-4%	-2%
1947	Dry	0%	0%	0%	0%	0%	-50%	-	-	-	-	-	0%
1948	Below Norm	-4%	0%	1%	-14%	0%	-2%	-1%	-	-	-3%	72%	0%
1949	Dry	0%	0%	0%	0%	0%	21%	-	-	-	0%	12%	0%
1950	Below Norm	-6%	0%	0%	0%	0%	6%	-4%	-	-	-	-5%	-1%
1951	Above Norm	148%	0%	0%	-43%	10%	0%	0%	-	-	-	0%	0%
1952	Wet	0%	0%	0%	0%	0%	-10%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	-39%	0%	-	-	0%	0%	0%
1954	Above Norm	0%	0%	0%	0%	0%	0%	0%	-	-	-	0%	0%
1955	Dry	0%	0%	0%	0%	0%	-62%	-	-	-	-	-	137%
1956	Wet	-42%	0%	0%	0%	13%	0%	0%	-4%	0%	0%	0%	0%
1957	Above Norm	-1%	0%	0%	4%	0%	0%	0%	-	-	0%	0%	0%
1958	Wet	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1959	Below Norm	0%	0%	0%	0%	0%	0%	-	-	-	0%	-5%	2%
1960	Dry	62%	36%	122%	11%	3%	-1%	-	-	-	-	-	-16%
1961	Dry	-3%	0%	13%	0%	0%	0%	-100%	-	-	6%	-8%	116%
1962	Below Norm	-	67%	-6%	0%	-1%	0%	-14%	-	-	-100%	-5%	-1%
1963	Wet	0%	0%	0%	0%	0%	2%	0%	-	-	-	0%	0%
1964	Dry	0%	0%	0%	0%	0%	-4%	-	-	-	-	-	-3%
1965	Wet	-5%	0%	0%	0%	38%	47%	-12%	-	-	-16%	-9%	-2%
1966	Below Norm	0%	0%	0%	0%	6%	68%	-1%	-	-	5%	0%	0%
1967	Wet	0%	11%	0%	0%	0%	-8%	0%	0%	0%	0%	0%	0%
1968	Below Norm	0%	0%	0%	0%	0%	0%	0%	-	-	28%	0%	-14%
1969	Wet	11%	0%	0%	0%	0%	-7%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	11%	0%	-	-	-	-11%	-2%
1971	Wet	0%	0%	0%	0%	16%	0%	0%	-	-	-	0%	0%
1972	Below Norm	0%	0%	0%	0%	0%	0%	-	-	-	-	0%	0%
1973	Above Norm	0%	0%	0%	0%	0%	-10%	0%	-	-	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	-	-	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	-	-	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	19%	-	-	-	-	-	-
1977	Critical	94%	26%	325%	8%	838%	-	-	-	-	-100%	-	-12%
1978	Above Norm	-100%	-24%	10%	0%	0%	-51%	0%	0%	0%	0%	0%	0%
1979	Below Norm	0%	0%	0%	0%	0%	16%	0%	-34%	-	-19%	-10%	-2%
1980	Above Norm	0%	0%	0%	0%	58%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	0%	0%	4%	-	-	0%	0%	0%
1982	Wet	42%	0%	0%	0%	0%	-9%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	-	-	-	0%	0%
1985	Dry	0%	0%	0%	0%	0%	77%	-	-	-	-15%	-8%	-2%
1986	Wet	0%	0%	0%	0%	0%	104%	31%	-13%	-20%	-	-41%	-9%
1987	Dry	-2%	-1%	0%	106%	31%	310%	-	-	-	-100%	-	133%
1988	Critical	-27%	0%	0%	0%	-11%	-	-	-	-	-	-	-2%
1989	Dry	-1%	-5%	58%	0%	429%	0%	14%	-	-	-	-	1%
1990	Critical	8%	0%	-9%	0%	27%	0%	-	-	-	-	-	-
1991	Critical	0%	0%	-7%	8%	8%	0%	-	-	-	-	-	0%
1992	Critical	0%	0%	0%	0%	0%	-4%	-13%	-	-	-	-	1%
1993	Above Norm	1%	26%	-4%	0%	0%	0%	0%	-	-2%	0%	4%	0%
1994	Critical	0%	0%	0%	0%	-1%	0%	-	-	-	0%	0%	0%
1995	Wet	262%	-1%	0%	0%	0%	-5%	-17%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	0%	-	-	-50%	0%	13%
1998	Wet	11%	0%	0%	0%	-10%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	-	-	-2%	0%	0%
2000	Above Norm	0%	0%	0%	0%	0%	0%	0%	-	-	-	0%	0%
2001	Dry	0%	0%	0%	0%	0%	-1%	-	-	-	-	-	-
2002	Dry	-7%	4%	0%	0%	142%	0%	248%	-	-	-9%	-2%	-1%
2003	Above Norm	38%	6%	0%	0%	-29%	133%	-8%	-	-	-	-11%	-2%
Average		8%	1%	6%	-1%	25%	7%	4%	-2%	-1%	-11%	-4%	5%
Wet		13%	0%	0%	-2%	1%	3%	0%	-1%	-1%	-3%	-2%	0%
Above Norm		9%	-1%	0%	-3%	3%	8%	0%	0%	0%	0%	-2%	-1%
Below Norm		-1%	5%	0%	-3%	0%	3%	-2%	0%	0%	-13%	-3%	-1%
Dry		8%	1%	11%	3%	27%	17%	15%	0%	0%	-7%	-5%	22%
Critical		6%	2%	27%	0%	121%	1%	-1%	0%	0%	-8%	0%	2%

Energy Use (GWh) At Pumping Plant at Red Bluff: CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	0.08	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.18	0
1923	Below Normal	0.05	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.01	0
1924	Critical	0.11	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.06	0
1925	Dry	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0
1926	Dry	0.10	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.08	0
1927	Wet	0.05	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.20	0
1928	Above Normal	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0
1929	Critical	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0
1930	Dry	0.06	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0
1931	Critical	0.07	0.01	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.07	0
1932	Dry	0.05	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0
1933	Critical	0.06	0.01	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.06	0
1934	Critical	0.04	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0
1935	Below Normal	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0
1936	Below Normal	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0
1937	Below Normal	0.10	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0
1938	Wet	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0
1939	Dry	0.10	0.00	0.00	0.00	0.05	0.13	0.00	0.00	0.00	0.00	0.00	0.11	0
1940	Above Normal	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0
1941	Wet	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0
1942	Wet	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0
1943	Wet	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0
1944	Dry	0.14	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.02	0
1945	Below Normal	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0
1946	Below Normal	0.04	0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.27	0
1947	Dry	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0
1948	Below Normal	0.04	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.19	0
1949	Dry	0.10	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0
1950	Below Normal	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0
1951	Above Normal	0.04	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.19	0
1952	Wet	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0
1953	Wet	0.17	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.20	0
1954	Above Normal	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0
1955	Dry	0.16	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.11	0
1956	Wet	0.08	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.15	0
1957	Above Normal	0.11	0.02	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.01	0
1958	Wet	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0
1959	Below Normal	0.16	0.02	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.15	0
1960	Dry	0.16	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0
1961	Dry	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0
1962	Below Normal	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0
1963	Wet	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0
1964	Dry	0.07	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.11	0
1965	Wet	0.05	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.16	0
1966	Below Normal	0.16	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.16	0
1967	Wet	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0
1968	Below Normal	0.16	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0
1969	Wet	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0
1970	Wet	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0
1971	Wet	0.08	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.16	0
1972	Below Normal	0.14	0.00	0.00	0.00	0.00	0.19	0.00	0.00	0.00	0.00	0.00	0.03	0
1973	Above Normal	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0
1974	Wet	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0
1975	Wet	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0
1976	Critical	0.05	0.00	0.00	0.00	0.05	0.08	0.00	0.00	0.00	0.00	0.00	0.05	0
1977	Critical	0.06	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.06	0
1978	Above Normal	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0
1979	Below Normal	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0
1980	Above Normal	0.05	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0
1981	Dry	0.15	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0
1982	Wet	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0
1983	Wet	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0
1984	Wet	0.14	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.16	0
1985	Dry	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0
1986	Wet	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0
1987	Dry	0.12	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0
1988	Critical	0.07	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.06	0
1989	Dry	0.06	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0
1990	Critical	0.05	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1991	Critical	0.04	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0
1992	Critical	0.06	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0
1993	Above Normal	0.05	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0
1994	Critical	0.12	0.01	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.29	0
1995	Wet	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0
1996	Wet	0.18	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0
1997	Wet	0.06	0.01	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.27	0
1998	Wet	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0
1999	Wet	0.10	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0
2000	Above Normal	0.15	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0
2001	Dry	0.04	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0
2002	Dry	0.06	0.01	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.21	0
2003	Above Normal	0.12	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal		0	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal		0	0	0	0	0	0	0	0	0	0	0	0	0
Dry		0	0	0	0	0	0	0	0	0	0	0	0	0
Critical		0	0	0	0	0	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Energy Use (GWh) At Pumping Plant at Red Bluff: CP3_2020

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	0.08	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.18	0
1923	Below Normal	0.05	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.01	0
1924	Critical	0.10	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.06	0
1925	Dry	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0
1926	Dry	0.11	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0
1927	Wet	0.05	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.20	0
1928	Above Normal	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0
1929	Critical	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0
1930	Dry	0.06	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0
1931	Critical	0.07	0.01	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.07	0
1932	Dry	0.05	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0
1933	Critical	0.06	0.01	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.06	0
1934	Critical	0.04	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0
1935	Below Normal	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0
1936	Below Normal	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0
1937	Below Normal	0.10	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0
1938	Wet	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0
1939	Dry	0.10	0.00	0.00	0.00	0.05	0.19	0.00	0.00	0.00	0.00	0.00	0.16	1
1940	Above Normal	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0
1941	Wet	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0
1942	Wet	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0
1943	Wet	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0
1944	Dry	0.15	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.07	0
1945	Below Normal	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0
1946	Below Normal	0.04	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.30	0
1947	Dry	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0
1948	Below Normal	0.04	0.00	0.00	0.00	0.01	0.02	0.00	0.00	0.00	0.00	0.00	0.19	0
1949	Dry	0.10	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0
1950	Below Normal	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0
1951	Above Normal	0.04	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.19	0
1952	Wet	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0
1953	Wet	0.17	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.20	0
1954	Above Normal	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0
1955	Dry	0.16	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.15	0
1956	Wet	0.09	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.15	0
1957	Above Normal	0.11	0.02	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.01	0
1958	Wet	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0
1959	Below Normal	0.16	0.02	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.15	0
1960	Dry	0.16	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0
1961	Dry	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0
1962	Below Normal	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0
1963	Wet	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0
1964	Dry	0.07	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.17	0
1965	Wet	0.05	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.19	0
1966	Below Normal	0.17	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.16	0
1967	Wet	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0
1968	Below Normal	0.16	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0
1969	Wet	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0
1970	Wet	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0
1971	Wet	0.10	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.16	0
1972	Below Normal	0.14	0.00	0.00	0.00	0.00	0.26	0.00	0.00	0.00	0.00	0.00	0.08	0
1973	Above Normal	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0
1974	Wet	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0
1975	Wet	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0
1976	Critical	0.05	0.00	0.00	0.00	0.05	0.11	0.00	0.00	0.00	0.00	0.00	0.07	0
1977	Critical	0.07	0.00	0.00	0.00	0.01	0.03	0.00	0.00	0.00	0.00	0.00	0.06	0
1978	Above Normal	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0
1979	Below Normal	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0
1980	Above Normal	0.06	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0
1981	Dry	0.15	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0
1982	Wet	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0
1983	Wet	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0
1984	Wet	0.14	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.16	0
1985	Dry	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0
1986	Wet	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0
1987	Dry	0.15	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0
1988	Critical	0.08	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.07	0
1989	Dry	0.06	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0
1990	Critical	0.05	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1991	Critical	0.04	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0
1992	Critical	0.06	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0
1993	Above Normal	0.05	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0
1994	Critical	0.12	0.01	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.29	0
1995	Wet	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0
1996	Wet	0.18	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0
1997	Wet	0.06	0.01	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.28	0
1998	Wet	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0
1999	Wet	0.10	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0
2000	Above Normal	0.15	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0
2001	Dry	0.04	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0
2002	Dry	0.07	0.01	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.28	0
2003	Above Normal	0.15	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal		0	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal		0	0	0	0	0	0	0	0	0	0	0	0	0
Dry		0	0	0	0	0	0	0	0	0	0	0	0	0
Critical		0	0	0	0	0	0	0	0	0	0	0	0	0

Difference in Energy Use (GWh) At Pumping Plant at Red Bluff: CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1927	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1928	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1932	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1935	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1940	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1945	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1946	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1947	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1948	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1949	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1951	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1957	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1961	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1963	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1965	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1966	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1968	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norm		0	0	0	0	0	0	0	0	0	0	0	0	0
Below Norm		0	0	0	0	0	0	0	0	0	0	0	0	0
Dry		0	0	0	0	0	0	0	0	0	0	0	0	0
Critical		0	0	0	0	0	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at Red Bluff: CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	-	-	-	-	0%	-	-	-	-	-	0%
1923	Below Norma	0%	-	-	-	-	-15%	-	-	-	-	-	-19%
1924	Critical	-10%	-15%	-	-	-	0%	-	-	-	-	-	0%
1925	Dry	0%	-	-	-	-	-	-	-	-	-	-	5%
1926	Dry	3%	-	-	-	-	21%	-	-	-	-	-	-86%
1927	Wet	5%	-	-	-	-	0%	-	-	-	-	-	0%
1928	Above Norma	0%	-	-	-	-	-	-	-	-	-	-	97%
1929	Critical	25%	-	-	-	-	40%	-	-	-	-	-	40%
1930	Dry	11%	4%	-	-	-	-	-	-	-	-	-	-3%
1931	Critical	-1%	0%	-	-	-	0%	-	-	-	-	-	0%
1932	Dry	0%	0%	-	-	-	11%	-	-	-	-	-	5%
1933	Critical	3%	1%	-	-	-	0%	-	-	-	-	-	0%
1934	Critical	0%	0%	-	-	-	-4%	-	-	-	-	-	-2%
1935	Below Norma	-1%	-	-	-	-	-	-	-	-	-	-	-8%
1936	Below Norma	-3%	-	-	-	-	-6%	-	-	-	-	-	-36%
1937	Below Norma	-4%	-6%	-	-	-	-	-	-	-	-	-	-7%
1938	Wet	-2%	-	-	-	-	-	-	-	-	-	-	0%
1939	Dry	0%	0%	-	-	0%	45%	-	-	-	-	-	42%
1940	Above Norma	19%	42%	-	-	-	-	-	-	-	-	-	0%
1941	Wet	0%	-	-	-	-	-	-	-	-	-	-	0%
1942	Wet	0%	-	-	-	-	-	-	-	-	-	-	0%
1943	Wet	0%	-	-	-	-	1%	-	-	-	-	-	2%
1944	Dry	1%	1%	-	-	-	34%	-	-	-	-	-	263%
1945	Below Norma	16%	-	-	-	-	-	-	-	-	-	-	6%
1946	Below Norma	0%	-100%	-	-	-	35%	-	-	-	-	-	8%
1947	Dry	6%	-	-	-	-	-	-	-	-	-	-	9%
1948	Below Norma	0%	-	-	-	9%	58%	-	-	-	-	-	41%
1949	Dry	0%	0%	-	-	-	-	-	-	-	-	-	0%
1950	Below Norma	13%	18%	-	-	-	10%	-	-	-	-	-	12%
1951	Above Norma	1%	-	-	-	-	0%	-	-	-	-	-	0%
1952	Wet	0%	-	-	-	-	-	-	-	-	-	-	0%
1953	Wet	0%	-	-	-	-	26%	-	-	-	-	-	0%
1954	Above Norma	0%	-	-	-	-	-	-	-	-	-	-	0%
1955	Dry	0%	-	-	-	-	38%	-	-	-	-	-	38%
1956	Wet	18%	-	-	-	-	0%	-	-	-	-	-	0%
1957	Above Norma	0%	0%	-	-	-	21%	-	-	-	-	-	5%
1958	Wet	0%	6%	-	-	-	-	-	-	-	-	-	0%
1959	Below Norma	0%	0%	-	-	-	0%	-	-	-	-	-	0%
1960	Dry	0%	0%	-	-	-	116%	-	-	-	-	-	14%
1961	Dry	6%	-	-	-	-	-	-	-	-	-	-	122%
1962	Below Norma	19%	-	-	-	-	-	-	-	-	-	-	28%
1963	Wet	0%	-	-	-	-	-	-	-	-	-	-	0%
1964	Dry	0%	-	-	-	-	45%	-	-	-	-	-	45%
1965	Wet	9%	-	-	-	-	35%	-	-	-	-	-	19%
1966	Below Norma	7%	-	-	-	-	0%	-	-	-	-	-	0%
1967	Wet	0%	-	-	-	-	0%	-	-	-	-	-	0%
1968	Below Norma	0%	0%	-	-	-	31%	-	-	-	-	-	29%
1969	Wet	9%	-	-	-	-	0%	-	-	-	-	-	0%
1970	Wet	0%	0%	-	-	-	38%	-	-	-	-	-	94%
1971	Wet	19%	-	-	-	-	8%	-	-	-	-	-	0%
1972	Below Norma	0%	0%	-	-	0%	35%	-	-	-	-	-	225%
1973	Above Norma	2%	-	-	-	-	-	-	-	-	-	-	0%
1974	Wet	0%	-	-	-	-	-	-	-	-	-	-	0%
1975	Wet	0%	0%	-	-	-	-	-	-	-	-	-	0%
1976	Critical	0%	0%	-	-	0%	40%	-	-	-	-	-	40%
1977	Critical	13%	40%	-	-	40%	0%	-	-	-	-	-	0%
1978	Above Norma	0%	-	-	-	-	-	-	-	-	-	-	0%
1979	Below Norma	0%	-	-	-	-	0%	-	-	-	-	-	55%
1980	Above Norma	6%	0%	-	-	-	-	-	-	-	-	-	0%
1981	Dry	0%	0%	-	-	-	-	-	-	-	-	-	0%
1982	Wet	0%	-	-	-	-	-	-	-	-	-	-	0%
1983	Wet	0%	-	-	-	-	-	-	-	-	-	-	0%
1984	Wet	0%	-	-	-	-	0%	-	-	-	-	-	0%
1985	Dry	0%	-	-	-	-	-	-	-	-	-	-	32%
1986	Wet	21%	-	-	-	-	-	-	-	-	-	-	330%
1987	Dry	28%	42%	-	-	-	4%	-	-	-	-	-	11%
1988	Critical	5%	-	-	-	-	7%	-	-	-	-	-	7%
1989	Dry	3%	0%	-	-	7%	-	-	-	-	-	-	5%
1990	Critical	2%	0%	-	-	-	-	-	-	-	-	-	-
1991	Critical	0%	0%	-	-	-	-	-	-	-	-	-	-1%
1992	Critical	0%	0%	-	-	-	-	-	-	-	-	-	9%
1993	Above Norma	1%	1%	-	-	-	-	-	-	-	-	-	0%
1994	Critical	0%	0%	-	-	-	0%	-	-	-	-	-	0%
1995	Wet	0%	-	-	-	-	-	-	-	-	-	-	0%
1996	Wet	0%	0%	-	-	-	-	-	-	-	-	-	0%
1997	Wet	0%	0%	-	-	-	7%	-	-	-	-	-	7%
1998	Wet	5%	-	-	-	-	-	-	-	-	-	-	0%
1999	Wet	0%	0%	-	-	-	-	-	-	-	-	-	0%
2000	Above Norma	0%	0%	-	-	-	-	-	-	-	-	-	0%
2001	Dry	0%	0%	-	-	-	36%	-	-	-	-	-	38%
2002	Dry	15%	0%	-	-	-	41%	-	-	-	-	-	36%
2003	Above Norma	24%	0%	-	-	-	-	-	-	-	-	-	0%
Average		4%	1%	#DIV/0!	#DIV/0!	9%	18%	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	19%
Wet		3%	0%	0%	0%	0%	4%	0%	0%	0%	0%	0%	17%
Above Norma		4%	4%	0%	0%	0%	2%	0%	0%	0%	0%	0%	9%
Below Norma		3%	-6%	0%	0%	1%	11%	0%	0%	0%	0%	0%	21%
Dry		4%	3%	0%	0%	0%	22%	0%	0%	0%	0%	0%	34%
Critical		3%	2%	0%	0%	3%	7%	0%	0%	0%	0%	0%	8%

Difference in Energy Use (GWh) At Pumping Plant at San Felipe: CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	0	-1	-1	-1	-1	0
1924	Critical	-1	-1	-1	-1	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1927	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	0	0	0	0	0	0	1	1	1	0
1929	Critical	1	1	0	0	0	0	0	0	0	0	0	1	0
1930	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1932	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1935	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	0	1	1	1	2	1	1
1940	Above Norma	1	1	1	1	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	1	1	1	1	1	1	0
1945	Below Norma	1	1	1	0	0	0	0	0	0	0	0	0	0
1946	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1947	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1948	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1949	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1951	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	1	1	1	1	1	0
1956	Wet	1	1	0	0	0	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	-1	-1	0	0	0	0	0	0	0	0	0
1961	Dry	0	0	0	0	0	0	0	1	1	1	1	1	0
1962	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1963	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	1	1	1	1	1	1	1	1
1965	Wet	1	1	1	1	0	0	0	0	0	0	0	0	0
1966	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	1	1	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	Below Norma	0	0	0	0	0	0	0	0	0	0	0	1	0
1980	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	1	0	0	0
1986	Wet	0	0	0	0	0	0	0	1	1	2	2	2	1
1987	Dry	1	1	1	1	1	0	0	0	0	1	1	0	1
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	0	0	0	0	0	0	0	0	0	1	1	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	1	1	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	Above Norma	0	0	0	0	0	0	0	0	0	1	-4	1	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Below Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Dry		0	0	0	0	0	0	0	0	0	0	0	0	0
Critical		0	0	0	0	0	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at San Felipe: CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	1%	1%	1%	0%	0%	0%	0%	0%	0%
1923	Below Norma	-1%	-1%	-1%	-1%	-3%	-13%	-9%	-17%	-18%	-18%	-17%	-15%
1924	Critical	-16%	-15%	-15%	-16%	-22%	-15%	-14%	-13%	-10%	-9%	-10%	-10%
1925	Dry	-10%	-11%	-11%	-13%	-8%	-1%	0%	1%	2%	2%	3%	2%
1926	Dry	1%	2%	3%	4%	4%	5%	8%	8%	8%	7%	7%	5%
1927	Wet	3%	1%	1%	3%	7%	1%	0%	1%	1%	1%	1%	0%
1928	Above Norma	0%	0%	0%	2%	3%	23%	2%	13%	17%	18%	18%	17%
1929	Critical	16%	13%	12%	16%	19%	15%	17%	18%	17%	15%	15%	16%
1930	Dry	16%	15%	15%	19%	21%	1%	1%	3%	4%	-3%	-6%	-3%
1931	Critical	-2%	-2%	-2%	-3%	-7%	-11%	-10%	-11%	-9%	-7%	-7%	-7%
1932	Dry	-8%	-8%	-9%	-5%	-1%	3%	3%	4%	4%	4%	4%	4%
1933	Critical	3%	3%	2%	3%	4%	0%	0%	0%	0%	0%	-1%	-1%
1934	Critical	-1%	-2%	-2%	-2%	0%	-1%	-1%	-1%	-2%	-2%	-2%	-2%
1935	Below Norma	-2%	-2%	-2%	-2%	-3%	-1%	0%	-2%	-3%	-4%	-4%	-3%
1936	Below Norma	-3%	-2%	-2%	-4%	-4%	-1%	-2%	-2%	-3%	-3%	-3%	-4%
1937	Below Norma	-5%	-5%	-5%	-5%	-5%	3%	-1%	-2%	-3%	-4%	-4%	-4%
1938	Wet	-4%	-4%	-5%	-5%	-5%	-1%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	1%	1%	1%	1%	16%	25%	33%	35%	34%	30%	27%
1940	Above Norma	26%	25%	26%	30%	34%	-1%	-2%	-2%	-3%	-4%	-5%	-5%
1941	Wet	-6%	-5%	-5%	-5%	-4%	2%	2%	2%	2%	1%	1%	1%
1942	Wet	0%	0%	-1%	-1%	0%	0%	0%	0%	0%	0%	-1%	-1%
1943	Wet	-1%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1944	Dry	0%	0%	0%	0%	2%	22%	27%	30%	32%	30%	25%	22%
1945	Below Norma	21%	19%	19%	24%	26%	0%	-1%	-1%	-1%	0%	0%	0%
1946	Below Norma	0%	0%	0%	0%	0%	-1%	2%	3%	3%	1%	0%	0%
1947	Dry	-1%	-2%	-1%	0%	1%	-1%	8%	10%	12%	12%	9%	8%
1948	Below Norma	6%	5%	6%	8%	10%	17%	3%	4%	2%	3%	3%	2%
1949	Dry	3%	4%	4%	4%	3%	1%	0%	-1%	-2%	-1%	1%	0%
1950	Below Norma	-1%	0%	0%	0%	0%	0%	3%	3%	3%	4%	4%	4%
1951	Above Norma	2%	-2%	-2%	3%	6%	0%	0%	-2%	-4%	-3%	-1%	-1%
1952	Wet	-1%	-3%	-3%	-3%	-3%	-2%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	1%	1%	0%	-1%
1954	Above Norma	-1%	-1%	-1%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%
1955	Dry	0%	-1%	-1%	-1%	-1%	10%	17%	21%	25%	22%	20%	18%
1956	Wet	17%	17%	17%	25%	27%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norma	1%	1%	1%	1%	1%	1%	1%	2%	2%	2%	2%	1%
1958	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	0%	0%	0%	0%	0%	1%	1%	0%	0%	0%
1960	Dry	-1%	-7%	-15%	-19%	-21%	-6%	-18%	-14%	-7%	-3%	1%	3%
1961	Dry	4%	4%	6%	11%	13%	5%	4%	15%	16%	14%	13%	10%
1962	Below Norma	6%	2%	1%	4%	6%	1%	-4%	-6%	-4%	1%	2%	1%
1963	Wet	0%	-1%	-2%	-2%	-3%	-7%	-6%	-6%	-6%	-4%	-2%	-1%
1964	Dry	-1%	-1%	-1%	2%	6%	26%	30%	39%	41%	36%	28%	22%
1965	Wet	22%	21%	22%	31%	31%	19%	15%	5%	3%	2%	4%	5%
1966	Below Norma	7%	9%	10%	11%	10%	-2%	0%	0%	0%	0%	0%	0%
1967	Wet	1%	1%	1%	3%	2%	0%	0%	0%	0%	0%	-1%	-1%
1968	Below Norma	-1%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%
1969	Wet	1%	0%	0%	2%	1%	0%	0%	0%	0%	0%	-1%	-1%
1970	Wet	-1%	-2%	-1%	0%	0%	10%	0%	7%	9%	10%	9%	7%
1971	Wet	7%	6%	6%	8%	8%	-1%	-1%	-1%	-1%	-1%	0%	0%
1972	Below Norma	0%	-1%	-1%	1%	4%	4%	6%	7%	6%	3%	0%	-1%
1973	Above Norma	-1%	0%	1%	0%	-1%	1%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	5%	10%	13%	16%	14%	12%	11%
1977	Critical	9%	4%	-3%	-2%	-2%	-20%	-20%	-21%	-21%	-19%	-16%	-15%
1978	Above Norma	-16%	-17%	-18%	-13%	-6%	-4%	0%	1%	3%	3%	1%	0%
1979	Below Norma	1%	2%	3%	3%	1%	15%	1%	6%	8%	7%	8%	9%
1980	Above Norma	9%	9%	10%	12%	10%	0%	0%	0%	0%	0%	1%	1%
1981	Dry	1%	1%	1%	1%	1%	1%	0%	0%	0%	0%	0%	0%
1982	Wet	-1%	-1%	-1%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	1%	1%	1%	1%	13%	6%	6%	6%	6%	7%	7%
1986	Wet	7%	6%	6%	6%	8%	25%	19%	25%	35%	35%	37%	43%
1987	Dry	45%	42%	43%	56%	65%	22%	18%	17%	18%	14%	11%	5%
1988	Critical	3%	4%	3%	4%	5%	-1%	-1%	-1%	-2%	0%	3%	3%
1989	Dry	2%	2%	0%	-1%	-2%	-7%	-6%	-5%	-2%	0%	2%	2%
1990	Critical	0%	-2%	-4%	0%	3%	0%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	1%	1%	0%	0%	0%	0%	1%	2%	2%	3%
1992	Critical	3%	4%	4%	4%	4%	3%	2%	3%	4%	4%	3%	1%
1993	Above Norma	1%	1%	0%	2%	3%	0%	0%	2%	5%	5%	2%	0%
1994	Critical	0%	0%	0%	1%	1%	1%	3%	5%	2%	-1%	-1%	-1%
1995	Wet	-1%	0%	4%	8%	8%	8%	8%	9%	10%	11%	12%	12%
1996	Wet	12%	13%	10%	3%	0%	0%	0%	0%	0%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	0%	1%	1%	1%	1%	1%
1998	Wet	0%	-1%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norma	0%	0%	1%	3%	5%	2%	0%	1%	1%	1%	1%	0%
2001	Dry	0%	0%	0%	0%	0%	1%	8%	11%	14%	12%	13%	10%
2002	Dry	9%	6%	5%	13%	19%	6%	1%	6%	7%	7%	5%	4%
2003	Above Norma	4%	-2%	-6%	-5%	-2%	-2%	9%	9%	10%	11%	-59%	10%
Average		2%	2%	1%	3%	3%	2%	2%	3%	3%	3%	2%	3%
Wet		2%	2%	2%	3%	3%	2%	1%	2%	2%	2%	2%	3%
Above Norma		2%	1%	1%	3%	4%	2%	1%	2%	3%	3%	-4%	2%
Below Norma		2%	2%	2%	3%	3%	2%	0%	-1%	-1%	-1%	-1%	-1%
Dry		3%	3%	2%	4%	6%	6%	7%	10%	12%	11%	10%	8%
Critical		1%	1%	0%	0%	0%	-2%	-1%	-1%	0%	0%	0%	0%

Difference in Energy Use (GWh) At Pumping Plant at San Luis Other: CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	-1	0	-1	-2	-3	-2	0	-1
1924	Critical	0	0	-1	-1	-1	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	0	0	0	0	0	0	1	0	0	0
1926	Dry	0	0	0	0	0	0	0	1	1	1	1	0	0
1927	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	0	0	1	0	2	3	3	2	1	1
1929	Critical	0	0	1	1	1	0	0	1	1	1	1	0	1
1930	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1932	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1935	Below Norma	0	0	0	0	0	0	0	0	-1	-1	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	-1	-1	-1	0	0
1937	Below Norma	0	0	0	0	0	0	0	0	-1	-1	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	1	1	2	4	5	3	1	1
1940	Above Norma	1	1	1	2	2	0	0	0	-1	-1	-1	0	0
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	1	1	2	3	4	3	1	1
1945	Below Norma	1	0	1	1	1	0	0	0	0	0	0	0	0
1946	Below Norma	0	0	0	0	0	0	0	0	1	1	0	0	0
1947	Dry	0	0	0	0	0	0	0	1	1	1	1	0	0
1948	Below Norma	0	0	0	0	0	1	0	0	0	0	0	0	0
1949	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Norma	0	0	0	0	0	0	0	1	1	1	1	0	0
1951	Above Norma	0	0	0	0	0	0	0	0	0	0	2	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	1	1	2	3	4	3	1	1
1956	Wet	0	0	1	1	1	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	1	0	0	1	1	1	0	0
1961	Dry	0	0	0	0	0	1	0	1	1	1	1	0	0
1962	Below Norma	0	0	0	0	0	0	0	0	1	1	1	0	0
1963	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	1	1	2	3	4	3	1	1
1965	Wet	1	0	1	1	1	1	1	1	1	1	1	0	1
1966	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	1	0	1	1	2	-5	0	0
1971	Wet	0	0	0	1	1	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	1	1	1	2	2	2	0	1
1977	Critical	0	0	0	1	1	0	0	0	0	0	0	0	0
1978	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	Below Norma	0	0	0	0	0	1	0	1	1	2	1	0	0
1980	Above Norma	0	0	0	1	1	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	1	0	1	1	1	1	0	0
1986	Wet	0	0	0	0	0	2	2	3	6	7	5	1	2
1987	Dry	1	1	1	2	2	0	0	1	1	1	1	0	1
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	Dry	0	0	0	0	0	0	0	0	1	1	1	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	1	1	0	0	0
1993	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	0	-1	0	0
2001	Dry	0	0	0	0	0	1	1	2	3	4	2	1	1
2002	Dry	0	0	1	1	1	0	0	0	1	1	1	0	1
2003	Above Norma	0	0	0	0	0	0	1	1	2	2	-3	0	0
Average		0	0	0	0	0	0	0	0	0	1	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Below Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Dry		0	0	0	0	0	0	0	1	1	2	1	0	1
Critical		0	0	0	0	0	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at San Luis Other: CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1923	Below Norm	0%	0%	0%	0%	0%	-12%	-6%	-14%	-14%	-14%	-14%	-13%
1924	Critical	-14%	-14%	-14%	-15%	-15%	0%	0%	0%	0%	0%	0%	0%
1925	Dry	0%	0%	0%	0%	0%	1%	1%	4%	4%	4%	4%	4%
1926	Dry	4%	4%	4%	4%	4%	17%	16%	16%	17%	17%	16%	13%
1927	Wet	14%	15%	17%	18%	17%	1%	0%	0%	0%	0%	0%	0%
1928	Above Norm	0%	0%	0%	0%	0%	26%	0%	18%	18%	18%	17%	17%
1929	Critical	17%	18%	18%	19%	18%	28%	27%	27%	29%	29%	27%	22%
1930	Dry	23%	26%	29%	32%	30%	-5%	-2%	-2%	-3%	-3%	-2%	-2%
1931	Critical	-2%	-2%	-3%	-3%	-3%	0%	0%	0%	0%	0%	0%	0%
1932	Dry	0%	0%	0%	0%	0%	8%	7%	8%	8%	8%	8%	6%
1933	Critical	6%	7%	8%	9%	8%	0%	0%	0%	0%	0%	0%	0%
1934	Critical	0%	0%	0%	0%	0%	-3%	-3%	-3%	-3%	-3%	-3%	-2%
1935	Below Norm	-2%	-3%	-3%	-3%	-3%	0%	-1%	-6%	-7%	-7%	-6%	-6%
1936	Below Norm	-6%	-6%	-7%	-7%	-7%	-6%	-6%	-6%	-6%	-6%	-6%	-5%
1937	Below Norm	-5%	-6%	-6%	-6%	-6%	9%	-4%	-6%	-6%	-6%	-6%	-5%
1938	Wet	-6%	-6%	-6%	-7%	-6%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	0%	40%	26%	32%	32%	32%	32%	30%
1940	Above Norm	30%	31%	33%	33%	33%	-7%	-6%	-6%	-6%	-6%	-6%	-6%
1941	Wet	-6%	-6%	-6%	-6%	-6%	0%	0%	0%	0%	0%	0%	0%
1942	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1944	Dry	0%	0%	0%	0%	0%	31%	30%	30%	31%	31%	30%	28%
1945	Below Norm	28%	30%	31%	32%	31%	0%	0%	0%	0%	0%	0%	0%
1946	Below Norm	0%	0%	0%	0%	0%	0%	4%	4%	4%	4%	4%	3%
1947	Dry	4%	4%	4%	4%	4%	10%	8%	8%	8%	8%	8%	8%
1948	Below Norm	8%	8%	8%	9%	8%	43%	1%	2%	2%	2%	2%	1%
1949	Dry	1%	1%	2%	2%	2%	12%	0%	0%	0%	0%	0%	0%
1950	Below Norm	0%	0%	0%	0%	0%	9%	10%	10%	11%	11%	10%	9%
1951	Above Norm	9%	10%	11%	11%	11%	0%	0%	0%	0%	0%	15%	0%
1952	Wet	0%	0%	0%	0%	0%	2%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1955	Dry	0%	0%	0%	0%	0%	33%	33%	33%	34%	34%	33%	29%
1956	Wet	30%	32%	34%	35%	34%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1958	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1960	Dry	0%	0%	0%	0%	0%	75%	11%	11%	11%	11%	11%	9%
1961	Dry	10%	10%	11%	12%	12%	23%	-2%	7%	8%	8%	7%	7%
1962	Below Norm	7%	7%	8%	8%	8%	6%	5%	5%	5%	5%	5%	5%
1963	Wet	5%	5%	5%	5%	5%	0%	0%	0%	0%	0%	0%	0%
1964	Dry	0%	0%	0%	0%	0%	36%	-29%	33%	33%	34%	33%	30%
1965	Wet	31%	32%	34%	35%	34%	17%	6%	6%	6%	6%	6%	6%
1966	Below Norm	6%	6%	6%	6%	6%	-5%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1968	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1969	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	12%	0%	9%	9%	9%	-41%	8%
1971	Wet	8%	9%	9%	9%	9%	0%	0%	0%	0%	0%	0%	0%
1972	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1973	Above Norm	0%	0%	0%	0%	0%	2%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	32%	30%	31%	32%	32%	31%	25%
1977	Critical	26%	29%	32%	35%	33%	0%	0%	0%	0%	0%	0%	0%
1978	Above Norm	0%	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%
1979	Below Norm	0%	0%	0%	0%	0%	18%	0%	8%	8%	8%	8%	7%
1980	Above Norm	7%	8%	8%	8%	8%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1982	Wet	0%	0%	0%	0%	0%	2%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	17%	7%	7%	7%	7%	7%	6%
1986	Wet	6%	6%	7%	7%	7%	45%	36%	39%	39%	39%	39%	36%
1987	Dry	36%	38%	39%	40%	40%	4%	9%	9%	10%	10%	9%	9%
1988	Critical	9%	9%	10%	10%	10%	6%	5%	5%	6%	6%	5%	5%
1989	Dry	5%	5%	6%	6%	6%	0%	8%	8%	9%	9%	8%	7%
1990	Critical	7%	8%	8%	9%	9%	0%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	0%	0%	0%	0%	-1%	-1%	-1%	-1%	-1%	-1%
1992	Critical	-1%	-1%	-1%	-1%	-1%	2%	5%	5%	5%	5%	5%	4%
1993	Above Norm	4%	5%	5%	5%	5%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1995	Wet	0%	0%	0%	0%	0%	4%	2%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1998	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-7%	0%
2001	Dry	0%	0%	0%	0%	0%	31%	32%	32%	33%	33%	32%	28%
2002	Dry	29%	31%	33%	35%	34%	7%	0%	4%	4%	4%	4%	4%
2003	Above Norm	4%	4%	4%	4%	4%	1%	12%	11%	11%	11%	-27%	10%
Average		4%	4%	5%	5%	5%	7%	4%	5%	5%	5%	4%	4%
Above Norm		3%	3%	4%	4%	4%	3%	2%	2%	2%	2%	0%	2%
Below Norm		5%	5%	5%	5%	5%	2%	0%	2%	2%	2%	-1%	2%
Dry		3%	3%	3%	3%	3%	4%	0%	0%	0%	0%	0%	0%
Critical		6%	7%	7%	8%	7%	19%	12%	13%	14%	14%	13%	12%
		4%	4%	5%	5%	5%	5%	5%	5%	6%	6%	5%	4%

Difference in Energy Use (GWh) At Pumping Plant at System Total: CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norm	2	0	0	0	0	-5	-1	-4	-5	-28	-20	1	-5
1924	Critical	2	-8	-16	2	44	0	0	0	0	4	0	46	6
1925	Dry	31	-4	4	-42	-157	-19	0	1	4	5	3	0	-15
1926	Dry	0	0	1	-1	4	2	3	14	5	3	2	20	4
1927	Wet	7	2	0	0	-17	-10	0	-8	0	1	3	0	-2
1928	Above Norm	0	0	0	0	-1	12	0	5	6	26	12	-1	5
1929	Critical	-1	-3	-1	-3	1	1	1	13	25	28	4	0	5
1930	Dry	0	-1	-1	-3	23	32	0	-1	-1	23	-18	-9	4
1931	Critical	-3	2	3	1	75	-2	0	0	0	-1	0	1	6
1932	Dry	2	10	3	-83	-7	0	0	1	1	1	0	0	-6
1933	Critical	0	0	18	1	1	0	0	0	0	0	0	12	3
1934	Critical	2	1	0	-15	0	0	0	0	0	0	0	8	0
1935	Below Norm	0	0	2	1	1	-31	0	-1	-1	-2	-6	1	-3
1936	Below Norm	0	1	0	1	-18	-1	-2	-1	-1	-9	5	1	-2
1937	Below Norm	2	2	1	-30	-2	1	-1	-3	-1	-2	-1	1	-3
1938	Wet	5	1	2	-25	-2	0	0	0	0	0	0	0	-2
1939	Dry	-4	0	0	0	0	17	3	17	9	49	48	24	14
1940	Above Norm	13	-10	1	-2	-5	0	-1	-1	-2	-3	-2	0	-1
1941	Wet	0	0	0	0	-14	0	0	0	0	0	0	0	-1
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	-1	0	0	0	0	0
1944	Dry	0	0	0	0	0	-5	3	6	22	48	34	4	9
1945	Below Norm	-2	-1	-1	-3	44	0	0	-3	0	0	0	0	3
1946	Below Norm	0	0	0	0	2	24	0	1	1	31	-5	0	4
1947	Dry	1	7	1	0	-1	-33	1	2	-7	23	16	1	1
1948	Below Norm	-1	3	1	-18	-1	-2	0	1	1	4	19	0	0
1949	Dry	1	-1	-3	-1	0	14	0	0	0	-1	1	0	1
1950	Below Norm	-4	2	1	0	0	3	-3	24	2	4	1	-1	2
1951	Above Norm	44	0	-2	-26	3	0	0	20	7	-9	4	0	3
1952	Wet	0	2	1	1	1	-14	0	0	0	0	0	0	-1
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norm	0	0	0	0	0	0	0	0	0	-1	0	0	0
1955	Dry	0	0	0	0	0	-51	4	5	21	36	69	37	10
1956	Wet	-18	0	-2	-5	15	0	0	-1	0	0	0	0	-1
1957	Above Norm	-2	0	0	5	0	0	0	0	0	-6	7	0	0
1958	Wet	0	0	0	0	0	1	0	0	0	0	0	0	0
1959	Below Norm	0	0	0	0	0	0	0	0	0	0	-1	1	0
1960	Dry	15	39	74	28	20	5	0	-11	-20	-16	-27	-7	8
1961	Dry	-1	-2	13	-3	-3	-24	0	3	3	11	1	33	3
1962	Below Norm	33	41	-2	-10	-1	0	0	11	1	-16	7	2	6
1963	Wet	1	5	1	1	13	1	0	0	0	4	0	0	2
1964	Dry	0	1	0	-1	0	-5	4	-6	-6	55	68	1	9
1965	Wet	-1	-2	-2	-5	53	19	2	2	2	6	2	0	6
1966	Below Norm	-2	-1	-2	-3	19	38	0	0	0	0	0	0	4
1967	Wet	0	9	0	-1	-1	-13	0	0	0	0	0	0	0
1968	Below Norm	0	0	0	0	0	0	0	0	0	3	0	-5	0
1969	Wet	6	0	0	0	0	-8	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	5	0	2	3	6	-11	0	0
1971	Wet	0	0	0	-1	24	0	0	0	0	0	0	0	2
1972	Below Norm	0	1	0	0	0	0	0	0	8	1	0	0	1
1973	Above Norm	-1	0	0	0	0	-16	0	0	0	0	0	0	-1
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	4	3	11	13	18	3	11	5
1977	Critical	24	33	67	9	111	0	-1	-1	-1	-47	-24	-2	14
1978	Above Norm	-47	-7	12	6	3	-73	0	0	0	0	0	0	-9
1979	Below Norm	0	-4	0	0	0	6	0	2	3	9	4	-1	1
1980	Above Norm	-1	-5	-1	-3	58	0	0	0	0	0	0	0	4
1981	Dry	0	0	0	0	0	0	0	0	1	0	-1	0	0
1982	Wet	11	1	0	0	0	-14	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	-1	0	0	0	52	1	2	-7	3	8	0	5
1986	Wet	0	-1	0	-1	-2	44	18	-4	10	71	10	-6	12
1987	Dry	-6	-4	-7	79	13	74	5	4	8	-12	31	32	18
1988	Critical	-17	2	0	0	-1	0	0	0	4	5	1	0	0
1989	Dry	0	-3	44	1	27	2	3	1	-5	-5	-6	1	5
1990	Critical	4	2	-6	0	16	0	0	0	0	-2	0	0	1
1991	Critical	0	0	-4	4	3	0	0	0	0	0	0	0	0
1992	Critical	-1	-2	0	0	-1	-2	0	3	3	1	6	1	1
1993	Above Norm	0	9	-4	0	-1	0	0	0	0	0	1	0	1
1994	Critical	0	0	0	0	-1	0	0	0	5	0	-1	-4	0
1995	Wet	32	-1	-11	-2	-2	-24	-17	0	0	0	1	0	-2
1996	Wet	-1	-3	-3	-1	0	0	0	0	2	0	0	0	-1
1997	Wet	0	0	0	0	-6	0	0	2	0	-3	1	6	0
1998	Wet	7	0	0	0	-16	0	0	0	0	0	0	0	-1
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norm	0	0	0	-1	-1	0	0	0	0	-3	-3	0	-1
2001	Dry	0	0	1	0	0	-3	2	5	22	29	14	14	7
2002	Dry	-4	5	-1	-3	31	-1	1	2	3	3	11	0	4
2003	Above Norm	27	18	8	2	-32	61	1	2	-10	5	-10	0	6
Average		2	2	2	-2	4	1	0	1	2	4	3	3	2
Wet		2	1	-1	-1	2	-1	0	0	1	3	0	0	0
Above Norm		3	0	1	-2	2	-1	0	2	0	1	1	0	1
Below Norm		2	3	0	-4	3	2	0	2	0	0	0	0	1
Dry		2	3	7	-1	-3	3	2	2	3	14	14	8	5
Critical		1	2	5	0	21	0	0	2	4	1	-1	6	3

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at System Total: CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1923	Below Norm	1%	0%	0%	0%	0%	-7%	-1%	-5%	-6%	-18%	-15%	0%
1924	Critical	1%	-6%	-13%	1%	138%	-2%	-1%	-1%	-1%	8%	-1%	141%
1925	Dry	55%	-11%	2%	-23%	-91%	-28%	0%	1%	6%	5%	6%	0%
1926	Dry	0%	0%	0%	-1%	3%	5%	5%	37%	14%	5%	5%	53%
1927	Wet	12%	1%	0%	0%	-10%	-14%	0%	-10%	0%	1%	2%	0%
1928	Above Norm	0%	0%	0%	0%	0%	14%	0%	5%	6%	26%	8%	-1%
1929	Critical	-1%	-2%	-1%	-2%	1%	4%	5%	30%	82%	48%	12%	0%
1930	Dry	0%	-1%	-1%	-1%	18%	66%	0%	-1%	-3%	42%	-32%	-11%
1931	Critical	-4%	2%	3%	0%	267%	-4%	-1%	-1%	-1%	-2%	2%	2%
1932	Dry	3%	14%	2%	-45%	-28%	2%	1%	2%	1%	1%	0%	0%
1933	Critical	0%	0%	26%	5%	4%	0%	0%	0%	0%	0%	0%	18%
1934	Critical	3%	2%	0%	-19%	0%	0%	0%	0%	-1%	-1%	-1%	24%
1935	Below Norm	1%	0%	2%	0%	1%	-35%	0%	-2%	-1%	-2%	-8%	1%
1936	Below Norm	0%	1%	0%	1%	-36%	-3%	-4%	-1%	-2%	-9%	6%	1%
1937	Below Norm	1%	2%	0%	-21%	-5%	5%	-3%	-4%	-3%	-2%	-1%	1%
1938	Wet	5%	1%	1%	-39%	-5%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	-3%	0%	0%	0%	0%	27%	7%	25%	11%	47%	54%	28%
1940	Above Norm	14%	-12%	1%	-1%	-3%	0%	-1%	-2%	-2%	-3%	-1%	0%
1941	Wet	0%	0%	0%	0%	-10%	0%	0%	0%	0%	0%	0%	0%
1942	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	-1%	0%	0%	0%	0%
1944	Dry	0%	0%	0%	0%	0%	-3%	7%	8%	30%	54%	46%	4%
1945	Below Norm	-2%	-1%	-1%	-2%	38%	0%	0%	-3%	0%	0%	0%	0%
1946	Below Norm	0%	0%	0%	0%	3%	20%	1%	1%	1%	26%	-4%	0%
1947	Dry	1%	5%	0%	0%	0%	-39%	2%	4%	-8%	21%	18%	1%
1948	Below Norm	-1%	2%	1%	-14%	-1%	-2%	0%	1%	1%	2%	15%	0%
1949	Dry	1%	-1%	-2%	0%	0%	15%	0%	0%	0%	-1%	1%	0%
1950	Below Norm	-4%	2%	1%	0%	0%	4%	-3%	46%	2%	5%	1%	-1%
1951	Above Norm	64%	0%	-1%	-42%	8%	0%	0%	28%	7%	-8%	2%	0%
1952	Wet	0%	1%	0%	1%	1%	-10%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	0%	0%
1955	Dry	0%	0%	0%	0%	0%	-50%	9%	7%	31%	34%	144%	49%
1956	Wet	-21%	0%	-1%	-3%	11%	0%	0%	-1%	0%	0%	0%	0%
1957	Above Norm	-2%	0%	0%	4%	0%	0%	0%	0%	0%	-4%	5%	0%
1958	Wet	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1959	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%
1960	Dry	22%	41%	111%	22%	16%	3%	1%	-16%	-28%	-19%	-36%	-7%
1961	Dry	-1%	-1%	11%	-2%	-42%	0%	4%	3%	8%	1%	41%	1%
1962	Below Norm	79%	51%	-2%	-6%	-1%	0%	1%	17%	1%	-11%	5%	1%
1963	Wet	1%	3%	1%	1%	9%	2%	0%	0%	0%	3%	0%	0%
1964	Dry	0%	1%	0%	0%	0%	-5%	10%	-9%	-8%	57%	85%	1%
1965	Wet	-1%	-2%	-1%	-3%	48%	31%	2%	2%	2%	4%	1%	0%
1966	Below Norm	-1%	-1%	-1%	-2%	15%	55%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	8%	0%	0%	0%	-9%	0%	0%	0%	0%	0%	0%
1968	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	2%	0%	-5%
1969	Wet	6%	0%	0%	0%	0%	-8%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	8%	0%	3%	3%	6%	-7%	0%
1971	Wet	0%	0%	0%	-1%	22%	0%	0%	0%	0%	0%	0%	0%
1972	Below Norm	0%	0%	0%	0%	0%	1%	0%	1%	10%	1%	0%	0%
1973	Above Norm	-1%	0%	0%	0%	0%	-11%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	8%	8%	28%	37%	29%	8%	24%
1977	Critical	36%	33%	214%	9%	432%	-2%	-2%	-2%	-2%	-48%	-45%	-3%
1978	Above Norm	-62%	-12%	12%	3%	2%	-53%	0%	0%	0%	0%	0%	0%
1979	Below Norm	0%	-3%	0%	0%	0%	11%	0%	2%	3%	6%	3%	0%
1980	Above Norm	-1%	-3%	-1%	-2%	63%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	-1%	0%
1982	Wet	15%	1%	0%	0%	0%	-9%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	61%	2%	2%	-7%	2%	5%	0%
1986	Wet	0%	0%	0%	0%	-1%	98%	27%	-3%	11%	109%	7%	-5%
1987	Dry	-4%	-3%	-4%	107%	25%	165%	11%	5%	11%	-10%	55%	42%
1988	Critical	-16%	1%	0%	0%	-2%	1%	1%	1%	8%	6%	2%	0%
1989	Dry	0%	-4%	56%	1%	123%	2%	5%	1%	-5%	-5%	-7%	1%
1990	Critical	4%	1%	-6%	0%	24%	0%	0%	0%	0%	-3%	0%	0%
1991	Critical	0%	0%	-6%	6%	6%	0%	0%	0%	0%	0%	0%	-1%
1992	Critical	-1%	-3%	0%	-1%	-1%	-3%	1%	6%	6%	2%	12%	1%
1993	Above Norm	0%	17%	-3%	0%	0%	0%	0%	0%	0%	0%	1%	0%
1994	Critical	0%	0%	0%	0%	-1%	0%	0%	0%	6%	0%	-1%	-3%
1995	Wet	60%	-1%	-7%	-1%	-1%	-13%	-18%	0%	0%	0%	0%	0%
1996	Wet	-1%	-2%	-2%	0%	0%	0%	0%	0%	2%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	-3%	0%	0%	4%	0%	-3%	1%	6%
1998	Wet	6%	0%	0%	0%	-10%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norm	0%	0%	0%	0%	-1%	0%	0%	0%	0%	-3%	-2%	0%
2001	Dry	0%	0%	1%	0%	0%	-2%	6%	9%	40%	36%	26%	27%
2002	Dry	-4%	4%	-1%	-2%	95%	-1%	2%	3%	3%	2%	10%	0%
2003	Above Norm	28%	15%	5%	1%	-27%	91%	2%	4%	-11%	6%	-8%	0%
Average		4%	2%	5%	-1%	14%	4%	1%	3%	3%	6%	5%	5%
Wet		3%	0%	0%	-2%	2%	3%	0%	0%	1%	5%	0%	0%
Above Norm		3%	0%	1%	-3%	3%	3%	0%	3%	0%	1%	0%	0%
Below Norm		5%	4%	0%	-3%	1%	3%	-1%	4%	0%	0%	0%	0%
Dry		4%	2%	10%	3%	9%	10%	4%	5%	5%	15%	21%	13%
Critical		2%	2%	18%	0%	72%	0%	1%	5%	11%	3%	-1%	17%

Difference in Energy Use (GWh) At Pumping Plant at Tehama Other: CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1927	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	0	0	0	0	1	1	1	1	1	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1932	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1935	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	0	0	0	1	0	0	0
1940	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1945	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1946	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1947	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1948	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1949	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1951	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	-1	1	0	0	0	0	0
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1961	Dry	0	0	0	0	0	0	0	0	0	1	0	0	0
1962	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1963	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	0	0	0	0	1	0	0	0
1965	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1966	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	1	1	1	1	1	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	0	1	1	1	1	1	0
1973	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	Below Norma	0	0	0	0	0	0	0	0	0	1	0	0	0
1980	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	1	1	1	1	1	0
1986	Wet	0	0	0	0	0	0	0	1	1	1	1	1	0
1987	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	1	1	1	1	0
2003	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Below Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Dry		0	0	0	0	0	0	0	0	0	0	0	0	0
Critical		0	0	0	0	0	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at Tehama Other: CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norm	0%	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1923	Below Norm	0%	-	-	-	-	-15%	-15%	-20%	-15%	-15%	-15%	-37%
1924	Critical	-9%	-15%	-	-	-	0%	0%	0%	0%	0%	0%	0%
1925	Dry	0%	-	-	-	-	-	1%	11%	5%	5%	5%	5%
1926	Dry	3%	-	-	-	-	21%	21%	198%	21%	21%	21%	-98%
1927	Wet	4%	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1928	Above Norm	0%	-	-	-	-	-	38%	52%	38%	38%	38%	119%
1929	Critical	24%	-	-	-	-	40%	40%	40%	40%	40%	40%	40%
1930	Dry	10%	3%	-	-	-	-	-3%	-9%	-3%	-3%	-3%	-3%
1931	Critical	-1%	0%	-	-	-	0%	0%	0%	0%	0%	0%	0%
1932	Dry	0%	0%	-	-	-	11%	8%	-41%	6%	5%	3%	5%
1933	Critical	3%	0%	-	-	-	0%	0%	0%	0%	0%	0%	0%
1934	Critical	0%	0%	-	-	-	-4%	-3%	-2%	-2%	-2%	-1%	-2%
1935	Below Norm	-1%	-	-	-	-	-	-	-19%	-8%	-8%	-8%	-8%
1936	Below Norm	-3%	-	-	-	-	-6%	-6%	-11%	-6%	-6%	-6%	-76%
1937	Below Norm	-4%	-6%	-	-	-	-	-5%	-14%	-7%	-7%	-7%	-7%
1938	Wet	-2%	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	-	-	0%	45%	39%	42%	42%	42%	42%	42%
1940	Above Norm	18%	42%	-	-	-	-	0%	0%	0%	0%	0%	0%
1941	Wet	0%	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1942	Wet	0%	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1943	Wet	0%	-	-	-	-	1%	1%	1%	1%	1%	1%	2%
1944	Dry	1%	1%	-	-	-	34%	34%	64%	34%	34%	34%	2358%
1945	Below Norm	15%	-	-	-	-	-	431%	3%	3%	3%	3%	7%
1946	Below Norm	0%	-100%	-	-	-	35%	13%	9%	8%	8%	8%	8%
1947	Dry	5%	-	-	-	-	-	9%	9%	9%	9%	9%	9%
1948	Below Norm	0%	-	-	-	9%	58%	2%	0%	0%	0%	0%	0%
1949	Dry	0%	0%	-	-	-	-	1345%	18%	18%	18%	18%	49%
1950	Below Norm	12%	18%	-	-	-	10%	12%	22%	12%	12%	12%	12%
1951	Above Norm	1%	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	-	-	-	-	25%	0%	0%	0%	0%	0%	0%
1954	Above Norm	0%	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1955	Dry	0%	-	-	-	-	38%	-99%	151%	38%	38%	38%	38%
1956	Wet	17%	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1957	Above Norm	0%	0%	-	-	-	21%	13%	8%	6%	6%	6%	0%
1958	Wet	0%	6%	-	-	-	-	0%	0%	0%	0%	0%	0%
1959	Below Norm	0%	0%	-	-	-	0%	0%	0%	0%	0%	0%	0%
1960	Dry	0%	0%	-	-	-	116%	14%	57%	14%	14%	14%	14%
1961	Dry	6%	-	-	-	-	-	1737%	42%	29%	29%	29%	175%
1962	Below Norm	18%	-	-	-	-	-	45%	18%	14%	14%	14%	32%
1963	Wet	0%	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1964	Dry	0%	-	-	-	-	45%	45%	45%	45%	45%	45%	45%
1965	Wet	8%	-	-	-	-	35%	13%	9%	10%	10%	10%	21%
1966	Below Norm	7%	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1968	Below Norm	0%	0%	-	-	-	-	58%	20%	16%	16%	16%	33%
1969	Wet	9%	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	-	-	-	38%	218%	48%	35%	36%	36%	118%
1971	Wet	18%	-	-	-	-	8%	0%	0%	0%	0%	0%	0%
1972	Below Norm	0%	0%	-	-	0%	35%	85%	49%	35%	35%	36%	510%
1973	Above Norm	2%	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1974	Wet	0%	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	-	-	-	-	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	-	-	0%	40%	40%	40%	40%	40%	40%	40%
1977	Critical	12%	40%	-	-	40%	0%	0%	0%	0%	0%	0%	0%
1978	Above Norm	0%	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1979	Below Norm	0%	-	-	-	-	0%	2337%	30%	23%	23%	23%	65%
1980	Above Norm	6%	0%	-	-	-	-	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	-	-	-	-	0%	0%	0%	0%	0%	0%
1982	Wet	0%	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1983	Wet	0%	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1984	Wet	0%	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	-	-	-	-	-	111%	32%	32%	32%	32%	32%
1986	Wet	20%	-	-	-	-	-	42%	61%	37%	42%	42%	530%
1987	Dry	26%	42%	-	-	-	4%	11%	11%	11%	11%	11%	11%
1988	Critical	4%	-	-	-	-	7%	7%	7%	7%	7%	7%	7%
1989	Dry	2%	0%	-	-	7%	-	10%	16%	10%	10%	10%	5%
1990	Critical	2%	0%	-	-	-	-	-	-	-	-	-	-
1991	Critical	0%	0%	-	-	-	-	-1%	-1%	-1%	-1%	0%	-1%
1992	Critical	0%	0%	-	-	-	-	4%	6%	4%	4%	3%	10%
1993	Above Norm	1%	0%	-	-	-	-	0%	-7%	0%	0%	0%	0%
1994	Critical	0%	0%	-	-	-	0%	-3%	0%	0%	0%	0%	0%
1995	Wet	0%	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	-	-	-	-	0%	0%	0%	0%	0%	0%
1997	Wet	0%	0%	-	-	-	7%	13%	9%	7%	7%	7%	7%
1998	Wet	5%	-	-	-	-	-	-	0%	0%	0%	0%	0%
1999	Wet	0%	0%	-	-	-	-	0%	0%	0%	0%	0%	0%
2000	Above Norm	0%	0%	-	-	-	-	0%	0%	0%	0%	0%	0%
2001	Dry	0%	0%	-	-	-	36%	-99%	77%	38%	38%	38%	38%
2002	Dry	13%	0%	-	-	-	41%	92%	53%	36%	36%	36%	36%
2003	Above Norm	23%	0%	-	-	-	-	0%	0%	0%	0%	0%	0%
Average		3%	1%	#DIV/0!	#DIV/0!	9%	18%	91%	14%	8%	8%	8%	52%
Wet		3%	0%	0%	0%	0%	4%	11%	5%	3%	4%	4%	26%
Above Norm		4%	4%	0%	0%	0%	2%	4%	4%	4%	4%	4%	10%
Below Norm		3%	-6%	0%	0%	1%	8%	211%	6%	5%	5%	5%	39%
Dry		4%	3%	0%	0%	0%	22%	182%	43%	21%	21%	21%	153%
Critical		3%	2%	0%	0%	3%	7%	7%	7%	7%	7%	7%	8%

Difference in Energy Use (GWh) At Pumping Plant at Tracy: CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	-2	0	0	0	-9	-9	0	-2
1924	Critical	0	-6	-7	0	27	0	0	0	0	3	0	22	3
1925	Dry	11	-1	0	-17	-52	-6	0	0	2	2	2	0	-5
1926	Dry	0	0	0	0	2	1	2	7	2	0	0	16	3
1927	Wet	3	0	0	0	-6	-3	0	-4	0	1	1	0	-1
1928	Above Norma	0	0	0	0	0	5	0	0	0	12	0	0	1
1929	Critical	0	0	0	0	2	0	0	6	17	18	1	0	4
1930	Dry	0	0	0	0	9	10	0	0	-1	17	-13	-4	1
1931	Critical	-2	1	1	0	30	-1	0	0	0	0	0	0	2
1932	Dry	0	2	0	-30	-2	0	0	0	0	0	0	0	-3
1933	Critical	0	0	7	0	0	0	0	0	0	0	0	4	1
1934	Critical	1	0	0	-5	0	0	0	0	0	0	0	7	0
1935	Below Norma	0	0	1	0	0	-10	0	0	0	0	-4	0	-1
1936	Below Norma	0	0	0	0	-7	-1	-1	0	0	-5	5	0	-1
1937	Below Norma	0	0	0	-12	-1	1	-1	-1	0	0	0	0	-1
1938	Wet	1	0	0	-10	-1	0	0	0	0	0	0	0	-1
1939	Dry	0	0	0	0	0	7	0	6	0	22	26	11	6
1940	Above Norma	6	-5	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	0	-5	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	11	25	19	2	5
1945	Below Norma	-1	0	0	0	16	0	0	-1	0	0	0	0	1
1946	Below Norma	0	0	0	0	1	8	0	0	0	18	0	0	2
1947	Dry	0	0	0	0	0	-10	0	0	-7	13	10	0	0
1948	Below Norma	0	1	0	-7	0	0	0	0	0	0	6	0	0
1949	Dry	1	0	0	0	0	5	0	0	0	0	1	0	1
1950	Below Norma	-2	1	0	0	0	1	0	13	0	1	0	0	1
1951	Above Norma	17	0	-1	-10	1	0	0	11	5	-6	0	0	1
1952	Wet	0	0	0	0	0	-5	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	-1	0	0	0
1955	Dry	0	0	0	0	0	-16	1	0	10	16	43	17	6
1956	Wet	-8	1	0	0	7	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	2	0	0	0	0	0	-4	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	6	17	30	11	6	0	0	-6	-15	-12	-20	-3	1
1961	Dry	0	0	5	0	0	-13	0	0	0	2	0	14	1
1962	Below Norma	20	18	-3	-4	0	0	0	6	0	-10	0	1	2
1963	Wet	0	0	0	0	5	0	0	0	0	3	0	0	1
1964	Dry	0	0	0	0	0	0	1	-7	-11	24	30	1	3
1965	Wet	0	0	0	0	20	7	0	0	0	0	0	0	2
1966	Below Norma	0	0	0	0	8	12	0	0	0	0	0	0	2
1967	Wet	0	4	0	0	0	-4	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	2	0	-2	0
1969	Wet	3	0	0	0	0	-3	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	2	0	0	0	1	0	0	0
1971	Wet	0	0	0	0	10	0	0	0	0	0	0	0	1
1972	Below Norma	0	0	0	0	0	0	0	0	6	1	0	0	1
1973	Above Norma	-1	0	0	0	0	-5	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	1	0	0	0
1976	Critical	0	0	0	0	0	2	1	4	7	9	0	8	3
1977	Critical	10	15	28	3	43	0	0	0	0	-24	-17	-1	5
1978	Above Norma	-23	-4	4	0	0	-23	0	0	0	0	0	0	-4
1979	Below Norma	0	0	0	0	0	3	0	0	0	0	1	0	0
1980	Above Norma	0	0	0	0	20	0	0	0	0	0	0	0	2
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	5	0	0	0	0	-4	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	19	0	0	-7	0	0	0	1
1986	Wet	0	0	0	0	0	17	8	0	0	42	0	0	5
1987	Dry	0	0	0	33	7	25	3	1	4	-10	21	14	8
1988	Critical	-8	0	0	0	-1	0	0	0	3	3	0	0	0
1989	Dry	0	-1	17	0	12	0	1	0	-4	-5	-5	1	1
1990	Critical	2	0	-4	0	6	0	0	0	0	-1	0	0	0
1991	Critical	0	0	-2	1	1	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	-1	0	1	2	0	4	0	1
1993	Above Norma	0	4	-2	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	5	0	0	-2	0
1995	Wet	15	0	-3	0	0	-7	-5	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	2	0	0	0	0
1997	Wet	0	0	0	0	-2	0	0	2	0	-3	-1	3	0
1998	Wet	3	0	0	0	-5	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	-3	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	14	18	7	9	4
2002	Dry	-2	2	0	0	12	0	0	0	0	0	2	0	1
2003	Above Norma	12	7	0	0	-11	21	0	0	-14	0	0	0	1
Average		1	1	1	-1	2	0	0	0	0	2	1	1	1
Wet		1	0	0	0	1	0	0	0	0	2	0	0	0
Above Norma		1	0	0	-1	1	0	0	1	-1	0	0	0	0
Below Norma		1	1	0	-2	1	1	0	1	0	0	0	0	0
Dry		1	1	3	0	0	1	0	0	0	6	7	4	2
Critical		0	1	2	0	9	0	0	1	3	1	-1	3	2

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at Tracy: CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1923	Below Norm	0%	0%	0%	0%	0%	-6%	0%	0%	0%	-13%	-14%	0%
1924	Critical	0%	-9%	-13%	0%	243%	0%	0%	0%	0%	11%	0%	105%
1925	Dry	32%	-8%	0%	-25%	-85%	-16%	0%	0%	8%	5%	9%	0%
1926	Dry	0%	0%	1%	0%	3%	4%	5%	56%	18%	1%	0%	69%
1927	Wet	8%	0%	0%	0%	-9%	-8%	0%	-15%	0%	2%	2%	0%
1928	Above Norm	0%	0%	0%	0%	0%	12%	0%	0%	0%	37%	0%	0%
1929	Critical	0%	0%	0%	0%	3%	-1%	0%	35%	136%	61%	8%	0%
1930	Dry	0%	0%	0%	0%	18%	34%	0%	-1%	-5%	93%	-52%	-8%
1931	Critical	-3%	2%	1%	0%	197%	-3%	0%	0%	0%	-2%	5%	0%
1932	Dry	0%	6%	0%	-45%	-19%	0%	1%	0%	0%	0%	-1%	0%
1933	Critical	0%	0%	23%	4%	4%	0%	0%	0%	0%	0%	0%	12%
1934	Critical	2%	2%	-1%	-18%	0%	0%	0%	0%	0%	0%	0%	30%
1935	Below Norm	2%	0%	2%	0%	0%	-25%	0%	0%	0%	0%	-9%	0%
1936	Below Norm	0%	0%	0%	0%	-33%	-2%	-4%	0%	0%	-12%	11%	0%
1937	Below Norm	0%	0%	0%	-20%	-5%	5%	-3%	-4%	0%	0%	1%	0%
1938	Wet	1%	0%	0%	-37%	-6%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	0%	20%	0%	25%	0%	47%	64%	20%
1940	Above Norm	10%	-11%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	0%	-9%	0%	0%	0%	0%	0%	0%	0%
1942	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	-2%	0%	0%	0%	0%
1944	Dry	0%	0%	0%	0%	0%	0%	0%	0%	34%	70%	61%	4%
1945	Below Norm	-1%	0%	0%	0%	38%	0%	0%	-4%	0%	0%	0%	0%
1946	Below Norm	0%	0%	0%	0%	5%	15%	0%	0%	0%	38%	0%	0%
1947	Dry	0%	0%	0%	0%	0%	-25%	0%	0%	-17%	26%	23%	1%
1948	Below Norm	-1%	1%	1%	-12%	0%	0%	0%	0%	0%	0%	9%	0%
1949	Dry	1%	0%	0%	0%	0%	12%	0%	0%	0%	0%	1%	0%
1950	Below Norm	-3%	1%	1%	0%	0%	3%	0%	71%	0%	3%	0%	0%
1951	Above Norm	38%	0%	-2%	-39%	8%	0%	0%	52%	13%	-14%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	-9%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	-3%	0%	0%
1955	Dry	0%	0%	0%	0%	0%	-34%	3%	0%	33%	31%	291%	35%
1956	Wet	-15%	1%	0%	0%	14%	0%	0%	-1%	0%	0%	0%	0%
1957	Above Norm	0%	0%	0%	4%	0%	0%	0%	0%	0%	-7%	0%	0%
1958	Wet	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1959	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	1%
1960	Dry	15%	35%	94%	19%	11%	0%	0%	-24%	-42%	-31%	-54%	-5%
1961	Dry	0%	0%	11%	0%	0%	-40%	0%	2%	0%	4%	0%	29%
1962	Below Norm	77%	44%	-5%	-6%	0%	0%	0%	30%	0%	-15%	0%	1%
1963	Wet	0%	0%	0%	0%	8%	1%	0%	0%	0%	6%	0%	0%
1964	Dry	0%	0%	0%	0%	0%	-1%	3%	-26%	-29%	57%	81%	1%
1965	Wet	0%	0%	0%	0%	48%	20%	0%	0%	0%	0%	0%	0%
1966	Below Norm	0%	0%	0%	0%	14%	29%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	8%	0%	0%	0%	-7%	0%	0%	0%	0%	0%	0%
1968	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	3%	0%	-4%
1969	Wet	5%	0%	0%	0%	0%	-6%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	6%	0%	0%	0%	3%	0%	0%
1971	Wet	0%	0%	0%	0%	19%	0%	0%	0%	0%	0%	0%	0%
1972	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	17%	1%	0%	0%
1973	Above Norm	-1%	0%	0%	0%	0%	-8%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	1%	0%	1%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	7%	5%	33%	48%	30%	-4%	27%
1977	Critical	25%	29%	182%	7%	300%	0%	0%	0%	0%	-48%	-58%	-2%
1978	Above Norm	-53%	-15%	8%	0%	0%	-46%	0%	0%	0%	0%	0%	0%
1979	Below Norm	0%	0%	0%	0%	0%	10%	0%	0%	0%	0%	2%	0%
1980	Above Norm	0%	0%	0%	0%	52%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%
1982	Wet	10%	0%	0%	0%	0%	-8%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	42%	0%	0%	-17%	0%	0%	0%
1986	Wet	0%	0%	0%	0%	0%	82%	28%	0%	0%	355%	0%	0%
1987	Dry	0%	0%	0%	102%	23%	90%	11%	3%	12%	-18%	107%	28%
1988	Critical	-13%	0%	0%	0%	-5%	0%	0%	0%	10%	7%	0%	0%
1989	Dry	0%	-3%	47%	0%	98%	0%	4%	0%	-10%	-10%	-13%	1%
1990	Critical	3%	0%	-8%	0%	19%	0%	0%	0%	0%	-4%	0%	0%
1991	Critical	0%	0%	-5%	6%	5%	0%	0%	0%	0%	0%	0%	0%
1992	Critical	0%	0%	0%	0%	0%	-2%	0%	8%	10%	0%	38%	1%
1993	Above Norm	0%	15%	-3%	0%	0%	0%	0%	0%	0%	0%	1%	0%
1994	Critical	0%	0%	0%	0%	-1%	0%	0%	0%	15%	0%	0%	-3%
1995	Wet	44%	-1%	-5%	0%	0%	-10%	-12%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	0%	0%	0%	0%	0%	0%	5%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	-3%	0%	0%	11%	0%	-4%	-2%	4%
1998	Wet	5%	0%	0%	0%	-9%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	-7%	0%	0%
2001	Dry	0%	0%	1%	0%	0%	0%	0%	0%	57%	41%	31%	28%
2002	Dry	-3%	4%	0%	0%	66%	0%	2%	0%	0%	0%	2%	0%
2003	Above Norm	22%	13%	0%	0%	-22%	56%	0%	0%	-36%	2%	0%	0%
Average		3%	1%	4%	-1%	12%	2%	1%	3%	3%	9%	7%	5%
Wet		2%	0%	0%	-1%	2%	2%	1%	0%	0%	14%	0%	0%
Above Norm		1%	0%	0%	-3%	3%	1%	0%	4%	-2%	1%	0%	0%
Below Norm		5%	3%	0%	-3%	1%	2%	-1%	7%	1%	0%	0%	0%
Dry		3%	2%	9%	3%	6%	5%	2%	2%	2%	18%	31%	11%
Critical		1%	2%	15%	0%	64%	0%	0%	6%	18%	5%	-1%	14%

Difference in Energy generated (GWh) at Alamo Dam: CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	1	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	2	1	1	0	0	0	0	0	0	0
1925	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	1	1	0	-1	3	0	0	0	0	0	0	0
1927	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	0	0	0	2	0	0	0	0	0	0
1931	Critical	1	1	1	2	2	1	-1	-1	-1	-1	-1	-1	0
1932	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1935	Below Norma	0	0	0	0	0	-1	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	0	0	0	0	2	0	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1940	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	1	0	0	0	0	0	0	0	0
1945	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1946	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1947	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1948	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1949	Dry	0	0	0	-1	-1	0	0	-1	-1	-1	-1	-1	-1
1950	Below Norma	-1	-1	-1	0	0	2	0	0	0	0	0	0	0
1951	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1956	Wet	0	1	0	0	0	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	1	0	0	0	0	0	0
1961	Dry	0	1	2	3	2	-2	1	0	0	0	0	0	1
1962	Below Norma	1	1	1	1	1	-7	0	0	0	0	0	0	0
1963	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	2	0	0	2	-1	-6	1	0	0	0
1965	Wet	1	1	1	0	0	0	0	0	0	0	0	0	0
1966	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	1	0	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	2	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	1	0	-1	0	-1	-1	0
1973	Above Norma	0	0	1	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	1	1	1	1	1	0
1977	Critical	1	1	1	0	0	0	-1	-1	-1	-1	-1	-1	0
1978	Above Norma	0	0	0	9	-2	0	0	0	0	0	0	0	0
1979	Below Norma	0	0	0	-1	0	0	0	0	0	0	0	0	0
1980	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	1	0	0	0
1986	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	Dry	0	0	0	0	0	-1	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	-1	-1	-1	-1	0	0
1989	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	3	3	1	0	0	0	0	0	0	1
1991	Critical	0	0	0	0	0	0	0	1	1	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	2	0	-8	2	1	1	0
1995	Wet	2	2	3	1	0	0	0	0	0	0	0	0	1
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	3	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	Above Norma	0	0	1	0	0	0	0	0	0	0	0	0	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norma		0	0	0	1	0	0	0	0	0	0	0	0	0
Below Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Dry		0	0	0	0	0	0	0	0	0	0	0	0	0
Critical		0	0	0	1	1	0	0	0	-1	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy generated (GWh) at Alamo Dam: CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	282%	3%	0%	0%	0%	0%	0%	0%	0%
1923	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1924	Critical	0%	0%	0%	20%	19%	19%	1%	2%	2%	2%	2%	2%
1925	Dry	2%	2%	1%	3%	0%	24%	-4%	-5%	-5%	-1%	2%	3%
1926	Dry	7%	13%	11%	10%	-16%	44%	1%	0%	0%	0%	0%	0%
1927	Wet	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1928	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1929	Critical	-1%	-2%	-2%	1%	1%	1%	2%	2%	2%	-2%	2%	2%
1930	Dry	2%	2%	2%	3%	1%	0%	21%	0%	0%	0%	0%	0%
1931	Critical	8%	8%	18%	79%	68%	48%	-7%	-7%	-7%	-7%	-7%	-7%
1932	Dry	-8%	-8%	-8%	-6%	-2%	-9%	2%	2%	2%	0%	-2%	-2%
1933	Critical	-5%	-8%	-7%	-5%	-5%	-1%	4%	4%	4%	1%	-1%	-1%
1934	Critical	-3%	-6%	-5%	-5%	-4%	-2%	-1%	-1%	-1%	-1%	-1%	-1%
1935	Below Norma	-1%	-1%	-1%	-1%	0%	-11%	0%	0%	0%	0%	0%	0%
1936	Below Norma	0%	2%	-1%	-2%	2%	0%	0%	0%	0%	0%	0%	0%
1937	Below Norma	0%	0%	-3%	3%	0%	25%	0%	0%	0%	0%	0%	0%
1938	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1940	Above Norma	0%	0%	0%	2%	2%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1942	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1944	Dry	0%	1%	1%	1%	5%	0%	0%	0%	0%	0%	0%	0%
1945	Below Norma	0%	0%	0%	-1%	1%	0%	0%	0%	0%	0%	0%	0%
1946	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1947	Dry	0%	0%	0%	-1%	0%	2%	0%	0%	0%	0%	0%	0%
1948	Below Norma	0%	0%	0%	6%	6%	3%	-3%	0%	0%	0%	0%	0%
1949	Dry	0%	0%	0%	-14%	-14%	-12%	-5%	-6%	-6%	-7%	-7%	-7%
1950	Below Norma	-8%	-9%	-9%	-9%	-5%	47%	0%	0%	0%	0%	0%	0%
1951	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1955	Dry	0%	0%	0%	0%	0%	2%	-5%	-2%	-2%	1%	3%	3%
1956	Wet	6%	10%	9%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1958	Wet	2%	2%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1960	Dry	0%	1%	1%	1%	1%	1%	13%	0%	0%	0%	0%	0%
1961	Dry	5%	10%	22%	65%	50%	-31%	15%	0%	0%	0%	0%	0%
1962	Below Norma	7%	7%	13%	38%	34%	-62%	0%	0%	0%	0%	0%	0%
1963	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1964	Dry	0%	0%	0%	27%	0%	0%	17%	-14%	-56%	5%	-1%	-1%
1965	Wet	7%	7%	12%	0%	0%	2%	0%	3%	3%	3%	3%	3%
1966	Below Norma	3%	3%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	0%	10%	0%	0%	0%	0%	0%	0%	0%	0%
1968	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1969	Wet	0%	1%	1%	17%	0%	0%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1972	Below Norma	0%	0%	0%	5%	0%	0%	19%	-3%	-6%	-1%	-7%	-7%
1973	Above Norma	1%	1%	8%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	0%	6%	6%	6%	6%	6%
1977	Critical	6%	6%	6%	5%	4%	1%	-27%	-28%	-27%	-26%	-26%	-27%
1978	Above Norma	-28%	-30%	-28%	1259%	-19%	0%	0%	0%	0%	0%	0%	0%
1979	Below Norma	0%	0%	0%	-34%	0%	0%	0%	0%	0%	0%	0%	0%
1980	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1982	Wet	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	6%	-4%	0%
1986	Wet	0%	0%	0%	-3%	0%	0%	0%	0%	0%	0%	0%	0%
1987	Dry	0%	4%	4%	0%	0%	-8%	-2%	-2%	-2%	-2%	-2%	-2%
1988	Critical	-2%	-2%	-2%	-4%	0%	-4%	-7%	-7%	-7%	-7%	-7%	-7%
1989	Dry	-8%	-8%	-7%	-7%	-13%	-6%	0%	0%	0%	0%	0%	0%
1990	Critical	0%	0%	0%	417%	318%	142%	1%	1%	1%	1%	1%	1%
1991	Critical	1%	1%	1%	-1%	-4%	-9%	7%	7%	7%	7%	7%	7%
1992	Critical	7%	8%	7%	5%	1%	-26%	6%	3%	3%	0%	-2%	-2%
1993	Above Norma	-5%	-8%	-7%	-6%	0%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	0%	0%	0%	23%	5%	-85%	18%	8%	8%
1995	Wet	24%	25%	37%	14%	0%	0%	0%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	4%	4%	4%	4%	4%	4%
1998	Wet	4%	4%	4%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norma	0%	0%	0%	32%	0%	0%	0%	0%	0%	0%	0%	0%
2001	Dry	0%	0%	0%	0%	0%	0%	2%	2%	2%	2%	0%	0%
2002	Dry	2%	2%	2%	1%	0%	0%	1%	0%	0%	0%	0%	0%
2003	Above Norma	5%	5%	5%	0%	0%	1%	0%	0%	0%	7%	9%	0%
Average		0%	1%	1%	27%	5%	2%	1%	0%	-2%	0%	0%	0%
Wet		2%	2%	3%	2%	0%	0%	0%	0%	0%	0%	0%	0%
Above Norma		-2%	-3%	-2%	131%	-1%	0%	0%	0%	0%	1%	1%	0%
Below Norma		0%	0%	0%	0%	3%	0%	1%	0%	0%	0%	0%	-1%
Dry		0%	1%	2%	5%	1%	0%	3%	-1%	-4%	0%	-1%	0%
Critical		1%	0%	1%	43%	33%	14%	0%	-1%	-9%	0%	-2%	-2%

Difference in Energy generated (GWh) at Castaic: CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	4	2	0	-1	-1	-1	-1	-1	-1	0
1923	Below Norma	-1	-1	-1	0	0	0	0	0	0	0	9	6	1
1924	Critical	3	2	2	1	1	0	0	0	0	0	0	0	1
1925	Dry	0	0	0	-30	0	0	3	2	1	1	6	6	-1
1926	Dry	7	8	4	1	0	16	-3	4	-1	-1	-1	-1	3
1927	Wet	-1	-1	-1	0	3	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	12	0	3	5	-1	-1	-1	-1	-1	1
1929	Critical	-1	-1	-1	0	0	0	1	1	1	1	1	0	0
1930	Dry	0	0	0	0	-7	0	4	1	-1	-4	-4	-2	-1
1931	Critical	4	5	12	7	7	2	-2	-3	-3	-4	-2	-2	2
1932	Dry	-1	0	0	0	0	-2	-1	-1	-1	-1	-3	-3	-1
1933	Critical	-3	-4	0	-2	9	-1	-1	-1	-1	-1	-4	-4	-1
1934	Critical	-5	-6	-3	0	8	0	0	0	0	0	0	0	-1
1935	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	-1	0	0	3	1	1	2	2	2	1
1937	Below Norma	3	3	8	1	0	0	-2	-2	-2	-2	-2	-2	0
1938	Wet	-3	-2	-3	1	0	0	0	-2	0	0	0	0	-1
1939	Dry	0	0	0	0	1	1	0	0	0	0	0	0	0
1940	Above Norma	0	0	0	-1	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	11	3	0	0	0	2	0	0	-3	1
1942	Wet	-2	-1	-1	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	1	1	1	1	1	1	0
1944	Dry	1	1	1	0	23	2	-3	-3	-3	-3	-3	-3	1
1945	Below Norma	-3	-3	-3	-1	9	-12	0	0	0	0	0	0	-1
1946	Below Norma	0	0	0	1	0	0	0	0	1	0	0	0	0
1947	Dry	0	0	0	0	0	17	4	4	4	4	4	4	3
1948	Below Norma	4	4	4	0	1	0	-4	-2	-2	-2	-2	-2	0
1949	Dry	-2	-2	-2	-1	0	0	-3	-4	-4	-5	-6	-5	-3
1950	Below Norma	-5	-5	-3	-1	0	-7	1	1	1	1	1	1	-1
1951	Above Norma	1	1	1	1	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	1	0	0	0	0	0	0
1954	Above Norma	0	0	0	1	0	0	0	0	0	-2	-1	0	0
1955	Dry	0	0	0	0	0	1	1	2	2	2	6	6	2
1956	Wet	7	8	5	0	-1	0	0	0	0	0	0	0	2
1957	Above Norma	0	0	0	1	0	0	3	3	1	1	1	1	1
1958	Wet	1	1	1	0	3	0	0	0	0	0	0	0	1
1959	Below Norma	0	0	-2	0	1	1	1	1	1	1	1	1	0
1960	Dry	1	1	1	0	0	0	6	1	-2	-8	-7	-4	-1
1961	Dry	5	7	19	10	-26	4	3	1	-1	-4	-3	-1	1
1962	Below Norma	3	4	10	4	5	-24	-18	-4	-4	-4	-4	-5	-3
1963	Wet	-5	-5	-5	-4	0	0	0	-2	-3	-2	-1	-1	-2
1964	Dry	-1	-1	-1	23	0	16	15	-2	-3	-3	-2	-1	3
1965	Wet	3	4	9	8	1	1	1	1	1	2	2	1	3
1966	Below Norma	1	1	1	0	0	0	0	0	0	0	0	0	1
1967	Wet	0	0	0	10	2	0	-1	-1	-1	-1	-1	-1	0
1968	Below Norma	-1	-1	0	0	0	0	1	1	1	1	1	1	0
1969	Wet	1	1	1	9	2	0	-1	-1	-1	-1	-1	-1	1
1970	Wet	-1	-1	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	11	-5	1
1972	Below Norma	-2	-1	-1	16	1	10	6	-2	-3	-6	-6	-4	1
1973	Above Norma	0	1	6	-8	-8	0	0	0	0	0	0	0	-1
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	1	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	4	3	3	3	3	3	2
1977	Critical	3	3	3	0	1	0	-3	-4	-4	-5	-3	-3	-1
1978	Above Norma	0	0	0	13	-9	0	1	3	3	4	4	2	2
1979	Below Norma	8	9	14	-9	-6	-4	0	0	0	0	0	0	1
1980	Above Norma	0	0	0	2	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	1	0	0	1	1	1	1	1	1	0
1982	Wet	1	1	1	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	-4	-2	-2	-4	-4	-1
1986	Wet	-4	-4	-4	0	10	0	2	2	2	2	2	2	1
1987	Dry	2	2	2	2	-1	-10	-1	-1	-1	-1	-1	-1	-1
1988	Critical	-1	-1	-1	-2	-7	0	-2	-2	-3	-3	-2	-2	-2
1989	Dry	-1	0	0	0	0	1	1	1	1	1	1	1	1
1990	Critical	2	2	4	10	9	3	0	0	0	0	0	0	3
1991	Critical	0	0	0	0	0	-1	2	2	2	3	2	2	1
1992	Critical	1	0	0	0	0	-21	14	-1	-1	-1	-4	-4	-1
1993	Above Norma	-4	-5	-2	0	0	0	0	0	0	0	0	0	-1
1994	Critical	0	0	0	-1	0	2	5	1	-15	1	2	4	0
1995	Wet	9	10	18	7	0	0	3	13	3	5	2	1	6
1996	Wet	1	1	-30	7	10	0	-2	3	0	0	0	0	-1
1997	Wet	0	0	0	0	0	0	2	2	2	2	2	2	1
1998	Wet	2	2	2	0	0	0	0	0	0	0	0	0	1
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	14	0	0	5	8	6	6	1	-1	3
2001	Dry	-2	-2	-2	0	-1	0	1	1	1	1	1	1	0
2002	Dry	1	1	0	0	5	0	3	2	2	1	1	2	2
2003	Above Norma	2	3	4	9	0	12	-4	-1	-2	-1	-1	0	2
Average		0	0	1	2	1	0	1	0	0	0	0	0	0
Wet		0	1	0	2	1	0	0	1	0	0	1	0	0
Above Norma		0	0	1	4	-1	1	1	1	1	1	0	0	1
Below Norma		0	1	2	1	1	-3	-1	0	0	-1	0	0	0
Dry		1	1	1	0	0	3	2	0	0	-1	-1	0	0
Critical		0	0	1	1	2	-1	1	0	-2	0	-1	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy generated (GWh) at Castaic: CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	121%	3%	0%	-2%	-1%	-1%	-1%	-1%	-1%
1923	Below Norma	-1%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%	11%	9%
1924	Critical	5%	4%	4%	2%	2%	1%	1%	0%	2%	2%	1%	1%
1925	Dry	0%	0%	0%	-36%	0%	0%	7%	4%	3%	2%	13%	15%
1926	Dry	41%	75%	4287%	9%	0%	62%	-5%	5%	-2%	-2%	-2%	-2%
1927	Wet	-2%	-2%	-2%	1%	4%	0%	0%	0%	0%	0%	0%	0%
1928	Above Norma	0%	0%	0%	22%	0%	3%	7%	-2%	-2%	-2%	-2%	-2%
1929	Critical	-2%	-2%	-2%	1%	1%	0%	1%	2%	2%	2%	2%	2%
1930	Dry	5%	0%	0%	0%	-22%	1%	9%	1%	-1%	-6%	-5%	-2%
1931	Critical	8%	11%	64%	61%	76%	20%	-6%	-7%	-7%	-7%	-7%	-7%
1932	Dry	-22%	0%	0%	0%	0%	-2%	-2%	-2%	-2%	-1%	-7%	-7%
1933	Critical	-22%	-41%	0%	-23%	21%	-2%	-2%	-2%	-2%	-2%	-7%	-8%
1934	Critical	-16%	-21%	-35%	-2%	17%	-3%	-1%	-1%	-1%	-1%	-1%	-1%
1935	Below Norma	-1%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1936	Below Norma	0%	0%	0%	-7%	0%	0%	3%	2%	2%	2%	2%	3%
1937	Below Norma	4%	4%	12%	10%	0%	0%	-3%	-3%	-3%	-3%	-3%	-3%
1938	Wet	-4%	-4%	-4%	1%	0%	0%	0%	-3%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	1%	1%	0%	0%	0%	0%	0%	0%
1940	Above Norma	0%	0%	0%	-3%	1%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	19%	4%	0%	0%	0%	3%	0%	0%	-4%
1942	Wet	-3%	-2%	-2%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%
1944	Dry	1%	1%	1%	1%	47%	2%	-4%	-4%	-4%	-4%	-4%	-4%
1945	Below Norma	-5%	-5%	-5%	-1%	16%	-18%	-1%	0%	0%	0%	0%	0%
1946	Below Norma	0%	0%	0%	1%	0%	0%	0%	1%	0%	0%	0%	0%
1947	Dry	0%	0%	0%	0%	-1%	36%	7%	6%	6%	6%	6%	6%
1948	Below Norma	7%	7%	8%	0%	5%	2%	-8%	-2%	-2%	-2%	-2%	-2%
1949	Dry	-2%	-3%	-3%	-3%	-2%	-1%	-6%	-7%	-8%	-8%	-10%	-10%
1950	Below Norma	-15%	-17%	-25%	-6%	-2%	-8%	2%	1%	1%	1%	1%	1%
1951	Above Norma	2%	2%	2%	2%	0%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%
1954	Above Norma	0%	0%	0%	2%	0%	0%	0%	1%	-2%	-1%	-1%	0%
1955	Dry	0%	0%	0%	1%	0%	5%	3%	4%	5%	4%	12%	13%
1956	Wet	28%	38%	83%	0%	-1%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norma	0%	0%	0%	1%	0%	0%	3%	5%	2%	2%	2%	2%
1958	Wet	3%	3%	3%	0%	4%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	-2%	0%	1%	2%	1%	1%	1%	1%	1%	1%
1960	Dry	1%	1%	1%	-1%	1%	2%	10%	2%	-3%	-11%	-9%	-5%
1961	Dry	10%	15%	64%	47%	-53%	5%	7%	1%	-1%	-5%	-4%	-2%
1962	Below Norma	6%	8%	36%	24%	38%	-35%	-21%	-4%	-5%	-5%	-5%	-6%
1963	Wet	-7%	-7%	-8%	-5%	0%	0%	-2%	-2%	-3%	-3%	-2%	-1%
1964	Dry	-1%	-1%	-1%	54%	0%	20%	-24%	-3%	-5%	-4%	-3%	-1%
1965	Wet	7%	9%	28%	13%	1%	1%	3%	3%	3%	3%	3%	3%
1966	Below Norma	3%	3%	4%	0%	0%	0%	0%	0%	1%	1%	1%	1%
1967	Wet	1%	1%	1%	21%	3%	0%	-1%	-2%	-2%	-2%	-2%	-2%
1968	Below Norma	-2%	-1%	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%
1969	Wet	1%	1%	1%	21%	3%	0%	-1%	-1%	-1%	-1%	-1%	-1%
1970	Wet	-2%	-2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	15%	-6%
1972	Below Norma	-3%	-2%	-1%	33%	1%	12%	11%	-3%	-6%	-10%	-9%	-7%
1973	Above Norma	0%	2%	34%	-8%	-10%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	1%	0%	0%	4%	5%	5%	5%	5%	5%
1977	Critical	7%	7%	8%	1%	4%	1%	-16%	-20%	-27%	-27%	-25%	-26%
1978	Above Norma	0%	0%	0%	19%	-11%	0%	1%	3%	4%	4%	4%	3%
1979	Below Norma	10%	12%	19%	-32%	-8%	-5%	0%	0%	0%	0%	0%	0%
1980	Above Norma	1%	1%	1%	3%	0%	0%	1%	1%	1%	1%	1%	1%
1981	Dry	1%	1%	1%	1%	0%	0%	1%	1%	1%	1%	1%	1%
1982	Wet	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	0%	-6%	-3%	-3%	-5%	-5%
1986	Wet	-6%	-6%	-6%	0%	23%	0%	3%	4%	4%	4%	4%	4%
1987	Dry	5%	5%	5%	4%	-2%	-14%	-2%	-2%	-2%	-2%	-2%	-2%
1988	Critical	-3%	-3%	-3%	-5%	-20%	-2%	-6%	-6%	-7%	-7%	-7%	-7%
1989	Dry	-30%	0%	0%	0%	0%	2%	1%	1%	1%	2%	2%	2%
1990	Critical	2%	3%	5%	121%	135%	30%	1%	1%	1%	1%	1%	1%
1991	Critical	3%	0%	0%	0%	0%	-18%	5%	6%	7%	7%	7%	7%
1992	Critical	45%	0%	0%	0%	0%	-79%	42%	-2%	-2%	-2%	-8%	-9%
1993	Above Norma	-22%	-34%	-96%	-4%	0%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	-1%	0%	2%	9%	2%	-29%	1%	3%	7%
1995	Wet	24%	30%	81%	35%	0%	0%	3%	17%	4%	7%	3%	2%
1996	Wet	1%	1%	-33%	10%	13%	0%	-2%	4%	1%	1%	1%	1%
1997	Wet	1%	1%	1%	0%	0%	0%	4%	4%	4%	4%	4%	4%
1998	Wet	5%	5%	6%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norma	0%	0%	0%	34%	0%	0%	5%	10%	8%	7%	1%	-2%
2001	Dry	-2%	-2%	-2%	0%	-2%	0%	2%	1%	2%	2%	2%	2%
2002	Dry	2%	2%	3%	1%	10%	0%	4%	3%	3%	2%	3%	3%
2003	Above Norma	5%	6%	9%	18%	1%	18%	-6%	-2%	-2%	-1%	-1%	0%
Average		1%	1%	55%	7%	4%	1%	1%	0%	-1%	-1%	0%	0%
Wet		2%	3%	6%	5%	2%	0%	0%	1%	0%	1%	1%	0%
Above Norma		-1%	-2%	-4%	17%	-1%	2%	1%	1%	1%	0%	0%	0%
Below Norma		0%	1%	3%	1%	4%	-4%	-1%	0%	-1%	-1%	0%	0%
Dry		0%	5%	242%	4%	-1%	7%	3%	0%	-1%	-2%	-1%	0%
Critical		2%	-3%	3%	13%	20%	-4%	3%	-2%	-5%	-2%	-3%	-3%

Difference in Energy generated (GWh) at DCanyon: CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norm	0	0	0	10	3	0	-1	-1	-1	-1	-1	-1	1
1923	Below Norm	-1	-1	-1	0	0	0	0	0	-1	0	0	16	1
1924	Critical	5	4	4	4	3	2	1	1	1	1	1	1	2
1925	Dry	0	0	0	0	0	3	-4	-5	-5	-1	2	2	-1
1926	Dry	5	8	5	0	-16	30	1	-3	-3	-3	-3	-3	2
1927	Wet	-3	-3	-3	1	-4	0	0	0	0	-1	-1	0	-1
1928	Above Norm	-1	0	0	11	1	0	8	-2	-2	-2	-2	-2	1
1929	Critical	-2	-2	-2	1	1	0	1	2	2	1	1	1	0
1930	Dry	1	0	0	0	0	0	15	3	-2	5	-3	-5	1
1931	Critical	7	6	16	22	19	7	-5	-7	-7	-5	-5	-5	3
1932	Dry	-3	-2	-2	0	-1	-2	2	2	2	0	-2	-2	-1
1933	Critical	-3	-5	-3	0	-1	-1	3	3	4	1	0	-1	0
1934	Critical	-3	-4	-3	0	0	0	0	0	-1	0	-1	-1	-1
1935	Below Norm	0	0	0	0	0	-12	8	0	0	0	0	0	0
1936	Below Norm	0	2	0	0	0	2	2	0	-2	0	0	0	0
1937	Below Norm	3	-9	-2	0	0	35	-4	-4	-4	-4	-4	-3	0
1938	Wet	-4	-4	-4	0	0	0	0	0	0	0	0	0	-1
1939	Dry	0	0	0	0	0	1	0	0	0	0	0	0	0
1940	Above Norm	0	0	0	1	1	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	5	-2	-2	1	2	-2	0	0	0	0
1942	Wet	-7	-2	-2	0	0	0	0	0	0	0	0	0	-1
1943	Wet	0	0	0	0	0	0	1	1	1	1	1	1	0
1944	Dry	1	1	1	1	27	1	-5	-6	-6	-6	-6	-6	0
1945	Below Norm	-6	-6	-6	0	-1	-4	-1	0	0	0	0	0	-2
1946	Below Norm	0	0	0	-1	0	0	0	0	2	0	0	0	0
1947	Dry	0	0	0	-1	0	0	7	7	7	7	7	7	3
1948	Below Norm	7	7	7	3	3	1	-2	-3	-3	-3	-3	-3	1
1949	Dry	-3	-3	-3	-3	-3	-1	-3	-5	-5	-5	-7	-7	-4
1950	Below Norm	-6	-7	-5	-1	0	15	2	2	2	2	2	2	1
1951	Above Norm	2	2	2	0	0	-1	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norm	0	0	0	0	1	-1	0	0	0	0	-3	0	0
1955	Dry	0	0	0	0	0	1	-4	-3	-3	0	2	3	0
1956	Wet	5	7	4	-1	0	0	0	0	0	0	0	0	1
1957	Above Norm	0	0	0	0	0	0	5	5	2	2	2	2	1
1958	Wet	2	2	2	0	-4	0	0	0	0	0	0	0	0
1959	Below Norm	0	0	0	0	1	0	1	1	1	1	1	1	1
1960	Dry	1	1	1	1	1	0	24	4	-3	8	-8	-9	2
1961	Dry	10	9	26	30	26	-26	12	2	-1	5	-3	-4	7
1962	Below Norm	6	5	13	16	13	-74	-6	-6	-3	-5	-4	-3	-4
1963	Wet	-8	-8	-5	2	-3	5	0	0	3	-6	-4	-1	-2
1964	Dry	-1	-1	-1	45	0	7	26	-16	-64	6	-1	-1	0
1965	Wet	6	6	13	0	-2	2	3	3	3	3	3	3	3
1966	Below Norm	3	2	2	0	0	-2	1	1	1	1	1	1	1
1967	Wet	1	1	1	28	-2	-9	-2	-2	-2	-2	-2	-2	0
1968	Below Norm	-2	-2	0	0	0	0	1	1	1	1	1	1	0
1969	Wet	1	1	1	25	-2	-2	-1	0	-2	-2	-2	-2	1
1970	Wet	-2	-2	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	6	0	1
1972	Below Norm	-5	-2	-1	28	0	0	14	-3	-7	-1	-8	-9	0
1973	Above Norm	0	0	7	9	7	0	0	0	0	0	0	0	2
1974	Wet	0	0	0	0	0	-1	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	-9	0	0	0	0	0	0	0	-1
1976	Critical	0	0	0	-1	0	0	13	5	5	5	5	5	3
1977	Critical	5	5	5	3	2	0	-7	-10	-10	-7	-7	-7	-2
1978	Above Norm	-4	-3	-2	90	-14	0	0	0	-4	0	0	0	5
1979	Below Norm	0	-1	0	-15	-6	-6	1	1	1	1	1	1	-2
1980	Above Norm	1	0	0	-1	0	0	-2	1	1	1	1	1	0
1981	Dry	1	1	1	0	0	-7	1	1	1	1	1	1	0
1982	Wet	1	1	1	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	-1	-7	-4	11	-3	-6	-1
1986	Wet	-6	-6	-6	-2	-2	7	4	4	4	4	4	4	1
1987	Dry	4	4	4	4	0	-20	-2	-2	-2	-2	-2	-2	-1
1988	Critical	-2	-2	-2	-2	1	-1	-4	-6	-7	-5	-5	-5	-3
1989	Dry	-3	-2	-1	0	-2	-1	0	0	-1	0	0	0	-1
1990	Critical	0	0	0	29	27	10	0	1	1	0	0	0	6
1991	Critical	0	0	0	0	0	0	4	5	6	4	4	4	2
1992	Critical	2	2	1	0	0	0	2	3	3	1	-2	-2	1
1993	Above Norm	-4	-5	-3	0	0	0	0	0	0	0	0	0	-1
1994	Critical	0	0	0	-1	0	3	16	3	-87	16	7	6	-3
1995	Wet	18	17	28	18	0	10	5	4	1	3	2	1	9
1996	Wet	1	1	-2	-8	-12	0	1	1	1	1	1	1	-1
1997	Wet	1	1	1	0	0	0	4	4	4	4	4	4	2
1998	Wet	4	4	4	0	0	-1	0	0	0	0	0	0	1
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norm	0	0	0	39	-1	0	5	4	-3	3	2	-3	4
2001	Dry	-3	-3	-3	0	0	0	1	1	2	1	2	2	0
2002	Dry	1	1	1	0	9	0	5	4	3	4	3	3	3
2003	Above Norm	4	4	6	21	0	18	-7	-1	-9	4	4	0	4
Average		0	0	1	5	1	0	2	0	-2	1	0	0	1
Wet		0	1	1	2	-2	0	1	1	0	0	0	0	0
Above Norm		0	0	1	15	0	1	1	0	-1	1	0	0	1
Below Norm		0	-1	1	2	1	-3	1	-1	-1	-1	-1	0	0
Dry		1	1	2	4	2	-1	4	-1	-5	2	-1	-2	1
Critical		1	0	1	5	4	2	2	0	-8	1	0	0	1

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy generated (GWh) at DCanyon: CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	484%	3%	0%	-1%	-1%	-1%	-1%	-1%	-1%
1923	Below Norma	-1%	-1%	-1%	0%	0%	0%	0%	0%	-1%	0%	0%	14%
1924	Critical	4%	4%	4%	5%	5%	6%	2%	2%	2%	2%	2%	2%
1925	Dry	2%	2%	2%	4%	0%	23%	-6%	-6%	-6%	-2%	2%	2%
1926	Dry	8%	15%	13%	6%	-18%	42%	1%	-2%	-2%	-2%	-2%	-2%
1927	Wet	-2%	-2%	-2%	1%	-4%	0%	0%	0%	0%	0%	0%	0%
1928	Above Norma	0%	0%	0%	11%	1%	0%	7%	-2%	-2%	-2%	-2%	-2%
1929	Critical	-2%	-2%	-2%	1%	1%	1%	2%	2%	2%	2%	2%	2%
1930	Dry	2%	2%	2%	3%	1%	0%	21%	2%	-2%	5%	-3%	-4%
1931	Critical	7%	6%	25%	166%	127%	82%	-8%	-8%	-8%	-8%	-8%	-8%
1932	Dry	-8%	-8%	-8%	-6%	-2%	-11%	3%	3%	3%	0%	-2%	-2%
1933	Critical	-6%	-9%	-8%	-2%	-4%	-1%	5%	4%	4%	2%	0%	-1%
1934	Critical	-4%	-7%	-6%	-3%	-2%	-3%	-1%	-1%	-1%	-1%	-1%	-1%
1935	Below Norma	-1%	-1%	-1%	-1%	0%	-12%	8%	0%	0%	0%	0%	0%
1936	Below Norma	0%	3%	-1%	-1%	2%	1%	1%	0%	-2%	0%	0%	0%
1937	Below Norma	2%	-8%	-4%	2%	0%	42%	-3%	-3%	-3%	-3%	-3%	-2%
1938	Wet	-3%	-3%	-3%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1940	Above Norma	0%	0%	0%	2%	2%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	5%	-2%	-2%	1%	1%	-2%	0%	0%	0%
1942	Wet	-5%	-2%	-2%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%
1944	Dry	1%	1%	1%	1%	32%	1%	-4%	-5%	-5%	-4%	-4%	-4%
1945	Below Norma	-5%	-5%	-5%	-1%	-1%	-3%	0%	0%	0%	0%	0%	0%
1946	Below Norma	0%	0%	0%	-1%	0%	0%	0%	0%	2%	0%	0%	0%
1947	Dry	0%	0%	0%	-1%	0%	0%	6%	6%	6%	6%	6%	6%
1948	Below Norma	6%	6%	6%	6%	7%	4%	-2%	-2%	-2%	-2%	-2%	-2%
1949	Dry	-2%	-2%	-2%	-4%	-4%	-4%	-5%	-5%	-5%	-6%	-7%	-7%
1950	Below Norma	-8%	-10%	-9%	-8%	-2%	59%	1%	1%	1%	1%	1%	1%
1951	Above Norma	1%	1%	1%	0%	0%	-1%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Norma	0%	0%	0%	0%	1%	-1%	0%	0%	0%	-2%	0%	0%
1955	Dry	0%	0%	0%	-1%	0%	2%	-7%	-3%	-3%	0%	3%	3%
1956	Wet	7%	11%	10%	-1%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norma	0%	0%	0%	0%	0%	0%	4%	5%	2%	2%	2%	2%
1958	Wet	2%	2%	2%	0%	-3%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	0%	0%	1%	0%	1%	1%	1%	1%	1%	1%
1960	Dry	1%	1%	1%	1%	1%	1%	28%	4%	-3%	8%	-6%	-8%
1961	Dry	10%	10%	33%	96%	82%	-45%	15%	2%	-1%	5%	-2%	-3%
1962	Below Norma	6%	5%	18%	59%	52%	-68%	-4%	-4%	-2%	-3%	-3%	-2%
1963	Wet	-6%	-6%	-4%	2%	-3%	4%	0%	0%	3%	-4%	-3%	-1%
1964	Dry	-1%	-1%	-1%	62%	0%	6%	32%	-17%	-67%	6%	-1%	-1%
1965	Wet	7%	7%	16%	0%	-1%	2%	3%	3%	3%	3%	3%	3%
1966	Below Norma	3%	3%	3%	0%	0%	-1%	1%	1%	1%	1%	1%	1%
1967	Wet	1%	1%	1%	32%	-2%	-6%	-2%	-2%	-2%	-2%	-2%	-2%
1968	Below Norma	-2%	-2%	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%
1969	Wet	1%	1%	1%	31%	-2%	-1%	-1%	0%	-2%	-2%	-2%	-2%
1970	Wet	-2%	-2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	5%	0%
1972	Below Norma	-3%	-2%	-1%	31%	0%	0%	20%	-4%	-7%	-1%	-8%	-9%
1973	Above Norma	0%	0%	12%	9%	6%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	-8%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	-1%	0%	0%	11%	6%	6%	6%	6%	6%
1977	Critical	6%	6%	6%	5%	4%	1%	-30%	-29%	-28%	-28%	-28%	-28%
1978	Above Norma	-28%	-29%	-29%	3406%	-14%	0%	0%	0%	-3%	0%	0%	0%
1979	Below Norma	0%	0%	0%	-35%	-5%	-5%	0%	0%	0%	0%	0%	0%
1980	Above Norma	0%	0%	0%	0%	0%	0%	-1%	1%	1%	1%	1%	1%
1981	Dry	1%	1%	1%	0%	0%	-5%	1%	1%	1%	1%	1%	1%
1982	Wet	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	-1%	-6%	-4%	12%	-4%	-5%
1986	Wet	-5%	-5%	-5%	-3%	-2%	5%	4%	4%	4%	4%	4%	4%
1987	Dry	4%	4%	4%	3%	0%	-17%	-2%	-2%	-2%	-2%	-2%	-2%
1988	Critical	-2%	-2%	-2%	-4%	1%	-4%	-8%	-8%	-8%	-7%	-7%	-8%
1989	Dry	-8%	-7%	-7%	-7%	-16%	-8%	0%	0%	-1%	0%	0%	0%
1990	Critical	0%	0%	0%	462%	344%	175%	1%	1%	1%	1%	1%	1%
1991	Critical	1%	1%	1%	-1%	-7%	-12%	7%	7%	7%	7%	7%	7%
1992	Critical	7%	7%	8%	4%	-1%	0%	4%	3%	3%	1%	-2%	-2%
1993	Above Norma	-6%	-10%	-8%	-3%	0%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	0%	0%	3%	23%	3%	-98%	20%	7%	6%
1995	Wet	24%	24%	45%	51%	0%	8%	4%	3%	0%	2%	2%	1%
1996	Wet	0%	0%	-2%	-7%	-9%	0%	1%	1%	1%	1%	1%	1%
1997	Wet	1%	1%	1%	0%	0%	0%	4%	4%	4%	4%	4%	4%
1998	Wet	4%	4%	4%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norma	0%	0%	0%	56%	-1%	0%	4%	3%	-2%	2%	2%	-2%
2001	Dry	-2%	-2%	-2%	0%	1%	0%	2%	2%	2%	2%	2%	2%
2002	Dry	2%	2%	2%	1%	10%	-1%	6%	4%	3%	4%	3%	3%
2003	Above Norma	4%	4%	6%	21%	0%	17%	-7%	-1%	-7%	15%	55%	0%
Average		0%	0%	1%	60%	7%	3%	2%	0%	-3%	1%	0%	0%
Wet		1%	1%	2%	4%	-1%	0%	1%	1%	0%	0%	0%	0%
Above Norma		-2%	-3%	-1%	332%	0%	1%	0%	0%	-1%	1%	5%	0%
Below Norma		0%	-1%	0%	4%	4%	1%	2%	-1%	-1%	0%	-1%	0%
Dry		0%	1%	2%	9%	5%	-1%	5%	-1%	-5%	2%	-1%	-1%
Critical		1%	0%	2%	53%	39%	21%	1%	-1%	-10%	0%	-2%	-2%

Energy generated (GWh) at Mojave Dam : CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	11.96	11.50	9.26	0.19	7.30	11.69	11.27	11.82	11.61	11.97	11.96	11.60	122
1923	Below Normal	11.35	10.76	10.95	9.01	9.57	10.38	11.24	12.07	10.98	12.11	12.06	10.28	131
1924	Critical	9.91	9.38	9.55	6.88	6.31	2.53	3.02	3.98	4.29	3.20	3.16	3.04	65
1925	Dry	1.68	1.07	0.89	0.51	6.99	0.79	6.18	7.63	8.29	6.70	7.63	7.56	56
1926	Dry	5.00	4.24	3.24	0.71	7.89	5.95	7.08	10.72	10.60	10.86	10.85	10.54	88
1927	Wet	10.29	9.74	9.91	4.95	8.98	11.55	11.45	11.80	11.62	11.95	11.95	11.60	126
1928	Above Normal	11.34	10.74	10.93	9.10	8.60	11.43	9.76	9.27	9.13	9.40	9.39	9.12	118
1929	Critical	8.87	8.39	8.56	5.95	5.58	2.38	5.91	8.10	8.71	6.42	6.35	6.15	81
1930	Dry	3.49	2.29	1.83	0.57	1.56	8.45	6.11	8.97	9.75	8.58	10.51	10.46	73
1931	Critical	7.85	7.47	5.50	1.15	1.32	0.77	5.80	7.88	8.46	6.24	6.17	5.97	65
1932	Dry	3.38	2.22	1.78	0.57	7.79	1.34	5.21	7.50	8.14	6.55	7.45	7.40	59
1933	Critical	4.87	4.07	3.10	0.69	1.49	5.40	4.56	6.69	7.29	6.40	7.85	7.80	60
1934	Critical	5.79	5.45	3.97	0.78	1.28	1.32	4.74	6.92	7.51	6.60	8.12	8.08	61
1935	Below Normal	5.99	5.70	4.15	0.77	1.29	8.81	9.14	11.81	10.51	11.87	11.79	11.45	93
1936	Below Normal	11.86	5.52	4.66	0.44	0.75	11.45	11.45	11.92	11.53	11.99	11.90	11.55	105
1937	Below Normal	11.67	9.98	3.58	0.46	0.76	7.40	11.24	11.79	11.61	11.94	11.87	11.52	104
1938	Wet	11.35	10.76	10.96	10.13	9.64	10.49	11.62	10.93	10.79	11.07	11.06	10.75	130
1939	Dry	10.49	9.93	10.11	9.88	10.27	9.69	9.02	9.23	9.11	9.36	9.35	9.08	116
1940	Above Normal	8.84	8.36	8.52	3.73	3.66	11.53	11.61	11.90	10.89	11.98	11.88	11.53	114
1941	Wet	11.94	11.36	11.08	9.59	9.97	10.79	10.89	11.87	11.05	12.07	12.01	11.65	134
1942	Wet	11.76	10.21	10.39	9.55	9.64	11.50	10.58	10.87	10.73	11.03	11.03	10.71	128
1943	Wet	10.46	9.90	10.08	9.45	9.63	11.92	9.38	9.14	8.98	9.27	9.26	9.00	116
1944	Dry	8.76	8.28	8.44	5.38	7.35	11.24	11.14	11.20	11.02	11.35	11.34	11.03	117
1945	Below Normal	10.76	10.19	10.38	5.77	5.72	11.22	11.04	11.27	11.12	11.42	11.41	11.10	121
1946	Below Normal	10.83	10.26	10.45	9.85	9.60	10.16	11.74	12.08	11.58	10.17	10.16	9.87	127
1947	Dry	9.61	9.10	9.27	6.55	6.29	3.54	9.39	9.84	9.69	9.96	9.95	9.67	103
1948	Below Normal	9.42	8.93	9.11	3.71	3.49	1.47	5.96	11.52	11.37	11.68	11.67	11.35	100
1949	Dry	11.07	10.49	10.67	5.74	5.37	2.22	5.22	7.37	8.03	7.03	8.61	8.59	90
1950	Below Normal	6.36	6.09	4.44	0.79	1.09	2.32	10.75	11.24	11.07	11.39	11.38	11.05	88
1951	Above Normal	10.80	10.24	10.43	10.20	9.65	11.50	10.60	10.90	10.75	11.04	11.03	10.72	128
1952	Wet	10.46	9.91	10.08	9.01	9.57	10.38	11.56	10.82	10.62	10.96	10.95	10.64	125
1953	Wet	10.49	10.59	11.23	9.83	10.19	11.90	10.27	10.74	10.57	10.91	10.89	10.59	128
1954	Above Normal	10.33	9.79	9.96	10.04	8.34	11.19	11.70	12.02	11.09	12.07	12.01	11.09	130
1955	Dry	10.83	10.26	10.44	7.35	6.25	3.28	5.29	6.98	7.58	6.45	7.75	7.70	90
1956	Wet	5.48	4.99	3.69	7.90	10.21	11.84	10.40	10.90	10.74	11.04	11.03	10.72	109
1957	Above Normal	10.46	9.91	10.08	10.02	8.23	11.44	11.36	8.66	8.58	8.80	8.79	8.54	115
1958	Wet	8.30	7.85	8.00	10.37	10.10	11.84	11.31	11.16	10.98	11.30	11.30	10.97	123
1959	Below Normal	10.72	10.14	10.32	9.89	10.28	9.31	9.01	9.20	9.10	9.35	9.34	9.06	116
1960	Dry	8.83	8.35	8.51	6.29	5.78	2.73	7.47	9.41	9.92	9.18	10.54	10.41	97
1961	Dry	8.50	8.05	6.78	2.67	2.92	4.95	6.93	9.18	9.75	8.92	10.43	10.30	89
1962	Below Normal	8.25	7.81	6.39	2.29	2.21	9.27	11.62	11.91	11.54	11.99	11.89	11.54	107
1963	Wet	11.70	11.09	11.09	10.13	9.01	10.59	11.73	12.02	11.42	12.06	11.88	11.29	134
1964	Dry	11.02	10.44	10.63	6.22	8.52	10.86	7.23	8.11	8.25	8.10	8.65	8.45	106
1965	Wet	7.55	7.11	6.66	10.41	9.47	8.63	8.43	8.14	8.01	8.27	8.27	8.01	99
1966	Below Normal	7.80	7.36	7.51	10.20	9.59	11.71	10.23	10.49	10.34	10.62	10.62	10.31	117
1967	Wet	10.07	9.53	9.70	7.27	10.12	11.50	11.03	11.41	11.23	11.56	11.56	11.24	126
1968	Below Normal	10.96	11.23	11.19	9.83	10.59	11.95	9.05	9.47	9.36	9.61	9.59	9.32	122
1969	Wet	9.08	8.59	8.75	6.83	10.12	11.61	11.70	11.41	11.24	11.55	11.55	11.23	124
1970	Wet	10.94	10.37	11.19	9.84	10.19	11.93	10.32	10.83	10.69	10.97	10.96	10.65	129
1971	Wet	10.40	9.84	10.02	9.41	9.61	10.00	11.71	12.04	10.91	12.08	10.71	11.66	128
1972	Below Normal	12.07	10.24	10.32	7.69	8.77	11.45	5.95	7.69	8.20	7.45	8.68	8.59	107
1973	Above Normal	6.69	6.33	5.07	8.52	9.48	11.82	9.91	10.39	10.26	10.51	10.51	10.20	110
1974	Wet	9.96	9.42	9.59	9.28	9.57	11.60	10.53	10.83	10.70	10.97	10.97	10.67	124
1975	Wet	10.41	9.84	10.02	9.53	9.55	11.73	10.75	11.09	10.95	11.22	11.22	10.91	127
1976	Critical	10.64	10.08	10.26	9.87	8.70	11.43	10.22	7.80	7.70	7.91	7.90	7.67	110
1977	Critical	7.45	7.02	7.17	5.36	4.91	1.97	2.29	2.91	3.20	2.39	2.36	2.26	49
1978	Above Normal	1.24	0.76	0.66	0.43	8.36	11.73	11.63	11.92	11.09	11.99	11.90	11.55	93
1979	Below Normal	11.96	11.39	11.10	3.62	10.20	10.51	10.26	10.56	10.43	10.70	10.69	10.40	122
1980	Above Normal	10.13	9.58	9.76	10.24	8.84	11.39	10.15	9.73	9.58	9.88	9.87	9.59	119
1981	Dry	9.35	8.83	9.00	10.14	8.74	11.57	9.38	9.62	9.53	9.76	9.75	9.47	115
1982	Wet	9.22	8.72	8.89	9.62	9.57	10.38	11.63	10.83	10.67	10.96	10.96	10.64	122
1983	Wet	10.39	9.83	11.23	9.83	10.25	11.86	10.97	11.48	11.32	11.62	10.95	10.65	130
1984	Wet	11.16	10.59	11.23	9.83	10.64	11.86	10.30	10.82	10.64	10.96	10.95	10.65	130
1985	Dry	10.37	9.83	10.01	10.02	8.39	11.42	11.72	10.44	10.07	7.75	7.20	10.77	118
1986	Wet	10.55	10.01	10.21	6.56	6.18	11.13	9.58	9.16	9.04	9.29	9.29	9.00	110
1987	Dry	8.76	8.28	8.45	10.10	9.41	9.88	8.31	8.49	8.38	8.61	8.61	8.35	106
1988	Critical	8.14	7.68	7.83	5.62	4.98	2.27	5.12	6.93	7.46	5.51	5.44	5.28	72
1989	Dry	3.00	1.94	1.54	0.53	0.90	0.82	11.59	11.87	11.33	11.96	11.85	11.50	79
1990	Critical	11.92	11.33	11.06	0.56	0.68	0.52	5.18	6.99	7.53	5.56	5.49	5.32	72
1991	Critical	3.01	1.96	1.58	0.47	0.51	0.33	4.60	6.22	6.71	4.97	4.90	4.75	40
1992	Critical	2.68	1.74	1.41	0.43	0.52	0.75	5.24	7.55	8.18	6.76	7.87	7.81	51
1993	Above Normal	5.34	4.69	3.54	0.71	9.38	11.57	11.10	11.63	11.47	11.78	11.77	11.45	104
1994	Critical	11.18	10.58	10.76	10.43	10.30	9.89	6.04	7.30	7.61	7.20	8.01	7.87	107
1995	Wet	6.53	6.15	5.36	3.04	10.08	10.69	11.29	11.62	11.45	11.78	11.78	11.45	111
1996	Wet	11.18	10.58	11.17	9.83	10.58	11.91	9.34	10.10	9.96	10.25	10.24	9.94	125
1997	Wet	9.69	9.18	9.35	9.34	9.57	11.62	7.50	7.68	7.55	7.79	7.78	7.55	105
1998	Wet	7.32	6.92	7.06	10.34	9.66	11.60	10.59	10.89	10.71	11.06	11.06	10.74	118
1999	Wet	10.47	10.78	11.23	9.83	10.30	11.84	9.64	10.09	9.93	10.26	10.26	9.96	125
2000	Above Normal	9.70	9.19	9.36	6.00	8.66	11.21	11.30	11.63	11.45	11.81	11.81	11.47	124
2001	Dry	11.19	10.61	10.79	7.33	6.78	6.72	5.27	7.76	8.42	7.42	9.14	9.10	101
2002	Dry	6.75	6.44	4.68	0.95	7.41	1.90	8.38	8.73	8.64	8.86	8.98	8.72	80
2003	Above Normal	8.34	7.89	7.93	8.55	8.96	8.96	9.68	11.97	11.38	2.60	0.68	11.59	99
Average		9	8	8	6	7	9	9	10	10	10	10	10	105
Wet		10	9	10	9	10	11	11	11	10	11	11	10	123
Above Normal		9	8	8	6	8	11	11	11	11	10	10	11	115
Below Normal		10	9	8	5	6	9	10	11	11	11	11	11	111
Dry		8	7	7	5	7	6	8	9	9	9	9		

Shasta Lake Water Resource Investigation
Socioeconomic Appendix - Power and Energy Technical Report

Energy generated (GWh) at Mojave Dam : CP3_2020

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	11.96	11.50	9.26	1.00	7.56	11.71	11.17	11.71	11.55	11.86	11.85	11.53	123
1923	Below Normal	11.24	10.65	10.84	9.01	9.57	10.38	11.24	12.06	10.92	12.10	12.05	11.68	132
1924	Critical	10.34	9.71	9.89	7.20	6.60	2.67	3.06	4.04	4.36	3.25	3.21	3.09	67
1925	Dry	1.71	1.09	0.91	0.52	7.02	1.02	5.84	7.20	7.83	6.58	7.80	7.75	55
1926	Dry	5.42	4.89	3.64	0.75	6.53	8.49	7.14	10.48	10.37	10.62	10.61	10.31	89
1927	Wet	10.05	9.52	9.69	5.02	8.60	11.53	11.41	11.76	11.59	11.91	11.90	11.57	125
1928	Above Normal	11.30	10.70	10.89	10.06	8.68	11.44	10.42	9.07	8.94	9.20	9.19	8.92	119
1929	Critical	8.68	8.21	8.37	6.00	5.63	2.40	6.01	8.24	8.86	6.53	6.46	6.26	82
1930	Dry	3.56	2.34	1.86	0.59	1.58	8.45	7.37	9.20	9.59	9.04	10.22	10.04	74
1931	Critical	8.42	7.95	6.89	3.01	2.97	1.38	5.38	7.28	7.82	5.78	5.71	5.52	68
1932	Dry	3.12	2.05	1.64	0.54	7.67	1.20	5.38	7.70	8.35	6.57	7.27	7.22	59
1933	Critical	4.59	3.68	2.85	0.67	1.44	5.33	4.80	6.98	7.60	6.50	7.82	7.76	60
1934	Critical	5.56	5.08	4.75	0.76	1.26	1.29	4.71	6.88	7.46	6.56	8.08	8.04	59
1935	Below Normal	5.96	5.67	4.13	0.76	1.29	7.75	9.86	11.81	10.52	11.88	11.79	11.45	93
1936	Below Normal	11.86	5.70	4.63	0.44	0.76	11.58	11.62	11.91	11.35	11.99	11.90	11.54	105
1937	Below Normal	11.96	9.17	3.42	0.47	0.77	10.43	10.88	11.43	11.26	11.58	11.57	11.24	104
1938	Wet	10.96	10.39	10.58	10.10	9.66	10.47	11.66	10.91	10.77	11.05	11.05	10.74	128
1939	Dry	10.47	9.92	10.10	9.87	10.27	9.81	9.01	9.22	9.10	9.35	9.35	9.07	116
1940	Above Normal	8.83	8.35	8.51	3.79	3.73	11.53	11.61	11.90	10.89	11.98	11.88	11.53	115
1941	Wet	11.94	11.36	11.08	10.05	9.77	10.58	10.98	12.04	10.86	12.08	12.03	11.66	134
1942	Wet	11.16	10.02	10.20	9.50	9.63	11.53	10.57	10.87	10.72	11.03	11.02	10.70	127
1943	Wet	10.45	9.89	10.07	9.41	9.62	11.92	9.47	9.23	9.07	9.36	9.35	9.09	117
1944	Dry	8.85	8.36	8.52	5.43	9.68	11.32	10.67	10.70	10.52	10.84	10.84	10.53	116
1945	Below Normal	10.27	9.72	9.90	5.74	5.84	10.70	10.99	11.30	11.15	11.46	11.45	11.13	120
1946	Below Normal	10.86	10.29	10.48	9.74	9.59	10.15	11.74	12.08	11.77	10.14	10.14	9.84	127
1947	Dry	9.59	9.08	9.25	6.50	6.30	3.54	9.97	10.44	10.29	10.57	10.56	10.27	106
1948	Below Normal	10.01	9.49	9.68	3.94	3.72	1.53	5.83	11.27	11.13	11.43	11.42	11.11	101
1949	Dry	10.82	10.25	10.44	5.49	5.14	2.13	4.97	6.96	7.59	6.58	8.00	7.98	86
1950	Below Normal	5.82	5.50	4.04	0.73	1.07	3.56	10.90	11.40	11.23	11.55	11.54	11.21	89
1951	Above Normal	10.96	10.39	10.58	10.16	9.64	11.42	10.60	10.90	10.74	11.04	11.03	10.72	128
1952	Wet	10.46	9.90	10.08	9.01	9.57	10.38	11.56	10.82	10.62	10.96	10.95	10.64	125
1953	Wet	10.49	10.59	11.23	9.83	10.19	11.90	10.29	10.77	10.60	10.93	10.91	10.61	128
1954	Above Normal	10.36	9.81	9.99	10.02	8.42	11.10	11.70	12.02	11.06	12.07	11.78	11.05	129
1955	Dry	10.79	10.22	10.40	7.31	6.26	3.35	4.94	6.76	7.34	6.45	7.96	7.92	90
1956	Wet	5.88	5.57	4.05	7.84	10.19	11.84	10.41	10.91	10.75	11.05	11.04	10.73	110
1957	Above Normal	10.46	9.92	10.09	10.00	8.22	11.43	11.75	9.07	8.77	8.99	8.98	8.72	116
1958	Wet	8.48	8.02	8.18	10.33	9.77	11.85	11.31	11.16	10.98	11.30	11.30	10.97	124
1959	Below Normal	10.72	10.14	10.32	9.89	10.17	9.54	9.11	9.31	9.20	9.45	9.44	9.16	116
1960	Dry	8.94	8.44	8.61	6.35	5.86	2.76	9.50	9.76	9.67	9.90	9.89	9.61	99
1961	Dry	9.35	8.86	9.04	5.20	4.95	2.92	7.95	9.39	9.66	9.32	10.18	9.97	97
1962	Below Normal	8.72	8.24	7.52	3.64	3.36	3.15	10.94	11.43	11.28	11.59	11.58	11.26	103
1963	Wet	10.99	10.42	10.62	10.28	8.78	11.00	11.72	12.02	11.70	11.55	11.50	11.18	132
1964	Dry	10.91	10.34	10.52	10.08	8.55	11.46	9.48	6.77	2.79	8.59	8.59	8.33	106
1965	Wet	8.08	7.60	7.74	10.39	9.34	8.78	8.66	8.37	8.23	8.50	8.49	8.23	102
1966	Below Normal	8.02	7.57	7.72	10.19	9.60	11.58	10.28	10.55	10.40	10.68	10.68	10.37	118
1967	Wet	10.12	9.58	9.75	9.62	9.95	10.77	10.84	11.22	11.04	11.37	11.37	11.05	127
1968	Below Normal	10.78	11.05	11.21	9.83	10.59	11.95	9.15	9.56	9.46	9.70	9.69	9.41	122
1969	Wet	9.17	8.68	8.84	8.94	9.97	11.46	11.58	11.38	11.07	11.38	11.38	11.06	125
1970	Wet	10.78	10.21	11.20	9.84	10.19	11.93	10.34	10.86	10.71	10.99	10.99	10.67	129
1971	Wet	10.42	9.86	10.04	9.40	9.61	9.99	11.72	12.04	10.90	12.08	11.20	11.66	129
1972	Below Normal	11.67	10.06	10.24	10.10	8.74	11.44	7.13	7.41	7.64	7.34	8.01	7.84	108
1973	Above Normal	6.72	6.32	5.70	9.29	10.09	11.82	9.95	10.43	10.30	10.55	10.55	10.24	112
1974	Wet	9.99	9.45	9.63	9.27	9.57	11.55	10.53	10.82	10.69	10.96	10.96	10.66	124
1975	Wet	10.40	9.83	10.01	9.51	8.76	11.72	10.73	11.07	10.93	11.21	11.21	10.90	126
1976	Critical	10.63	10.07	10.24	9.82	8.68	11.42	11.31	8.24	8.13	8.35	8.34	8.10	113
1977	Critical	7.88	7.43	7.58	5.61	5.09	1.99	1.67	2.09	2.32	1.75	1.72	1.63	47
1978	Above Normal	0.88	0.52	0.47	8.11	7.19	11.74	11.61	11.88	10.71	11.97	11.86	11.51	98
1979	Below Normal	11.93	11.34	11.07	2.35	9.64	9.97	10.31	10.61	10.48	10.74	10.73	10.44	120
1980	Above Normal	10.18	9.62	9.80	10.20	8.81	11.39	10.00	9.79	9.64	9.93	9.93	9.64	119
1981	Dry	9.41	8.89	9.05	10.12	8.76	10.94	9.48	9.72	9.63	9.85	9.85	9.57	115
1982	Wet	9.31	8.81	8.98	9.58	9.57	10.38	11.63	10.83	10.67	10.96	10.96	10.64	122
1983	Wet	10.39	9.83	11.23	9.83	10.25	11.86	10.97	11.48	11.32	11.62	10.95	10.65	130
1984	Wet	11.16	10.59	11.23	9.83	10.64	11.86	10.30	10.82	10.64	10.96	10.95	10.65	130
1985	Dry	10.37	9.83	10.01	10.02	8.39	11.42	11.61	9.83	9.72	8.68	6.93	10.24	117
1986	Wet	10.02	9.50	9.69	6.38	6.22	11.56	9.88	9.51	9.39	9.65	9.65	9.35	111
1987	Dry	9.10	8.61	8.78	10.43	9.42	8.20	8.14	8.31	8.20	8.42	8.42	8.17	104
1988	Critical	7.96	7.51	7.67	5.41	5.03	2.18	4.75	6.41	6.90	5.11	5.04	4.89	69
1989	Dry	2.77	1.79	1.44	0.49	0.76	0.77	11.59	11.87	11.21	11.95	11.85	11.50	78
1990	Critical	11.91	11.32	11.05	3.06	2.98	1.38	5.22	7.04	7.59	5.60	5.53	5.36	78
1991	Critical	3.03	1.98	1.59	0.46	0.48	0.29	4.93	6.68	7.20	5.33	5.25	5.10	42
1992	Critical	2.88	1.88	1.52	0.45	0.52	0.56	5.64	7.81	8.44	6.80	7.71	7.65	52
1993	Above Normal	5.04	4.23	3.25	0.69	9.39	11.59	11.09	11.63	11.46	11.77	11.77	11.44	103
1994	Critical	11.17	10.57	10.76	10.38	10.30	10.14	7.39	7.54	0.18	8.61	8.60	8.35	104
1995	Wet	8.09	7.63	7.78	4.58	10.08	11.57	11.68	11.99	11.50	12.05	11.98	11.55	120
1996	Wet	11.23	10.63	10.82	9.34	9.60	11.90	9.42	10.17	10.03	10.31	10.31	10.01	124
1997	Wet	9.76	9.24	9.41	9.32	9.57	11.60	7.82	8.01	7.88	8.12	8.11	7.87	107
1998	Wet	7.64	7.22	7.37	10.31	9.68	11.55	10.60	10.90	10.73	11.07	11.07	10.75	119
1999	Wet	10.48	10.79	11.23	9.83	10.29	11.84	9.66	10.12	9.96	10.29	10.29	9.99	125
2000	Above Normal	9.73	9.22	9.39	9.34	8.60	11.25	11.69	12.01	11.19	12.06	12.00	11.22	128
2001	Dry	10.93	10.37	10.55	7.33	6.82	6.74	5.35	7.88	8.55	7.54	9.29	9.25	101
2002	Dry	6.86	6.55	4.76	0.97	8.18	1.89	8.84	9.07	8.93	9.23	9.22	8.95	83
2003	Above Normal	8.71	8.25	8.42	10.39	8.94	10.49	9.06	11.88	10.61	2.97	0.98	11.61	102
Average		9	8	8	7	7	9	9	10	10	10	10	10	106
Wet		10	9	10	9	10	11	11	11	11	11	11	11	123
Above Normal		9	8	8	8	8	11	11	11	10	10	10	11	116
Below Normal		10	9	8	5	6	9	10	11	11	11	11	11	111
Dry		8	7	7	5	7	6	8	9	9				

Difference in Energy generated (GWh) at Mojave Dam : CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	1	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	0	0	0	0	1	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	1	0	0	-1	3	0	0	0	0	0	0	0
1927	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	1	0	0	1	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	0	0	0	1	0	0	0	0	0	0
1931	Critical	1	0	1	2	2	1	0	-1	-1	0	0	0	0
1932	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1935	Below Norma	0	0	0	0	0	-1	1	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	-1	0	0	0	3	0	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1940	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	-1	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	2	0	0	-1	0	-1	-1	0	0
1945	Below Norma	0	0	0	0	0	-1	0	0	0	0	0	0	0
1946	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1947	Dry	0	0	0	0	0	0	1	1	1	1	1	1	0
1948	Below Norma	1	1	1	0	0	0	0	0	0	0	0	0	0
1949	Dry	0	0	0	0	0	0	0	0	0	0	-1	-1	0
1950	Below Norma	-1	-1	0	0	0	1	0	0	0	0	0	0	0
1951	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1956	Wet	0	1	0	0	0	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	2	0	0	1	-1	-1	0
1961	Dry	1	1	2	3	2	-2	1	0	0	0	0	0	1
1962	Below Norma	0	0	1	1	1	-6	-1	0	0	0	0	0	0
1963	Wet	-1	-1	0	0	0	0	0	0	0	-1	0	0	0
1964	Dry	0	0	0	4	0	1	2	-1	-5	0	0	0	0
1965	Wet	1	0	1	0	0	0	0	0	0	0	0	0	0
1966	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	2	0	-1	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	2	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	2	0	0	1	0	-1	0	-1	-1	0
1973	Above Norma	0	0	1	1	1	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	-1	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	1	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	-1	-1	-1	-1	-1	-1	0
1978	Above Norma	0	0	0	8	-1	0	0	0	0	0	0	0	0
1979	Below Norma	0	0	0	-1	-1	-1	0	0	0	0	0	0	0
1980	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	-1	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	-1	0	1	0	-1	0
1986	Wet	-1	-1	-1	0	0	0	0	0	0	0	0	0	0
1987	Dry	0	0	0	0	0	-2	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	-1	-1	0	0	0	0
1989	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	3	2	1	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	1	0	-7	1	1	0	0
1995	Wet	2	1	2	2	0	1	0	0	0	0	0	0	1
1996	Wet	0	0	0	0	-1	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	3	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	1	0	0	0	0	0	0	0	0
2003	Above Norma	0	0	0	2	0	2	-1	0	-1	0	0	0	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norma		0	0	0	1	0	0	0	0	0	0	0	0	0
Below Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Dry		0	0	0	0	0	0	0	0	0	0	0	0	0
Critical		0	0	0	0	0	0	0	0	-1	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy generated (GWh) at Mojave Dam : CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	431%	3%	0%	-1%	-1%	-1%	-1%	-1%	-1%
1923	Below Norma	-1%	-1%	-1%	0%	0%	0%	0%	0%	-1%	0%	0%	14%
1924	Critical	4%	4%	4%	5%	5%	5%	2%	2%	2%	2%	2%	2%
1925	Dry	2%	2%	2%	2%	0%	28%	-5%	-6%	-5%	-2%	2%	2%
1926	Dry	8%	15%	12%	6%	-17%	43%	1%	-2%	-2%	-2%	-2%	-2%
1927	Wet	-2%	-2%	-2%	1%	-4%	0%	0%	0%	0%	0%	0%	0%
1928	Above Norma	0%	0%	0%	11%	1%	0%	7%	-2%	-2%	-2%	-2%	-2%
1929	Critical	-2%	-2%	-2%	1%	1%	1%	2%	2%	2%	2%	2%	2%
1930	Dry	2%	2%	2%	3%	1%	0%	21%	3%	-2%	3%	-3%	-4%
1931	Critical	7%	6%	25%	163%	125%	79%	-7%	-8%	-8%	-7%	-7%	-7%
1932	Dry	-8%	-8%	-8%	-6%	-2%	-11%	3%	3%	3%	0%	-2%	-2%
1933	Critical	-6%	-9%	-8%	-2%	-4%	-1%	5%	4%	4%	2%	0%	-1%
1934	Critical	-4%	-7%	-6%	-3%	-1%	-3%	-1%	-1%	-1%	-1%	-1%	-1%
1935	Below Norma	-1%	-1%	-1%	-1%	0%	-12%	8%	0%	0%	0%	0%	0%
1936	Below Norma	0%	3%	-1%	-1%	2%	1%	1%	0%	-2%	0%	0%	0%
1937	Below Norma	2%	-8%	-4%	2%	0%	41%	-3%	-3%	-3%	-3%	-3%	-2%
1938	Wet	-3%	-3%	-3%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1940	Above Norma	0%	0%	0%	2%	2%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	5%	-2%	-2%	1%	1%	-2%	0%	0%	0%
1942	Wet	-5%	-2%	-2%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%
1944	Dry	1%	1%	1%	1%	32%	1%	-4%	-4%	-4%	-4%	-4%	-4%
1945	Below Norma	-5%	-5%	-5%	-1%	2%	-5%	0%	0%	0%	0%	0%	0%
1946	Below Norma	0%	0%	0%	-1%	0%	0%	0%	0%	2%	0%	0%	0%
1947	Dry	0%	0%	0%	-1%	0%	0%	6%	6%	6%	6%	6%	6%
1948	Below Norma	6%	6%	6%	6%	7%	4%	-2%	-2%	-2%	-2%	-2%	-2%
1949	Dry	-2%	-2%	-2%	-4%	-4%	-4%	-5%	-5%	-5%	-6%	-7%	-7%
1950	Below Norma	-8%	-10%	-9%	-8%	-2%	54%	1%	1%	1%	1%	1%	1%
1951	Above Norma	1%	1%	1%	0%	0%	-1%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Norma	0%	0%	0%	0%	1%	-1%	0%	0%	0%	-2%	0%	0%
1955	Dry	0%	0%	0%	-1%	0%	2%	-7%	-3%	-3%	0%	3%	3%
1956	Wet	7%	12%	10%	-1%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norma	0%	0%	0%	0%	0%	0%	3%	5%	2%	2%	2%	2%
1958	Wet	2%	2%	2%	0%	-3%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	0%	0%	-1%	2%	1%	1%	1%	1%	1%	1%
1960	Dry	1%	1%	1%	1%	1%	1%	27%	4%	-2%	8%	-6%	-8%
1961	Dry	10%	10%	33%	95%	69%	-41%	15%	2%	-1%	4%	-2%	-3%
1962	Below Norma	6%	6%	18%	59%	52%	-66%	-6%	-4%	-2%	-3%	-3%	-2%
1963	Wet	-6%	-6%	-4%	2%	2%	4%	0%	3%	3%	-4%	-3%	-1%
1964	Dry	-1%	-1%	-1%	62%	0%	6%	31%	-17%	-66%	6%	-1%	-1%
1965	Wet	7%	7%	16%	0%	-1%	2%	3%	3%	3%	3%	3%	3%
1966	Below Norma	3%	3%	3%	0%	0%	-1%	1%	1%	1%	1%	1%	1%
1967	Wet	1%	1%	1%	32%	-2%	-6%	-2%	-2%	-2%	-2%	-2%	-2%
1968	Below Norma	-2%	-2%	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%
1969	Wet	1%	1%	1%	31%	-2%	-1%	-1%	0%	-2%	-2%	-2%	-2%
1970	Wet	-2%	-2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	5%	0%
1972	Below Norma	-3%	-2%	-1%	31%	0%	0%	20%	-4%	-7%	-2%	-8%	-9%
1973	Above Norma	0%	0%	12%	9%	6%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	-8%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	-1%	0%	0%	11%	6%	6%	6%	6%	6%
1977	Critical	6%	6%	6%	5%	4%	1%	-27%	-28%	-28%	-27%	-28%	-28%
1978	Above Norma	-29%	-32%	-29%	1791%	-14%	0%	0%	0%	-3%	0%	0%	0%
1979	Below Norma	0%	0%	0%	-35%	-5%	-5%	0%	0%	0%	0%	0%	0%
1980	Above Norma	0%	0%	0%	0%	0%	0%	-1%	1%	1%	1%	1%	1%
1981	Dry	1%	1%	1%	0%	0%	-5%	1%	1%	1%	1%	1%	1%
1982	Wet	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	-1%	-6%	-4%	12%	-4%	-5%
1986	Wet	-5%	-5%	-5%	-3%	1%	4%	3%	4%	4%	4%	4%	4%
1987	Dry	4%	4%	4%	3%	0%	-17%	-2%	-2%	-2%	-2%	-2%	-2%
1988	Critical	-2%	-2%	-2%	-4%	1%	-4%	-7%	-8%	-8%	-7%	-7%	-7%
1989	Dry	-8%	-8%	-7%	-7%	-15%	-6%	0%	0%	-1%	0%	0%	0%
1990	Critical	0%	0%	0%	451%	337%	167%	1%	1%	1%	1%	1%	1%
1991	Critical	1%	1%	1%	-1%	-7%	-11%	7%	7%	7%	7%	7%	7%
1992	Critical	7%	8%	8%	4%	-1%	-25%	8%	3%	3%	1%	-2%	-2%
1993	Above Norma	-6%	-10%	-8%	-3%	0%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	0%	0%	3%	22%	3%	-98%	20%	7%	6%
1995	Wet	24%	24%	45%	50%	0%	8%	3%	3%	0%	2%	2%	1%
1996	Wet	0%	0%	-3%	-5%	-9%	0%	1%	1%	1%	1%	1%	1%
1997	Wet	1%	1%	1%	0%	0%	0%	4%	4%	4%	4%	4%	4%
1998	Wet	4%	4%	4%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norma	0%	0%	0%	55%	-1%	0%	4%	3%	-2%	2%	2%	-2%
2001	Dry	-2%	-2%	-2%	0%	1%	0%	2%	2%	2%	2%	2%	2%
2002	Dry	2%	2%	2%	1%	10%	-1%	6%	4%	3%	4%	3%	3%
2003	Above Norma	4%	5%	6%	21%	0%	17%	-6%	-1%	-7%	14%	44%	0%
Average		0%	0%	1%	40%	7%	3%	2%	0%	-3%	1%	0%	0%
Wet		1%	1%	2%	4%	-1%	0%	1%	0%	0%	0%	0%	0%
Above Norma		-2%	-3%	-1%	193%	0%	1%	0%	0%	-1%	1%	4%	0%
Below Norma		0%	-1%	0%	4%	4%	1%	2%	-1%	-1%	0%	-1%	0%
Dry		0%	1%	2%	9%	4%	0%	5%	-1%	-5%	2%	-1%	-1%
Critical		1%	0%	2%	51%	38%	18%	1%	-1%	-10%	0%	-2%	-2%

Energy generated (GWh) at Oroville Dam: CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	137.14	79.64	108.43	50.25	106.53	159.14	119.73	609.34	326.75	243.73	122.92	96.08	2,160
1923	Below Normal	147.09	87.62	315.02	164.72	48.63	128.85	125.07	160.19	201.10	390.45	289.93	124.81	2,183
1924	Critical	114.21	77.22	99.49	47.29	57.90	83.54	101.69	116.10	179.46	137.38	121.50	95.51	1,231
1925	Dry	36.66	18.60	19.99	18.68	18.55	93.03	59.73	90.35	150.89	144.83	90.02	69.22	811
1926	Dry	68.70	25.29	51.78	21.33	20.69	19.90	76.95	244.84	293.39	235.22	242.72	140.24	1,441
1927	Wet	124.02	26.72	111.44	22.56	352.68	239.18	224.44	229.17	166.46	370.09	251.64	185.87	2,304
1928	Above Normal	137.69	55.47	74.42	50.93	141.13	579.03	87.09	293.47	276.62	255.11	226.98	137.47	2,315
1929	Critical	94.35	48.35	47.90	46.99	42.17	47.86	130.31	134.28	136.16	159.51	171.40	66.27	1,126
1930	Dry	51.76	33.97	102.34	20.89	104.75	18.92	73.44	107.86	250.63	177.79	218.82	114.17	1,275
1931	Critical	94.71	73.19	73.36	24.08	38.88	20.02	138.50	99.29	235.90	209.83	158.65	57.35	1,224
1932	Dry	40.38	23.24	103.91	18.63	18.43	78.54	106.23	75.61	148.87	130.29	87.85	70.75	903
1933	Critical	83.33	51.82	24.53	23.77	22.10	140.38	105.03	107.59	140.41	134.60	99.38	79.81	1,013
1934	Critical	63.31	50.15	76.01	20.61	89.93	17.42	122.73	112.34	143.76	123.37	161.82	96.38	1,078
1935	Below Normal	89.69	18.94	19.12	18.38	22.15	17.31	54.53	207.99	368.04	290.55	285.33	139.20	1,531
1936	Below Normal	118.43	63.03	72.41	39.76	43.45	52.06	87.40	243.19	116.36	338.63	240.42	89.81	1,505
1937	Below Normal	145.99	77.45	50.66	49.05	42.52	49.71	86.91	125.80	279.48	262.70	190.01	116.63	1,477
1938	Wet	128.48	48.11	137.82	177.47	445.66	578.40	482.80	609.34	397.92	153.22	124.86	189.15	3,473
1939	Dry	206.82	101.48	115.03	129.22	84.66	183.53	192.41	208.95	274.22	295.23	264.11	113.69	2,169
1940	Above Normal	112.08	62.01	28.14	26.41	29.54	572.15	186.51	210.53	283.79	409.07	290.19	121.44	2,332
1941	Wet	124.15	71.55	47.10	50.12	521.77	388.05	157.48	384.91	228.17	230.93	118.50	102.33	2,425
1942	Wet	177.90	109.86	589.24	484.30	522.92	91.07	383.22	281.81	322.18	159.42	140.46	152.58	3,415
1943	Wet	200.68	191.69	299.08	583.67	228.96	550.35	179.35	167.85	151.00	302.68	197.74	146.34	3,197
1944	Dry	142.70	82.73	101.32	53.62	52.15	105.44	131.58	113.66	327.67	385.24	294.49	190.66	1,981
1945	Below Normal	117.45	45.91	44.74	45.28	43.79	52.40	100.02	111.80	320.82	356.24	255.00	141.32	1,635
1946	Below Normal	94.44	47.17	49.60	52.37	129.12	221.66	111.83	154.01	305.06	407.36	316.42	192.75	2,082
1947	Dry	136.34	70.92	45.29	58.25	41.85	49.10	91.11	134.17	135.27	329.16	238.58	127.63	1,458
1948	Below Normal	64.98	61.06	29.03	26.33	37.81	24.70	42.50	87.44	128.34	395.05	288.94	97.98	1,284
1949	Dry	128.79	71.43	46.16	47.61	124.69	46.65	82.01	92.33	169.75	277.19	123.79	123.61	1,334
1950	Below Normal	61.27	65.83	30.34	19.66	19.52	19.08	94.41	119.48	241.44	310.35	169.93	90.63	1,242
1951	Above Normal	78.58	304.61	500.62	395.42	332.35	155.82	114.14	133.55	294.38	373.17	313.47	179.62	3,176
1952	Wet	126.20	50.31	50.01	163.50	383.25	239.61	582.47	609.34	410.32	180.58	136.96	178.91	3,111
1953	Wet	200.12	98.84	312.56	582.88	48.18	212.51	207.83	197.58	290.96	411.81	139.92	99.45	2,803
1954	Above Normal	71.60	82.10	101.07	336.54	262.45	345.30	244.72	397.40	273.02	359.04	233.01	168.38	2,875
1955	Dry	133.26	47.28	44.52	45.35	66.75	48.37	108.97	108.77	160.79	145.66	161.36	71.50	1,143
1956	Wet	68.83	46.96	200.46	578.40	357.02	221.93	186.31	465.49	251.68	209.90	144.87	99.26	2,831
1957	Above Normal	264.15	61.01	111.91	147.07	494.98	233.94	120.82	112.98	335.67	279.98	261.27	77.25	2,501
1958	Wet	55.31	64.46	51.17	103.79	524.37	401.38	286.54	455.88	328.26	158.37	129.94	170.86	2,730
1959	Below Normal	201.08	102.19	116.88	342.60	292.05	73.38	153.61	121.09	311.36	365.00	237.02	53.82	2,370
1960	Dry	128.46	71.64	138.10	28.88	26.31	25.10	108.75	107.53	264.31	262.42	237.41	150.16	1,549
1961	Dry	92.96	30.94	37.66	30.57	25.84	30.07	95.80	106.35	159.21	252.81	126.80	138.08	1,127
1962	Below Normal	121.94	43.08	20.13	21.93	17.54	17.56	88.45	114.52	390.37	370.17	279.91	155.76	1,641
1963	Wet	32.45	32.42	32.62	33.27	483.64	282.31	464.03	195.89	346.58	391.97	237.04	141.73	2,674
1964	Dry	74.32	50.30	49.86	49.37	47.62	51.91	237.05	116.49	275.76	350.74	241.56	123.77	1,669
1965	Wet	84.10	41.85	147.69	578.40	144.92	180.32	321.01	280.85	133.76	268.81	99.04	93.54	2,374
1966	Below Normal	137.52	271.21	118.77	114.84	52.53	149.87	118.54	178.65	260.64	361.05	288.53	125.31	2,177
1967	Wet	137.29	46.61	48.16	98.58	202.54	491.64	93.69	427.09	388.75	158.33	121.60	180.72	2,395
1968	Below Normal	209.96	92.80	122.65	277.22	375.15	224.67	161.36	123.81	295.69	364.11	217.22	116.16	2,581
1969	Wet	114.52	46.76	47.56	453.51	381.16	218.22	316.99	558.30	225.30	155.08	130.73	247.45	2,896
1970	Wet	126.92	128.92	564.14	578.91	323.66	138.34	232.58	123.66	238.28	350.28	225.17	151.23	3,182
1971	Wet	124.64	68.77	48.28	50.21	70.27	337.73	217.99	383.11	288.24	444.34	313.24	86.11	2,433
1972	Below Normal	117.51	78.27	51.68	51.59	140.04	240.34	119.51	119.08	242.30	282.71	192.97	108.52	1,745
1973	Above Normal	54.18	48.80	50.02	328.01	306.55	204.68	99.07	183.17	312.74	305.81	177.29	93.82	2,164
1974	Wet	53.43	263.49	342.74	581.21	235.53	581.74	337.04	305.75	255.45	186.14	116.29	173.35	3,432
1975	Wet	177.14	116.75	96.43	101.86	411.70	437.52	88.37	394.81	316.16	230.78	108.90	97.57	2,578
1976	Critical	184.03	130.93	134.80	120.65	129.07	148.09	124.89	139.26	218.50	144.56	166.57	126.86	1,758
1977	Critical	128.73	70.47	160.14	31.35	28.23	26.16	74.72	49.24	110.05	95.10	77.29	38.80	890
1978	Above Normal	39.37	15.48	15.59	16.65	21.88	26.38	186.96	130.50	164.43	229.44	125.51	79.96	1,052
1979	Below Normal	168.01	83.72	84.27	119.29	363.50	148.87	84.41	131.04	343.18	292.43	154.28	136.29	2,109
1980	Above Normal	86.88	56.06	55.62	549.74	541.79	177.39	98.28	119.44	122.30	129.08	106.45	90.76	2,134
1981	Dry	132.66	73.36	128.61	262.84	110.75	236.66	88.74	123.14	270.73	312.76	198.15	150.47	2,089
1982	Wet	91.66	34.22	575.26	279.23	531.69	458.81	577.64	386.50	233.31	143.71	118.66	197.99	3,629
1983	Wet	243.80	291.10	374.11	430.01	524.21	578.40	323.80	517.86	513.56	210.12	135.90	226.55	4,369
1984	Wet	197.60	491.24	583.20	186.49	275.63	310.85	108.04	128.01	307.47	397.32	226.63	163.79	3,376
1985	Dry	63.56	49.12	49.79	55.61	47.72	60.63	109.74	256.48	375.44	359.89	250.23	121.21	1,799
1986	Wet	118.32	61.37	37.72	38.52	482.52	578.40	87.73	124.59	135.15	180.89	106.77	77.03	2,029
1987	Dry	83.08	61.28	59.43	75.94	172.20	262.61	121.82	171.47	205.23	195.50	213.03	120.12	1,742
1988	Critical	118.45	60.85	28.03	28.94	29.20	54.08	62.24	57.01	124.56	172.22	136.91	66.40	939
1989	Dry	69.28	21.47	19.75	19.14	17.96	148.28	88.23	216.91	316.90	341.62	277.10	66.68	1,603
1990	Critical	108.93	64.19	125.90	17.40	16.08	14.66	108.88	64.59	100.53	130.05	148.55	68.80	969
1991	Critical	68.74	27.40	34.83	20.53	18.75	13.83	44.42	58.42	76.48	120.01	78.00	73.84	635
1992	Critical	55.82	30.89	22.75	20.30	18.51	14.94	62.01	114.36	123.30	127.31	111.21	97.55	799
1993	Above Normal	74.18	51.04	17.99	17.67	18.62	248.68	170.13	349.03	245.46	308.39	187.26	120.05	1,808
1994	Critical	122.66	80.83	35.39	42.90	171.28	149.64	117.78	105.16	216.49	348.70	231.23	97.18	1,719
1995	Wet	106.51	53.26	26.18	29.28	238.87	578.40	481.67	608.96	469.89	189.28	179.61	154.58	3,116
1996	Wet	198.06	92.38	190.63	416.78	541.08	342.57	271.58	430.61	222.67	259.78	127.09	102.92	3,196
1997	Wet	120.87	138.32	587.54	578.40	312.85	182.88	120.31	120.35	187.17	229.88	94.66	134.37	2,808
1998	Wet	119.90	56.87	61.01	569.25	522.43	480.98	139.60	363					

Shasta Lake Water Resource Investigation
Socioeconomic Appendix - Power and Energy Technical Report

Energy generated (GWh) at Oroville Dam: CP3_2020

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	137.14	79.64	108.43	50.32	106.46	159.14	119.73	609.34	326.75	239.77	122.96	96.13	2,156
1923	Below Normal	150.25	121.99	280.75	164.72	105.70	118.44	88.67	146.58	225.17	386.25	261.94	159.71	2,210
1924	Critical	129.69	76.06	123.99	45.89	43.97	82.59	100.63	103.95	141.06	152.94	119.69	58.72	1,179
1925	Dry	21.15	19.07	20.53	19.13	18.96	94.24	60.54	91.31	152.53	146.55	91.29	104.13	839
1926	Dry	68.42	25.37	51.79	21.33	20.69	20.03	77.38	247.57	297.23	240.48	243.59	134.74	1,449
1927	Wet	117.65	26.74	111.39	22.56	351.09	239.18	224.44	229.17	166.46	369.14	250.63	191.32	2,300
1928	Above Normal	137.62	55.43	74.36	50.96	141.03	578.84	87.10	297.06	277.84	255.17	225.58	155.80	2,337
1929	Critical	96.41	47.84	47.38	46.47	41.73	47.40	129.04	133.73	135.30	139.24	163.55	66.62	1,095
1930	Dry	51.66	33.94	102.37	20.93	104.77	18.97	73.52	107.99	262.83	242.53	190.39	108.61	1,319
1931	Critical	113.08	71.96	101.44	23.13	21.56	19.47	135.36	96.63	191.00	195.39	155.06	56.19	1,180
1932	Dry	39.29	19.12	102.32	18.38	18.19	77.67	105.43	74.97	148.11	129.51	86.52	70.07	890
1933	Critical	82.63	51.30	24.29	23.58	21.90	139.17	104.12	106.70	139.46	133.55	98.48	70.44	996
1934	Critical	61.04	46.10	75.77	20.56	89.73	17.38	122.45	112.01	143.37	122.97	158.68	84.98	1,055
1935	Below Normal	90.38	19.11	19.29	18.53	22.32	17.43	54.81	206.86	370.69	303.31	278.76	129.01	1,531
1936	Below Normal	119.82	63.83	73.87	40.17	43.78	52.34	87.75	247.29	116.74	345.12	246.47	104.16	1,541
1937	Below Normal	145.78	77.30	50.55	48.96	42.41	49.75	86.77	125.65	270.66	254.43	184.04	116.81	1,453
1938	Wet	129.17	48.38	153.60	177.47	445.66	578.40	482.80	609.34	397.92	153.22	124.85	189.15	3,490
1939	Dry	206.82	101.48	115.03	129.22	84.66	183.53	193.80	194.85	262.06	302.71	294.35	102.75	2,171
1940	Above Normal	114.13	62.52	28.05	26.30	29.50	571.83	186.51	212.79	284.06	408.62	290.07	121.10	2,335
1941	Wet	124.06	71.49	47.07	50.17	521.66	388.05	157.48	384.91	234.23	238.02	118.31	102.16	2,438
1942	Wet	165.32	109.86	589.24	484.30	522.92	91.07	383.22	281.81	322.18	159.60	140.45	152.39	3,402
1943	Wet	200.68	191.69	299.08	583.67	228.96	550.35	179.35	169.88	151.00	305.84	200.72	147.02	3,206
1944	Dry	145.49	82.57	106.29	53.44	49.82	89.56	130.77	113.65	324.21	357.53	298.50	234.26	1,986
1945	Below Normal	116.56	45.52	44.42	46.81	43.57	52.23	99.89	111.48	322.75	350.23	248.14	114.90	1,596
1946	Below Normal	96.06	47.46	49.81	66.03	132.42	221.65	111.83	154.01	311.31	416.39	338.23	187.60	2,133
1947	Dry	133.15	47.23	45.15	47.76	41.89	49.14	91.24	134.91	165.71	353.24	246.44	129.16	1,485
1948	Below Normal	81.00	52.35	27.38	24.87	35.60	23.46	40.97	85.44	125.89	366.23	289.17	84.44	1,237
1949	Dry	112.01	69.65	45.01	46.45	127.01	45.44	80.28	90.71	168.12	237.39	110.65	117.35	1,250
1950	Below Normal	60.59	50.28	23.23	19.81	19.66	19.28	94.77	119.85	247.55	325.30	163.72	94.01	1,238
1951	Above Normal	89.06	295.66	500.62	395.42	332.35	155.82	114.14	133.55	295.27	372.18	323.43	198.51	3,206
1952	Wet	124.00	49.80	49.62	132.52	383.25	239.61	582.47	609.34	410.32	180.58	136.95	178.92	3,077
1953	Wet	200.12	98.84	312.56	582.88	48.18	212.51	207.83	197.58	290.96	411.81	139.91	99.47	2,803
1954	Above Normal	71.61	82.07	101.07	336.54	262.45	345.30	244.72	397.41	273.02	359.65	231.79	160.62	2,866
1955	Dry	133.78	47.47	44.69	45.53	69.80	48.50	109.21	109.02	162.53	145.97	104.47	100.62	1,122
1956	Wet	81.84	47.58	224.23	578.40	357.02	221.83	186.31	465.49	251.68	209.73	144.85	99.45	2,868
1957	Above Normal	264.15	61.01	111.91	147.07	494.98	233.94	121.61	113.01	339.36	304.45	247.19	114.89	2,554
1958	Wet	54.66	63.59	50.56	51.56	524.15	401.38	286.54	455.88	328.26	158.42	131.80	170.76	2,678
1959	Below Normal	201.08	102.19	116.88	342.60	292.05	73.34	152.29	121.14	298.72	367.79	258.85	53.64	2,381
1960	Dry	130.83	71.19	153.10	28.32	25.95	24.87	109.22	106.92	247.00	255.37	238.22	153.91	1,545
1961	Dry	106.99	30.46	36.89	29.82	25.33	29.54	94.69	105.44	160.39	266.27	218.20	157.18	1,261
1962	Below Normal	107.93	48.94	17.52	19.12	15.58	15.94	83.36	109.01	256.48	368.35	219.45	186.12	1,448
1963	Wet	30.31	30.82	31.47	32.42	353.54	282.31	464.03	195.79	341.06	357.39	212.40	141.55	2,473
1964	Dry	74.16	51.12	50.62	50.22	48.28	52.69	261.30	115.43	290.13	339.46	278.70	131.70	1,744
1965	Wet	90.12	42.04	148.99	578.40	144.92	180.26	321.01	288.39	141.68	251.76	95.74	93.72	2,377
1966	Below Normal	141.89	271.21	118.77	114.84	52.53	149.92	118.54	178.61	260.11	365.19	254.57	153.21	2,179
1967	Wet	137.46	46.68	48.21	101.58	202.54	491.64	93.69	427.09	388.75	158.33	121.57	180.72	2,398
1968	Below Normal	209.96	92.80	122.65	277.22	375.15	224.67	162.62	123.81	298.92	337.81	252.60	115.82	2,594
1969	Wet	122.94	46.36	47.17	427.60	381.16	218.22	316.99	558.30	225.30	155.06	130.71	247.49	2,877
1970	Wet	128.92	128.92	564.14	578.91	323.66	138.34	235.55	123.61	245.05	350.75	225.48	153.13	3,194
1971	Wet	123.92	68.38	48.05	50.03	70.89	320.67	217.99	383.11	288.24	444.34	313.67	86.10	2,415
1972	Below Normal	117.82	78.26	51.67	51.67	139.15	240.34	119.57	119.17	244.82	281.79	234.70	108.13	1,787
1973	Above Normal	53.69	48.37	49.56	279.71	306.55	204.68	99.07	183.16	314.13	307.25	178.99	93.77	2,119
1974	Wet	53.39	258.63	342.74	581.21	231.05	581.98	337.04	305.75	255.45	187.78	116.26	171.70	3,423
1975	Wet	177.14	116.75	96.43	101.86	411.70	437.52	88.37	394.81	316.16	230.49	108.90	97.57	2,578
1976	Critical	184.32	130.93	134.80	120.65	129.07	148.09	124.94	141.44	220.38	194.24	143.05	141.67	1,814
1977	Critical	127.68	68.75	169.54	29.93	65.54	24.15	66.45	45.35	99.31	84.22	68.40	30.25	880
1978	Above Normal	45.05	6.70	10.62	14.44	19.95	24.95	68.99	129.01	140.36	251.86	141.41	78.70	932
1979	Below Normal	165.27	82.29	82.71	41.26	334.95	148.87	84.42	131.05	348.15	297.37	144.05	134.25	1,995
1980	Above Normal	89.96	56.07	55.62	548.78	541.79	177.39	98.29	119.46	122.33	129.11	106.48	90.82	2,136
1981	Dry	132.46	73.36	128.61	262.84	110.75	236.66	88.75	123.16	275.54	278.69	173.70	218.19	2,103
1982	Wet	91.49	34.11	567.89	279.23	531.69	458.81	577.64	386.50	233.31	141.41	118.66	197.99	3,619
1983	Wet	243.80	291.10	374.11	430.01	524.21	578.40	323.80	517.86	513.56	210.12	135.90	226.55	4,369
1984	Wet	197.60	491.24	583.20	186.49	275.63	310.85	108.04	128.01	307.35	397.60	226.16	153.45	3,366
1985	Dry	113.35	48.62	49.32	55.12	47.34	52.42	112.30	253.95	320.65	364.43	252.20	120.59	1,790
1986	Wet	119.07	61.77	38.00	38.83	483.49	578.40	87.77	124.66	135.21	201.28	106.53	76.96	2,052
1987	Dry	82.96	53.50	54.92	66.71	172.20	262.61	181.74	141.60	227.43	248.38	201.62	128.49	1,822
1988	Critical	109.81	56.80	26.22	27.50	27.83	51.70	59.69	54.74	119.26	125.97	115.27	64.40	839
1989	Dry	68.96	20.73	19.07	18.62	17.47	85.53	88.24	216.51	304.02	349.43	254.92	103.85	1,547
1990	Critical	108.37	63.85	131.91	17.20	15.96	14.57	107.82	64.04	99.64	130.40	147.31	67.91	969
1991	Critical	66.92	28.53	34.31	20.20	18.45	13.60	43.94	57.89	75.80	118.79	77.28	72.95	629
1992	Critical	55.00	30.45	22.49	20.03	18.27	14.79	61.46	113.62	122.39	125.66	113.05	95.90	793
1993	Above Normal	66.97	44.86	17.85	17.60	18.55	237.03	170.13	349.03	245.46	335.40	214.12	119.06	1,836
1994	Critical	126.64	78.88	35.04	37.86	116.45	149.63	117.88	105.30	182.32	350.21	248.30	121.41	1,670
1995	Wet	97.70	59.99	26.14	29.19	229.72	578.40	481.67	608.96	469.89	189.28	179.58	154.60	3,105
1996	Wet	198.06	92.38	190.63	416.78	541.08	342.57	271.58	430.61	228.40	261.61	126.90	102.79	3,203
1997	Wet	125.13	124.04	587.54	578.40	312.85	182.88	120.35	120.41	199.14	241.25	94.36	136.82	2,823
1998	Wet	138.07	56.43	60.46	520.45	522.43	480.98	139.60						

Difference in Energy generated (GWh) at Oroville Dam: CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norm	0	0	0	0	0	0	0	0	0	-4	0	0	0
1923	Below Norm	-3	34	-34	0	57	-10	-36	-14	24	-4	-28	35	2
1924	Critical	15	-1	25	-1	-14	-1	-1	-12	-38	16	-2	-37	-4
1925	Dry	-16	0	1	0	0	1	1	1	2	2	1	35	2
1926	Dry	0	0	0	0	0	0	0	3	4	5	1	-6	1
1927	Wet	-6	0	0	0	-2	0	0	0	0	-1	-1	5	0
1928	Above Norm	0	0	0	0	0	0	0	4	1	0	-1	18	2
1929	Critical	2	-1	-1	-1	0	0	-1	-1	-1	-20	-8	0	-3
1930	Dry	0	0	0	0	0	0	0	0	12	65	-28	-6	4
1931	Critical	18	-1	28	-1	-17	-1	-3	-3	-45	-14	-4	-1	-4
1932	Dry	-1	-4	-2	0	0	-1	-1	-1	-1	-1	-1	-1	-1
1933	Critical	-1	-1	0	0	0	-1	-1	-1	-1	-1	-1	-9	-1
1934	Critical	-2	-4	0	0	0	0	0	0	0	0	-3	-11	-2
1935	Below Norm	1	0	0	0	0	0	0	-1	3	13	-7	-10	0
1936	Below Norm	1	1	1	0	0	0	0	4	0	6	6	14	3
1937	Below Norm	0	0	0	0	0	0	0	-9	-8	-6	0	0	-2
1938	Wet	1	0	16	0	0	0	0	0	0	0	0	0	1
1939	Dry	0	0	0	0	0	0	1	-14	-12	7	30	-11	0
1940	Above Norm	2	1	0	0	0	0	0	2	0	0	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	6	7	0	0	1
1942	Wet	-13	0	0	0	0	0	0	0	0	0	0	0	-1
1943	Wet	0	0	0	0	0	0	0	2	0	3	3	1	1
1944	Dry	3	0	5	0	-2	-16	-1	0	-3	-28	4	44	0
1945	Below Norm	-1	0	0	2	0	0	0	0	2	-6	-7	-26	-3
1946	Below Norm	2	0	0	14	3	0	0	0	6	9	22	-5	4
1947	Dry	-3	-24	0	-10	0	0	0	1	30	24	8	2	2
1948	Below Norm	16	-9	-2	-1	-2	-1	-2	-2	-2	-29	0	-14	-4
1949	Dry	-17	-2	-1	-1	2	-1	-2	-2	-2	-40	-13	-6	-7
1950	Below Norm	-1	-16	-7	0	0	0	0	0	6	15	-6	3	0
1951	Above Norm	10	-9	0	0	0	0	0	0	1	-1	10	19	3
1952	Wet	-2	-1	0	-31	0	0	0	0	0	0	0	0	-3
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norm	0	0	0	0	0	0	0	0	0	1	-1	-8	-1
1955	Dry	1	0	0	0	3	0	0	0	2	0	-57	29	-2
1956	Wet	13	1	24	0	0	0	0	0	0	0	0	0	3
1957	Above Norm	0	0	0	0	0	0	1	0	4	24	-14	38	4
1958	Wet	-1	-1	-1	-52	0	0	0	0	0	0	2	0	-4
1959	Below Norm	0	0	0	0	0	0	-1	0	-13	3	22	0	1
1960	Dry	2	0	15	-1	0	0	0	-1	-17	-7	1	4	0
1961	Dry	14	0	-1	-1	-1	-1	-1	-1	1	13	91	19	11
1962	Below Norm	-14	6	-3	-3	-2	-2	-5	-6	-134	-2	-60	30	-16
1963	Wet	-2	-2	-1	-1	-130	0	0	0	-6	-35	-25	0	-17
1964	Dry	0	1	1	1	1	1	24	-1	14	-11	37	8	6
1965	Wet	6	0	1	0	0	0	0	8	8	-17	-3	0	0
1966	Below Norm	4	0	0	0	0	0	0	0	-1	4	-34	28	0
1967	Wet	0	0	0	3	0	0	0	0	0	0	0	0	0
1968	Below Norm	0	0	0	0	0	0	1	0	3	-26	35	0	1
1969	Wet	8	0	0	-26	0	0	0	0	0	0	0	0	-2
1970	Wet	0	0	0	0	0	0	3	0	7	0	0	2	1
1971	Wet	-1	0	0	0	1	-17	0	0	0	0	0	0	-1
1972	Below Norm	0	0	0	0	-1	0	0	0	3	-1	42	0	4
1973	Above Norm	0	0	0	-48	0	0	0	0	1	1	2	0	-4
1974	Wet	0	-5	0	0	-4	0	0	0	0	2	0	-2	-1
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	2	2	50	-14	15	5
1977	Critical	-1	-2	9	-1	37	-2	-8	-4	-11	-11	-9	-9	-1
1978	Above Norm	6	-9	-5	-2	-2	-1	-118	-1	-24	22	16	-1	-10
1979	Below Norm	-3	-1	-2	-78	-29	0	0	0	5	5	-10	-2	-10
1980	Above Norm	3	0	0	-1	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	5	-34	-24	68	1
1982	Wet	0	0	-7	0	0	0	0	0	0	-2	0	0	-1
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	-10	-1
1985	Dry	50	-1	0	0	0	-8	3	-3	-55	5	2	-1	-1
1986	Wet	1	0	0	0	1	0	0	0	0	20	0	0	2
1987	Dry	0	-8	-5	-9	0	0	60	-30	22	53	-11	8	7
1988	Critical	-9	-4	-2	-1	-1	-2	-3	-2	-5	-46	-22	-2	-8
1989	Dry	0	-1	-1	-1	0	-63	0	0	-13	8	-22	37	-5
1990	Critical	-1	0	6	0	0	0	-1	-1	-1	0	-1	-1	0
1991	Critical	-2	1	-1	0	0	0	0	-1	-1	-1	-1	-1	-1
1992	Critical	-1	0	0	0	0	0	-1	-1	-1	-2	2	-2	0
1993	Above Norm	-7	-6	0	0	0	-12	0	0	0	27	27	-1	2
1994	Critical	4	-2	0	-5	-55	0	0	0	-34	2	17	24	-4
1995	Wet	-9	7	0	0	-9	0	0	0	0	0	0	0	-1
1996	Wet	0	0	0	0	0	0	0	0	6	2	0	0	1
1997	Wet	4	-14	0	0	0	0	0	0	12	11	0	2	1
1998	Wet	18	0	-1	-49	0	0	0	0	0	0	0	0	-3
1999	Wet	0	0	0	0	0	0	0	0	0	2	0	0	0
2000	Above Norm	0	-2	0	0	0	0	0	0	1	6	0	12	1
2001	Dry	-1	-1	-8	0	0	0	0	0	1	1	-32	40	0
2002	Dry	-2	0	0	0	-1	0	-1	0	7	-8	-30	61	2
2003	Above Norm	-4	-2	-1	-1	12	-60	0	-31	32	-2	-2	-22	-7
Average		1	-1	1	-4	-2	-2	-1	-1	-2	1	-1	5	-1
Wet		1	-1	1	-6	-6	-1	0	0	1	0	-1	0	-1
Above Norm		1	-2	-1	-4	1	-6	-10	-2	1	6	3	5	-1
Below Norm		1	1	-3	-5	2	-1	-3	-1	-8	-2	-2	4	-1
Dry		2	-2	0	-1	0	-5	5	-3	0	3	-2	18	1
Critical		2	-1	5	-1	-4	-1	-2	-2	-11	-2	-4	-3	-2

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy generated (GWh) at Oroville Dam: CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	-2%	0%	0%
1923	Below Norma	2%	39%	-11%	0%	117%	-8%	-29%	-8%	12%	-1%	-10%	28%
1924	Critical	14%	-2%	25%	-3%	-24%	-1%	-1%	-10%	-21%	11%	-1%	-39%
1925	Dry	-42%	2%	3%	2%	2%	1%	1%	1%	1%	1%	1%	50%
1926	Dry	0%	0%	0%	0%	0%	1%	1%	1%	1%	2%	0%	-4%
1927	Wet	-5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	3%
1928	Above Norma	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%	-1%	13%
1929	Critical	2%	-1%	-1%	-1%	-1%	-1%	-1%	0%	-1%	-13%	-5%	1%
1930	Dry	0%	0%	0%	0%	0%	0%	0%	0%	5%	36%	-13%	-5%
1931	Critical	19%	-2%	38%	-4%	-45%	-3%	-2%	-3%	-19%	-7%	-2%	-2%
1932	Dry	-3%	-18%	-2%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-2%	-1%
1933	Critical	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-12%
1934	Critical	-4%	-8%	0%	0%	0%	0%	0%	0%	0%	0%	-2%	-12%
1935	Below Norma	1%	1%	1%	1%	1%	1%	1%	-1%	1%	4%	-2%	-7%
1936	Below Norma	1%	1%	2%	1%	1%	1%	0%	2%	0%	2%	3%	16%
1937	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	-3%	-3%	-3%	0%
1938	Wet	1%	1%	11%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	0%	0%	1%	-7%	-4%	3%	11%	-10%
1940	Above Norma	2%	1%	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	0%	0%	0%	0%	0%	3%	3%	0%	0%
1942	Wet	-7%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	1%	0%	1%	2%	0%
1944	Dry	2%	0%	5%	0%	-4%	-15%	-1%	0%	-1%	-7%	1%	23%
1945	Below Norma	-1%	-1%	-1%	3%	-1%	0%	0%	0%	1%	-2%	-3%	-19%
1946	Below Norma	2%	1%	0%	26%	3%	0%	0%	0%	2%	2%	7%	-3%
1947	Dry	-2%	-33%	0%	-18%	0%	0%	0%	1%	23%	7%	3%	1%
1948	Below Norma	25%	-14%	-6%	-6%	-6%	-5%	-4%	-2%	-2%	-7%	0%	-14%
1949	Dry	-13%	-2%	-3%	-2%	2%	-3%	-2%	-2%	-1%	-14%	-11%	-5%
1950	Below Norma	-1%	-24%	-23%	1%	1%	1%	0%	0%	3%	5%	-4%	4%
1951	Above Norma	13%	-3%	0%	0%	0%	0%	0%	0%	0%	0%	3%	11%
1952	Wet	-2%	-1%	-1%	-19%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	-5%
1955	Dry	0%	0%	0%	0%	5%	0%	0%	0%	1%	0%	-35%	41%
1956	Wet	19%	1%	12%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norma	0%	0%	0%	0%	0%	0%	1%	0%	1%	9%	-5%	49%
1958	Wet	-1%	-1%	-1%	-50%	0%	0%	0%	0%	0%	0%	1%	0%
1959	Below Norma	0%	0%	0%	0%	0%	0%	-1%	0%	-4%	1%	9%	0%
1960	Dry	2%	-1%	11%	-2%	-1%	-1%	0%	-1%	-7%	-3%	0%	2%
1961	Dry	15%	-2%	-2%	-2%	-2%	-2%	-1%	-1%	1%	5%	72%	14%
1962	Below Norma	-11%	14%	-13%	-13%	-11%	-9%	-6%	-5%	-34%	0%	-22%	19%
1963	Wet	-7%	-5%	-4%	-3%	-27%	0%	0%	-2%	0%	-9%	-10%	0%
1964	Dry	0%	2%	2%	2%	1%	2%	10%	-1%	5%	-3%	15%	6%
1965	Wet	7%	0%	1%	0%	0%	0%	0%	3%	6%	-6%	-3%	0%
1966	Below Norma	3%	0%	0%	0%	0%	0%	0%	0%	0%	1%	-12%	22%
1967	Wet	0%	0%	0%	3%	0%	0%	0%	0%	0%	0%	0%	0%
1968	Below Norma	0%	0%	0%	0%	0%	0%	1%	0%	1%	-7%	16%	0%
1969	Wet	7%	-1%	-1%	-6%	0%	0%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	0%	1%	0%	3%	0%	0%	1%
1971	Wet	-1%	-1%	0%	0%	1%	-5%	0%	0%	0%	0%	0%	0%
1972	Below Norma	0%	0%	0%	0%	-1%	0%	0%	0%	1%	0%	22%	0%
1973	Above Norma	-1%	-1%	-1%	-15%	0%	0%	0%	0%	0%	0%	1%	0%
1974	Wet	0%	-2%	0%	0%	-2%	0%	0%	0%	0%	1%	0%	-1%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	0%	2%	1%	34%	-9%	12%
1977	Critical	-1%	-2%	6%	-5%	132%	-8%	-11%	-8%	-10%	-11%	-12%	-22%
1978	Above Norma	14%	-57%	-32%	-13%	-9%	-5%	-63%	-1%	-15%	10%	13%	-2%
1979	Below Norma	-2%	-2%	-2%	-65%	-8%	0%	0%	0%	1%	2%	-7%	-1%
1980	Above Norma	4%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	0%	0%	0%	0%	2%	-11%	-12%	45%
1982	Wet	0%	0%	-1%	0%	0%	0%	0%	0%	0%	-2%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-6%
1985	Dry	78%	-1%	-1%	-1%	-1%	-14%	2%	-1%	-15%	1%	1%	-1%
1986	Wet	1%	1%	1%	1%	0%	0%	0%	0%	0%	11%	0%	0%
1987	Dry	0%	-13%	-8%	-12%	0%	0%	49%	-17%	11%	27%	-5%	7%
1988	Critical	-7%	-7%	-6%	-5%	-5%	-4%	-4%	-4%	-4%	-27%	-16%	-3%
1989	Dry	0%	-3%	-3%	-3%	-3%	-42%	0%	0%	-4%	2%	-8%	56%
1990	Critical	-1%	-1%	5%	-1%	-1%	-1%	-1%	-1%	-1%	0%	-1%	-1%
1991	Critical	-3%	4%	-1%	-2%	-2%	-2%	-1%	-1%	-1%	-1%	-1%	-1%
1992	Critical	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-2%	-2%
1993	Above Norma	-10%	-12%	-1%	0%	0%	-5%	0%	0%	0%	9%	14%	-1%
1994	Critical	3%	-2%	-1%	-12%	-32%	0%	0%	0%	-16%	0%	7%	25%
1995	Wet	-8%	13%	0%	0%	-4%	0%	0%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	0%	0%	0%	0%	0%	0%	3%	1%	0%	0%
1997	Wet	4%	-10%	0%	0%	0%	0%	0%	0%	6%	5%	0%	2%
1998	Wet	15%	-1%	-1%	-9%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%
2000	Above Norma	0%	-1%	0%	0%	0%	0%	0%	0%	0%	1%	0%	7%
2001	Dry	-1%	-1%	-5%	0%	0%	0%	0%	0%	1%	1%	-19%	53%
2002	Dry	-1%	-1%	-1%	-1%	-1%	-1%	-1%	0%	5%	-3%	-14%	57%
2003	Above Norma	-3%	-3%	-3%	-2%	19%	-54%	-1%	-1%	8%	-1%	-1%	-9%
Average		1%	-2%	0%	-3%	1%	-2%	-1%	-1%	-1%	1%	-1%	5%
Wet		1%	0%	1%	-3%	-1%	0%	0%	0%	1%	0%	0%	0%
Above Norma		2%	-6%	-3%	-3%	1%	-5%	-5%	-1%	0%	2%	2%	5%
Below Norma		1%	1%	-4%	-4%	7%	-1%	-3%	-1%	-2%	0%	0%	3%
Dry		2%	-4%	0%	-2%	0%	-4%	3%	-2%	1%	2%	-1%	18%
Critical		2%	-2%	5%	-3%	2%	-2%	-2%	-2%	-6%	-1%	-3%	-5%

Energy generated (GWh) at SWP San Luis: CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	13.31	11.07	0.00	0.00	0.00	0.00	11.79	20.98	19.52	57.41	45.16	1.04	180
1923	Below Normal	0.37	0.00	0.00	0.00	2.60	21.44	15.42	47.15	48.80	13.21	6.42	0.00	155
1924	Critical	0.00	6.92	0.00	0.00	18.93	9.27	7.60	8.30	0.00	7.08	0.00	0.00	58
1925	Dry	0.00	0.00	0.00	0.00	0.00	1.97	0.00	0.00	59.03	61.18	25.79	0.00	148
1926	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	62.24	45.06	59.26	19.43	7.43	193
1927	Wet	0.00	0.00	0.00	0.00	0.00	0.00	20.75	48.24	45.38	36.46	32.93	0.00	184
1928	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	20.56	46.17	47.56	46.21	1.45	0.00	162
1929	Critical	5.02	0.00	0.00	0.00	0.00	0.00	14.12	41.04	40.23	35.66	0.00	3.58	140
1930	Dry	0.00	0.00	0.00	0.00	0.00	0.00	17.17	44.22	52.26	58.68	14.22	1.53	188
1931	Critical	1.86	0.00	0.00	0.00	7.96	0.00	26.26	27.58	0.58	6.87	0.00	5.13	76
1932	Dry	0.10	0.00	0.00	0.00	0.00	0.00	31.13	10.04	63.71	49.58	28.22	0.10	183
1933	Critical	0.00	0.00	0.00	0.00	0.00	0.00	12.43	28.14	56.78	62.71	34.27	8.07	202
1934	Critical	0.00	0.00	0.00	0.00	0.00	0.00	32.71	50.72	54.83	53.84	7.70	2.86	203
1935	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	111.69	37.63	39.77	15.89	3.09	208
1936	Below Normal	3.47	8.65	0.00	0.00	0.00	0.00	11.08	51.47	87.08	23.80	20.69	6.27	213
1937	Below Normal	4.02	18.60	0.00	0.00	0.00	0.00	0.00	50.17	52.67	56.25	27.43	5.52	215
1938	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.97	39.47	48.60	0.00	94
1939	Dry	0.00	0.00	0.00	0.12	8.18	1.25	71.71	48.54	46.54	18.85	5.35	0.00	201
1940	Above Normal	0.00	10.94	0.67	0.00	0.00	0.00	15.64	48.37	63.80	25.09	16.53	4.08	185
1941	Wet	0.00	0.00	0.00	0.00	0.00	0.00	4.42	3.76	70.72	58.17	31.94	0.00	169
1942	Wet	0.00	0.00	0.00	0.00	0.00	0.00	4.42	10.40	12.99	79.84	21.91	0.00	130
1943	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.13	64.35	36.85	32.53	0.00	188
1944	Dry	0.00	0.00	0.00	0.00	0.00	7.39	50.87	58.24	37.70	6.43	4.82	0.00	165
1945	Below Normal	2.02	0.00	0.00	0.00	0.00	37.53	43.02	48.58	35.02	15.31	12.01	0.00	193
1946	Below Normal	0.00	0.00	0.00	0.00	49.63	0.00	43.53	43.65	35.05	1.69	2.02	0.00	176
1947	Dry	0.00	0.00	0.00	0.00	0.00	0.00	54.06	78.58	62.16	7.29	6.09	0.00	208
1948	Below Normal	0.00	0.00	16.66	0.00	10.95	0.00	0.00	38.44	42.30	7.17	14.50	0.00	130
1949	Dry	0.00	8.92	0.00	0.00	0.00	0.00	11.18	43.58	54.41	0.00	21.99	0.00	140
1950	Below Normal	5.89	0.00	0.00	0.00	0.00	0.00	21.81	55.75	43.05	40.20	28.92	0.00	196
1951	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	57.33	46.12	51.42	27.94	8.58	0.00	191
1952	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.79	14.80	17.69	0.00	37
1953	Wet	0.00	0.00	0.00	0.08	19.63	0.00	33.99	28.74	32.24	18.35	56.94	0.00	190
1954	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	29.78	48.68	64.32	22.66	12.12	0.38	178
1955	Dry	0.00	0.00	0.00	0.00	7.97	1.57	9.26	16.63	49.45	41.23	3.54	0.00	130
1956	Wet	0.00	0.00	0.00	0.00	0.00	0.00	19.97	20.27	12.47	78.58	35.62	0.00	167
1957	Above Normal	0.00	14.17	0.00	0.00	0.00	0.00	82.75	27.94	19.20	24.45	0.00	0.00	169
1958	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.74	7.47	33.42	18.51	0.00	62
1959	Below Normal	0.00	0.00	0.00	0.09	0.00	53.48	43.73	47.87	33.25	14.38	0.00	4.95	198
1960	Dry	0.00	6.92	0.00	0.00	0.00	0.00	55.43	41.95	35.31	35.11	5.37	0.00	180
1961	Dry	3.31	0.00	0.00	0.00	0.00	0.00	43.21	63.14	65.68	29.14	5.80	0.29	211
1962	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	51.41	88.96	34.73	9.32	8.19	0.00	193
1963	Wet	0.00	0.00	0.00	0.00	0.00	0.00	20.07	35.98	49.19	27.67	25.67	0.00	159
1964	Dry	0.00	0.00	0.00	0.00	39.35	38.99	26.33	31.12	19.04	0.00	0.00	0.00	155
1965	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.67	59.20	39.15	36.27	0.00	188
1966	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	48.01	56.67	46.03	24.13	8.53	4.37	188
1967	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.25	19.11	22.19	0.00	51
1968	Below Normal	0.00	0.00	0.00	0.13	0.00	0.00	71.98	50.78	34.49	17.88	0.00	13.12	188
1969	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.09	45.38	36.84	0.00	87
1970	Wet	0.00	0.00	0.00	0.09	0.00	0.00	34.74	57.40	50.98	19.86	18.98	1.69	184
1971	Wet	0.00	0.00	0.00	0.00	61.23	0.00	34.34	29.32	26.36	14.86	8.28	0.00	174
1972	Below Normal	0.00	3.39	0.00	0.00	0.00	0.00	15.92	26.12	28.88	26.99	1.59	0.00	103
1973	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	45.46	43.08	42.01	29.61	4.95	3.71	169
1974	Wet	0.00	0.00	0.00	0.00	0.00	0.00	12.48	40.13	41.66	49.40	13.04	0.00	157
1975	Wet	0.00	0.00	0.00	0.00	0.00	0.00	16.40	31.31	13.79	65.88	10.31	0.00	138
1976	Critical	0.00	0.00	0.00	0.00	9.88	0.00	53.38	48.07	26.30	45.56	3.36	0.00	187
1977	Critical	0.00	0.00	0.00	0.00	5.81	1.63	6.71	7.06	6.58	9.88	0.00	0.00	38
1978	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.60	74.72	43.60	0.00	173
1979	Below Normal	4.30	0.00	13.58	0.00	0.00	0.00	40.49	29.28	35.34	29.46	38.94	0.41	192
1980	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.56	43.34	42.83	16.70	0.00	121
1981	Dry	0.00	8.85	0.00	0.00	0.00	0.00	42.24	53.93	48.89	19.73	21.65	0.00	195
1982	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.55	13.25	59.74	16.51	0.00	90
1983	Wet	0.00	0.00	0.00	0.13	0.00	0.00	0.00	0.00	0.00	0.00	17.87	0.00	18
1984	Wet	0.00	0.00	0.00	0.12	0.00	0.00	57.98	52.76	45.54	24.39	11.92	0.00	193
1985	Dry	0.00	0.00	0.00	0.00	0.00	34.82	50.36	42.41	30.67	0.00	0.00	0.00	158
1986	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.18	84.40	34.54	0.00	171
1987	Dry	0.00	0.00	0.00	0.00	0.00	0.00	68.44	46.35	40.20	29.96	3.35	0.00	188
1988	Critical	2.29	8.76	0.00	0.00	9.34	5.54	8.07	28.57	27.92	20.39	0.00	3.35	114
1989	Dry	0.57	0.00	0.00	0.00	0.00	0.00	51.42	69.27	49.39	19.58	7.63	1.50	199
1990	Critical	0.00	8.47	5.25	0.00	0.00	0.00	28.32	19.94	33.65	26.54	0.00	0.00	122
1991	Critical	0.00	0.00	0.00	0.00	0.00	0.00	15.62	17.27	41.18	27.27	10.37	6.72	118
1992	Critical	0.00	2.36	0.00	0.00	0.00	0.00	14.08	50.86	54.12	47.99	19.39	3.75	193
1993	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	28.87	38.94	16.34	48.16	54.07	0.00	186
1994	Critical	0.00	11.22	0.00	0.00	0.00	6.54	24.63	29.05	27.86	0.00	0.00	0.00	99
1995	Wet	1.59	0.00	0.00	0.00	0.00	0.00	0.00	5.72	18.12	16.20	23.14	0.00	65
1996	Wet	0.00	0.86	0.00	0.11	0.00	0.00	0.00	7.70	72.74	55.22	34.57	0.00	171
1997	Wet	13.94	0.00	0.00	0.00	0.00	0.00	16.67	27.57	57.94	43.74	34.99	0.00	195
1998	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.70	13.67	11.56	19.03	0.00	45
1999	Wet	0.00	0.00	0.00	0.12	0.00	0.00	6.41	40.47	44.20	47.38	33.85	0.00	172
2000	Above Normal	4.20	0.00	0.00	0.00	0.00	0.00	44.06	52.60	52.20	17.68	12.33	0.00	183
2001	Dry	0.00	0.00	0.00	0.00	0.00	0.00	5.75	56.65	63.99	56.45	9.48	0.00	192
2002	Dry	5.71	0.00	0.00	0.00	49.43	0.00	35.76	42.41	51.51	15.04	5.54	0.00	205
2003	Above Normal	7.14	9.68	0.00	0.00	53.78	0.00	21.38	29.52	27.66	0.00	0.00	0.00	149
Average		1	2	0	0	4	3	23	35	39	32	17	1	157
Wet		1	0	0	0	3	0	11	21	32	39	27	0	134
Above Normal		2	4	0	0	4	0	30	35	42	35	18	1	171
Below Normal		1	2	2	0	5	8	29	53	42	23	13	3	182
Dry		1	1	0	0	6	5	35	45	49	28	10	1	180
Critical		1	3	0	0	4	2	20	30	31	29	6	3	12

Energy generated (GWh) at SWP San Luis: CP3_2020

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	13.31	11.07	0.00	0.00	0.00	0.00	10.93	20.24	18.94	58.50	45.04	0.67	179
1923	Below Normal	0.00	0.00	0.00	0.00	0.00	20.48	15.54	50.92	52.88	11.51	12.98	0.00	164
1924	Critical	0.00	6.77	0.00	0.00	1.96	12.83	11.56	15.37	9.00	1.10	0.00	0.00	59
1925	Dry	0.00	0.00	0.00	0.00	0.00	2.90	0.00	0.00	59.37	62.50	27.13	0.00	152
1926	Dry	0.00	0.00	0.00	0.00	0.00	15.76	0.00	60.66	41.76	55.53	17.66	7.93	199
1927	Wet	0.00	0.00	0.00	0.00	0.00	0.00	20.48	48.20	44.80	35.90	32.66	0.00	182
1928	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	15.17	44.76	45.22	41.38	0.00	0.00	147
1929	Critical	0.00	0.00	0.00	0.00	0.00	0.00	14.31	40.27	39.24	43.48	0.00	3.33	141
1930	Dry	0.00	0.00	0.00	0.00	0.00	0.00	28.61	53.61	45.81	38.64	21.79	3.90	192
1931	Critical	0.00	0.00	0.00	0.00	0.00	0.00	26.92	29.72	10.41	6.77	0.00	4.37	78
1932	Dry	0.00	0.00	0.00	0.00	0.00	0.00	31.09	9.71	63.09	48.26	26.40	0.00	179
1933	Critical	0.00	0.00	0.00	0.00	0.00	0.00	12.71	28.02	56.62	61.90	33.14	9.99	202
1934	Critical	0.00	0.00	0.00	0.00	0.00	0.00	32.49	50.43	54.55	53.98	8.75	7.33	208
1935	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	111.99	37.35	37.05	16.70	5.73	209
1936	Below Normal	3.53	9.10	0.00	0.00	0.00	0.00	12.99	51.04	88.19	23.05	24.81	1.31	214
1937	Below Normal	5.60	18.35	0.00	0.00	0.00	0.00	0.00	45.98	54.29	58.10	29.52	4.39	216
1938	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.85	39.35	48.52	0.00	94
1939	Dry	0.00	0.00	0.00	0.12	8.44	11.19	71.05	47.29	36.68	25.09	4.56	0.00	204
1940	Above Normal	0.00	10.24	1.22	0.00	0.00	0.00	15.58	47.63	62.63	24.07	16.37	4.15	182
1941	Wet	0.00	0.00	0.00	0.00	0.00	0.00	4.03	3.28	67.33	55.22	47.16	0.00	177
1942	Wet	0.00	0.00	0.00	0.00	0.00	0.00	4.38	10.36	12.95	78.68	20.92	0.00	122
1943	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.12	65.14	36.35	32.16	0.00	188
1944	Dry	0.00	0.00	0.00	0.00	0.00	9.53	46.50	52.34	36.22	3.47	2.46	0.00	151
1945	Below Normal	0.04	0.00	0.00	0.00	0.00	31.71	43.07	49.17	35.64	16.81	13.79	0.00	190
1946	Below Normal	0.00	0.00	0.00	0.00	50.07	0.00	43.69	43.84	35.32	1.28	0.72	0.00	175
1947	Dry	0.00	0.00	0.00	0.00	0.00	0.00	59.01	82.24	58.17	3.44	4.80	0.00	208
1948	Below Normal	0.00	0.00	19.62	0.00	11.59	0.00	0.00	39.92	31.76	18.75	13.19	0.00	135
1949	Dry	1.98	7.52	0.00	0.00	0.00	0.00	8.59	40.83	51.67	2.53	21.47	0.00	135
1950	Below Normal	5.43	0.00	0.00	0.00	0.00	0.00	25.13	57.48	44.92	35.15	28.99	0.00	197
1951	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	57.40	46.40	53.22	30.95	9.04	0.00	197
1952	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.79	14.80	17.69	0.00	37
1953	Wet	0.00	0.00	0.00	0.08	19.64	0.00	34.33	30.62	32.39	18.42	52.46	0.00	188
1954	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	29.73	48.59	64.78	22.13	11.66	1.37	178
1955	Dry	0.00	0.00	0.00	0.00	5.56	0.00	8.30	17.34	48.49	29.89	27.41	0.00	137
1956	Wet	0.00	0.00	0.00	0.00	0.00	0.00	19.97	20.24	12.43	78.56	36.38	0.00	168
1957	Above Normal	0.00	14.00	0.00	0.00	0.00	0.00	84.91	30.29	20.33	29.12	0.00	0.00	179
1958	Wet	0.00	0.00	0.00	0.00	0.00	0.00	2.74	7.48	33.89	18.49	0.00	0.00	63
1959	Below Normal	0.00	0.00	0.00	0.09	0.00	54.54	44.48	48.53	32.30	13.78	0.00	5.30	199
1960	Dry	0.00	0.00	0.00	0.00	0.00	0.00	75.12	55.76	46.29	21.15	5.82	0.00	204
1961	Dry	2.63	0.00	0.00	0.00	0.00	0.00	51.40	63.79	58.66	19.47	4.55	0.00	200
1962	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	41.66	88.19	57.24	9.03	7.76	0.00	204
1963	Wet	0.00	0.00	0.00	0.00	0.00	0.00	21.94	35.97	53.15	37.76	33.28	0.00	182
1964	Dry	0.00	0.00	0.00	0.00	38.09	46.60	33.45	22.96	0.00	0.00	0.00	0.00	141
1965	Wet	0.00	0.00	0.00	0.00	0.00	0.00	53.44	53.44	35.70	49.29	38.11	0.00	177
1966	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	48.47	57.13	46.13	23.66	8.78	3.44	188
1967	Wet	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.87	17.81	21.05	0.00	47
1968	Below Normal	0.00	0.00	0.00	0.13	0.00	0.00	72.71	51.52	34.48	17.41	0.87	12.97	190
1969	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.84	44.23	35.91	0.00	84
1970	Wet	0.00	0.00	0.00	0.09	0.00	0.00	34.91	57.50	48.75	28.57	17.88	1.65	189
1971	Wet	0.00	0.00	0.00	0.00	61.24	0.00	34.50	29.54	26.82	15.03	10.27	0.00	177
1972	Below Normal	0.00	2.90	0.00	0.00	0.00	0.00	23.92	26.95	25.38	17.43	0.00	0.00	97
1973	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	45.84	43.41	41.76	29.55	4.64	3.88	169
1974	Wet	0.00	0.00	0.00	0.00	0.00	0.00	12.41	40.09	41.60	49.48	12.99	0.00	157
1975	Wet	0.00	0.00	0.00	0.00	0.00	0.00	16.54	31.22	13.71	65.95	10.29	0.00	138
1976	Critical	0.00	0.00	0.00	0.00	10.09	0.29	58.09	50.73	29.21	32.26	8.25	0.00	189
1977	Critical	0.00	0.00	0.00	16.26	1.33	7.54	4.03	3.09	7.08	0.00	0.00	0.00	39
1978	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.14	57.93	65.45	39.51	0.59	174
1979	Below Normal	6.08	0.00	15.36	0.00	0.00	0.00	41.25	29.32	34.05	23.15	41.42	1.18	192
1980	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19.19	44.01	43.32	17.00	0.00	124
1981	Dry	0.00	9.02	0.00	0.00	0.00	0.00	43.37	54.70	49.08	18.93	20.69	0.00	196
1982	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.55	13.25	59.73	17.61	0.00	91
1983	Wet	0.00	0.00	0.00	0.13	0.00	0.00	0.00	0.00	0.00	0.00	17.84	0.00	18
1984	Wet	0.00	0.00	0.00	0.12	0.00	0.00	57.95	52.75	45.55	24.33	11.96	0.00	193
1985	Dry	0.00	0.00	0.00	0.00	0.00	0.00	48.31	49.01	39.15	22.63	0.00	0.00	159
1986	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.00	56.49	75.46	35.56	0.00	171
1987	Dry	0.00	0.00	0.00	0.00	0.00	0.00	36.90	56.15	31.15	17.08	5.06	0.00	146
1988	Critical	2.21	8.10	0.00	0.00	7.41	5.01	6.24	26.84	27.28	33.30	0.00	2.41	119
1989	Dry	0.00	0.00	0.00	0.00	0.00	0.00	51.70	73.02	53.83	19.48	8.41	0.00	206
1990	Critical	0.00	0.23	5.69	0.00	0.00	0.00	28.46	20.11	33.77	25.68	0.00	0.00	114
1991	Critical	0.00	0.00	0.00	0.00	0.00	0.00	17.48	19.78	43.94	28.77	16.67	7.65	134
1992	Critical	0.00	3.55	0.00	0.00	0.00	0.00	20.43	50.19	53.11	45.45	16.14	3.17	192
1993	Above Normal	0.36	0.00	0.00	0.00	0.00	0.00	28.85	52.17	26.60	36.35	45.03	0.00	189
1994	Critical	0.00	12.07	0.00	0.00	0.00	0.00	8.22	34.26	32.83	12.00	0.00	0.00	99
1995	Wet	7.93	0.00	0.00	0.00	0.00	0.00	0.00	11.18	19.17	18.09	22.98	0.00	79
1996	Wet	0.00	1.49	0.00	0.00	0.00	0.00	0.00	8.90	72.39	55.25	35.13	0.00	173
1997	Wet	13.09	0.00	0.00	0.00	0.00	0.00	19.28	30.49	56.10	42.11	36.94	0.00	198
1998	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.78	13.76	11.64	19.10	0.00	45
1999	Wet	0.00	0.00	0.00	0.12	0.00	0.00	6.66	40.80	44.53	46.91	34.11	0.00	173
2000	Above Normal	4.45	0.00	0.00	0.00	0.00	0.00	46.18	55.64	51.79	23.95	11.88	0.00	194
2001	Dry	0.00	0.00	0.00	0.00	0.00	0.00	6.42	48.31	64.58	56.76	16.31	0.00	192
2002	Dry	7.12	0.00	0.00	0.00	54.03	0.00	38.89	45.29	49.59	9.16	4.49	0.00	209
2003	Above Normal	8.28	0.00	0.00	0.00	55.75	0.00	19.65	28.88	14.79	0.00	0.00	0.00	127
Average		1	1	1	0	4	3	24	36	38	31	17	1	157
Wet		1	0	0	0	3	0	11	22	31	40	28	0	135
Above Normal		2	3	0	0	5	0	30	37	42	34	17	1	170
Below Normal		1	2	2	0	4	8	29	54	44	22	14	2	184
Dry		1	1	0	0	6	7	36	46	45	24	12	1	178
Critical		0	3	0	0	3	2	23	31	31	28			

Difference in Energy generated (GWh) at SWP San Luis: CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	-1	-1	-1	1	0	0	0
1923	Below Norma	0	0	0	0	-3	-1	0	4	4	-2	7	0	1
1924	Critical	0	0	0	0	-17	4	4	7	9	-6	0	0	0
1925	Dry	0	0	0	0	0	1	0	0	0	1	1	0	0
1926	Dry	0	0	0	0	0	16	0	-2	-3	-4	-2	0	0
1927	Wet	0	0	0	0	0	0	0	0	-1	-1	0	0	0
1928	Above Norma	0	0	0	0	0	0	-5	-1	-2	-5	-1	0	-1
1929	Critical	-5	0	0	0	0	0	0	-1	-1	8	0	0	0
1930	Dry	0	0	0	0	0	0	11	9	-6	-20	8	2	0
1931	Critical	-2	0	0	0	-8	0	1	2	10	0	0	-1	0
1932	Dry	0	0	0	0	0	0	0	0	-1	-1	-2	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	-1	-1	2	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	1	4	0
1935	Below Norma	0	0	0	0	0	0	0	0	0	-3	1	3	0
1936	Below Norma	0	0	0	0	0	0	2	0	1	-1	4	-5	0
1937	Below Norma	2	0	0	0	0	0	0	-4	2	2	2	-1	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	10	-1	-1	-10	6	-1	0	0
1940	Above Norma	0	-1	1	0	0	0	0	-1	-1	-1	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	-3	-3	15	0	1
1942	Wet	0	0	0	0	0	0	0	0	0	-1	-1	0	0
1943	Wet	0	0	0	0	0	0	0	0	1	-1	0	0	0
1944	Dry	0	0	0	0	0	2	-4	-6	-1	-3	-2	0	-1
1945	Below Norma	-2	0	0	0	0	-6	0	1	1	1	2	0	0
1946	Below Norma	0	0	0	0	0	0	0	0	0	0	-1	0	0
1947	Dry	0	0	0	0	0	0	5	4	-4	-4	-1	0	0
1948	Below Norma	0	0	3	0	1	0	0	1	-11	12	-1	0	0
1949	Dry	2	-1	0	0	0	0	-3	-3	-3	3	-1	0	0
1950	Below Norma	0	0	0	0	0	0	3	2	2	-5	0	0	0
1951	Above Norma	0	0	0	0	0	0	0	2	3	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	2	0	0	-4	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	-1	0	1	0
1955	Dry	0	0	0	0	-2	-2	-1	1	-1	-11	24	0	1
1956	Wet	0	0	0	0	0	0	0	0	0	0	1	0	0
1957	Above Norma	0	0	0	0	0	2	2	1	5	0	0	0	1
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	1	1	1	-1	-1	0	0	0
1960	Dry	0	-7	0	0	0	0	20	14	11	-14	0	0	2
1961	Dry	-1	0	0	0	0	0	8	1	-7	-10	-1	0	-1
1962	Below Norma	0	0	0	0	0	0	-10	-1	23	0	0	0	1
1963	Wet	0	0	0	0	0	0	2	0	4	10	8	0	2
1964	Dry	0	0	0	0	-1	8	7	-8	-19	0	0	0	-1
1965	Wet	0	0	0	0	0	0	0	0	-24	10	2	0	-1
1966	Below Norma	0	0	0	0	0	0	0	0	0	0	0	-1	0
1967	Wet	0	0	0	0	0	0	0	0	-1	-1	-1	0	0
1968	Below Norma	0	0	0	0	0	0	1	1	0	0	1	0	0
1969	Wet	0	0	0	0	0	0	0	0	-1	-1	-1	0	0
1970	Wet	0	0	0	0	0	0	0	0	-2	9	-1	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	2	0	0	0
1972	Below Norma	0	0	0	0	0	0	8	1	-4	-10	-2	0	-1
1973	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	5	3	3	-13	5	0	0
1977	Critical	0	0	0	0	10	0	1	-3	-3	-3	0	0	0
1978	Above Norma	0	0	0	0	0	0	0	10	3	-9	-4	1	0
1979	Below Norma	2	0	2	0	0	0	1	0	-1	-6	2	1	0
1980	Above Norma	0	0	0	0	0	0	0	1	1	0	0	0	0
1981	Dry	0	0	0	0	0	0	1	1	0	-1	-1	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	1	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	13	-1	-3	-8	0	0	0	0
1986	Wet	0	0	0	0	0	0	0	3	4	-9	1	0	0
1987	Dry	0	0	0	0	0	0	-32	10	-9	-13	2	0	-3
1988	Critical	0	-1	0	0	-2	-1	-2	-2	-1	13	0	-1	0
1989	Dry	-1	0	0	0	0	0	0	4	4	0	1	-2	1
1990	Critical	0	-8	0	0	0	0	0	0	0	-1	0	0	-1
1991	Critical	0	0	0	0	0	0	2	3	3	2	6	1	1
1992	Critical	0	1	0	0	0	0	6	-1	-1	-3	-3	-1	0
1993	Above Norma	0	0	0	0	0	0	0	13	10	-12	-9	0	0
1994	Critical	0	1	0	0	0	2	10	4	-16	0	0	0	0
1995	Wet	6	0	0	0	0	0	0	5	1	2	0	0	1
1996	Wet	0	1	0	0	0	0	0	1	0	0	1	0	0
1997	Wet	-1	0	0	0	0	0	3	3	-2	-2	2	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	2	3	0	6	0	0	1
2001	Dry	0	0	0	0	0	0	1	-8	1	0	7	0	0
2002	Dry	1	0	0	0	5	0	3	3	-2	-6	-1	0	0
2003	Above Norma	1	-10	0	0	2	0	-2	-1	-13	0	0	0	-2
Average		0	0	0	0	0	1	1	1	-1	-1	1	0	0
Wet		0	0	0	0	0	0	0	1	-1	0	1	0	0
Above Norma		0	-1	0	0	0	0	2	0	-1	-1	-1	0	0
Below Norma		0	0	0	0	0	0	0	0	1	-1	1	0	0
Dry		0	0	0	0	0	3	1	1	-3	-4	2	0	0
Critical		-1	-1	0	0	-1	0	2	1	0	0	1	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy generated (GWh) at SWP San Luis: CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	-	-	-	-	-7%	-4%	-3%	2%	0%	-36%
1923	Below Norma	-100%	-	-	-	-100%	-4%	1%	8%	8%	-13%	102%	-
1924	Critical	-	-2%	-	-	-90%	38%	52%	85%	-	-84%	-	-
1925	Dry	-	-	-	-	-	47%	-	-	1%	2%	5%	-
1926	Dry	-	-	-	-	-	-	-	-3%	-7%	-6%	-9%	7%
1927	Wet	-	-	-	-	-	-	-1%	0%	-1%	-2%	-1%	-
1928	Above Norma	-	-	-	-	-	-	-26%	-3%	-5%	-10%	-100%	-
1929	Critical	-100%	-	-	-	-	-	1%	-2%	-2%	22%	-	-7%
1930	Dry	-	-	-	-	-	-	67%	21%	-12%	-34%	53%	155%
1931	Critical	-100%	-	-	-	-100%	-	3%	8%	1685%	-2%	-	-15%
1932	Dry	-100%	-	-	-	-	-	0%	-3%	-1%	-3%	-6%	-100%
1933	Critical	-	-	-	-	-	-	2%	0%	0%	-1%	-3%	24%
1934	Critical	-	-	-	-	-	-	-1%	-1%	-1%	0%	14%	156%
1935	Below Norma	-	-	-	-	-	-	-	0%	-1%	-7%	5%	85%
1936	Below Norma	2%	5%	-	-	-	-	17%	-1%	1%	-3%	20%	-79%
1937	Below Norma	39%	-1%	-	-	-	-	-	-8%	3%	3%	8%	-20%
1938	Wet	-	-	-	-	-	-	-	-	-2%	0%	0%	-
1939	Dry	-	-	-	0%	3%	796%	-1%	-3%	-21%	33%	-15%	-
1940	Above Norma	-	-6%	81%	-	-	-	0%	-2%	-2%	-4%	-1%	2%
1941	Wet	-	-	-	-	-	-	-9%	-13%	-5%	-5%	48%	-
1942	Wet	-	-	-	-	-	-	-1%	0%	0%	-1%	-5%	-
1943	Wet	-	-	-	-	-	-	-	0%	1%	-1%	-1%	-
1944	Dry	-	-	-	-	-	-	-9%	-10%	-4%	-4%	-49%	-
1945	Below Norma	-98%	-	-	-	-	-15%	0%	1%	2%	10%	15%	-
1946	Below Norma	-	-	-	-	1%	-	0%	0%	1%	-24%	-65%	-
1947	Dry	-	-	-	-	-	-	9%	5%	-6%	-53%	-21%	-
1948	Below Norma	-	-	18%	-	6%	-	-	4%	-25%	162%	-9%	-
1949	Dry	-	-16%	-	-	-	-	-23%	-6%	-5%	-	-2%	-
1950	Below Norma	-8%	-	-	-	-	-	15%	3%	4%	-13%	0%	-
1951	Above Norma	-	-	-	-	-	-	0%	1%	3%	11%	5%	-
1952	Wet	-	-	-	-	-	-	-	-	0%	0%	0%	-
1953	Wet	-	-	-	0%	0%	-	1%	7%	0%	0%	-8%	-
1954	Above Norma	-	-	-	-	-	-	0%	0%	1%	-2%	-4%	263%
1955	Dry	-	-	-	-	-30%	-100%	-10%	4%	-2%	-28%	675%	-
1956	Wet	-	-	-	-	-	-	0%	0%	0%	0%	2%	-
1957	Above Norma	-	-1%	-	-	-	-	3%	8%	6%	19%	-	-
1958	Wet	-	-	-	-	-	-	-	0%	0%	1%	0%	-
1959	Below Norma	-	-	-	0%	-	2%	2%	1%	-3%	-4%	-	7%
1960	Dry	-	-100%	-	-	-	-	36%	33%	31%	-40%	8%	-
1961	Dry	-20%	-	-	-	-	-	19%	1%	-11%	-33%	-22%	-100%
1962	Below Norma	-	-	-	-	-	-	-19%	-1%	65%	-3%	-5%	-
1963	Wet	-	-	-	-	-	-	9%	0%	8%	36%	30%	-
1964	Dry	-	-	-	-	-3%	20%	27%	-26%	-100%	-	-	-
1965	Wet	-	-	-	-	-	-	-	0%	-40%	26%	5%	-
1966	Below Norma	-	-	-	-	-	-	1%	1%	0%	-2%	3%	-21%
1967	Wet	-	-	-	-	-	-	-	-	-15%	-7%	-5%	-
1968	Below Norma	-	-	-	0%	-	-	1%	1%	0%	-3%	-	-1%
1969	Wet	-	-	-	-	-	-	-	-	-25%	-3%	-3%	-
1970	Wet	-	-	-	0%	-	-	0%	0%	-4%	44%	-6%	-3%
1971	Wet	-	-	-	-	0%	-	0%	1%	2%	1%	24%	-
1972	Below Norma	-	-14%	-	-	-	-	50%	3%	-12%	-35%	-100%	-
1973	Above Norma	-	-	-	-	-	-	1%	1%	-1%	0%	-6%	4%
1974	Wet	-	-	-	-	-	-	-1%	0%	0%	0%	0%	-
1975	Wet	-	-	-	-	-	-	1%	0%	-1%	0%	0%	-
1976	Critical	-	-	-	-	2%	-	9%	6%	11%	-29%	146%	-
1977	Critical	-	-	-	-	180%	-18%	12%	-43%	-53%	-28%	-	-
1978	Above Norma	-	-	-	-	-	-	-	-	6%	-12%	-9%	-
1979	Below Norma	41%	-	13%	-	-	-	2%	0%	-4%	-21%	6%	187%
1980	Above Norma	-	-	-	-	-	-	-	3%	2%	1%	2%	-
1981	Dry	-	2%	-	-	-	-	3%	1%	0%	-4%	-4%	-
1982	Wet	-	-	-	-	-	-	-	0%	0%	0%	7%	-
1983	Wet	-	-	-	0%	-	-	-	-	-	-	0%	-
1984	Wet	-	-	-	0%	-	-	0%	0%	0%	0%	0%	-
1985	Dry	-	-	-	-	-	39%	-3%	-8%	-26%	-	-	-
1986	Wet	-	-	-	-	-	-	-	-	8%	-11%	3%	-
1987	Dry	-	-	-	-	-	-	-46%	21%	-23%	-43%	51%	-
1988	Critical	-3%	-7%	-	-	-21%	-10%	-23%	-6%	-2%	63%	-	-28%
1989	Dry	-100%	-	-	-	-	-	1%	5%	9%	-1%	10%	-100%
1990	Critical	-	-97%	8%	-	-	-	0%	1%	0%	-3%	-	-
1991	Critical	-	-	-	-	-	-	12%	15%	7%	6%	61%	14%
1992	Critical	-	51%	-	-	-	-	45%	-1%	-2%	-5%	-17%	-16%
1993	Above Norma	-	-	-	-	-	-	0%	34%	63%	-25%	-17%	-
1994	Critical	-	8%	-	-	-	26%	39%	13%	-57%	-	-	-
1995	Wet	398%	-	-	-	-	-	-	96%	6%	12%	-1%	-
1996	Wet	-	74%	-	-100%	-	-	-	16%	0%	0%	2%	-
1997	Wet	-6%	-	-	-	-	-	16%	11%	-3%	-4%	6%	-
1998	Wet	-	-	-	-	-	-	-	12%	1%	1%	0%	-
1999	Wet	-	-	0%	0%	-	-	4%	1%	1%	-1%	1%	-
2000	Above Norma	6%	-	-	-	-	-	5%	6%	-1%	35%	-4%	-
2001	Dry	-	-	-	-	-	-	12%	-15%	1%	1%	72%	-
2002	Dry	25%	-	-	-	9%	-	9%	7%	-4%	-39%	-19%	-
2003	Above Norma	16%	-100%	-	-	4%	-	-8%	-2%	-47%	-	-	-
Average		-6%	-13%	24%	-11%	-9%	65%	5%	4%	17%	-3%	13%	16%
Wet		15%	3%	0%	-4%	0%	0%	1%	5%	-3%	3%	4%	0%
Above Norma		2%	-9%	7%	0%	0%	0%	0%	4%	2%	1%	-11%	19%
Below Norma		-9%	-1%	2%	0%	-7%	-1%	5%	1%	3%	3%	-1%	11%
Dry		-11%	-6%	0%	0%	-1%	46%	5%	1%	-10%	-16%	40%	-8%
Critical		-17%	-4%	1%	0%	-2%	3%	13%	6%	132%	-5%	17%	11%

Energy generated (GWh) at Syst. Tot.: CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	460.27	390.87	311.79	66.34	307.36	487.27	414.64	1,009.26	662.70	615.23	467.88	385.36	5,569
1923	Below Normal	433.87	352.01	609.69	440.75	321.79	458.75	443.37	527.24	555.72	755.34	621.79	391.53	5,912
1924	Critical	363.16	316.90	333.95	205.97	220.97	172.96	198.08	229.75	295.79	248.30	210.34	179.43	2,976
1925	Dry	69.90	39.64	37.83	160.50	234.31	124.74	213.49	269.33	409.95	396.68	295.87	239.57	2,492
1926	Dry	174.67	106.62	106.57	53.67	265.35	150.58	283.57	590.12	624.44	580.49	553.40	417.43	3,907
1927	Wet	383.24	257.48	353.29	152.84	656.80	579.56	558.12	592.88	506.28	736.30	601.45	487.35	5,866
1928	Above Normal	423.69	315.51	335.07	274.47	420.94	964.96	364.73	604.99	577.65	560.10	486.72	376.81	5,706
1929	Critical	320.70	252.95	249.36	190.84	168.30	118.59	299.26	364.89	375.05	379.81	331.50	210.65	3,262
1930	Dry	118.01	74.82	148.29	33.71	194.33	273.78	253.58	387.51	565.27	492.26	520.05	377.29	3,439
1931	Critical	292.37	254.64	193.79	64.60	86.54	54.20	321.13	312.52	449.97	412.89	319.26	200.41	2,962
1932	Dry	103.87	61.35	151.96	31.41	266.49	224.73	266.22	268.96	409.33	366.26	292.53	237.15	2,680
1933	Critical	188.36	133.90	72.92	53.12	113.97	367.12	238.15	317.73	386.88	387.72	339.06	286.76	2,886
1934	Critical	204.70	179.02	162.40	56.24	193.33	54.01	290.41	355.59	401.12	378.19	399.74	312.36	2,987
1935	Below Normal	245.28	149.28	99.80	48.97	58.74	288.32	283.36	644.46	728.87	667.47	642.52	453.69	4,311
1936	Below Normal	450.84	305.58	301.28	66.02	71.62	361.94	381.38	616.05	492.92	692.43	580.23	385.84	4,706
1937	Below Normal	443.42	353.37	220.19	77.81	70.62	305.94	364.59	467.56	643.32	635.55	526.07	412.60	4,521
1938	Wet	413.83	307.82	408.62	453.83	772.75	956.49	843.59	971.27	709.12	471.71	451.16	472.07	7,232
1939	Dry	481.99	349.07	382.01	397.81	349.42	463.34	511.75	514.15	574.89	580.66	536.89	352.78	5,495
1940	Above Normal	339.69	281.15	227.58	116.20	114.50	963.25	516.15	582.93	658.51	785.15	645.88	433.57	5,665
1941	Wet	436.64	365.33	338.74	283.27	857.80	740.31	468.80	738.50	603.17	614.85	463.68	402.11	6,313
1942	Wet	473.19	364.99	912.73	807.84	863.01	409.52	708.71	596.13	628.81	518.11	441.31	427.38	7,152
1943	Wet	471.85	451.79	572.40	922.12	522.81	937.24	423.90	459.94	446.34	598.33	477.57	381.68	6,666
1944	Dry	367.12	288.95	307.20	198.43	241.68	418.83	475.00	458.14	667.97	712.38	612.04	482.31	5,230
1945	Below Normal	391.42	292.61	289.26	197.88	217.64	360.62	427.80	448.27	659.73	689.91	574.86	425.59	4,976
1946	Below Normal	363.17	295.26	295.52	313.63	460.40	541.42	459.52	518.11	653.97	707.55	608.46	459.47	5,676
1947	Dry	382.73	297.11	264.99	222.42	187.05	179.41	372.29	468.95	443.47	619.50	520.39	379.34	4,338
1948	Below Normal	297.56	281.29	257.24	116.19	132.76	73.99	198.65	417.52	451.56	727.73	618.87	378.89	3,952
1949	Dry	404.78	335.99	295.80	186.67	260.41	114.55	250.41	331.10	435.46	507.78	375.22	344.99	3,843
1950	Below Normal	221.42	213.00	118.69	50.29	51.51	195.11	374.87	461.70	575.32	659.88	491.37	364.89	3,778
1951	Above Normal	342.72	588.51	810.61	702.45	642.98	482.95	447.35	463.85	638.29	713.69	630.57	462.50	6,926
1952	Wet	392.50	291.60	288.81	440.04	710.19	565.22	962.95	969.23	721.19	476.93	432.57	456.54	6,708
1953	Wet	484.84	367.18	658.51	919.26	302.28	550.05	509.60	514.64	611.00	742.12	474.59	364.86	6,499
1954	Above Normal	323.51	323.93	343.54	634.20	550.70	696.36	603.01	799.26	651.14	726.46	564.81	459.49	6,676
1955	Dry	407.88	296.52	291.41	219.67	242.10	151.74	270.61	306.69	404.45	377.46	371.14	255.76	3,595
1956	Wet	196.58	158.13	294.11	837.89	670.43	560.69	468.90	814.22	549.34	574.82	460.44	367.92	5,953
1957	Above Normal	545.88	315.97	357.94	417.84	814.74	572.30	500.76	369.00	600.73	549.89	507.83	297.24	5,850
1958	Wet	258.43	257.47	239.30	378.79	860.89	766.62	592.24	783.99	638.16	476.13	431.65	454.05	6,138
1959	Below Normal	477.81	354.28	405.02	642.25	593.83	347.36	441.58	409.83	602.00	654.40	497.25	288.54	5,714
1960	Dry	355.05	286.38	356.20	171.64	155.41	104.56	380.30	395.04	568.36	572.21	533.35	418.58	4,297
1961	Dry	309.73	221.84	187.78	106.74	147.94	236.04	321.00	409.81	477.14	553.09	404.22	403.01	3,778
1962	Below Normal	335.07	230.35	157.08	84.15	73.21	260.58	436.95	505.87	753.10	717.55	617.57	459.87	4,631
1963	Wet	312.50	297.88	293.63	286.18	811.79	616.68	486.35	556.86	714.69	754.02	574.84	430.27	6,496
1964	Dry	344.94	303.88	301.10	214.93	352.24	371.23	479.40	362.34	528.42	602.45	488.80	347.00	4,697
1965	Wet	275.62	213.96	316.30	896.68	429.89	452.01	560.54	563.73	398.52	538.54	347.05	298.30	5,291
1966	Below Normal	336.64	481.57	304.40	384.17	323.30	478.80	434.53	514.62	586.49	688.11	593.92	395.94	5,522
1967	Wet	394.33	278.99	277.98	292.40	490.02	867.66	392.13	751.98	714.73	467.84	431.87	470.95	5,831
1968	Below Normal	493.49	388.48	441.13	567.89	697.99	565.16	463.13	421.79	592.21	661.80	479.76	370.17	6,143
1969	Wet	346.86	256.87	254.55	689.64	694.48	556.36	650.23	900.98	524.40	491.87	458.04	547.89	6,372
1970	Wet	401.10	390.75	943.39	915.73	629.44	466.15	536.13	459.91	574.98	679.99	539.52	431.45	6,969
1971	Wet	389.38	312.35	285.58	310.87	405.07	671.90	569.82	764.80	630.59	817.72	626.31	388.66	6,173
1972	Below Normal	408.24	334.76	296.07	247.38	419.80	562.72	310.10	349.57	496.34	543.68	434.10	328.45	4,731
1973	Above Normal	218.87	201.11	159.83	641.15	615.15	543.06	385.22	502.42	638.12	626.34	457.63	354.56	5,343
1974	Wet	296.22	524.49	611.97	919.42	533.15	973.92	659.58	648.51	581.95	519.84	404.20	450.27	7,124
1975	Wet	446.43	365.16	339.42	368.83	736.18	809.02	381.92	747.23	628.77	591.20	399.72	370.22	6,184
1976	Critical	460.06	386.60	388.82	391.41	417.16	469.26	449.53	395.88	455.23	395.60	372.39	335.14	4,917
1977	Critical	322.15	245.33	348.22	155.50	145.73	87.38	150.73	131.51	200.97	182.91	143.40	96.47	2,210
1978	Above Normal	68.11	32.12	29.69	132.83	275.18	337.13	493.01	431.24	511.77	623.21	476.58	378.40	3,789
1979	Below Normal	479.94	371.37	382.22	228.72	670.09	440.91	391.95	431.84	668.43	613.38	468.54	403.39	5,551
1980	Above Normal	338.04	288.81	285.98	874.00	883.89	507.12	363.70	383.20	407.97	422.38	372.71	332.30	5,460
1981	Dry	367.94	299.95	351.81	550.17	382.34	576.74	378.27	427.56	580.44	607.74	482.17	400.91	5,406
1982	Wet	323.99	245.06	863.23	572.97	872.43	815.63	958.97	700.63	527.76	478.48	409.84	480.22	7,249
1983	Wet	522.50	564.23	727.26	743.08	860.95	971.01	627.17	851.07	841.06	502.38	430.90	512.95	8,155
1984	Wet	491.06	815.74	970.28	464.45	583.28	663.06	416.19	459.39	645.20	735.79	533.06	442.77	7,220
1985	Dry	318.33	288.77	286.94	313.66	306.05	408.85	464.60	586.35	695.12	624.18	500.19	404.09	5,197
1986	Wet	387.69	309.84	280.40	190.25	712.78	963.91	316.74	354.98	415.90	506.53	375.05	303.67	5,118
1987	Dry	296.34	263.52	258.12	316.54	447.76	557.33	415.83	448.42	471.81	457.86	456.69	340.63	4,731
1988	Critical	330.87	260.42	209.26	163.02	167.87	128.61	201.71	245.35	326.28	362.19	275.90	190.66	2,862
1989	Dry	129.09	54.78	46.27	31.33	34.81	241.73	418.48	603.56	683.65	698.00	618.06	367.69	3,927
1990	Critical	412.30	355.15	421.97	42.06	40.01	43.58	272.86	245.60	301.33	316.67	288.70	189.20	2,929
1991	Critical	128.63	63.52	65.09	31.87	30.29	29.63	179.52	220.26	269.38	294.61	205.63	191.42	1,710
1992	Critical	106.78	66.29	47.50	31.14	30.35	70.10	204.72	355.59	377.29	369.75	326.91	287.07	2,274
1993	Above Normal	197.28	152.66	76.40	48.86	252.01	589.50	487.80	717.45	563.88	672.62	544.15	405.74	4,708
1994	Critical	400.27	351.68	286.54	286.83	455.65	434.72	315.43	329.10	453.06	583.76	463.70	300.56	4,661
1995	Wet	279.41	204.64	143.18	108.54	531.98	958.93	832.90	984.19	820.66	504.47	503.41	445.03	6,317
1996	Wet	484.10	354.14	515.96	727.65	890.02	699.82	533.67	739.58	557.50	589.45	421.		

Shasta Lake Water Resource Investigation
Socioeconomic Appendix - Power and Energy Technical Report

Energy generated (GWh) at Syst. Tot.: CP3_2020

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	460.27	380.87	311.79	83.97	313.48	487.48	410.63	1,006.21	660.38	609.38	465.37	383.14	5,573
1923	Below Normal	434.30	388.88	568.22	440.75	384.42	446.87	402.11	515.37	586.42	748.98	609.82	459.56	5,986
1924	Critical	391.47	323.46	370.95	211.62	194.08	178.40	202.23	224.42	261.81	262.37	209.69	136.11	2,966
1925	Dry	51.38	40.37	38.58	113.19	235.09	129.94	214.64	266.81	408.04	400.20	310.25	291.53	2,500
1926	Dry	191.01	127.94	119.32	55.96	246.65	228.04	279.60	594.34	620.62	577.87	547.74	406.74	3,996
1927	Wet	371.11	252.78	348.50	154.49	654.84	579.36	556.95	591.91	504.92	733.68	599.05	492.79	5,840
1928	Above Normal	422.64	314.52	334.05	306.36	421.83	969.11	376.43	603.36	572.45	551.02	479.24	393.96	5,745
1929	Critical	313.93	248.17	244.52	191.65	168.80	118.65	300.48	366.74	376.58	367.10	324.82	213.12	3,235
1930	Dry	119.16	75.39	148.78	34.02	183.34	274.59	289.54	401.22	569.38	545.67	485.78	365.71	3,493
1931	Critical	326.05	267.17	265.58	101.23	91.80	65.91	309.15	299.40	394.73	384.08	305.52	188.96	3,000
1932	Dry	97.39	53.95	148.44	30.69	264.54	219.31	266.55	269.22	409.43	363.38	282.16	229.51	2,635
1933	Critical	178.55	121.93	69.20	49.24	127.23	362.84	239.71	319.18	388.56	385.93	330.09	270.83	2,843
1934	Critical	191.26	160.39	153.51	55.47	204.88	53.01	289.12	353.92	399.32	376.78	395.88	301.92	2,935
1935	Below Normal	245.02	148.58	99.38	49.09	58.94	273.80	292.79	643.33	731.60	679.48	635.54	444.15	4,302
1936	Below Normal	452.24	309.28	302.44	65.52	72.17	363.95	389.81	622.25	494.48	701.73	594.34	400.98	4,769
1937	Below Normal	452.86	347.35	231.27	79.22	70.54	346.54	356.34	454.82	626.65	619.47	513.55	404.26	4,503
1938	Wet	405.58	299.44	417.90	454.92	772.64	956.28	844.03	967.21	708.63	471.22	450.71	471.71	7,220
1939	Dry	481.63	348.73	381.26	397.76	350.76	476.00	512.50	496.56	550.76	595.09	571.18	339.75	5,502
1940	Above Normal	341.98	280.77	227.84	116.09	115.86	962.89	516.70	584.78	657.68	783.68	645.63	433.25	5,667
1941	Wet	436.60	365.35	338.82	306.20	859.29	737.67	469.59	740.22	607.84	620.14	478.91	397.19	6,358
1942	Wet	448.26	360.63	908.32	807.78	863.07	409.96	708.55	595.97	628.65	517.04	440.18	427.05	7,115
1943	Wet	471.73	451.68	572.28	922.06	522.86	937.19	425.95	464.39	449.24	603.60	482.79	384.60	6,688
1944	Dry	372.47	290.91	315.08	199.40	305.67	406.54	459.01	440.77	651.26	665.99	602.41	521.76	5,231
1945	Below Normal	377.27	281.39	277.92	198.43	230.71	331.09	426.20	449.31	663.46	685.51	595.65	395.69	4,887
1946	Below Normal	365.74	296.25	296.45	329.10	464.70	541.26	459.70	518.32	665.48	716.95	632.02	453.33	5,739
1947	Dry	378.98	269.06	264.30	209.80	186.91	206.24	390.92	487.56	488.49	658.38	543.70	396.01	4,480
1948	Below Normal	331.35	284.74	271.94	117.84	135.75	73.98	189.36	411.24	432.87	701.59	613.00	358.13	3,922
1949	Dry	381.78	327.38	289.16	179.76	259.04	111.50	237.33	314.84	418.53	451.05	341.62	320.44	3,632
1950	Below Normal	204.53	178.44	99.47	48.57	51.04	201.21	382.21	467.64	587.85	675.71	488.18	372.52	3,757
1951	Above Normal	358.49	581.82	814.17	703.66	643.02	482.37	447.33	464.03	641.00	715.40	642.43	484.41	6,978
1952	Wet	390.20	291.00	288.34	404.57	710.19	565.22	962.95	969.23	721.19	476.93	432.56	456.55	6,669
1953	Wet	484.84	367.18	658.51	919.26	302.28	550.28	511.27	517.14	611.77	742.81	470.72	365.49	6,502
1954	Above Normal	324.13	324.48	344.12	635.64	551.72	695.12	602.99	799.24	651.83	724.07	558.92	450.52	6,663
1955	Dry	407.56	295.90	290.77	219.76	243.45	153.57	267.15	308.05	405.73	370.09	341.18	302.02	3,605
1956	Wet	228.14	178.86	334.19	837.19	669.16	560.57	468.96	814.23	549.31	574.64	461.19	368.15	6,045
1957	Above Normal	545.91	315.85	358.02	418.97	814.61	572.13	513.14	381.19	610.48	587.15	496.34	345.11	5,959
1958	Wet	262.39	260.99	243.13	318.29	861.68	766.69	592.25	784.01	638.47	476.67	433.77	454.36	6,093
1959	Below Normal	477.83	354.30	402.22	642.22	596.27	350.63	443.15	412.98	588.97	659.30	525.02	291.11	5,744
1960	Dry	360.33	281.42	376.77	171.54	156.57	105.41	437.66	414.47	553.65	546.45	515.61	407.40	4,327
1961	Dry	345.01	242.84	248.32	156.28	136.29	212.20	347.54	413.49	469.56	559.16	503.59	421.78	4,056
1962	Below Normal	332.22	250.50	185.34	105.98	94.67	133.94	387.00	487.49	614.61	705.43	537.43	486.69	4,321
1963	Wet	293.25	280.03	278.66	281.63	660.85	621.92	848.05	554.37	711.64	713.94	546.81	427.34	6,219
1964	Dry	342.09	302.30	299.43	304.31	352.11	412.22	567.30	330.87	445.72	591.63	527.28	353.55	4,829
1965	Wet	294.60	226.77	346.70	908.34	429.22	455.88	565.56	577.60	389.48	534.85	350.68	303.90	5,384
1966	Below Normal	347.00	486.71	309.61	384.12	323.20	477.29	436.28	516.38	587.32	693.76	556.27	428.53	5,546
1967	Wet	395.95	280.32	279.29	342.63	491.71	858.42	387.99	747.65	709.06	462.17	426.33	466.67	5,848
1968	Below Normal	489.27	384.46	441.30	567.84	697.99	565.09	467.40	424.73	598.08	633.27	523.70	371.86	6,165
1969	Wet	358.93	258.64	256.34	703.04	696.01	554.34	647.21	898.89	519.34	486.82	453.19	544.14	6,377
1970	Wet	397.35	387.17	943.54	915.67	629.45	466.10	540.23	460.52	581.06	689.93	539.47	434.29	6,985
1971	Wet	389.20	312.48	285.88	310.69	405.82	652.54	569.99	765.03	631.08	817.89	652.78	380.75	6,174
1972	Below Normal	400.36	329.86	294.13	304.40	420.11	579.08	343.88	343.43	482.70	521.79	462.42	311.63	4,794
1973	Above Normal	218.90	201.57	178.07	583.48	610.23	543.05	386.46	503.64	640.36	628.86	460.19	355.57	5,310
1974	Wet	297.06	519.77	612.88	919.40	528.01	973.52	659.31	648.26	581.68	521.58	403.92	448.18	7,114
1975	Wet	446.22	364.96	339.22	368.79	726.13	808.98	382.93	746.87	628.42	590.67	399.42	369.95	6,173
1976	Critical	460.12	386.35	388.56	391.34	417.03	473.13	473.97	411.82	470.95	450.51	372.75	363.33	5,060
1977	Critical	331.68	253.69	370.64	157.79	205.37	85.69	128.74	107.07	167.77	152.06	121.89	74.68	2,157
1978	Above Normal	76.49	19.79	22.06	257.70	242.15	335.82	359.54	444.06	488.15	645.61	496.43	381.19	3,769
1979	Below Normal	490.66	383.90	404.68	108.62	621.29	428.17	393.73	432.96	673.88	613.85	460.29	402.86	5,415
1980	Above Normal	342.58	289.81	287.00	875.28	883.45	507.13	362.49	385.20	410.01	424.26	374.41	333.69	5,475
1981	Dry	369.04	301.39	353.15	550.81	382.51	568.75	381.57	430.61	588.36	569.95	454.88	481.69	5,433
1982	Wet	326.09	247.06	855.92	572.91	872.43	815.63	958.89	700.63	527.89	476.17	410.94	480.51	7,245
1983	Wet	522.50	564.23	727.26	743.08	860.95	971.01	627.17	851.15	841.06	502.38	430.43	512.95	8,154
1984	Wet	491.06	815.74	970.28	464.45	583.28	663.06	416.17	459.38	645.08	736.05	532.57	430.80	7,208
1985	Dry	375.93	288.26	286.47	313.19	305.55	413.06	464.92	565.78	616.22	637.84	492.83	390.55	5,151
1986	Wet	375.64	297.93	268.13	187.77	727.40	971.29	323.54	366.33	428.43	529.22	384.18	311.74	5,172
1987	Dry	304.34	262.83	261.23	314.04	445.82	518.49	448.50	419.68	484.07	502.35	442.01	347.36	4,751
1988	Critical	317.73	251.55	203.27	156.03	154.39	123.96	188.94	230.25	308.32	311.24	242.55	179.31	2,668
1989	Dry	123.90	51.94	44.13	30.29	32.39	170.24	419.95	608.16	673.34	708.56	594.57	412.26	3,870
1990	Critical	414.58	350.17	435.75	91.85	85.94	60.81	272.77	246.36	301.76	317.54	288.42	189.15	3,055
1991	Critical	127.08	65.10	64.70	31.46	29.53	27.54	188.30	232.02	282.02	304.45	218.93	198.80	1,770
1992	Critical	109.95	69.07	48.76	31.13	30.07	35.21	235.59	355.91	377.34	364.71	317.76	276.69	2,252
1993	Above Normal	177.90	130.94	68.37	47.85	251.95	576.34	487.52	730.62	574.11	691.59	565.88	404.74	4,708
1994	Critical	404.88	350.51	286.09	279.63	393.22	442.78	351.41	338.44	271.75	605.96	494.19	342.00	4,561
1995	Wet	311.79	249.17	205.36	139.27	521.09	970.31	842.10	1,015.61	827.12	518.03	509.50	448.08	6,557
1996	Wet	485.90	356.41	465.09	729.43	892.68	699.71	532.06	745.76	565.19	593.46			

Difference in Energy generated (GWh) at Syst. Tot.: CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	18	6	0	-4	-3	-2	-6	-3	-2	0
1923	Below Norma	0	37	-41	0	63	-12	-41	-12	31	-6	-12	68	6
1924	Critical	28	7	37	6	-27	5	4	-5	-34	14	-1	-43	-1
1925	Dry	-19	1	1	-47	1	5	1	-3	-2	4	14	52	1
1926	Dry	16	21	13	2	-19	77	-4	4	-4	-3	-6	-11	7
1927	Wet	-12	-5	-5	2	-2	0	-1	-1	-1	-3	-2	5	-2
1928	Above Norma	-1	-1	-1	32	1	4	12	-2	-5	-9	-7	17	3
1929	Critical	-7	-5	-5	1	1	0	1	2	2	-13	-7	2	-2
1930	Dry	1	1	0	0	-11	1	36	14	4	53	-34	-12	4
1931	Critical	34	13	72	37	5	12	-12	-13	-55	-29	-14	-11	3
1932	Dry	-6	-7	-4	-1	-2	-5	0	0	0	-3	-10	-8	-4
1933	Critical	-10	-12	-4	-4	13	-4	2	1	2	-2	-9	-16	-4
1934	Critical	-13	-19	-9	-1	12	-1	-1	-2	-2	-1	-4	-10	-4
1935	Below Norma	0	-1	0	0	0	-15	9	-1	3	12	-7	-10	-1
1936	Below Norma	1	4	1	-1	1	2	8	6	2	9	14	15	5
1937	Below Norma	9	-6	11	1	0	41	-8	-13	-17	-16	-13	-8	-2
1938	Wet	-8	-8	9	1	0	0	0	-4	0	0	0	0	-1
1939	Dry	0	0	-1	0	1	13	1	-18	-24	14	34	-13	1
1940	Above Norma	2	0	0	0	1	0	1	2	-1	-1	0	0	0
1941	Wet	0	0	0	23	1	-3	1	2	5	5	15	-5	4
1942	Wet	-25	-4	-4	0	0	0	0	0	0	-1	-1	0	-3
1943	Wet	0	0	0	0	0	0	2	4	3	5	5	3	2
1944	Dry	5	2	8	1	64	-12	-16	-17	-17	-46	-10	39	0
1945	Below Norma	-14	-11	-11	1	13	-30	-2	1	4	-4	-5	-30	-7
1946	Below Norma	3	1	1	15	4	0	0	0	12	9	24	-6	5
1947	Dry	-4	-28	-1	-13	0	27	19	19	45	39	23	17	12
1948	Below Norma	34	3	15	2	3	0	-9	-6	-19	-26	-6	-21	-3
1949	Dry	-23	-9	-7	-7	-1	-3	-13	-16	-17	-57	-34	-25	-18
1950	Below Norma	-17	-35	-19	-2	0	6	7	6	13	16	-3	8	-2
1951	Above Norma	16	-7	4	1	0	-1	0	0	3	2	12	22	4
1952	Wet	-2	-1	0	-35	0	0	0	0	0	0	0	0	-3
1953	Wet	0	0	0	0	0	0	2	2	1	1	-4	1	0
1954	Above Norma	1	1	1	1	1	-1	0	0	1	-2	-6	-9	-1
1955	Dry	0	-1	-1	0	1	2	-3	1	1	-7	-30	46	1
1956	Wet	32	21	40	-1	-1	0	0	0	0	0	1	0	8
1957	Above Norma	0	0	0	1	0	0	12	12	10	37	-11	48	9
1958	Wet	4	4	4	-61	1	0	0	0	0	1	2	0	-4
1959	Below Norma	0	0	-3	0	2	3	2	3	-13	5	28	3	2
1960	Dry	5	-5	21	0	1	1	57	19	-15	-26	-18	-11	3
1961	Dry	35	21	61	50	-12	-24	27	4	-8	6	99	19	23
1962	Below Norma	-3	20	28	22	21	-127	-50	-18	-138	-12	-80	27	-26
1963	Wet	-19	-18	-15	-5	-151	5	2	-2	-3	-40	-28	-3	-23
1964	Dry	-3	-2	-2	89	0	41	88	-31	-83	-11	38	7	11
1965	Wet	19	13	30	12	-1	4	5	14	-9	-4	4	6	8
1966	Below Norma	10	5	5	0	0	-2	2	2	1	6	-38	33	2
1967	Wet	2	1	1	50	2	-9	-4	-4	-6	-6	-6	-4	1
1968	Below Norma	-4	-4	0	0	0	0	4	3	6	-29	44	2	2
1969	Wet	12	2	2	13	2	-2	-3	-2	-5	-5	-5	-4	0
1970	Wet	-4	-4	0	0	0	0	4	1	6	10	0	3	1
1971	Wet	0	0	0	0	1	-19	0	0	0	0	26	-8	0
1972	Below Norma	-8	-5	-2	57	0	16	34	-6	-14	-22	28	-17	5
1973	Above Norma	0	0	18	-58	-5	0	1	1	2	3	3	1	-3
1974	Wet	1	-5	1	0	-5	0	0	0	0	2	0	-2	-1
1975	Wet	0	0	0	0	-10	0	1	0	0	-1	0	0	-1
1976	Critical	0	0	0	0	0	4	24	16	16	55	0	28	12
1977	Critical	10	8	22	2	60	-2	-22	-24	-33	-31	-22	-22	-4
1978	Above Norma	8	-12	-8	125	-33	-1	-133	13	-24	22	20	3	-2
1979	Below Norma	11	13	22	-120	-49	-13	2	1	5	0	-8	-1	-11
1980	Above Norma	5	1	1	1	0	0	-1	2	2	2	2	1	1
1981	Dry	1	1	1	1	0	-8	3	3	8	-38	-27	81	2
1982	Wet	2	2	-7	0	0	0	0	0	0	-2	1	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	-12	-1
1985	Dry	58	-1	0	0	0	4	0	-21	-79	14	-7	-14	-4
1986	Wet	-12	-12	-12	-2	15	7	7	11	13	23	9	8	4
1987	Dry	8	-1	3	-3	-2	-39	33	-29	12	44	-15	7	2
1988	Critical	-13	-9	-6	-7	-13	-5	-13	-15	-18	-51	-33	-11	-16
1989	Dry	-5	-3	-2	-1	-2	-71	1	5	-10	11	-23	45	-5
1990	Critical	2	-5	14	50	46	17	0	1	0	1	0	0	10
1991	Critical	-2	2	0	0	-1	-2	9	12	13	10	13	7	5
1992	Critical	3	3	1	0	0	-35	31	0	0	-5	-9	-10	-2
1993	Above Norma	-19	-22	-8	-1	0	-13	0	13	10	19	22	-1	0
1994	Critical	5	-1	0	-7	-62	8	36	9	-181	22	30	41	-8
1995	Wet	32	45	62	31	-11	11	9	31	6	14	6	3	20
1996	Wet	2	2	-51	2	3	0	-2	6	8	4	1	1	-2
1997	Wet	5	-15	1	0	0	-1	10	11	20	20	10	11	6
1998	Wet	29	7	7	-55	0	-1	0	1	-1	0	0	1	-1
1999	Wet	0	0	0	0	0	0	1	1	1	3	1	1	1
2000	Above Norma	1	-2	1	67	-1	1	14	21	7	26	3	9	12
2001	Dry	-7	-6	-15	0	-1	0	3	-5	5	5	-27	51	0
2002	Dry	3	2	1	0	21	0	13	10	13	-8	-31	78	9
2003	Above Norma	6	-2	11	36	17	-30	-17	-40	11	1	0	-25	-3
Average		2	0	4	4	0	-2	2	0	-7	0	-1	5	1
Wet		2	1	2	-1	-6	0	1	3	1	1	1	0	1
Above Norma		2	-4	2	19	-1	-4	-10	2	1	8	3	5	2
Below Norma		2	2	0	-2	4	-9	-3	-2	-9	-4	-2	4	-2
Dry		4	-1	4	4	2	0	14	-3	-9	0	-3	19	3
Critical		3	-2	10	6	3	0	5	-2	-24	-2	-5	-4	-1

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy generated (GWh) at Syst. Tot.: CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	27%	2%	0%	-1%	0%	0%	-1%	-1%	-1%
1923	Below Norma	0%	10%	-7%	0%	19%	-3%	-9%	-2%	6%	-1%	-2%	17%
1924	Critical	8%	2%	11%	3%	-12%	3%	2%	-2%	-12%	6%	0%	-24%
1925	Dry	-26%	2%	2%	-29%	0%	4%	1%	-1%	0%	1%	5%	22%
1926	Dry	9%	20%	12%	4%	-7%	51%	-1%	1%	-1%	0%	-1%	-3%
1927	Wet	-3%	-2%	-1%	1%	0%	0%	0%	0%	0%	0%	0%	1%
1928	Above Norma	0%	0%	0%	12%	0%	0%	3%	0%	-1%	-2%	-2%	5%
1929	Critical	-2%	-2%	-2%	0%	0%	0%	0%	1%	0%	-3%	-2%	1%
1930	Dry	1%	1%	0%	1%	-6%	0%	14%	4%	1%	11%	-7%	-3%
1931	Critical	12%	5%	37%	57%	6%	22%	-4%	-4%	-12%	-7%	-4%	-6%
1932	Dry	-6%	-12%	-2%	-2%	-1%	-2%	0%	0%	0%	-1%	-4%	-3%
1933	Critical	-5%	-9%	-5%	-7%	12%	-1%	1%	0%	0%	0%	-3%	-6%
1934	Critical	-7%	-10%	-5%	-1%	6%	-2%	0%	0%	0%	0%	-1%	-3%
1935	Below Norma	0%	0%	0%	0%	0%	-5%	3%	0%	0%	2%	-1%	-2%
1936	Below Norma	0%	1%	0%	-1%	1%	1%	2%	1%	0%	1%	2%	4%
1937	Below Norma	2%	-2%	5%	2%	0%	13%	-2%	-3%	-3%	-3%	-2%	-2%
1938	Wet	-2%	-3%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	0%	3%	0%	-3%	-4%	2%	6%	-4%
1940	Above Norma	1%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	8%	0%	0%	0%	0%	1%	1%	3%	-1%
1942	Wet	-5%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	1%	1%	1%	1%	1%
1944	Dry	1%	1%	3%	0%	26%	-3%	-3%	-4%	-3%	-7%	-2%	8%
1945	Below Norma	-4%	-4%	-4%	0%	6%	-8%	0%	0%	1%	-1%	-1%	-7%
1946	Below Norma	1%	0%	0%	5%	1%	0%	0%	0%	2%	1%	4%	-1%
1947	Dry	-1%	-9%	0%	-6%	0%	15%	5%	4%	10%	6%	4%	4%
1948	Below Norma	11%	1%	6%	1%	2%	0%	-5%	-2%	-4%	-4%	-1%	-5%
1949	Dry	-6%	-3%	-2%	-4%	-1%	-3%	-5%	-4%	-4%	-11%	-9%	-7%
1950	Below Norma	-8%	-16%	-16%	-3%	-1%	3%	2%	1%	2%	2%	-1%	2%
1951	Above Norma	5%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	2%	5%
1952	Wet	-1%	0%	0%	-8%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	0%
1954	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	-2%
1955	Dry	0%	0%	0%	0%	1%	1%	-1%	0%	0%	-2%	-8%	18%
1956	Wet	16%	13%	14%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norma	0%	0%	0%	0%	0%	0%	2%	3%	2%	7%	-2%	16%
1958	Wet	2%	1%	2%	-16%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	-1%	0%	0%	1%	0%	1%	-2%	1%	6%	1%
1960	Dry	1%	-2%	6%	0%	1%	1%	15%	5%	-3%	-5%	-3%	-3%
1961	Dry	11%	9%	32%	46%	-8%	-10%	8%	1%	-2%	1%	25%	5%
1962	Below Norma	-1%	9%	18%	26%	29%	-49%	-11%	-4%	-18%	-2%	-13%	6%
1963	Wet	-6%	-6%	-5%	-2%	-19%	1%	0%	0%	0%	-5%	-5%	-1%
1964	Dry	-1%	-1%	-1%	42%	0%	11%	18%	-9%	-16%	-2%	8%	2%
1965	Wet	7%	6%	10%	1%	0%	1%	1%	2%	-2%	-1%	1%	2%
1966	Below Norma	3%	1%	2%	0%	0%	0%	0%	0%	0%	1%	-6%	8%
1967	Wet	0%	0%	0%	17%	0%	-1%	-1%	-1%	-1%	-1%	-1%	-1%
1968	Below Norma	-1%	-1%	0%	0%	0%	0%	1%	1%	1%	-4%	9%	0%
1969	Wet	3%	1%	1%	2%	0%	0%	0%	0%	-1%	-1%	-1%	-1%
1970	Wet	-1%	-1%	0%	0%	0%	0%	0%	1%	1%	1%	0%	1%
1971	Wet	0%	0%	0%	0%	0%	-3%	0%	0%	0%	0%	4%	-2%
1972	Below Norma	-2%	-1%	-1%	23%	0%	3%	11%	-2%	-3%	-4%	7%	-5%
1973	Above Norma	0%	0%	11%	-9%	-1%	0%	0%	0%	0%	0%	1%	0%
1974	Wet	0%	-1%	0%	0%	-1%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	1%	5%	4%	3%	14%	0%	8%
1977	Critical	3%	3%	6%	1%	41%	-2%	-15%	-19%	-17%	-17%	-15%	-23%
1978	Above Norma	12%	-38%	-26%	94%	-12%	0%	-27%	3%	-5%	4%	4%	1%
1979	Below Norma	2%	3%	6%	-53%	-7%	-3%	0%	0%	1%	0%	-2%	0%
1980	Above Norma	1%	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	0%	-1%	1%	1%	1%	-6%	-6%	20%
1982	Wet	1%	1%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-3%
1985	Dry	18%	0%	0%	0%	0%	1%	0%	-4%	-11%	2%	-1%	-3%
1986	Wet	-3%	-4%	-4%	-1%	2%	1%	2%	3%	3%	4%	2%	3%
1987	Dry	3%	0%	1%	-1%	0%	-7%	8%	-6%	3%	10%	-3%	2%
1988	Critical	-4%	-3%	-3%	-4%	-8%	-4%	-6%	-6%	-6%	-14%	-12%	-6%
1989	Dry	-4%	-5%	-3%	-3%	-7%	-30%	0%	1%	-2%	2%	-4%	12%
1990	Critical	1%	-1%	3%	118%	115%	40%	0%	0%	0%	0%	0%	0%
1991	Critical	-1%	2%	-1%	-1%	-3%	-7%	5%	5%	5%	3%	6%	4%
1992	Critical	3%	4%	3%	0%	-1%	-50%	15%	0%	0%	-1%	-3%	-4%
1993	Above Norma	-10%	-14%	-11%	-2%	0%	-2%	0%	2%	2%	3%	4%	0%
1994	Critical	1%	0%	0%	-3%	-14%	2%	11%	3%	-40%	4%	7%	14%
1995	Wet	12%	22%	43%	28%	-2%	1%	1%	3%	1%	3%	1%	1%
1996	Wet	0%	1%	-10%	0%	0%	0%	0%	1%	1%	1%	0%	0%
1997	Wet	1%	-4%	0%	0%	0%	0%	3%	3%	4%	4%	3%	3%
1998	Wet	9%	3%	3%	-6%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norma	0%	0%	0%	18%	0%	0%	3%	4%	1%	3%	0%	2%
2001	Dry	-2%	-2%	-3%	0%	0%	0%	1%	-1%	1%	1%	-6%	17%
2002	Dry	1%	1%	1%	0%	6%	0%	3%	3%	3%	-1%	-7%	23%
2003	Above Norma	2%	-1%	5%	14%	4%	-8%	-5%	-6%	1%	0%	0%	-4%
Average		1%	0%	2%	5%	2%	0%	1%	0%	-1%	0%	0%	1%
Wet		1%	1%	2%	1%	-1%	0%	0%	1%	0%	0%	0%	0%
Above Norma		1%	-5%	-2%	13%	0%	-1%	-2%	1%	0%	1%	1%	2%
Below Norma		0%	0%	1%	0%	4%	-3%	-1%	-1%	-1%	-1%	0%	1%
Dry		0%	0%	2%	3%	0%	2%	4%	-1%	-1%	0%	-1%	6%
Critical		1%	-1%	4%	14%	12%	0%	1%	-2%	-6%	-1%	-2%	-4%

Energy generated (GWh) at Thermalito Dam : CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	19.02	11.98	16.57	8.42	16.37	23.57	6.23	83.07	31.75	21.71	7.75	4.79	251
1923	Below Normal	19.77	11.98	44.67	24.34	7.60	17.96	9.78	9.56	14.77	42.29	33.02	13.05	249
1924	Critical	15.35	11.98	16.57	8.42	9.97	14.13	8.62	12.17	23.46	18.61	19.04	18.07	176
1925	Dry	8.18	4.31	4.97	4.46	4.02	16.35	3.59	3.71	10.51	9.97	4.64	3.71	78
1926	Dry	8.60	4.31	8.87	4.46	4.02	3.71	7.18	22.29	27.48	21.51	27.15	13.33	153
1927	Wet	19.80	4.31	18.10	4.46	53.33	35.00	22.92	20.00	9.74	37.77	25.25	18.19	269
1928	Above Normal	19.80	8.15	11.22	8.42	21.34	86.15	4.79	28.58	26.88	26.37	26.05	13.88	282
1929	Critical	12.97	8.15	8.42	8.42	7.60	8.42	9.21	8.88	11.36	13.73	20.96	8.82	127
1930	Dry	8.24	6.83	19.73	4.46	17.60	3.71	3.59	3.71	22.43	14.14	23.75	10.25	138
1931	Critical	12.34	11.98	12.35	4.46	6.69	3.71	13.29	9.71	31.54	29.72	25.41	9.82	171
1932	Dry	7.63	5.10	22.61	4.46	4.17	15.07	7.75	3.71	10.83	9.49	5.50	3.71	100
1933	Critical	11.17	8.98	4.46	4.46	4.02	23.87	3.84	7.29	9.50	9.64	7.57	10.36	105
1934	Critical	10.42	9.33	14.61	4.46	16.36	3.71	13.19	11.90	16.47	14.26	24.85	17.21	157
1935	Below Normal	18.57	4.31	4.46	4.46	4.74	3.71	4.79	17.91	38.86	30.91	36.00	15.28	184
1936	Below Normal	19.80	11.98	14.54	8.42	7.87	8.42	4.79	23.15	4.79	35.89	26.17	4.91	171
1937	Below Normal	19.80	11.98	8.42	8.42	7.60	8.42	4.79	4.95	27.77	25.91	19.05	9.26	156
1938	Wet	19.80	8.15	21.42	26.32	64.93	86.15	62.86	85.85	39.35	6.64	5.69	18.61	446
1939	Dry	28.04	13.87	16.46	18.46	12.16	26.17	13.57	20.20	27.57	34.29	35.33	13.82	260
1940	Above Normal	19.36	11.98	5.94	5.94	5.56	86.15	18.37	18.57	26.16	47.36	35.25	10.77	291
1941	Wet	19.80	11.98	8.42	8.42	76.96	56.60	18.15	42.20	16.01	16.87	4.95	4.79	285
1942	Wet	23.85	15.17	86.15	71.11	77.81	13.69	50.54	28.87	28.95	7.32	7.73	11.41	423
1943	Wet	24.82	27.17	43.13	86.15	33.47	79.55	20.24	11.19	7.05	28.61	17.37	11.95	391
1944	Dry	18.05	11.98	15.08	8.42	8.20	15.67	9.64	5.07	32.47	43.46	35.66	22.40	226
1945	Below Normal	19.80	8.15	8.42	8.42	7.60	8.42	4.79	5.35	31.84	39.32	29.31	13.60	185
1946	Below Normal	15.18	8.17	8.42	8.42	19.01	32.02	4.79	10.06	29.86	47.27	38.98	22.97	245
1947	Dry	19.80	11.98	8.42	10.16	7.60	8.42	4.79	7.42	7.66	38.90	31.71	14.60	171
1948	Below Normal	12.40	11.98	5.94	5.94	7.27	4.95	4.79	4.95	4.79	42.73	32.87	6.35	145
1949	Dry	18.68	11.98	8.42	8.42	21.47	8.42	3.95	3.71	12.87	32.24	11.73	13.25	155
1950	Below Normal	7.91	11.98	5.78	4.46	4.02	3.71	4.79	4.95	20.20	31.58	15.16	4.91	119
1951	Above Normal	11.66	44.83	73.12	57.81	48.46	22.38	4.79	8.69	27.39	41.02	37.17	19.17	397
1952	Wet	19.80	8.15	8.42	24.85	56.23	35.01	83.37	86.15	43.49	11.67	8.35	15.88	401
1953	Wet	24.63	13.55	44.99	86.15	7.60	30.40	21.73	16.24	26.47	43.36	9.69	4.79	330
1954	Above Normal	8.42	11.55	14.92	48.51	38.35	50.13	29.81	43.71	25.68	41.17	27.41	18.79	358
1955	Dry	19.80	8.15	8.42	8.42	11.46	8.42	8.45	4.95	12.38	11.82	17.81	4.91	125
1956	Wet	10.29	8.39	32.30	86.15	52.51	32.50	15.52	53.64	20.92	15.49	9.42	5.70	343
1957	Above Normal	35.90	8.15	16.02	21.06	71.20	34.25	6.86	4.95	32.04	26.53	27.94	7.68	293
1958	Wet	8.42	9.79	8.43	15.98	77.81	58.92	36.81	51.86	32.05	7.06	5.92	13.92	327
1959	Below Normal	24.47	13.64	16.57	49.43	42.79	11.08	10.37	4.95	31.06	42.91	28.60	4.91	281
1960	Dry	18.57	11.98	25.68	5.94	5.56	4.95	9.51	4.95	25.33	27.99	28.81	17.24	187
1961	Dry	14.12	5.75	7.50	5.94	5.37	5.62	6.41	4.50	12.39	28.32	11.99	16.01	124
1962	Below Normal	19.80	8.24	4.46	4.46	4.02	3.71	3.59	4.28	43.20	44.22	36.66	19.28	196
1963	Wet	5.94	5.75	5.94	5.94	69.79	41.09	62.74	15.46	32.42	40.92	23.21	12.03	321
1964	Dry	11.27	8.15	8.42	8.42	7.87	8.42	21.33	5.27	28.17	41.91	30.73	14.65	195
1965	Wet	15.30	8.15	24.53	86.15	21.71	25.91	37.43	26.33	4.79	24.17	5.43	4.79	285
1966	Below Normal	16.58	38.95	17.97	17.39	7.98	21.50	5.63	13.28	24.18	41.06	34.95	11.99	251
1967	Wet	19.80	8.15	8.44	15.70	29.93	71.27	10.35	45.76	40.73	7.07	4.95	15.23	277
1968	Below Normal	25.84	13.25	17.98	40.24	54.54	32.81	13.61	4.95	29.40	41.45	24.72	9.86	309
1969	Wet	18.30	8.15	8.42	69.15	55.76	31.93	36.23	63.53	17.97	8.25	7.54	25.58	351
1970	Wet	16.78	18.26	81.09	86.15	47.63	20.37	23.10	4.95	22.11	39.62	25.58	16.52	402
1971	Wet	19.80	11.98	8.42	8.42	11.04	48.36	18.39	42.44	26.87	49.51	35.64	4.79	286
1972	Below Normal	14.80	11.98	8.42	8.42	20.80	33.69	4.79	4.95	21.71	29.01	19.62	9.56	188
1973	Above Normal	8.42	8.15	8.42	48.79	45.26	30.20	4.79	12.91	30.10	31.75	16.48	5.59	251
1974	Wet	8.42	39.54	50.61	86.15	34.67	86.15	40.50	28.64	20.94	14.10	4.95	14.61	429
1975	Wet	24.13	16.71	14.06	14.55	59.13	63.88	4.79	41.43	29.38	18.74	4.95	4.79	297
1976	Critical	25.46	18.66	19.67	17.87	18.46	17.12	4.79	6.85	17.95	8.08	15.55	17.17	188
1977	Critical	19.79	11.98	28.89	5.94	5.37	4.95	5.62	4.51	14.83	14.20	13.69	8.55	138
1978	Above Normal	9.85	4.31	4.46	4.46	4.02	3.71	21.22	4.95	7.90	18.05	6.75	4.91	95
1979	Below Normal	19.80	11.98	11.81	16.88	52.29	21.85	4.79	4.95	33.43	28.96	13.11	11.82	232
1980	Above Normal	13.48	8.17	8.42	81.61	80.59	26.32	4.79	4.95	4.79	6.35	5.77	4.79	250
1981	Dry	15.44	10.25	18.80	37.62	16.54	34.40	4.79	4.95	24.66	33.65	21.09	16.17	238
1982	Wet	15.23	5.75	86.15	41.22	77.81	66.31	83.37	39.67	17.80	4.95	4.95	20.30	464
1983	Wet	33.81	41.63	54.36	62.79	77.81	86.15	41.97	58.81	56.01	14.30	7.49	24.39	560
1984	Wet	24.96	69.70	86.15	27.70	39.79	44.68	4.79	4.95	29.32	44.13	24.90	16.96	418
1985	Dry	10.12	8.15	8.42	8.42	7.60	9.53	5.51	22.68	40.42	43.13	32.91	16.97	214
1986	Wet	19.80	11.98	8.42	8.42	77.81	86.15	4.79	4.95	5.28	12.50	4.95	4.79	250
1987	Dry	8.42	9.23	9.04	10.76	24.63	37.94	8.55	11.96	17.30	18.45	26.16	12.67	195
1988	Critical	19.80	11.98	5.94	5.94	5.56	8.59	3.59	3.71	13.01	22.46	19.50	7.34	127
1989	Dry	11.31	4.31	4.46	4.46	4.02	23.84	3.59	16.70	31.98	39.35	36.46	9.90	190
1990	Critical	19.80	11.98	24.97	4.46	4.02	3.71	6.71	3.93	5.05	12.02	19.77	6.21	123
1991	Critical	11.68	6.77	7.66	4.46	4.02	3.71	3.59	3.71	7.20	15.06	9.64	8.70	86
1992	Critical	9.38	6.85	4.46	4.46	4.17	3.71	3.59	5.94	9.46	10.60	11.21	9.82	84
1993	Above Normal	14.51	11.18	4.46	4.46	4.02	37.85	17.14	38.40	21.78	28.98	15.80	6.74	205
1994	Critical	15.86	11.98	5.94	6.61	25.11	21.80	4.79	4.95	19.17	42.51	30.20	9.31	198
1995	Wet	19.13	10.68	5.94	5.94	35.88	86.15	61.76	86.15	52.53	11.75	13.42	11.36	401
1996	Wet	24.12	13.05	27.44	60.49	80.59	50.16	32.14	51.53	15.26	21.28	6.56	4.79	387
1997	Wet	16.18	19.22	86.15	86.15	45.98	26.90	4.79	4.95	13.94	20.61	4.95	11.69	342
1998	Wet	15.72	8.15	9.58	82.94	77.81	70.62	14.03	45.51	54.74	12.03	5.36	21.19	418
1999	Wet	25.84	40.31	29.79	68.72	74.11	56.14	4.79	4.95	8.26	25.51	4.95	4.79	348
2000	Above Normal	10.11	44.37	14.55	28.59	62.90	46.39	4.79	7.43	28.79	48.60	25.02	17.16	339
2001	Dry	19.80	11.98	26.99	8.42	7.60	8.42	4.79	5.64	9.80	8.87	19.04	5.70	137
2002	Dry	19.80	5.75	5.94	5.94	14.89	4.95	4.79	4.95	9.21	32.49	26.20	10.22	145
2003	Above Normal	19.80	11.98	8.42	8.42	10.54	17.00	4.79	27.58	39.97	49.51	35.89	30.29	264
Average		17	13	20	25	29	30	15	20	23	26	19	12	248
Wet		19	17	33	47	55	53	31	37	26	21	11	12	363
Above Normal		16	15	16	27	34	39	11	24	25	32	22	12	27

Energy generated (GWh) at Thermalito Dam : CP3_2020

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	19.02	11.98	16.57	8.42	16.36	23.57	6.23	83.07	31.75	21.16	7.75	4.79	251
1923	Below Normal	19.92	16.89	39.93	24.34	15.76	17.45	4.79	7.71	18.10	41.96	28.91	18.47	254
1924	Critical	18.01	11.98	21.11	8.42	7.87	14.20	8.84	10.55	17.21	21.79	19.14	10.53	170
1925	Dry	4.77	4.31	4.99	4.46	4.02	16.32	3.59	3.71	10.52	9.99	4.64	9.30	81
1926	Dry	8.53	4.31	8.86	4.46	4.02	3.71	7.24	22.67	28.05	22.35	27.40	12.52	154
1927	Wet	18.95	4.31	18.10	4.46	53.09	35.00	22.92	20.00	9.74	37.64	25.10	18.99	268
1928	Above Normal	19.80	8.15	11.22	8.42	21.34	86.15	4.79	29.09	27.08	26.41	25.79	16.96	285
1929	Critical	13.47	8.15	8.42	8.42	7.60	8.42	9.21	9.00	11.45	10.49	19.72	8.88	123
1930	Dry	8.22	6.82	19.73	4.46	17.60	3.71	3.59	3.71	24.19	23.89	19.81	9.57	145
1931	Critical	15.61	11.98	17.56	4.46	4.02	3.71	13.34	9.72	25.02	27.78	25.23	9.81	168
1932	Dry	7.57	4.31	22.60	4.46	4.17	15.09	7.78	3.71	10.87	9.54	5.41	3.71	99
1933	Critical	11.19	8.86	4.46	4.46	4.02	23.87	3.84	7.29	9.54	9.66	7.59	8.83	104
1934	Critical	10.08	8.63	14.61	4.46	16.36	3.71	13.19	11.88	16.46	14.24	24.32	14.88	153
1935	Below Normal	18.55	4.31	4.46	4.46	4.74	3.71	4.79	17.66	39.08	32.75	34.83	13.34	183
1936	Below Normal	19.80	11.98	14.65	8.42	7.87	8.42	4.79	23.61	4.79	36.67	26.98	7.10	175
1937	Below Normal	19.80	11.98	8.42	8.42	7.60	8.42	4.79	4.95	26.54	24.67	18.07	9.21	153
1938	Wet	19.80	8.15	23.75	26.31	64.93	86.15	62.86	85.85	39.35	6.64	5.69	18.61	448
1939	Dry	28.04	13.87	16.46	18.46	12.16	26.18	13.77	18.17	25.64	35.18	40.35	11.92	260
1940	Above Normal	19.79	11.98	5.94	5.94	5.56	86.15	18.37	18.89	26.21	47.33	35.26	10.73	292
1941	Wet	19.80	11.98	8.42	8.42	76.65	56.60	18.15	42.18	16.85	17.87	4.95	4.79	287
1942	Wet	22.11	15.17	86.15	71.10	77.81	13.69	50.54	28.87	28.95	7.35	7.73	11.39	421
1943	Wet	24.82	27.17	43.13	86.15	33.47	79.55	20.24	11.47	7.05	29.06	17.82	12.07	392
1944	Dry	18.49	11.98	15.85	8.42	7.87	13.48	9.52	5.07	31.98	39.28	35.93	29.49	227
1945	Below Normal	19.80	8.15	8.42	8.72	7.60	8.42	4.79	5.35	32.25	38.64	28.40	9.36	180
1946	Below Normal	15.37	8.15	8.42	10.38	19.47	32.01	4.79	10.06	30.74	48.60	42.61	22.53	253
1947	Dry	19.80	8.15	8.42	8.42	7.60	8.42	4.79	7.50	12.27	43.30	34.20	15.84	179
1948	Below Normal	16.32	10.90	5.94	5.94	7.23	4.95	4.79	4.95	4.79	39.64	33.90	4.79	144
1949	Dry	16.15	11.98	8.42	8.42	22.43	8.42	3.95	3.71	13.07	26.56	9.74	12.32	145
1950	Below Normal	7.87	9.27	4.46	4.46	4.02	3.71	4.79	4.95	20.96	33.64	14.24	5.37	118
1951	Above Normal	13.20	43.54	73.12	57.81	48.46	22.78	4.79	8.69	27.51	40.82	38.71	22.29	402
1952	Wet	19.80	8.15	8.42	20.36	56.23	35.01	83.37	86.15	43.49	11.67	8.35	15.68	397
1953	Wet	24.63	13.55	44.99	86.15	7.60	30.68	21.73	16.24	26.47	43.36	9.69	4.79	330
1954	Above Normal	8.42	11.54	14.92	48.51	38.35	50.12	29.81	43.71	25.68	41.26	27.22	17.45	357
1955	Dry	19.80	8.15	8.42	8.42	11.93	8.42	8.45	4.95	12.60	11.82	8.16	9.51	121
1956	Wet	12.35	8.40	35.91	86.15	52.51	32.48	15.52	53.64	20.92	15.47	9.42	5.73	349
1957	Above Normal	35.90	8.15	16.02	21.06	71.20	34.24	6.97	4.95	32.56	30.14	26.02	13.52	301
1958	Wet	8.42	9.77	8.44	8.42	77.81	58.92	36.80	51.86	32.35	7.07	6.17	14.31	320
1959	Below Normal	24.47	13.64	16.57	49.43	42.79	11.08	10.18	4.95	29.20	43.16	32.09	4.91	282
1960	Dry	19.09	11.98	28.82	5.94	5.56	4.95	9.69	4.95	22.99	27.06	29.13	18.05	188
1961	Dry	16.93	5.75	7.49	5.94	5.37	5.63	6.40	4.53	12.84	31.25	29.10	22.27	153
1962	Below Normal	19.80	10.88	4.46	4.46	4.02	3.71	3.59	4.28	25.41	45.80	28.21	26.55	181
1963	Wet	5.94	5.75	5.94	5.94	51.82	41.08	62.73	15.57	31.65	35.68	19.22	11.77	293
1964	Dry	11.07	8.15	8.42	8.42	7.87	8.42	24.41	4.95	29.86	39.52	36.17	15.86	203
1965	Wet	16.32	8.15	24.72	86.15	21.72	25.91	37.43	27.38	5.89	21.84	4.95	4.79	285
1966	Below Normal	17.17	38.94	17.97	17.39	7.98	21.57	5.63	13.27	24.11	41.67	29.65	16.29	252
1967	Wet	19.80	8.15	8.42	16.13	29.93	71.27	10.35	45.76	40.73	7.07	4.95	15.23	278
1968	Below Normal	25.84	13.25	17.98	40.24	54.54	32.80	13.79	4.95	29.88	37.46	30.19	9.89	311
1969	Wet	19.80	8.15	8.42	65.43	55.76	31.93	36.23	63.53	17.97	8.24	7.54	25.58	349
1970	Wet	16.78	18.26	81.09	86.15	47.63	20.37	23.52	4.95	23.11	39.81	25.75	16.96	404
1971	Wet	19.80	11.98	8.42	8.42	11.16	46.18	18.39	42.44	26.87	49.51	35.71	4.79	284
1972	Below Normal	14.84	11.98	8.42	8.42	20.67	34.68	4.79	4.95	22.05	28.87	26.01	9.65	195
1973	Above Normal	8.69	8.15	8.42	41.93	45.26	30.19	4.79	12.91	30.30	31.97	16.75	5.59	245
1974	Wet	8.42	38.84	50.67	86.15	34.02	86.15	40.50	28.64	20.94	14.32	4.95	14.38	428
1975	Wet	24.13	16.71	14.06	14.55	59.13	63.88	4.79	41.43	29.38	18.70	4.95	4.79	297
1976	Critical	25.50	18.66	19.67	17.87	18.42	20.86	4.79	7.15	18.22	15.71	13.65	19.93	200
1977	Critical	19.80	11.98	31.73	5.94	13.26	4.95	5.06	4.50	14.82	14.15	14.91	8.55	150
1978	Above Normal	17.62	4.23	4.46	4.46	4.02	3.71	4.79	4.95	4.79	21.48	9.25	4.91	89
1979	Below Normal	19.80	11.98	11.79	5.94	48.34	21.84	4.79	4.95	34.13	29.72	11.53	11.50	216
1980	Above Normal	13.91	8.17	8.44	81.46	80.59	26.32	4.79	4.95	4.79	6.35	5.77	4.79	250
1981	Dry	15.41	10.24	18.79	37.62	16.54	34.40	4.79	4.95	25.35	28.46	16.93	27.01	240
1982	Wet	15.28	5.75	83.96	41.22	77.81	66.31	83.37	39.67	17.93	4.95	4.95	20.59	462
1983	Wet	33.81	41.63	54.36	62.79	77.81	86.15	41.97	58.88	56.01	14.30	7.06	24.39	559
1984	Wet	24.96	69.70	86.15	27.70	39.79	44.68	4.79	4.95	29.31	44.17	24.83	15.33	416
1985	Dry	17.93	8.15	8.42	8.42	7.60	8.42	5.96	22.53	32.62	43.63	33.04	16.74	213
1986	Wet	19.80	11.98	8.42	8.42	77.81	86.15	4.79	4.95	5.28	15.40	4.95	4.79	253
1987	Dry	8.42	8.15	8.42	9.47	24.64	37.95	17.17	7.86	20.89	27.53	25.75	15.55	212
1988	Critical	19.80	11.98	5.94	5.94	5.56	8.58	3.59	3.71	13.02	15.70	16.49	7.37	118
1989	Dry	11.68	4.31	4.46	4.46	4.02	14.33	3.59	16.64	30.04	40.41	32.37	16.52	183
1990	Critical	19.80	11.98	26.33	4.46	4.02	3.71	6.68	3.93	5.04	12.32	19.87	6.21	124
1991	Critical	11.49	7.01	7.65	4.46	4.02	3.71	3.59	3.71	7.20	15.05	9.66	8.68	86
1992	Critical	9.33	6.95	4.46	4.46	4.17	3.71	3.59	5.99	9.51	10.66	11.87	9.83	85
1993	Above Normal	13.24	9.86	4.46	4.46	4.02	36.16	17.14	38.40	21.78	32.78	19.76	6.76	209
1994	Critical	16.53	11.98	5.94	5.94	17.42	22.27	4.79	4.95	14.06	42.24	32.62	13.61	192
1995	Wet	17.47	11.98	5.94	5.94	34.58	86.15	61.76	86.15	52.53	11.75	13.41	11.37	399
1996	Wet	24.12	13.05	27.44	60.50	80.59	50.16	32.02	51.53	16.05	21.87	6.06	4.79	388
1997	Wet	16.77	17.23	86.15	86.15	45.98	26.22	4.79	4.95	15.61	22.31	4.95	12.11	343
1998	Wet	18.52	8.15	9.57	76.24	77.81	70.62	13.96	45.97	53.42	12.03	5.36	22.00	414
1999	Wet	25.84	40.31	29.79	68.72	74.11	56.14	4.79	4.95	8.26	25.79	4.95	4.79	348
2000	Above Normal	10.11	44.09	14.55	28.58	62.91	46.39	4.79	7.43	28.88	49.51	25.00	19.14	341
2001	Dry	19.80	11.98	25.80	8.42	7.60	8.42	4.79	5.75	10.03	9.14	13.66	12.79	138
2002	Dry	19.80	5.75	5.94	5.94	14.82	4.95	4.79	4.95	10.37	31.63	21.31	21.23	151
2003	Above Normal	19.80	11.98	8.42	8.42	12.60	8.42	4.79	23.37	44.45	49.51	35.87	26.89	255
Average		17	13	20	24	29	29	15	19	23	27	19	13	248
Wet		19	17	33	46	54	53	31	37	26	21	11	12	362
Above Normal		17	15	16	27	34	38	9	23	25	33	23	13	

Difference in Energy generated (GWh) at Thermalito Dam : CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	-1	0	0	0
1923	Below Norma	0	5	-5	0	8	-1	-5	-2	3	0	-4	5	0
1924	Critical	3	0	5	0	-2	0	0	-2	-6	3	0	-8	-1
1925	Dry	-3	0	0	0	0	0	0	0	0	0	0	6	0
1926	Dry	0	0	0	0	0	0	0	0	1	1	0	-1	0
1927	Wet	-1	0	0	0	0	0	0	0	0	0	0	1	0
1928	Above Norma	0	0	0	0	0	0	0	1	0	0	0	3	0
1929	Critical	0	0	0	0	0	0	0	0	0	-3	-1	0	0
1930	Dry	0	0	0	0	0	0	0	0	2	10	-4	-1	1
1931	Critical	3	0	5	0	-3	0	0	0	-7	-2	0	0	0
1932	Dry	0	-1	0	0	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	-2	0
1934	Critical	0	-1	0	0	0	0	0	0	0	0	-1	-2	0
1935	Below Norma	0	0	0	0	0	0	0	0	0	2	-1	-2	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	1	1	2	0
1937	Below Norma	0	0	0	0	0	0	0	0	-1	-1	-1	0	0
1938	Wet	0	0	2	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	0	-2	-2	1	5	-2	0
1940	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	1	1	0	0	0
1942	Wet	-2	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	1	0	0	-2	0	0	0	-4	0	7	0
1945	Below Norma	0	0	0	0	0	0	0	0	0	-1	-1	-4	0
1946	Below Norma	0	0	0	2	0	0	0	0	1	1	4	0	1
1947	Dry	0	-4	0	-2	0	0	0	0	5	4	2	1	1
1948	Below Norma	4	-1	0	0	0	0	0	0	0	-3	1	-2	0
1949	Dry	-3	0	0	0	1	0	0	0	0	-6	-2	-1	-1
1950	Below Norma	0	-3	-1	0	0	0	0	0	1	2	-1	0	0
1951	Above Norma	2	-1	0	0	0	0	0	0	0	0	2	3	0
1952	Wet	0	0	0	-4	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	-1	0
1955	Dry	0	0	0	0	0	0	0	0	0	0	-10	5	0
1956	Wet	2	0	4	0	0	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	1	4	-2	6	1
1958	Wet	0	0	0	-8	0	0	0	0	0	0	0	0	-1
1959	Below Norma	0	0	0	0	0	0	0	0	-2	0	3	0	0
1960	Dry	1	0	3	0	0	0	0	0	-2	-1	0	1	0
1961	Dry	3	0	0	0	0	0	0	0	0	3	17	6	2
1962	Below Norma	0	3	0	0	0	0	0	0	-18	2	-8	7	-1
1963	Wet	0	0	0	0	-18	0	0	0	-1	-5	-4	0	-2
1964	Dry	0	0	0	0	0	0	3	0	2	-2	5	1	1
1965	Wet	1	0	0	0	0	0	0	1	1	-2	0	0	0
1966	Below Norma	1	0	0	0	0	0	0	0	0	1	-5	4	0
1967	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	-4	5	0	0
1969	Wet	2	0	0	-4	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	1	0	0	0	0
1971	Wet	0	0	0	0	0	-2	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	1	0	0	0	0	6	0	1
1973	Above Norma	0	0	0	-7	0	0	0	0	0	0	0	0	0
1974	Wet	0	-1	0	0	-1	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	4	0	0	0	8	-2	3	1
1977	Critical	0	0	3	0	8	0	-1	0	0	0	1	0	1
1978	Above Norma	8	0	0	0	0	0	-16	0	-3	3	3	0	0
1979	Below Norma	0	0	0	-11	-4	0	0	0	1	1	-2	0	-1
1980	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	1	-5	-4	11	0
1982	Wet	0	0	-2	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	-2	0
1985	Dry	8	0	0	0	0	-1	0	0	-8	1	0	0	0
1986	Wet	0	0	0	0	0	0	0	0	0	3	0	0	0
1987	Dry	0	-1	-1	-1	0	0	9	-4	4	9	0	3	-1
1988	Critical	0	0	0	0	0	0	0	0	0	-7	-3	0	-1
1989	Dry	0	0	0	0	0	-10	0	0	-2	1	-4	7	-1
1990	Critical	0	0	1	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	1	0	0
1993	Above Norma	-1	-1	0	0	0	-2	0	0	0	4	4	0	0
1994	Critical	1	0	0	-1	-8	0	0	0	-5	0	2	4	0
1995	Wet	-2	1	0	0	-1	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	1	1	0	0	0
1997	Wet	1	-2	0	0	0	-1	0	0	2	2	0	0	0
1998	Wet	3	0	0	-7	0	0	0	0	-1	0	0	1	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	1	0	2	0
2001	Dry	0	0	-1	0	0	0	0	0	0	-5	7	0	0
2002	Dry	0	0	0	0	0	0	0	0	1	-1	-5	11	1
2003	Above Norma	0	0	0	0	2	-9	0	-4	4	0	0	-3	-1
Average		0	0	0	-1	0	0	0	0	0	0	0	1	0
Wet		0	0	0	-1	-1	0	0	0	0	0	0	0	0
Above Norma		1	0	0	-1	0	-1	-1	0	0	1	0	1	0
Below Norma		0	0	0	-1	0	0	0	0	-1	0	0	1	0
Dry		0	0	0	0	0	-1	1	0	0	1	0	3	0
Critical		1	0	1	0	0	0	0	0	-1	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy generated (GWh) at Thermalito Dam : CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	-3%	0%	0%
1923	Below Norma	1%	41%	-11%	0%	107%	-3%	-51%	-19%	23%	-1%	-12%	41%
1924	Critical	17%	0%	27%	0%	-21%	1%	3%	-13%	-27%	17%	0%	-42%
1925	Dry	-42%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	151%
1926	Dry	-1%	0%	0%	0%	0%	0%	1%	2%	2%	4%	1%	-6%
1927	Wet	-4%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	4%
1928	Above Norma	0%	0%	0%	0%	0%	0%	0%	2%	1%	0%	-1%	22%
1929	Critical	4%	0%	0%	0%	0%	0%	0%	1%	1%	-24%	-6%	1%
1930	Dry	0%	0%	0%	0%	0%	0%	0%	0%	8%	69%	-17%	-7%
1931	Critical	26%	0%	42%	0%	-40%	0%	0%	0%	-21%	-7%	-1%	0%
1932	Dry	-1%	-15%	0%	0%	0%	0%	0%	0%	0%	1%	-2%	0%
1933	Critical	0%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-15%
1934	Critical	-3%	-8%	0%	0%	0%	0%	0%	0%	0%	0%	-2%	-14%
1935	Below Norma	0%	0%	0%	0%	0%	0%	0%	-1%	1%	6%	-3%	-13%
1936	Below Norma	0%	0%	1%	0%	0%	0%	0%	2%	0%	2%	3%	45%
1937	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	-4%	-5%	-5%	-1%
1938	Wet	0%	0%	11%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	0%	0%	1%	-10%	-7%	3%	14%	-14%
1940	Above Norma	2%	0%	0%	0%	0%	0%	0%	2%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	0%	0%	0%	0%	0%	5%	6%	0%	0%
1942	Wet	-7%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	2%	0%	2%	3%	1%
1944	Dry	2%	0%	5%	0%	-4%	-14%	-1%	0%	-2%	-10%	1%	32%
1945	Below Norma	0%	0%	0%	4%	0%	0%	0%	0%	1%	-2%	-3%	-31%
1946	Below Norma	1%	0%	0%	23%	2%	0%	0%	0%	3%	3%	9%	-2%
1947	Dry	0%	-32%	0%	-17%	0%	0%	0%	1%	60%	11%	8%	9%
1948	Below Norma	32%	-9%	0%	0%	-1%	0%	0%	0%	0%	-7%	3%	-24%
1949	Dry	-14%	0%	0%	0%	4%	0%	0%	2%	0%	-18%	-17%	-7%
1950	Below Norma	-1%	-23%	-23%	0%	0%	0%	0%	0%	4%	6%	-6%	9%
1951	Above Norma	13%	-3%	0%	0%	0%	2%	0%	0%	0%	-1%	4%	16%
1952	Wet	0%	0%	0%	-18%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1954	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	-7%
1955	Dry	0%	0%	0%	0%	4%	0%	0%	0%	2%	0%	-54%	94%
1956	Wet	20%	0%	11%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norma	0%	0%	0%	0%	0%	0%	2%	0%	2%	14%	-7%	76%
1958	Wet	0%	0%	0%	-47%	0%	0%	0%	0%	1%	0%	4%	3%
1959	Below Norma	0%	0%	0%	0%	0%	0%	-2%	0%	-6%	1%	12%	0%
1960	Dry	3%	0%	12%	0%	0%	0%	2%	0%	-9%	-3%	1%	5%
1961	Dry	20%	0%	0%	0%	0%	0%	0%	1%	4%	10%	143%	39%
1962	Below Norma	0%	32%	0%	0%	0%	0%	0%	0%	-41%	4%	-23%	38%
1963	Wet	0%	0%	0%	0%	-26%	0%	0%	1%	-2%	-13%	-17%	-2%
1964	Dry	-2%	0%	0%	0%	0%	0%	14%	-6%	6%	-6%	18%	8%
1965	Wet	7%	0%	1%	0%	0%	0%	0%	4%	23%	-10%	-9%	0%
1966	Below Norma	4%	0%	0%	0%	0%	0%	0%	0%	0%	1%	-15%	36%
1967	Wet	0%	0%	0%	3%	0%	0%	0%	0%	0%	0%	0%	0%
1968	Below Norma	0%	0%	0%	0%	0%	0%	1%	0%	2%	-10%	22%	0%
1969	Wet	8%	0%	0%	-5%	0%	0%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	0%	2%	0%	5%	0%	1%	3%
1971	Wet	0%	0%	0%	0%	1%	-5%	0%	0%	0%	0%	0%	0%
1972	Below Norma	0%	0%	0%	0%	-1%	3%	0%	0%	2%	0%	33%	1%
1973	Above Norma	3%	0%	0%	-14%	0%	0%	0%	0%	1%	1%	2%	0%
1974	Wet	0%	-2%	0%	0%	-2%	0%	0%	0%	0%	2%	0%	-2%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	22%	0%	4%	2%	95%	-12%	16%
1977	Critical	0%	0%	10%	0%	147%	0%	-10%	0%	0%	0%	9%	0%
1978	Above Norma	79%	-2%	0%	0%	0%	0%	-77%	0%	-39%	19%	37%	0%
1979	Below Norma	0%	0%	0%	-65%	-8%	0%	0%	0%	2%	3%	-12%	-3%
1980	Above Norma	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	0%	0%	0%	0%	3%	-15%	-20%	67%
1982	Wet	0%	0%	-3%	0%	0%	0%	0%	0%	1%	0%	0%	1%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-6%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-10%
1985	Dry	77%	0%	0%	0%	0%	-12%	8%	-1%	-19%	1%	0%	-1%
1986	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	23%	0%	0%
1987	Dry	0%	-12%	-7%	-12%	0%	0%	101%	-34%	21%	49%	-2%	23%
1988	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	-30%	-15%	0%
1989	Dry	3%	0%	0%	0%	0%	-40%	0%	0%	-6%	3%	-11%	67%
1990	Critical	0%	0%	5%	0%	0%	0%	0%	0%	0%	2%	1%	0%
1991	Critical	-2%	4%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1992	Critical	-1%	1%	0%	0%	0%	0%	0%	1%	0%	1%	6%	0%
1993	Above Norma	-9%	-12%	0%	0%	0%	-4%	0%	0%	0%	13%	25%	0%
1994	Critical	4%	0%	0%	-10%	-31%	2%	0%	0%	-27%	-1%	8%	46%
1995	Wet	-9%	12%	0%	0%	-4%	0%	0%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	0%	0%	0%	0%	0%	0%	5%	3%	-8%	0%
1997	Wet	4%	-10%	0%	0%	0%	-3%	0%	0%	12%	8%	0%	4%
1998	Wet	18%	0%	0%	-8%	0%	0%	0%	1%	-2%	0%	0%	4%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%
2000	Above Norma	0%	-1%	0%	0%	0%	0%	0%	0%	0%	2%	0%	12%
2001	Dry	0%	0%	-4%	0%	0%	0%	0%	2%	2%	3%	-28%	125%
2002	Dry	0%	0%	0%	0%	0%	0%	0%	0%	13%	-3%	-19%	108%
2003	Above Norma	0%	0%	0%	0%	20%	-50%	0%	-15%	11%	0%	0%	-11%
Average		3%	0%	1%	-2%	2%	-1%	0%	-1%	0%	3%	0%	11%
Wet		1%	0%	1%	-3%	-1%	0%	0%	0%	2%	1%	-1%	0%
Above Norma		8%	-1%	0%	-1%	2%	-4%	-6%	-1%	-2%	4%	5%	9%
Below Norma		3%	3%	-2%	-3%	7%	0%	-4%	-1%	-1%	0%	0%	7%
Dry		3%	-3%	0%	-2%	0%	-4%	7%	-3%	4%	6%	1%	38%
Critical		4%	0%	7%	-1%	5%	2%	-1%	-1%	-6%	4%	-1%	-1%

Energy generated (GWh) at Warne: CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	55.10	45.50	21.61	1.92	30.58	55.10	46.34	51.00	48.12	49.45	49.32	47.89	502
1923	Below Normal	41.72	38.86	37.10	46.82	48.83	55.10	53.33	55.10	53.33	55.10	48.95	42.99	577
1924	Critical	36.23	33.62	31.77	20.28	17.32	11.64	15.47	14.72	13.08	16.03	10.42	9.41	230
1925	Dry	0.55	0.46	0.14	49.50	43.00	0.24	25.10	26.30	28.42	33.55	26.71	23.64	258
1926	Dry	10.31	6.66	0.18	6.52	49.77	15.77	38.85	43.11	43.21	44.27	44.11	42.70	345
1927	Wet	36.60	34.02	32.23	20.76	47.08	55.10	51.22	50.92	48.04	49.38	49.25	47.79	522
1928	Above Normal	41.64	38.77	36.98	32.80	51.55	53.58	45.12	41.00	38.09	39.19	39.11	37.90	496
1929	Critical	31.70	29.35	27.47	19.22	14.93	10.92	24.73	25.97	25.39	31.36	19.79	18.02	279
1930	Dry	3.46	0.64	0.18	0.09	19.60	50.26	28.01	40.29	40.13	46.51	45.35	41.03	316
1931	Critical	27.66	24.49	11.36	7.10	5.14	7.38	24.52	25.41	24.69	30.63	19.26	17.51	225
1932	Dry	3.18	0.62	0.17	0.09	51.55	42.14	18.40	28.60	27.83	32.87	25.97	22.99	254
1933	Critical	9.69	6.07	0.11	5.50	25.78	47.97	20.14	30.81	29.98	35.10	33.92	30.54	276
1934	Critical	18.88	16.27	5.91	7.27	26.50	5.64	21.18	31.96	31.03	36.23	35.31	31.86	268
1935	Below Normal	19.99	17.40	6.64	5.47	4.96	55.10	36.76	55.10	53.33	55.10	55.10	53.33	418
1936	Below Normal	55.10	53.33	55.10	4.38	3.76	55.10	45.99	51.41	48.48	49.99	49.94	48.62	521
1937	Below Normal	42.80	39.94	41.02	5.22	3.74	55.10	45.04	47.67	47.56	48.93	48.80	47.34	473
1938	Wet	41.31	38.53	36.80	40.93	48.23	55.10	53.33	47.82	45.03	46.24	46.10	44.75	544
1939	Dry	38.54	35.81	41.39	42.21	38.64	44.16	41.92	41.05	38.25	39.33	39.24	38.03	479
1940	Above Normal	31.82	29.44	27.62	11.94	10.67	55.10	52.61	54.26	51.72	53.64	54.15	53.33	486
1941	Wet	48.65	46.94	48.79	34.03	45.53	55.10	53.33	55.10	52.02	55.10	55.10	51.92	602
1942	Wet	41.55	36.83	35.03	44.56	48.26	55.10	48.07	47.61	44.79	46.11	45.98	44.60	538
1943	Wet	38.41	35.69	33.84	44.97	48.36	55.10	35.71	37.86	37.74	38.97	38.88	37.73	483
1944	Dry	31.52	29.13	27.30	22.44	29.00	50.97	50.00	48.41	45.37	46.72	46.64	45.25	473
1945	Below Normal	39.12	36.39	34.63	23.28	31.99	40.59	49.44	48.58	45.71	47.03	46.85	45.44	489
1946	Below Normal	39.32	36.59	34.82	43.30	48.56	55.10	53.33	55.10	47.90	42.61	42.52	41.23	540
1947	Dry	34.99	32.48	30.62	22.95	18.30	28.04	34.92	42.82	39.86	40.89	40.83	39.59	406
1948	Below Normal	33.48	31.08	29.28	12.09	10.55	9.04	26.71	48.92	46.01	47.20	47.12	45.65	387
1949	Dry	39.57	36.89	35.11	18.59	14.50	10.69	31.19	33.67	33.06	38.37	37.37	33.79	363
1950	Below Normal	21.55	18.83	7.48	5.34	4.53	53.19	40.29	48.37	45.36	46.71	46.56	45.11	383
1951	Above Normal	39.05	36.37	34.69	40.27	48.17	55.10	48.20	47.73	44.88	46.08	45.99	44.65	531
1952	Wet	38.43	35.72	33.88	46.82	51.55	55.10	53.33	47.46	44.38	45.83	45.71	44.37	543
1953	Wet	43.92	41.17	55.10	41.89	32.52	55.10	39.58	47.09	44.17	45.61	45.43	44.13	536
1954	Above Normal	37.92	35.24	33.40	40.97	49.77	55.10	53.33	55.10	51.76	53.17	49.17	45.98	561
1955	Dry	39.81	37.03	35.20	23.22	25.24	17.79	27.29	30.03	29.11	34.05	30.92	27.67	357
1956	Wet	15.37	12.40	3.58	23.05	45.01	55.10	39.34	47.48	44.58	45.82	45.70	44.37	422
1957	Above Normal	38.19	35.53	33.74	41.29	49.77	55.10	51.74	38.69	36.04	36.97	36.85	35.73	490
1958	Wet	29.52	27.27	25.40	43.23	44.78	55.10	43.25	45.79	45.69	47.00	46.97	45.55	500
1959	Below Normal	39.39	36.59	48.38	42.32	45.16	29.21	41.90	40.92	38.22	39.33	39.15	37.95	479
1960	Dry	31.78	29.37	27.53	17.94	15.75	13.67	39.32	41.63	40.76	45.52	44.64	41.30	389
1961	Dry	30.23	27.16	17.67	11.96	29.00	49.38	29.78	40.86	40.18	45.30	44.39	40.81	407
1962	Below Normal	29.27	26.18	15.91	9.28	7.45	41.28	51.80	51.32	48.50	49.92	49.93	48.65	429
1963	Wet	42.86	40.01	38.29	39.76	49.77	55.10	53.33	55.10	49.63	49.40	48.56	46.77	569
1964	Dry	40.59	37.78	35.90	25.71	51.55	45.84	36.16	36.46	34.43	37.10	36.70	34.69	453
1965	Wet	26.55	24.05	19.05	32.98	49.39	47.93	31.90	33.86	33.82	34.94	34.88	33.76	403
1966	Below Normal	27.61	25.40	23.45	41.29	48.68	55.10	46.77	46.14	43.27	44.42	44.40	43.04	490
1967	Wet	36.86	34.21	32.35	28.07	44.23	55.10	52.43	46.67	46.59	48.02	47.91	46.46	519
1968	Below Normal	40.26	48.89	55.10	41.93	46.22	55.10	34.23	42.06	39.36	40.44	40.25	39.05	523
1969	Wet	32.84	30.40	28.54	26.25	44.23	55.10	52.76	46.71	46.62	47.99	47.86	46.44	506
1970	Wet	40.20	37.41	55.10	41.99	44.44	55.10	39.19	47.49	44.66	45.92	45.74	44.37	542
1971	Wet	38.17	35.46	33.65	45.14	48.47	55.10	53.33	55.10	53.08	55.10	46.71	52.92	572
1972	Below Normal	41.76	37.14	34.84	29.32	50.93	49.34	33.57	35.01	34.03	38.70	37.86	34.66	457
1973	Above Normal	23.55	20.90	11.28	55.10	49.77	55.10	37.54	45.66	42.88	43.94	43.82	42.50	472
1974	Wet	36.32	33.68	31.87	45.66	48.83	55.10	47.95	47.51	44.75	45.90	45.78	44.44	528
1975	Wet	38.23	35.49	33.64	44.61	49.77	55.10	47.91	48.44	45.64	46.80	46.69	45.34	538
1976	Critical	39.11	36.36	34.55	43.19	51.55	55.10	48.20	35.31	32.51	33.46	33.29	32.27	475
1977	Critical	26.10	23.96	22.13	15.88	13.90	10.20	13.15	11.76	10.13	12.22	8.09	7.24	175
1978	Above Normal	0.59	0.41	0.28	40.34	49.77	55.10	47.71	50.54	50.71	52.59	52.88	51.90	453
1979	Below Normal	46.84	44.54	44.70	15.72	42.62	46.94	46.50	46.04	43.22	44.31	44.19	42.89	509
1980	Above Normal	36.72	34.07	32.33	37.65	51.55	55.10	46.47	40.04	40.00	41.30	41.17	39.92	496
1981	Dry	33.77	31.25	29.43	40.75	49.77	55.10	43.32	42.60	39.97	40.94	40.80	39.56	487
1982	Wet	33.33	30.88	29.07	44.26	48.82	55.10	53.33	47.53	44.62	45.90	45.75	44.37	523
1983	Wet	38.18	35.45	55.10	41.89	44.45	55.10	41.99	44.55	44.52	45.71	45.73	44.39	537
1984	Wet	43.91	41.17	55.10	41.89	46.22	55.10	39.11	47.43	44.47	45.86	45.72	44.39	550
1985	Dry	38.12	35.45	33.62	41.26	49.77	55.10	53.33	45.86	41.97	43.07	44.29	45.15	527
1986	Wet	39.09	36.45	34.68	18.95	24.50	55.10	35.56	37.26	37.31	38.30	38.28	37.02	432
1987	Dry	30.90	28.60	26.76	33.53	45.09	44.89	38.97	37.96	35.14	35.99	36.04	34.92	429
1988	Critical	28.79	26.52	24.65	18.21	20.00	10.80	22.30	22.79	21.94	27.17	17.17	15.64	256
1989	Dry	2.29	0.59	0.16	0.09	0.11	22.69	44.34	52.52	49.69	51.39	51.62	50.58	326
1990	Critical	45.34	42.91	42.40	4.68	3.94	6.88	22.48	22.91	22.11	27.28	17.24	15.71	274
1991	Critical	2.33	0.59	0.11	0.09	0.12	2.91	20.50	20.78	19.80	24.46	15.52	14.16	121
1992	Critical	1.57	0.55	0.17	0.09	0.12	16.25	19.80	30.22	29.28	34.40	29.06	25.83	187
1993	Above Normal	12.81	9.35	1.58	6.05	37.27	55.10	45.21	50.08	47.13	48.38	48.33	46.90	408
1994	Critical	40.77	37.96	36.17	34.79	43.96	44.86	32.53	33.41	31.85	35.36	34.78	32.33	439
1995	Wet	22.89	20.47	13.46	11.17	44.33	55.10	51.84	47.17	47.07	48.41	48.39	46.94	457
1996	Wet	40.81	38.00	55.10	41.92	46.24	55.10	38.07	41.85	41.75	42.96	42.85	41.55	526
1997	Wet	35.34	32.79	30.97	45.44	48.83	55.10	35.90	34.96	32.05	33.04	32.98	31.96	449
1998	Wet	25.73	23.65	21.74	38.08	48.03	55.10	50.93	44.75	44.69	46.14	46.09	44.70	490
1999	Wet	38.47	47.23	55.10	41.89	45.00	55.10	36.45	44.46	41.55	42.94	42.89	41.58	533
2000	Above Normal	35.35	32.81	30.92	24.64	51.55	55.10	50.62	50.28	47.33	48.83	48.78	47.31	524
2001	Dry	41.10	38.29	36.43	22.51	18.74	55.10	23.79	35.32	34.68	40.61	39.63	35.77	422
2002	Dry	23.13	20.31	8.36	3.69	29.76	13.21	39.27	38.68	35.93	37.52	37.41	36.02	323
2003	Above Normal	29.42	27.14	24.59	28.94	47.58	39.65	44.29	52.27	49.32	51.11	55.10	53.33	503

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Energy generated (GWh) at Warne: CP3_2020

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	55.10	45.50	21.61	4.21	31.58	55.10	45.63	50.63	47.75	49.06	48.93	47.51	503
1923	Below Normal	41.30	38.47	36.70	46.82	48.83	55.10	53.33	55.10	53.33	55.10	54.09	46.72	585
1924	Critical	38.00	34.96	33.12	20.78	17.66	11.80	15.62	14.89	13.28	16.27	10.56	9.54	236
1925	Dry	0.55	0.46	0.14	31.60	43.01	0.24	26.95	27.22	29.30	34.30	30.20	26.95	251
1926	Dry	14.37	11.23	2.80	7.12	49.77	25.46	36.84	45.23	42.47	43.52	43.36	41.99	364
1927	Wet	35.88	33.32	31.53	21.02	48.82	55.10	51.07	50.77	47.90	49.22	49.09	47.64	521
1928	Above Normal	41.48	38.62	36.82	40.08	51.55	55.10	48.38	40.31	37.41	38.50	38.42	37.23	504
1929	Critical	31.03	28.71	26.82	19.45	15.03	10.97	25.06	26.36	25.82	31.90	20.12	18.32	280
1930	Dry	3.60	0.64	0.18	0.09	15.38	50.55	30.54	40.82	39.63	43.93	43.20	40.15	309
1931	Critical	29.87	26.94	18.59	11.45	8.99	8.80	23.16	23.79	22.91	28.43	17.92	16.27	237
1932	Dry	2.57	0.60	0.17	0.09	51.55	41.17	17.96	28.04	27.31	32.46	24.21	21.37	248
1933	Critical	7.70	3.83	0.11	4.24	31.10	47.22	19.75	30.23	29.41	34.58	31.50	28.18	268
1934	Critical	15.98	13.00	3.87	7.14	31.01	5.46	21.04	31.79	30.85	36.01	35.10	31.67	263
1935	Below Normal	19.84	17.26	6.55	5.48	4.97	55.10	36.73	55.10	53.33	55.10	55.10	53.33	418
1936	Below Normal	55.10	53.33	55.10	4.07	3.76	55.10	47.51	52.21	49.35	51.06	51.15	49.98	528
1937	Below Normal	44.47	41.66	45.94	5.72	3.75	55.10	43.67	46.26	46.17	47.51	47.38	45.92	474
1938	Wet	39.80	37.08	35.32	41.44	48.08	55.10	53.33	46.38	44.97	46.18	46.04	44.69	538
1939	Dry	38.48	35.76	41.18	42.19	39.06	44.63	41.89	41.02	38.23	39.30	39.21	38.00	479
1940	Above Normal	31.79	29.41	27.59	11.61	10.83	55.10	52.83	54.27	51.73	53.65	54.17	53.33	486
1941	Wet	48.67	46.97	48.83	40.36	47.19	55.10	53.33	55.10	53.33	55.10	55.10	50.08	609
1942	Wet	40.46	36.12	34.32	44.74	48.31	55.10	48.05	47.59	44.77	46.09	45.96	44.58	536
1943	Wet	38.39	35.67	33.82	45.14	48.40	55.10	36.06	38.22	38.10	39.35	39.25	38.10	486
1944	Dry	31.88	29.48	27.65	22.62	42.57	51.94	48.23	46.50	43.49	44.80	44.72	43.39	477
1945	Below Normal	37.24	34.58	32.80	22.97	37.27	33.47	49.19	48.71	45.84	47.17	46.98	45.57	482
1946	Below Normal	39.45	36.72	34.94	43.73	48.65	55.10	53.33	55.10	48.51	42.52	42.42	41.14	542
1947	Dry	34.90	32.39	30.53	23.04	18.19	38.01	37.23	45.23	42.25	43.33	43.28	41.97	430
1948	Below Normal	35.87	33.35	31.56	12.04	11.07	9.20	24.52	47.94	45.05	46.21	46.13	44.68	388
1949	Dry	38.61	35.97	34.19	18.02	14.22	10.57	29.28	31.33	30.58	35.54	33.83	30.51	343
1950	Below Normal	18.49	15.77	5.60	5.00	4.43	48.94	40.91	49.03	46.02	47.38	47.23	45.77	375
1951	Above Normal	39.70	36.98	35.31	40.91	48.21	55.10	48.19	47.72	44.87	46.06	45.98	44.64	534
1952	Wet	38.41	35.70	33.86	46.82	51.55	55.10	53.33	47.46	44.38	45.83	45.71	44.37	543
1953	Wet	43.92	41.17	55.10	41.89	32.52	55.10	39.95	47.20	44.27	45.72	45.53	44.24	537
1954	Above Normal	38.03	35.34	33.50	41.63	49.77	55.10	53.33	55.10	52.03	52.20	48.76	45.84	561
1955	Dry	39.67	36.90	35.07	23.40	25.26	18.63	28.07	31.31	30.42	35.40	34.60	31.22	370
1956	Wet	19.48	16.93	6.40	23.07	44.63	55.10	39.33	47.45	44.54	45.78	45.66	44.33	433
1957	Above Normal	38.16	35.51	33.73	41.80	49.77	55.10	53.33	40.45	36.80	37.75	37.63	36.49	497
1958	Wet	30.28	27.99	26.13	43.15	46.69	55.10	43.25	45.80	45.70	47.01	46.97	45.55	504
1959	Below Normal	39.40	36.60	47.31	42.30	45.75	29.79	42.30	41.34	38.64	39.75	39.57	38.36	481
1960	Dry	32.20	29.77	27.93	17.82	15.88	13.90	43.13	42.39	39.72	40.68	40.52	39.25	383
1961	Dry	33.15	30.79	28.98	17.60	13.46	51.83	31.74	41.36	39.82	43.18	42.62	40.05	415
1962	Below Normal	30.96	28.13	21.62	11.50	10.26	27.19	41.05	49.07	46.21	47.44	47.34	45.90	407
1963	Wet	39.81	37.11	35.39	37.67	49.77	55.10	53.33	54.17	48.00	47.98	47.73	46.35	552
1964	Dry	40.16	37.37	35.48	39.50	51.55	55.10	44.86	35.21	32.81	35.61	35.50	34.36	478
1965	Wet	28.28	26.08	24.30	37.40	49.77	48.57	32.75	34.75	34.70	35.84	35.78	34.64	423
1966	Below Normal	28.49	26.23	24.30	41.35	48.60	55.10	46.99	46.37	43.50	44.65	44.63	43.27	493
1967	Wet	37.08	34.42	32.56	33.94	45.66	55.10	51.76	45.97	45.90	47.31	47.20	45.78	523
1968	Below Normal	39.57	48.23	55.10	41.92	46.22	55.10	34.59	42.44	39.74	40.82	40.63	39.42	524
1969	Wet	33.22	30.76	28.89	31.63	45.53	55.10	52.17	46.09	46.00	47.36	47.24	45.83	510
1970	Wet	39.59	36.83	55.10	41.98	44.45	55.10	39.28	47.59	44.76	46.02	45.84	44.46	541
1971	Wet	38.27	35.55	33.74	45.16	48.46	55.10	53.33	55.10	53.12	55.10	53.32	49.97	576
1972	Below Normal	40.57	36.33	34.48	38.90	51.55	55.10	37.08	33.82	32.07	35.06	34.55	32.35	462
1973	Above Normal	23.53	21.14	15.05	50.49	45.05	55.10	37.68	45.82	43.03	44.10	43.98	42.65	468
1974	Wet	36.47	33.83	32.02	45.74	48.83	55.10	47.92	47.48	44.71	45.87	45.74	44.41	528
1975	Wet	38.20	35.45	33.61	44.72	49.77	55.10	48.30	48.40	45.60	46.75	46.65	45.30	538
1976	Critical	39.07	36.32	34.51	43.41	51.55	55.10	50.35	37.06	34.25	35.23	35.06	34.00	486
1977	Critical	27.84	25.61	23.78	15.98	14.42	10.32	11.14	9.50	7.65	9.16	6.23	5.52	167
1978	Above Normal	0.58	0.37	0.28	48.15	44.37	55.10	48.14	52.27	52.59	54.89	55.10	53.33	465
1979	Below Normal	51.34	49.95	53.09	10.68	39.19	44.77	46.68	46.22	43.41	44.50	44.38	43.07	517
1980	Above Normal	36.90	34.25	32.50	38.74	51.55	55.10	46.71	40.28	40.24	41.54	41.42	40.16	499
1981	Dry	34.01	31.48	29.66	41.07	49.77	55.10	43.69	42.98	40.35	41.33	41.20	39.94	491
1982	Wet	33.71	31.24	29.44	44.44	48.82	55.10	53.33	47.53	44.62	45.90	45.75	44.37	524
1983	Wet	38.18	35.45	55.10	41.89	44.45	55.10	41.99	44.55	44.52	45.71	45.73	44.39	537
1984	Wet	43.91	41.17	55.10	41.89	46.22	55.10	39.11	47.43	44.47	45.86	45.72	44.39	550
1985	Dry	38.12	35.45	33.62	41.27	49.77	55.10	53.33	43.28	40.56	41.62	42.15	42.91	517
1986	Wet	36.83	34.28	32.48	18.86	30.28	55.10	36.48	38.67	38.71	39.73	39.72	38.42	440
1987	Dry	32.30	29.93	28.10	34.96	44.31	38.72	38.26	37.22	34.40	35.23	35.28	34.17	423
1988	Critical	28.05	25.82	23.96	17.25	15.99	10.62	21.09	21.34	20.35	25.21	15.97	14.53	240
1989	Dry	1.75	0.56	0.16	0.09	0.11	23.24	44.80	53.03	50.26	52.08	52.40	51.46	330
1990	Critical	46.42	44.28	44.63	10.32	9.20	8.86	22.60	23.05	22.27	27.48	17.36	15.81	292
1991	Critical	2.38	0.59	0.11	0.09	0.12	2.41	21.56	22.03	21.18	26.16	16.56	15.12	128
1992	Critical	2.04	0.57	0.17	0.09	0.12	3.45	27.91	29.53	28.64	33.84	26.75	23.65	177
1993	Above Normal	10.17	6.39	0.15	5.82	37.21	55.10	45.15	50.10	47.16	48.41	48.36	46.93	401
1994	Critical	40.79	37.97	36.17	34.44	44.02	45.86	35.30	34.19	22.97	35.88	35.77	34.65	438
1995	Wet	28.41	26.18	24.23	15.10	44.17	55.10	53.33	55.10	48.86	51.54	49.81	47.63	499
1996	Wet	41.25	38.39	36.63	45.42	51.55	55.10	37.10	43.39	42.00	43.21	43.11	41.79	519
1997	Wet	35.58	33.02	31.21	45.50	48.83	55.10	37.15	36.27	33.35	34.36	34.31	33.25	458
1998	Wet	27.02	24.88	22.98	38.29	47.94	55.10	50.97	44.79	44.73	46.18	46.13	44.74	494
1999	Wet	38.51	47.27	55.10	41.89	44.98	55.10	36.57	44.59	41.68	43.07	43.02	41.70	533
2000	Above Normal	35.47	32.93	31.04	32.97	51.55	55.10	53.33	55.10	51.04	52.26	49.23	46.43	546
2001	Dry	40.16	37.40	35.54	22.55	18.31	55.10	24.21	35.83	35.22	41.24	40.25	36.33	422
2002	Dry	23.59	20.73	8.61	3.71	32.81	13.16	40.81	40.00	37.08	38.35	38.30	37.06	334
2003	Above Normal	30.89	28.63	26.75	34.15	47.84	46.61	41.86	51.39	48.40	50.40	54.44	53.33	515

Difference in Energy generated (GWh) at Warne: CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	2	1	0	-1	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	0	0	0	5	4	1
1924	Critical	2	1	1	0	0	0	0	0	0	0	0	0	1
1925	Dry	0	0	0	-18	0	0	2	1	1	1	3	3	-1
1926	Dry	4	5	3	1	0	10	-2	2	-1	-1	-1	-1	2
1927	Wet	-1	-1	-1	0	2	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	7	0	2	3	-1	-1	-1	-1	-1	1
1929	Critical	-1	-1	-1	0	0	0	0	0	0	1	0	0	0
1930	Dry	0	0	0	0	-4	0	3	1	0	-3	-2	-1	-1
1931	Critical	2	2	7	4	4	1	-1	-2	-2	-2	-1	-1	1
1932	Dry	-1	0	0	0	0	-1	0	-1	-1	0	-2	-2	-1
1933	Critical	-2	-2	0	-1	5	-1	0	-1	-1	-1	-2	-2	-1
1934	Critical	-3	-3	-2	0	5	0	0	0	0	0	0	0	0
1935	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	2	1	1	1	1	1	1
1937	Below Norma	2	2	5	1	0	0	-1	-1	-1	-1	-1	-1	0
1938	Wet	-2	-1	-1	1	0	0	0	-1	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1940	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	6	2	0	0	0	1	0	0	-2	1
1942	Wet	-1	-1	-1	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	14	1	-2	-2	-2	-2	-2	-2	0
1945	Below Norma	-2	-2	-2	0	5	-7	0	0	0	0	0	0	-1
1946	Below Norma	0	0	0	0	0	0	0	0	1	0	0	0	0
1947	Dry	0	0	0	0	0	10	2	2	2	2	2	2	2
1948	Below Norma	2	2	2	0	1	0	-2	-1	-1	-1	-1	-1	0
1949	Dry	-1	-1	-1	-1	0	0	-2	-2	-2	-3	-4	-3	-2
1950	Below Norma	-3	-3	-2	0	0	-4	1	1	1	1	1	1	-1
1951	Above Norma	1	1	1	1	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	1	0	0	0	0	0	-1	0	0	0
1955	Dry	0	0	0	0	0	1	1	1	1	1	4	4	1
1956	Wet	4	5	3	0	0	0	0	0	0	0	0	0	1
1957	Above Norma	0	0	0	1	0	0	2	2	1	1	1	1	1
1958	Wet	1	1	1	0	2	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	-1	0	1	1	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	4	1	-1	-5	-4	-2	-1
1961	Dry	3	4	11	6	-16	2	2	0	0	-2	-2	-1	1
1962	Below Norma	2	2	6	2	3	-14	-11	-2	-2	-2	-3	-3	-2
1963	Wet	-3	-3	-3	-2	0	0	0	-1	-2	-1	-1	0	-1
1964	Dry	0	0	0	14	0	9	9	-1	-2	-1	-1	0	2
1965	Wet	2	2	5	4	0	1	1	1	1	1	1	1	2
1966	Below Norma	1	1	1	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	6	1	0	-1	-1	-1	-1	-1	-1	0
1968	Below Norma	-1	-1	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	5	1	0	-1	-1	-1	-1	-1	-1	0
1970	Wet	-1	-1	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	7	-3	0
1972	Below Norma	-1	-1	0	10	1	6	4	-1	-2	-4	-3	-2	0
1973	Above Norma	0	0	4	-5	-5	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	2	2	2	2	2	2	1
1977	Critical	2	2	2	0	1	0	-2	-2	-2	-3	-2	-2	-1
1978	Above Norma	0	0	0	8	-5	0	0	2	2	2	2	1	1
1979	Below Norma	5	5	8	-5	-3	-2	0	0	0	0	0	0	1
1980	Above Norma	0	0	0	1	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	-3	-1	-1	-2	-2	-1
1986	Wet	-2	-2	-2	0	6	0	1	1	1	1	1	1	1
1987	Dry	1	1	1	1	-1	-6	-1	-1	-1	-1	-1	-1	0
1988	Critical	-1	-1	-1	-1	-4	0	-1	-1	-2	-2	-1	-1	-1
1989	Dry	-1	0	0	0	0	1	0	1	1	1	1	1	0
1990	Critical	1	1	2	6	5	2	0	0	0	0	0	0	2
1991	Critical	0	0	0	0	0	0	1	1	1	2	1	1	1
1992	Critical	0	0	0	0	0	-13	8	-1	-1	-1	-2	-2	-1
1993	Above Norma	-3	-3	-1	0	0	0	0	0	0	0	0	0	-1
1994	Critical	0	0	0	0	0	1	3	1	-9	1	1	2	0
1995	Wet	6	6	11	4	0	0	1	8	2	3	1	1	4
1996	Wet	0	0	-18	3	5	0	-1	2	0	0	0	0	-1
1997	Wet	0	0	0	0	0	0	1	1	1	1	1	1	1
1998	Wet	1	1	1	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	8	0	0	3	5	4	3	0	-1	2
2001	Dry	-1	-1	-1	0	0	0	0	1	1	1	1	1	0
2002	Dry	0	0	0	0	3	0	2	1	1	1	1	1	1
2003	Above Norma	1	1	2	5	0	7	-2	-1	-1	-1	-1	0	1
Average		0	0	0	1	0	0	0	0	0	0	0	0	0
Wet		0	0	0	1	1	0	0	0	0	0	0	0	0
Above Norma		0	0	0	2	-1	1	0	1	0	0	0	0	0
Below Norma		0	0	1	0	0	-2	-1	0	0	0	0	0	0
Dry		0	0	1	0	0	2	1	0	0	-1	0	0	0
Critical		0	0	1	1	1	-1	1	0	-1	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy generated (GWh) at Warne: CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norm	0%	0%	0%	119%	3%	0%	-2%	-1%	-1%	-1%	-1%	-1%
1923	Below Norm	-1%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%	10%	9%
1924	Critical	5%	4%	4%	2%	2%	1%	1%	1%	1%	1%	1%	1%
1925	Dry	0%	1%	0%	-36%	0%	0%	7%	3%	3%	2%	13%	14%
1926	Dry	39%	69%	1486%	9%	0%	61%	-5%	5%	-2%	-2%	-2%	-2%
1927	Wet	-2%	-2%	-2%	1%	4%	0%	0%	0%	0%	0%	0%	0%
1928	Above Norm	0%	0%	0%	22%	0%	3%	7%	-2%	-2%	-2%	-2%	-2%
1929	Critical	-2%	-2%	-2%	1%	1%	0%	1%	2%	2%	2%	2%	2%
1930	Dry	4%	1%	0%	0%	-22%	1%	9%	1%	-1%	-6%	-5%	-2%
1931	Critical	8%	10%	64%	61%	75%	19%	-6%	-6%	-7%	-7%	-7%	-7%
1932	Dry	-19%	-4%	0%	0%	0%	-2%	-2%	-2%	-2%	-1%	-7%	-7%
1933	Critical	-20%	-37%	0%	-23%	21%	-2%	-2%	-2%	-2%	-1%	-7%	-8%
1934	Critical	-15%	-20%	-35%	-2%	17%	-3%	-1%	-1%	-1%	-1%	-1%	-1%
1935	Below Norm	-1%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1936	Below Norm	0%	0%	0%	-7%	0%	0%	3%	2%	2%	2%	2%	3%
1937	Below Norm	4%	4%	12%	10%	0%	0%	-3%	-3%	-3%	-3%	-3%	-3%
1938	Wet	-4%	-4%	-4%	1%	0%	0%	0%	-3%	0%	0%	0%	0%
1939	Dry	0%	0%	-1%	0%	1%	1%	0%	0%	0%	0%	0%	0%
1940	Above Norm	0%	0%	0%	-3%	1%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	19%	4%	0%	0%	0%	3%	0%	0%	-4%
1942	Wet	-3%	-2%	-2%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%
1944	Dry	1%	1%	1%	1%	47%	2%	-4%	-4%	-4%	-4%	-4%	-4%
1945	Below Norm	-5%	-5%	-5%	-1%	17%	-18%	-1%	0%	0%	0%	0%	0%
1946	Below Norm	0%	0%	0%	1%	0%	0%	0%	0%	1%	0%	0%	0%
1947	Dry	0%	0%	0%	0%	-1%	36%	7%	6%	6%	6%	6%	6%
1948	Below Norm	7%	7%	8%	0%	5%	2%	-8%	-2%	-2%	-2%	-2%	-2%
1949	Dry	-2%	-2%	-3%	-3%	-2%	-1%	-6%	-7%	-8%	-7%	-9%	-10%
1950	Below Norm	-14%	-16%	-25%	-6%	-2%	-8%	2%	1%	1%	1%	1%	1%
1951	Above Norm	2%	2%	2%	2%	0%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%
1954	Above Norm	0%	0%	0%	2%	0%	0%	0%	0%	1%	-2%	-1%	0%
1955	Dry	0%	0%	0%	1%	0%	5%	3%	4%	4%	4%	12%	13%
1956	Wet	27%	37%	79%	0%	-1%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norm	0%	0%	0%	1%	0%	0%	3%	5%	2%	2%	2%	2%
1958	Wet	3%	3%	3%	0%	4%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norm	0%	0%	-2%	0%	1%	2%	1%	1%	1%	1%	1%	1%
1960	Dry	1%	1%	1%	-1%	1%	2%	10%	2%	-3%	-11%	-9%	-5%
1961	Dry	10%	13%	64%	47%	-54%	5%	7%	1%	-1%	-5%	-4%	-2%
1962	Below Norm	6%	7%	36%	24%	38%	-34%	-21%	-4%	-5%	-5%	-5%	-6%
1963	Wet	-7%	-7%	-8%	-5%	0%	0%	-2%	-2%	-3%	-3%	-2%	-1%
1964	Dry	-1%	-1%	-1%	54%	0%	20%	-24%	-3%	-5%	-4%	-3%	-1%
1965	Wet	7%	8%	28%	13%	1%	1%	3%	3%	3%	3%	3%	3%
1966	Below Norm	3%	3%	4%	0%	0%	0%	0%	0%	1%	1%	1%	1%
1967	Wet	1%	1%	1%	21%	3%	0%	-1%	-1%	-1%	-1%	-1%	-1%
1968	Below Norm	-2%	-1%	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%
1969	Wet	1%	1%	1%	20%	3%	0%	-1%	-1%	-1%	-1%	-1%	-1%
1970	Wet	-2%	-2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	14%	-6%
1972	Below Norm	-3%	-2%	-1%	33%	1%	12%	10%	-3%	-6%	-9%	-9%	-7%
1973	Above Norm	0%	1%	33%	-8%	-9%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	1%	0%	0%	4%	5%	5%	5%	5%	5%
1977	Critical	7%	7%	7%	1%	4%	1%	-15%	-19%	-24%	-25%	-23%	-24%
1978	Above Norm	-2%	-9%	0%	19%	-11%	0%	1%	3%	4%	4%	4%	3%
1979	Below Norm	10%	12%	19%	-32%	-8%	-5%	0%	0%	0%	0%	0%	0%
1980	Above Norm	0%	1%	1%	3%	0%	0%	0%	1%	1%	1%	1%	1%
1981	Dry	1%	1%	1%	1%	0%	0%	1%	1%	1%	1%	1%	1%
1982	Wet	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	0%	-6%	-3%	-3%	-5%	-5%
1986	Wet	-6%	-6%	-6%	0%	24%	0%	3%	4%	4%	4%	4%	4%
1987	Dry	5%	5%	5%	4%	-2%	-14%	-2%	-2%	-2%	-2%	-2%	-2%
1988	Critical	-3%	-3%	-3%	-5%	-20%	-2%	-5%	-6%	-7%	-7%	-7%	-7%
1989	Dry	-24%	-4%	0%	0%	0%	2%	1%	1%	1%	2%	2%	2%
1990	Critical	2%	3%	5%	120%	134%	29%	1%	1%	1%	1%	1%	1%
1991	Critical	2%	0%	0%	0%	0%	-17%	5%	6%	7%	7%	7%	7%
1992	Critical	30%	3%	0%	0%	0%	-79%	41%	-2%	-2%	-2%	-8%	-8%
1993	Above Norm	-21%	-32%	-91%	-4%	0%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	-1%	0%	2%	9%	2%	-28%	1%	3%	7%
1995	Wet	24%	28%	80%	35%	0%	0%	3%	17%	4%	6%	3%	1%
1996	Wet	1%	1%	-34%	8%	11%	0%	-3%	4%	1%	1%	1%	1%
1997	Wet	1%	1%	1%	0%	0%	0%	3%	4%	4%	4%	4%	4%
1998	Wet	5%	5%	6%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norm	0%	0%	0%	34%	0%	0%	5%	10%	8%	7%	1%	-2%
2001	Dry	-2%	-2%	-2%	0%	-2%	0%	2%	1%	2%	2%	2%	2%
2002	Dry	2%	2%	3%	1%	10%	0%	4%	3%	3%	2%	2%	3%
2003	Above Norm	5%	5%	9%	18%	1%	18%	-5%	-2%	-2%	-1%	-1%	0%
Average		1%	1%	21%	7%	4%	0%	1%	0%	-1%	-1%	0%	0%
Wet		2%	2%	6%	4%	2%	0%	0%	1%	0%	0%	1%	0%
Above Norm		-1%	-3%	-4%	17%	-1%	2%	1%	1%	1%	0%	0%	0%
Below Norm		0%	1%	3%	1%	4%	-3%	-1%	0%	-1%	-1%	0%	0%
Dry		1%	4%	86%	4%	-1%	7%	3%	0%	-1%	-1%	-1%	0%
Critical		1%	-3%	3%	13%	19%	-4%	3%	-2%	-5%	-2%	-3%	-3%

Energy Use (GWh) At Pumping Plant at Badger Hill: CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	1.87	1.36	1.32	0.45	1.01	2.49	2.83	3.53	4.35	4.50	3.90	2.91	31
1923	Below Normal	1.98	1.70	1.39	1.41	1.37	2.18	2.56	3.24	4.01	4.15	3.58	2.66	30
1924	Critical	1.80	1.53	1.25	0.14	0.13	0.22	0.41	0.48	1.03	1.08	0.99	0.42	9
1925	Dry	0.23	0.21	0.30	0.35	0.36	0.48	1.23	1.63	2.43	2.57	2.32	1.42	14
1926	Dry	0.70	0.56	0.66	0.23	0.64	1.32	1.77	3.05	3.76	3.88	3.36	2.51	22
1927	Wet	1.71	1.47	1.20	0.39	1.23	2.49	2.83	3.53	4.36	4.51	3.90	2.92	31
1928	Above Normal	1.99	1.70	1.39	0.73	1.10	1.54	2.25	2.81	3.48	3.60	3.11	2.32	26
1929	Critical	1.57	1.34	1.10	0.22	0.22	0.38	0.86	1.02	2.15	2.26	2.07	0.89	14
1930	Dry	0.48	0.44	0.64	0.18	0.63	0.81	1.52	2.85	3.43	3.63	3.23	2.46	20
1931	Critical	1.16	0.86	0.83	0.17	0.24	0.36	0.84	0.99	2.09	2.19	2.01	0.87	13
1932	Dry	0.47	0.43	0.63	0.21	0.60	0.70	1.00	1.57	2.38	2.51	2.27	1.37	14
1933	Critical	0.66	0.53	0.62	0.20	0.56	0.70	1.11	2.08	2.52	2.67	2.38	1.80	16
1934	Critical	0.84	0.61	0.60	0.23	0.48	0.50	1.16	2.18	2.62	2.78	2.47	1.89	16
1935	Below Normal	0.87	0.64	0.62	0.13	0.34	0.76	2.16	3.96	4.87	5.03	4.36	3.28	27
1936	Below Normal	2.25	1.94	1.60	0.09	0.24	2.38	2.80	3.49	4.29	4.43	3.85	2.89	30
1937	Below Normal	1.98	1.70	1.40	0.14	0.25	1.35	2.70	3.36	4.13	4.27	3.70	2.78	28
1938	Wet	1.91	1.64	1.35	1.20	1.37	2.39	2.92	3.40	4.21	4.35	3.77	2.80	31
1939	Dry	1.90	1.62	1.32	1.53	1.25	1.88	2.31	2.89	3.58	3.71	3.20	2.38	28
1940	Above Normal	1.60	1.37	1.11	0.09	0.23	2.42	2.96	3.68	4.52	4.68	4.06	3.05	30
1941	Wet	2.09	1.80	1.48	0.78	1.40	2.23	2.76	3.45	4.26	4.41	3.81	2.84	31
1942	Wet	1.93	1.65	1.34	1.27	1.57	2.39	2.71	3.39	4.20	4.35	3.76	2.79	31
1943	Wet	1.89	1.61	1.31	1.50	1.57	2.14	2.50	2.88	3.57	3.69	3.19	2.37	28
1944	Dry	1.59	1.36	1.10	0.40	0.63	1.94	2.60	3.24	4.00	4.13	3.58	2.68	27
1945	Below Normal	1.83	1.57	1.28	0.34	0.37	1.84	2.60	3.24	3.99	4.13	3.58	2.68	27
1946	Below Normal	1.83	1.57	1.29	1.35	1.37	1.96	2.51	3.14	3.89	4.02	3.48	2.58	29
1947	Dry	1.74	1.49	1.21	0.29	0.27	0.51	2.21	2.75	3.39	3.50	3.03	2.27	23
1948	Below Normal	1.55	1.33	1.10	0.10	0.14	0.20	0.99	3.28	4.03	4.17	3.62	2.72	23
1949	Dry	1.87	1.61	1.33	0.21	0.20	0.29	1.24	2.31	2.78	2.95	2.63	2.00	19
1950	Below Normal	0.94	0.70	0.67	0.12	0.27	0.87	2.55	3.16	3.89	4.02	3.49	2.62	23
1951	Above Normal	1.80	1.54	1.27	1.25	1.58	2.39	2.71	3.40	4.20	4.35	3.76	2.80	31
1952	Wet	1.89	1.61	1.31	1.41	1.37	2.38	2.90	3.58	4.18	4.33	3.74	2.78	31
1953	Wet	1.88	1.80	1.50	1.61	1.37	2.11	2.68	3.35	4.15	4.29	3.71	2.76	31
1954	Above Normal	1.87	1.59	1.30	1.07	1.19	1.98	2.78	3.47	4.29	4.43	3.84	2.86	31
1955	Dry	1.94	1.66	1.35	0.26	0.38	0.49	1.01	1.90	2.48	2.62	2.35	1.65	18
1956	Wet	0.78	0.59	0.61	1.26	1.58	2.39	2.71	3.39	4.20	4.35	3.76	2.79	28
1957	Above Normal	1.89	1.61	1.31	1.07	1.13	1.63	2.16	2.70	3.34	3.45	2.99	2.22	26
1958	Wet	1.50	1.28	1.04	1.23	1.48	2.31	2.96	3.44	4.26	4.41	3.81	2.84	31
1959	Below Normal	1.93	1.65	1.34	1.49	1.41	1.99	2.30	2.88	3.57	3.70	3.20	2.37	28
1960	Dry	1.60	1.37	1.11	0.10	0.12	0.47	1.81	2.85	3.45	3.62	3.20	2.43	22
1961	Dry	1.33	1.06	0.95	0.24	0.51	0.74	1.72	2.82	3.41	3.59	3.18	2.41	22
1962	Below Normal	1.27	0.99	0.90	0.14	0.15	1.70	2.80	3.48	4.28	4.42	3.84	2.89	27
1963	Wet	1.98	1.70	1.40	1.07	1.28	1.75	2.52	3.52	4.36	4.51	3.90	2.91	31
1964	Dry	1.97	1.69	1.38	0.47	1.18	1.14	1.79	2.51	3.08	3.21	2.80	2.10	23
1965	Wet	1.27	1.04	0.88	1.21	1.55	1.78	2.26	2.58	3.20	3.31	2.86	2.12	24
1966	Below Normal	1.43	1.21	0.98	1.38	1.57	2.38	2.62	3.28	4.06	4.20	3.63	2.70	29
1967	Wet	1.82	1.56	1.27	0.59	1.61	2.44	2.78	3.67	4.29	4.43	3.84	2.86	31
1968	Below Normal	1.94	1.86	1.55	1.60	1.57	2.06	2.38	2.98	3.69	3.82	3.30	2.45	29
1969	Wet	1.65	1.41	1.14	0.59	1.61	2.44	2.98	3.58	4.28	4.43	3.83	2.86	31
1970	Wet	1.94	1.66	1.55	1.59	1.57	2.12	2.69	3.37	4.17	4.32	3.73	2.77	31
1971	Wet	1.88	1.60	1.30	1.32	1.37	1.82	2.75	3.43	4.25	4.40	3.80	2.83	31
1972	Below Normal	1.91	1.63	1.33	0.61	1.02	1.44	1.49	2.56	3.11	3.28	2.90	2.20	24
1973	Above Normal	1.10	0.84	0.77	1.26	1.48	2.40	2.58	3.22	3.99	4.13	3.57	2.66	28
1974	Wet	1.80	1.54	1.25	1.41	1.57	2.36	2.70	3.38	4.19	4.33	3.74	2.78	31
1975	Wet	1.88	1.60	1.31	1.28	1.44	2.23	2.74	3.43	4.24	4.39	3.80	2.83	31
1976	Critical	1.91	1.64	1.33	1.19	1.08	1.66	1.95	2.44	3.03	3.13	2.70	2.01	24
1977	Critical	1.35	1.15	0.94	0.10	0.10	0.15	0.29	0.35	0.75	0.78	0.72	0.31	7
1978	Above Normal	0.16	0.15	0.22	0.30	0.94	2.10	3.14	3.85	4.50	4.65	4.03	3.03	27
1979	Below Normal	2.07	1.78	1.46	0.46	1.02	1.84	2.52	3.15	3.89	4.02	3.48	2.60	28
1980	Above Normal	1.77	1.51	1.24	0.99	1.08	2.16	2.61	3.01	3.72	3.85	3.33	2.48	28
1981	Dry	1.68	1.44	1.17	1.20	1.25	2.10	2.40	3.00	3.71	3.84	3.32	2.47	28
1982	Wet	1.67	1.42	1.16	1.41	1.37	2.38	2.70	3.38	4.18	4.33	3.74	2.78	31
1983	Wet	1.88	1.60	1.50	1.61	1.57	2.38	2.90	3.58	4.38	4.53	3.74	2.78	32
1984	Wet	2.08	1.80	1.50	1.61	1.57	2.38	2.70	3.38	4.18	4.33	3.74	2.78	32
1985	Dry	1.88	1.60	1.30	1.07	1.01	1.66	2.50	3.12	3.86	3.99	3.46	2.58	28
1986	Wet	1.75	1.50	1.22	0.12	0.23	2.36	2.34	2.66	3.28	3.39	2.94	2.21	24
1987	Dry	1.51	1.30	1.06	0.96	1.01	1.52	2.09	2.62	3.24	3.35	2.90	2.16	24
1988	Critical	1.46	1.25	1.02	0.20	0.37	0.38	0.72	0.86	1.83	1.92	1.76	0.75	12
1989	Dry	0.40	0.36	0.53	0.23	0.29	0.62	2.77	3.44	4.23	4.37	3.79	2.85	24
1990	Critical	1.96	1.68	1.39	0.10	0.14	0.29	0.75	0.89	1.86	1.95	1.79	0.78	14
1991	Critical	0.43	0.39	0.57	0.08	0.08	0.13	0.68	0.81	1.68	1.76	1.61	0.71	9
1992	Critical	0.39	0.36	0.52	0.12	0.11	0.58	1.08	1.79	2.50	2.64	2.38	1.55	14
1993	Above Normal	0.76	0.60	0.66	0.19	1.25	2.49	2.83	3.53	4.35	4.50	3.90	2.92	28
1994	Critical	1.99	1.70	1.40	1.00	0.96	1.67	1.58	2.44	2.99	3.13	2.75	2.07	24
1995	Wet	1.14	0.90	0.79	0.15	1.45	2.25	2.84	3.54	4.37	4.52	3.92	2.93	29
1996	Wet	2.00	1.71	1.60	1.61	1.56	2.21	2.45	3.17	3.92	4.06	3.51	2.60	30
1997	Wet	1.76	1.50	1.22	1.41	1.57	1.88	1.95	2.45	3.04	3.15	2.71	2.01	25
1998	Wet	1.35	1.15	0.93	1.22	1.58	2.39	2.92	3.40	4.21	4.35	3.76	2.80	30
1999	Wet	1.89	1.82	1.52	1.61	1.41	2.39	2.53	3.16	3.91	4.05	3.50	2.60	30
2000	Above Normal	1.76	1.50	1.22	0.49	1.20	2.47	2.81	3.50	4.33	4.47	3.87	2.89	31
2001	Dry	1.97	1.68	1.37	0.22	0.27	0.78	1.31	2.47	2.97	3.15	2.80	2.14	21
2002	Dry	0.99	0.73	0.71	0.43	0.96	0.60	2.01	2.56	3.15	3.27	2.83	2.11	20
2003	Above Normal	1.40	1.19	0.98	0.87	1.16	1.28	2.42	3.65	4.51	4.66	4.04	3.02	29
Average		2	1	1	1	1	2	2	3	4	4	3	2	25
Wet		2	1	1	1	1	2	3	3	4	4	4	3	30
Above Normal		1	1	1	1	1	2	3	3	4	4	4	3	29
Below Normal		2	1	1	1	1	2	2	3	4	4	4	3	27
Dry		1	1	1	0	1	1	2	3	3	3	3	2	22
Critical		1	1	1	0	0	1	1	1	2	2	2	1	14

Energy Use (GWh) At Pumping Plant at Badger Hill: CP3_2020

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	1.87	1.36	1.32	0.55	1.05	2.48	2.82	3.51	4.34	4.49	3.88	2.90	31
1923	Below Normal	1.97	1.69	1.38	1.41	1.37	2.18	2.55	3.34	4.14	4.28	3.70	2.75	31
1924	Critical	1.86	1.58	1.29	0.14	0.14	0.25	0.41	0.49	1.04	1.09	1.00	0.43	10
1925	Dry	0.23	0.21	0.30	0.37	0.41	0.50	1.27	1.86	2.49	2.63	2.36	1.62	14
1926	Dry	0.77	0.59	0.63	0.24	0.64	1.69	1.74	3.01	3.71	3.84	3.33	2.49	23
1927	Wet	1.70	1.46	1.19	0.40	1.29	2.48	2.83	3.52	4.35	4.50	3.90	2.91	31
1928	Above Normal	1.98	1.70	1.39	0.99	1.09	1.59	2.24	2.80	3.46	3.58	3.10	2.31	26
1929	Critical	1.56	1.34	1.09	0.22	0.22	0.39	0.87	1.04	2.19	2.30	2.11	0.91	14
1930	Dry	0.49	0.45	0.65	0.21	0.43	0.84	1.80	2.76	3.36	3.52	3.10	2.34	20
1931	Critical	1.31	1.05	0.93	0.17	0.22	0.35	0.77	0.91	1.93	2.02	1.85	0.80	12
1932	Dry	0.43	0.40	0.57	0.22	0.59	0.69	0.97	1.44	2.34	2.47	2.23	1.25	14
1933	Critical	0.62	0.51	0.63	0.22	0.55	0.69	1.08	1.93	2.49	2.63	2.36	1.68	15
1934	Critical	0.79	0.59	0.61	0.23	0.48	0.50	1.15	2.16	2.60	2.76	2.46	1.87	16
1935	Below Normal	0.87	0.64	0.62	0.13	0.34	0.76	2.34	3.99	4.90	5.06	4.40	3.31	27
1936	Below Normal	2.27	1.95	1.61	0.08	0.25	2.42	2.85	3.54	4.36	4.51	3.91	2.94	31
1937	Below Normal	2.02	1.73	1.43	0.17	0.25	1.88	2.65	3.30	4.06	4.20	3.64	2.74	28
1938	Wet	1.88	1.61	1.33	1.23	1.38	2.39	2.92	3.40	4.20	4.35	3.76	2.80	31
1939	Dry	1.89	1.62	1.32	1.53	1.26	1.89	2.31	2.89	3.58	3.71	3.20	2.38	28
1940	Above Normal	1.60	1.37	1.11	0.06	0.24	2.43	2.96	3.68	4.52	4.68	4.06	3.05	30
1941	Wet	2.10	1.80	1.48	1.01	1.39	2.21	2.74	3.42	4.23	4.38	3.79	2.82	31
1942	Wet	1.91	1.63	1.33	1.28	1.57	2.39	2.71	3.39	4.20	4.34	3.76	2.79	31
1943	Wet	1.89	1.61	1.31	1.51	1.57	2.15	2.52	2.91	3.60	3.73	3.22	2.39	28
1944	Dry	1.61	1.37	1.11	0.40	0.89	1.88	2.54	3.17	3.91	4.04	3.50	2.62	27
1945	Below Normal	1.78	1.53	1.25	0.34	0.37	1.87	2.61	3.25	4.01	4.14	3.59	2.69	27
1946	Below Normal	1.84	1.58	1.30	1.37	1.37	1.98	2.50	3.13	3.88	4.02	3.47	2.58	29
1947	Dry	1.74	1.48	1.21	0.29	0.27	0.71	2.35	2.92	3.60	3.72	3.22	2.42	24
1948	Below Normal	1.65	1.42	1.17	0.06	0.14	0.18	0.87	3.22	3.95	4.09	3.55	2.67	23
1949	Dry	1.84	1.58	1.31	0.20	0.19	0.28	1.14	2.09	2.57	2.72	2.43	1.81	18
1950	Below Normal	0.85	0.64	0.63	0.11	0.28	1.10	2.59	3.22	3.97	4.10	3.56	2.67	24
1951	Above Normal	1.83	1.57	1.30	1.26	1.58	2.39	2.71	3.39	4.20	4.35	3.76	2.79	31
1952	Wet	1.89	1.61	1.31	1.41	1.37	2.38	2.90	3.38	4.18	4.33	3.74	2.78	31
1953	Wet	1.88	1.80	1.50	1.61	1.37	2.12	2.69	3.36	4.16	4.30	3.72	2.77	31
1954	Above Normal	1.87	1.60	1.30	1.11	1.20	2.19	2.77	3.46	4.28	4.43	3.83	2.85	31
1955	Dry	1.94	1.66	1.35	0.27	0.39	0.49	1.07	2.13	2.57	2.72	2.42	1.85	19
1956	Wet	0.85	0.63	0.60	1.24	1.58	2.39	2.71	3.39	4.20	4.35	3.76	2.80	29
1957	Above Normal	1.89	1.62	1.32	1.10	1.14	1.68	2.20	2.76	3.41	3.53	3.05	2.27	26
1958	Wet	1.53	1.31	1.07	1.25	1.47	2.29	2.96	3.44	4.26	4.41	3.81	2.84	31
1959	Below Normal	1.93	1.65	1.34	1.50	1.42	2.00	2.33	2.92	3.61	3.74	3.23	2.40	28
1960	Dry	1.62	1.38	1.12	0.09	0.14	0.47	2.20	2.73	3.36	3.47	3.01	2.27	22
1961	Dry	1.56	1.34	1.10	0.22	0.24	0.70	1.93	2.76	3.37	3.52	3.08	2.33	22
1962	Below Normal	1.39	1.14	0.98	0.09	0.10	0.91	2.61	3.24	3.98	4.11	3.57	2.68	25
1963	Wet	1.84	1.59	1.31	1.07	1.25	1.87	2.64	3.49	4.32	4.47	3.87	2.88	31
1964	Dry	1.96	1.67	1.37	0.97	1.18	1.55	1.95	2.44	3.02	3.13	2.70	2.01	24
1965	Wet	1.35	1.15	0.94	1.21	1.53	1.82	2.31	2.64	3.28	3.39	2.93	2.17	25
1966	Below Normal	1.46	1.25	1.01	1.36	1.57	2.38	2.63	3.30	4.08	4.22	3.65	2.71	30
1967	Wet	1.83	1.56	1.27	0.79	1.40	2.43	2.76	3.64	4.26	4.41	3.81	2.84	31
1968	Below Normal	1.93	1.85	1.54	1.61	1.57	2.08	2.40	3.01	3.72	3.85	3.33	2.47	29
1969	Wet	1.67	1.42	1.15	0.78	1.60	2.43	2.96	3.65	4.26	4.41	3.81	2.84	31
1970	Wet	1.93	1.65	1.54	1.59	1.57	2.14	2.70	3.38	4.18	4.33	3.74	2.78	32
1971	Wet	1.88	1.60	1.31	1.32	1.37	1.84	2.74	3.43	4.25	4.39	3.80	2.83	31
1972	Below Normal	1.91	1.63	1.33	0.95	1.03	1.56	1.65	2.43	2.98	3.12	2.73	2.05	23
1973	Above Normal	1.18	0.95	0.82	1.26	1.50	2.40	2.59	3.24	4.00	4.14	3.58	2.67	28
1974	Wet	1.81	1.54	1.26	1.41	1.57	2.38	2.70	3.38	4.18	4.33	3.74	2.78	31
1975	Wet	1.88	1.60	1.30	1.28	1.45	2.23	2.74	3.43	4.24	4.39	3.79	2.82	31
1976	Critical	1.91	1.63	1.33	1.20	1.10	1.71	2.05	2.57	3.19	3.30	2.85	2.11	25
1977	Critical	1.43	1.22	0.99	0.08	0.07	0.09	0.20	0.25	0.53	0.55	0.51	0.22	6
1978	Above Normal	0.12	0.11	0.15	0.28	0.69	1.93	3.12	3.72	4.58	4.73	4.10	3.08	27
1979	Below Normal	2.11	1.82	1.50	0.41	1.05	1.86	2.54	3.17	3.91	4.05	3.50	2.62	29
1980	Above Normal	1.78	1.52	1.25	1.05	1.11	2.17	2.62	3.03	3.75	3.88	3.35	2.50	28
1981	Dry	1.69	1.45	1.18	1.21	1.25	2.11	2.42	3.03	3.75	3.88	3.35	2.49	28
1982	Wet	1.68	1.44	1.17	1.41	1.37	2.38	2.70	3.38	4.18	4.33	3.74	2.78	31
1983	Wet	1.88	1.60	1.50	1.61	1.57	2.38	2.90	3.58	4.38	4.53	3.74	2.78	32
1984	Wet	2.08	1.80	1.50	1.61	1.57	2.38	2.70	3.38	4.18	4.33	3.74	2.78	32
1985	Dry	1.88	1.60	1.30	1.07	1.01	1.66	2.42	3.02	3.73	3.86	3.34	2.49	27
1986	Wet	1.69	1.44	1.18	0.14	0.45	2.37	2.42	2.77	3.41	3.52	3.06	2.29	25
1987	Dry	1.57	1.34	1.10	0.99	0.95	1.28	2.03	2.54	3.15	3.25	2.81	2.09	23
1988	Critical	1.42	1.21	0.99	0.18	0.30	0.35	0.66	0.79	1.68	1.77	1.62	0.69	12
1989	Dry	0.37	0.34	0.49	0.23	0.25	0.58	2.80	3.48	4.28	4.42	3.84	2.89	24
1990	Critical	1.98	1.70	1.40	0.08	0.18	0.33	0.75	0.89	1.87	1.96	1.80	0.78	14
1991	Critical	0.43	0.39	0.57	0.06	0.05	0.09	0.74	0.88	1.81	1.90	1.74	0.77	9
1992	Critical	0.43	0.39	0.57	0.09	0.10	0.37	1.05	1.63	2.46	2.59	2.34	1.42	13
1993	Above Normal	0.71	0.57	0.68	0.21	1.25	2.49	2.83	3.53	4.35	4.50	3.90	2.92	28
1994	Critical	1.99	1.70	1.39	1.02	0.99	1.74	1.88	2.36	2.92	3.02	2.61	1.94	24
1995	Wet	1.31	1.12	0.91	0.14	1.44	1.95	2.85	3.55	4.39	4.54	3.93	2.94	29
1996	Wet	2.00	1.72	1.40	1.53	1.57	2.22	2.47	3.18	3.94	4.08	3.52	2.62	30
1997	Wet	1.77	1.51	1.23	1.41	1.57	1.91	2.03	2.55	3.16	3.27	2.82	2.09	25
1998	Wet	1.40	1.19	0.97	1.19	1.58	2.39	2.92	3.40	4.21	4.36	3.77	2.80	30
1999	Wet	1.90	1.82	1.52	1.61	1.42	2.39	2.53	3.17	3.93	4.06	3.51	2.61	30
2000	Above Normal	1.76	1.50	1.22	0.79	1.17	2.25	2.78	3.47	4.29	4.44	3.84	2.87	30
2001	Dry	1.95	1.66	1.36	0.22	0.26	0.77	1.34	2.51	3.02	3.20	2.85	2.17	21
2002	Dry	1.01	0.74	0.72	0.43	1.04	1.60	2.12	2.65	3.28	3.39	2.93	2.18	21
2003	Above Normal	1.48	1.27	1.04	1.01	1.13	1.50	2.30	3.62	4.47	4.62	4.00	2.99	29
Average		2	1	1	1	1	2	2	3	4	4	3	2	25
Wet		2	2	1	1	1	2	3	3	4	4	4	3	30
Above Normal		2	1	1	1	1	2	3	3	4	4	4	3	29
Below Normal		2	1	1	1	1	2	2	3	4	4	4	3	27
Dry		1	1	1	1	1	1	2	3	3	3	3	2	22
Critical		1	1	1	0	0	1	1	1	2	2	2	1	14

Difference in Energy Use (GWh) At Pumping Plant at Badger Hill: CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1927	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1928	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1932	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1935	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norm	0	0	0	0	0	1	0	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1940	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1945	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1946	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1947	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1948	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1949	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1951	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1957	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1961	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Norm	0	0	0	0	0	-1	0	0	0	0	0	0	0
1963	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1965	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1966	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1968	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norm		0	0	0	0	0	0	0	0	0	0	0	0	0
Below Norm		0	0	0	0	0	0	0	0	0	0	0	0	0
Dry		0	0	0	0	0	0	0	0	0	0	0	0	0
Critical		0	0	0	0	0	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at Badger Hill: CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norm	0%	0%	0%	23%	4%	0%	0%	0%	0%	0%	0%	0%
1923	Below Norm	-1%	-1%	-1%	0%	0%	0%	0%	3%	3%	3%	3%	3%
1924	Critical	3%	3%	3%	4%	3%	15%	1%	1%	1%	1%	1%	1%
1925	Dry	1%	1%	1%	6%	13%	3%	3%	14%	2%	3%	2%	14%
1926	Dry	10%	6%	-4%	1%	0%	28%	-1%	-1%	-1%	-1%	-1%	-1%
1927	Wet	-1%	-1%	-1%	1%	5%	0%	0%	0%	0%	0%	0%	0%
1928	Above Norm	0%	0%	0%	35%	-1%	3%	-1%	0%	0%	0%	0%	0%
1929	Critical	-1%	-1%	-1%	3%	2%	3%	2%	2%	2%	2%	2%	2%
1930	Dry	2%	2%	2%	16%	-31%	3%	19%	-3%	-2%	-3%	-4%	-5%
1931	Critical	13%	22%	12%	-3%	-7%	-2%	-8%	-8%	-8%	-8%	-8%	-8%
1932	Dry	-8%	-8%	-8%	3%	-2%	-2%	-3%	-8%	-2%	-2%	-2%	-8%
1933	Critical	-7%	-4%	1%	8%	-2%	-2%	-3%	-7%	-1%	-1%	-1%	-7%
1934	Critical	-6%	-4%	2%	2%	0%	-1%	-1%	-1%	-1%	-1%	-1%	-1%
1935	Below Norm	-1%	-1%	1%	0%	0%	0%	8%	1%	1%	1%	1%	1%
1936	Below Norm	1%	1%	1%	-17%	4%	2%	2%	2%	2%	2%	2%	2%
1937	Below Norm	2%	2%	2%	19%	0%	39%	-2%	-2%	-2%	-2%	-2%	-2%
1938	Wet	-2%	-2%	-2%	2%	0%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1940	Above Norm	0%	0%	0%	-31%	2%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	30%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%
1942	Wet	-1%	-1%	-1%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	1%	0%	1%	1%	1%	1%	1%	1%	1%
1944	Dry	1%	1%	1%	1%	42%	-3%	-2%	-2%	-2%	-2%	-2%	-2%
1945	Below Norm	-2%	-3%	-3%	-1%	-1%	2%	0%	0%	0%	0%	0%	0%
1946	Below Norm	0%	0%	0%	2%	0%	1%	0%	0%	0%	0%	0%	0%
1947	Dry	0%	0%	0%	1%	-1%	39%	6%	6%	6%	6%	6%	6%
1948	Below Norm	6%	6%	7%	-35%	4%	-12%	-12%	-2%	-2%	-2%	-2%	-2%
1949	Dry	-2%	-2%	-2%	-7%	-4%	-4%	-8%	-10%	-8%	-8%	-8%	-10%
1950	Below Norm	-9%	-9%	-6%	-7%	4%	25%	2%	2%	2%	2%	2%	2%
1951	Above Norm	2%	2%	2%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	0%	0%	-6%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1954	Above Norm	0%	0%	0%	3%	1%	11%	0%	0%	0%	0%	0%	0%
1955	Dry	0%	0%	0%	2%	2%	2%	5%	12%	4%	4%	3%	12%
1956	Wet	10%	7%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norm	0%	0%	0%	3%	1%	3%	2%	2%	2%	2%	2%	2%
1958	Wet	2%	2%	2%	2%	-1%	-1%	0%	0%	0%	0%	0%	0%
1959	Below Norm	0%	0%	0%	0%	1%	0%	1%	1%	1%	1%	1%	1%
1960	Dry	1%	1%	1%	-14%	15%	0%	22%	-4%	-3%	-4%	-6%	-7%
1961	Dry	17%	27%	16%	-9%	-53%	-6%	12%	-2%	-1%	-2%	-3%	-3%
1962	Below Norm	10%	15%	9%	-39%	-35%	-47%	-7%	-7%	-7%	-7%	-7%	-7%
1963	Wet	-7%	-7%	-7%	0%	-2%	7%	4%	-1%	-1%	-1%	-1%	-1%
1964	Dry	-1%	-1%	-1%	104%	0%	36%	9%	-3%	-2%	-3%	-3%	-4%
1965	Wet	7%	11%	6%	0%	-1%	2%	2%	2%	2%	2%	2%	3%
1966	Below Norm	3%	3%	3%	-1%	0%	0%	1%	0%	0%	0%	0%	1%
1967	Wet	1%	1%	1%	35%	-13%	-1%	-1%	-1%	-1%	-1%	-1%	-1%
1968	Below Norm	-1%	-1%	-1%	0%	0%	1%	1%	1%	1%	1%	1%	1%
1969	Wet	1%	1%	1%	31%	-1%	-1%	-1%	2%	-1%	-1%	-1%	-1%
1970	Wet	-1%	-1%	-1%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1972	Below Norm	0%	0%	0%	55%	1%	8%	10%	-5%	-4%	-5%	-6%	-7%
1973	Above Norm	7%	13%	6%	0%	1%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	1%	2%	3%	5%	5%	5%	5%	5%	5%
1977	Critical	6%	6%	6%	-25%	-28%	-43%	-31%	-29%	-30%	-30%	-30%	-29%
1978	Above Norm	-29%	-29%	-29%	-8%	-27%	-8%	-1%	-3%	2%	2%	2%	2%
1979	Below Norm	2%	2%	2%	-11%	3%	1%	1%	1%	1%	1%	1%	1%
1980	Above Norm	1%	1%	1%	6%	2%	0%	1%	1%	1%	1%	1%	1%
1981	Dry	1%	1%	1%	1%	0%	0%	1%	1%	1%	1%	1%	1%
1982	Wet	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	1%	0%	-3%	-3%	-3%	-3%	-3%	-3%
1986	Wet	-3%	-3%	-3%	15%	92%	1%	3%	4%	4%	4%	4%	4%
1987	Dry	4%	4%	4%	3%	-6%	-16%	-3%	-3%	-3%	-3%	-3%	-3%
1988	Critical	-3%	-3%	-3%	-13%	-20%	-6%	-8%	-8%	-8%	-8%	-8%	-8%
1989	Dry	-8%	-8%	-7%	-3%	-12%	-6%	1%	1%	1%	1%	1%	1%
1990	Critical	1%	1%	1%	-14%	27%	12%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	0%	-31%	-30%	-30%	9%	8%	8%	8%	8%	9%
1992	Critical	9%	9%	10%	-18%	-15%	-36%	-3%	-9%	-2%	-2%	-1%	-8%
1993	Above Norm	-6%	-4%	2%	11%	0%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	2%	3%	4%	19%	-4%	-2%	-4%	-5%	-6%
1995	Wet	15%	23%	15%	-5%	0%	-13%	0%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	-12%	-5%	1%	1%	1%	1%	1%	1%	1%	1%
1997	Wet	1%	1%	1%	0%	0%	2%	4%	4%	4%	4%	4%	4%
1998	Wet	4%	4%	4%	-2%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norm	0%	0%	0%	60%	-3%	-9%	-1%	-1%	-1%	-1%	-1%	-1%
2001	Dry	-1%	-1%	-1%	1%	-3%	0%	2%	2%	2%	2%	2%	2%
2002	Dry	2%	2%	2%	0%	8%	0%	6%	4%	4%	4%	3%	3%
2003	Above Norm	6%	6%	6%	16%	-3%	17%	-5%	-1%	-1%	-1%	-1%	-1%
Average		1%	1%	0%	3%	-1%	0%	1%	-1%	0%	0%	-1%	-1%
Wet		1%	1%	0%	4%	3%	0%	1%	0%	0%	0%	0%	0%
Above Norm		-2%	-1%	-1%	10%	-2%	1%	0%	0%	0%	0%	0%	0%
Below Norm		1%	1%	1%	-2%	-1%	1%	0%	0%	0%	0%	0%	0%
Dry		1%	1%	0%	6%	-2%	4%	4%	0%	0%	-1%	-1%	0%
Critical		1%	2%	3%	-7%	-5%	-7%	-1%	-4%	-3%	-3%	-3%	-4%

Energy Use (GWh) At Pumping Plant at Buena Vista: CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	59.92	52.24	39.54	1.79	35.28	58.15	54.59	58.78	57.92	59.82	59.42	56.16	594
1923	Below Normal	52.26	47.88	47.05	51.12	49.59	57.75	58.03	60.42	57.81	61.78	58.68	50.01	652
1924	Critical	45.60	41.53	40.74	27.53	24.71	12.30	15.58	18.53	18.98	17.70	14.98	13.56	292
1925	Dry	6.08	3.96	3.44	22.92	36.50	3.13	29.54	34.90	38.10	36.66	35.68	32.94	284
1926	Dry	20.11	15.52	11.05	6.49	43.34	24.67	38.89	51.88	52.21	53.72	53.45	50.65	422
1927	Wet	46.84	43.02	42.14	25.11	49.52	58.15	57.11	58.69	57.92	59.74	59.35	56.11	614
1928	Above Normal	52.19	47.78	46.94	42.92	51.29	56.23	48.94	46.62	45.81	47.27	46.92	44.31	577
1929	Critical	40.51	36.94	36.13	26.91	23.82	12.57	28.05	35.69	37.62	34.76	29.28	26.61	369
1930	Dry	13.28	8.00	6.85	2.74	13.63	44.32	31.60	45.61	48.29	48.55	52.37	49.01	364
1931	Critical	35.54	31.75	23.00	9.12	8.49	6.81	27.62	34.79	36.56	33.86	28.46	25.83	302
1932	Dry	12.79	7.77	6.65	2.72	43.21	22.57	23.96	35.49	37.42	35.95	34.86	32.21	296
1933	Critical	19.48	14.82	10.61	5.97	16.57	35.36	23.32	34.42	36.18	36.51	39.23	36.62	309
1934	Critical	25.63	22.56	15.75	7.53	16.76	6.86	24.31	35.63	37.33	37.68	40.66	38.02	309
1935	Below Normal	26.72	23.73	16.64	6.76	7.81	47.92	43.81	61.38	58.01	62.79	62.38	58.88	477
1936	Below Normal	59.98	41.46	39.28	3.25	3.87	57.64	54.94	59.28	57.82	60.10	59.59	56.41	554
1937	Below Normal	53.61	46.52	30.05	3.68	3.92	44.81	53.81	57.18	57.34	59.23	58.79	55.65	525
1938	Wet	52.02	47.91	47.05	50.41	49.59	58.01	58.57	54.74	54.16	55.76	55.31	52.25	636
1939	Dry	48.33	44.09	46.41	51.12	46.94	47.10	45.74	46.57	45.94	47.35	46.95	44.29	561
1940	Above Normal	40.49	36.82	36.06	15.21	14.57	58.04	58.47	60.80	57.95	62.02	61.73	58.69	581
1941	Wet	57.07	53.23	52.65	44.92	49.59	57.82	58.41	60.78	57.91	62.20	61.70	57.70	674
1942	Wet	52.97	45.35	44.55	51.12	49.59	58.00	53.16	54.50	53.90	55.59	55.14	52.05	626
1943	Wet	48.17	43.93	43.12	51.12	49.59	57.67	44.24	44.95	45.36	46.93	46.50	43.92	566
1944	Dry	40.12	36.44	35.68	27.20	35.48	55.70	55.45	55.73	54.73	56.56	56.25	53.25	563
1945	Below Normal	49.37	45.26	44.43	28.68	31.88	51.18	54.97	56.00	55.13	56.90	56.55	53.55	584
1946	Below Normal	49.65	45.56	44.71	51.12	49.59	57.46	57.92	60.24	56.84	51.33	50.91	48.05	623
1947	Dry	44.17	40.25	39.46	30.57	27.55	23.27	43.81	48.99	47.90	49.41	49.19	46.65	491
1948	Below Normal	42.88	39.41	38.57	15.21	14.02	8.24	29.27	56.81	55.80	57.54	57.31	54.35	469
1949	Dry	50.44	46.45	45.54	25.67	22.70	11.81	29.96	37.73	39.80	39.97	43.05	40.35	433
1950	Below Normal	28.47	25.40	17.89	6.86	7.15	30.79	50.23	55.69	54.57	56.41	56.14	53.19	443
1951	Above Normal	49.38	45.47	44.64	50.20	49.59	58.01	53.29	54.62	53.99	55.60	55.17	52.13	622
1952	Wet	48.19	43.97	43.17	51.12	51.35	57.99	58.53	54.26	53.42	55.25	54.80	51.77	624
1953	Wet	50.56	48.22	55.29	51.12	44.56	57.63	48.71	53.86	53.14	54.96	54.46	51.48	624
1954	Above Normal	47.58	43.40	42.61	50.23	49.56	57.47	58.42	60.79	57.93	61.39	59.20	53.79	642
1955	Dry	49.87	45.57	44.76	32.97	30.74	18.30	27.97	34.83	36.57	36.23	37.74	35.10	431
1956	Wet	23.41	19.79	13.88	35.63	51.36	57.92	48.88	54.35	53.69	55.32	54.87	51.86	521
1957	Above Normal	47.95	43.80	43.02	50.36	49.55	57.01	55.53	43.80	43.25	44.51	44.11	41.65	565
1958	Wet	37.88	34.43	33.66	51.12	49.57	57.89	53.33	54.58	55.03	56.76	56.39	53.26	594
1959	Below Normal	49.39	45.05	49.99	51.12	49.56	39.97	45.71	46.44	45.90	47.31	46.86	44.20	561
1960	Dry	40.47	36.75	35.99	27.39	24.80	14.85	40.19	47.32	48.99	49.62	52.23	49.08	468
1961	Dry	38.56	34.70	28.76	15.09	22.70	34.67	34.67	46.37	48.28	48.84	51.77	48.55	453
1962	Below Normal	37.43	33.57	27.04	12.93	11.68	45.88	57.80	59.20	57.80	60.01	59.53	56.39	519
1963	Wet	53.69	49.40	48.05	49.71	49.57	57.16	57.93	60.88	57.97	59.91	58.72	54.72	658
1964	Dry	50.78	46.42	45.58	31.35	51.31	50.88	37.92	41.13	41.33	42.43	43.29	40.68	523
1965	Wet	34.28	30.80	27.81	47.01	49.59	45.69	39.70	40.16	40.61	42.02	41.65	39.22	479
1966	Below Normal	35.59	32.19	31.41	50.81	49.59	58.00	51.52	52.68	52.03	53.58	53.20	50.19	571
1967	Wet	46.34	42.21	41.41	35.44	49.59	58.09	56.37	55.71	56.15	57.98	57.59	54.44	611
1968	Below Normal	50.47	53.36	55.39	51.12	51.35	57.57	42.71	47.76	47.24	48.63	48.15	45.46	599
1969	Wet	41.65	37.87	37.10	33.23	49.59	58.09	58.46	55.74	56.17	57.94	57.54	54.41	598
1970	Wet	50.39	46.08	55.38	51.12	49.59	57.65	48.71	54.29	53.68	55.29	54.83	51.77	629
1971	Wet	47.88	43.66	42.87	51.12	49.59	57.27	58.36	60.73	57.93	62.16	54.74	58.07	644
1972	Below Normal	53.76	45.46	44.21	37.25	51.28	54.33	33.22	39.48	41.14	41.64	43.85	40.96	527
1973	Above Normal	30.47	27.06	20.61	51.13	49.57	57.97	46.74	52.14	51.55	52.99	52.57	49.64	542
1974	Wet	45.78	41.70	40.92	51.12	49.59	57.97	52.97	54.32	53.78	55.31	54.87	51.86	610
1975	Wet	47.94	43.67	42.87	51.12	49.57	57.79	53.60	55.48	54.89	56.46	56.03	52.98	622
1976	Critical	49.01	44.75	43.95	51.12	51.30	57.04	50.69	39.67	38.98	40.19	39.76	37.52	544
1977	Critical	33.89	30.64	29.90	23.63	21.32	10.76	12.45	14.08	14.41	13.42	11.40	10.27	226
1978	Above Normal	4.64	2.93	2.64	18.70	44.49	57.63	56.58	59.41	57.95	61.50	61.12	58.01	486
1979	Below Normal	56.25	52.18	50.88	16.86	48.24	50.64	51.43	52.76	52.04	53.54	53.17	50.33	588
1980	Above Normal	46.45	42.42	41.64	48.71	51.29	57.69	51.02	47.70	48.15	49.79	49.39	46.64	581
1981	Dry	42.86	39.00	38.22	50.33	49.57	57.61	47.45	48.45	47.98	49.28	48.87	46.14	566
1982	Wet	42.27	38.49	37.73	51.12	49.59	57.99	58.29	54.32	53.65	55.29	54.83	51.76	605
1983	Wet	47.88	43.63	55.29	51.12	49.59	57.99	51.80	54.95	55.49	57.12	54.81	51.79	631
1984	Wet	52.48	48.22	55.29	51.12	51.35	57.99	48.64	54.24	53.50	55.26	54.81	51.79	635
1985	Dry	47.80	43.63	42.84	50.34	49.52	57.05	57.88	52.19	50.47	45.37	44.17	52.07	593
1986	Wet	48.37	44.36	43.65	28.66	29.73	57.96	44.58	44.67	45.03	46.44	46.20	43.62	523
1987	Dry	39.87	36.45	35.62	45.88	49.24	48.17	42.27	42.94	42.21	43.45	43.16	40.74	510
1988	Critical	37.08	33.64	32.86	25.46	24.40	12.18	24.69	30.85	32.38	30.02	25.24	22.98	332
1989	Dry	11.14	6.84	5.81	2.54	3.46	13.05	54.59	59.62	57.70	60.50	60.13	57.14	393
1990	Critical	55.34	51.34	49.77	3.68	3.72	4.90	24.92	31.06	32.65	30.20	25.41	23.09	336
1991	Critical	11.21	6.91	5.91	2.27	2.33	2.74	22.39	27.87	29.19	27.09	22.80	20.75	181
1992	Critical	9.82	6.18	5.34	2.11	2.30	10.05	24.77	36.41	38.23	37.23	37.34	34.59	244
1993	Above Normal	22.03	17.79	12.55	6.42	45.79	58.26	53.45	57.69	56.91	58.64	58.28	55.14	503
1994	Critical	51.20	46.87	46.05	44.97	48.68	47.72	32.96	37.56	38.44	39.25	40.56	37.93	512
1995	Wet	29.73	26.43	21.89	15.65	49.60	58.51	56.74	56.45	56.86	58.68	58.33	55.17	544
1996	Wet	51.23	46.91	55.35	51.12	51.35	57.77	45.21	49.66	50.18	51.74	51.32	48.42	610
1997	Wet	44.56	40.59	39.82	51.12	49.59	57.32	38.55	39.17	38.42	39.68	39.30	37.05	515
1998	Wet	33.35	30.15	29.40	49.22	49.59	58.01	54.63	53.33	53.83	55.68	55.29	52.19	575
1999	Wet	48.25	51.30	55.30	51.12	49.57	58.01	45.46	50.74	50.02	51.77	51.38	48.48	611
2000	Above Normal	44.60	40.65	39.84	30.17	51.31	58.13	56.40	57.93	57.12	59.07	58.72	55.51	609
2001	Dry	51.50	47.17	46.32	32.61	29.22	43.26	27.16	39.71	41.80	42.26	45.67	42.72	489
2002	Dry	30.33	27.06	19.12	7.00	37.14	12.53	42.51	43.83	43.06	44.61	44.63	42.15	394
2003	Above Normal	37.85	34.55	33.30	39.32	49.55	43.01	48.71	59.84	57.99	36.80	33.30</		

Difference in Energy Use (GWh) At Pumping Plant at Buena Vista: CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	-3	1	0	-1	0	0	0	0	0	0
1923	Below Norma	-1	0	0	0	0	0	0	0	0	0	2	5	1
1924	Critical	2	2	2	4	3	1	0	0	0	0	0	0	1
1925	Dry	0	0	0	-8	0	1	0	-1	-1	0	2	2	0
1926	Dry	3	4	2	1	-3	12	-1	0	-1	-1	-1	-1	1
1927	Wet	-1	-1	-1	0	0	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	7	0	1	3	-1	-1	-1	-1	-1	0
1929	Critical	-1	-1	-1	0	0	0	0	1	1	1	0	0	0
1930	Dry	0	0	0	0	-2	0	5	1	-1	0	-2	-1	0
1931	Critical	3	3	6	7	6	2	-2	-2	-3	-2	-2	-2	1
1932	Dry	-1	-1	0	0	0	-1	0	0	0	0	-1	-1	0
1933	Critical	-2	-2	-1	-1	2	-1	0	1	1	0	-1	-1	0
1934	Critical	-2	-2	-2	0	2	0	0	0	0	0	0	0	0
1935	Below Norma	0	0	0	0	0	-3	2	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	1	0	0	1	1	1	0
1937	Below Norma	2	-1	2	0	0	9	-2	-2	-2	-2	-2	-1	0
1938	Wet	-2	-2	-2	0	0	0	0	-1	0	0	0	0	0
1939	Dry	0	0	0	0	0	1	0	0	0	0	0	0	0
1940	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	5	0	0	0	0	0	0	0	-1	0
1942	Wet	-2	-1	-1	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	13	0	-2	-2	-2	-2	-2	-2	0
1945	Below Norma	-2	-2	-2	0	2	-5	0	0	0	0	0	0	-1
1946	Below Norma	0	0	0	0	0	0	0	0	1	0	0	0	0
1947	Dry	0	0	0	0	0	4	3	3	3	3	3	3	2
1948	Below Norma	3	3	3	1	1	0	-2	-1	-1	-1	-1	-1	0
1949	Dry	-1	-1	-1	-3	-2	-1	-2	-2	-3	-3	-3	-3	-2
1950	Below Norma	-3	-3	-2	-1	0	2	1	1	1	1	1	1	0
1951	Above Norma	1	1	1	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	-1	0	0
1955	Dry	0	0	0	0	0	1	0	0	0	1	2	2	0
1956	Wet	3	3	2	0	0	0	0	0	0	0	0	0	1
1957	Above Norma	0	0	0	0	0	0	2	2	1	1	1	1	1
1958	Wet	1	1	1	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	1	0	1	1	1	1	0	0
1960	Dry	0	0	0	0	0	0	7	1	-1	-1	-3	-3	0
1961	Dry	4	4	9	9	-1	-3	4	1	0	0	-1	-1	2
1962	Below Norma	2	2	5	4	4	-24	-7	-3	-2	-3	-2	-2	-2
1963	Wet	-3	-3	-3	-1	0	0	0	0	0	-2	-1	-1	-1
1964	Dry	0	0	0	18	0	6	9	-4	-15	0	-1	-1	1
1965	Wet	2	2	4	2	0	1	1	1	1	1	1	1	1
1966	Below Norma	1	1	1	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	10	0	0	-1	-1	-1	-1	-1	-1	0
1968	Below Norma	-1	-1	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	9	0	0	-1	0	-1	-1	-1	-1	0
1970	Wet	-1	-1	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	4	-1	0
1972	Below Norma	-2	-1	0	12	0	3	5	-1	-3	-2	-3	-3	0
1973	Above Norma	0	0	3	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	4	2	2	2	2	2	1
1977	Critical	2	2	2	1	1	0	-3	-3	-4	-3	-3	-3	-1
1978	Above Norma	-1	-1	-1	23	-7	0	0	1	0	1	1	1	1
1979	Below Norma	2	2	4	-6	-3	-2	0	0	0	0	0	0	0
1980	Above Norma	0	0	0	1	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	-3	-2	2	-2	-2	-1
1986	Wet	-2	-2	-2	-1	2	0	1	2	2	2	2	2	0
1987	Dry	2	2	2	2	0	-7	-1	-1	-1	-1	-1	-1	-1
1988	Critical	-1	-1	-1	-1	-2	0	-2	-2	-2	-2	-2	-2	-1
1989	Dry	-1	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	1	1	1	9	8	3	0	0	0	0	0	0	2
1991	Critical	0	0	0	0	0	0	1	2	2	2	2	1	1
1992	Critical	1	0	0	0	0	-6	4	0	0	0	-1	-1	0
1993	Above Norma	-2	-2	-1	0	0	0	0	0	0	0	0	0	-1
1994	Critical	0	0	0	0	0	1	5	1	-23	4	2	2	-1
1995	Wet	7	7	10	3	0	-1	2	4	1	2	1	1	3
1996	Wet	0	0	-9	0	0	0	0	1	0	0	0	0	-1
1997	Wet	0	0	0	0	0	0	1	2	2	2	2	2	1
1998	Wet	2	1	1	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	13	0	0	2	3	1	2	1	-1	2
2001	Dry	-1	-1	-1	0	0	0	0	1	1	1	1	1	0
2002	Dry	1	0	0	0	4	0	2	2	1	1	1	1	1
2003	Above Norma	2	2	2	8	0	7	-3	-1	-2	1	0	0	1
Average		0	0	0	2	0	0	1	0	-1	0	0	0	0
Wet		0	0	0	1	0	0	0	0	0	0	0	0	0
Above Norma		0	0	0	5	0	1	0	0	0	0	0	0	0
Below Norma		0	0	1	1	0	-1	0	0	0	0	0	0	0
Dry		0	0	1	1	0	1	1	0	-1	0	0	0	0
Critical		0	0	1	2	2	0	1	0	-2	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at Buena Vista: CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	191%	3%	0%	-1%	-1%	-1%	-1%	-1%	-1%
1923	Below Norma	-1%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%	4%	11%
1924	Critical	4%	4%	4%	14%	14%	12%	1%	1%	2%	1%	1%	1%
1925	Dry	1%	2%	1%	-33%	0%	20%	0%	-2%	-2%	0%	5%	6%
1926	Dry	14%	23%	21%	10%	-8%	47%	-2%	0%	-2%	-2%	-2%	-2%
1927	Wet	-2%	-2%	-2%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1928	Above Norma	0%	0%	0%	16%	0%	1%	6%	-2%	-2%	-2%	-2%	-2%
1929	Critical	-2%	-2%	-2%	1%	1%	1%	2%	2%	2%	2%	2%	2%
1930	Dry	2%	2%	2%	3%	-13%	0%	15%	2%	-2%	0%	-3%	-3%
1931	Critical	8%	8%	27%	72%	68%	31%	-7%	-7%	-7%	-7%	-7%	-7%
1932	Dry	-9%	-7%	-7%	-5%	-1%	-4%	1%	1%	1%	0%	-3%	-4%
1933	Critical	-8%	-13%	-7%	-12%	12%	-2%	2%	1%	2%	0%	-3%	-3%
1934	Critical	-7%	-10%	-10%	-4%	10%	-2%	-1%	-1%	-1%	-1%	-1%	-1%
1935	Below Norma	-1%	-1%	-1%	0%	0%	-6%	5%	0%	0%	0%	0%	0%
1936	Below Norma	0%	1%	0%	-5%	1%	0%	2%	1%	0%	1%	1%	1%
1937	Below Norma	3%	-3%	6%	7%	0%	20%	-3%	-3%	-3%	-3%	-3%	-3%
1938	Wet	-3%	-4%	-4%	0%	0%	0%	0%	-1%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1940	Above Norma	0%	0%	0%	0%	2%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	11%	0%	0%	0%	0%	0%	0%	0%	-1%
1942	Wet	-4%	-2%	-2%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%
1944	Dry	1%	1%	1%	1%	38%	1%	-4%	-4%	-4%	-4%	-4%	-4%
1945	Below Norma	-5%	-5%	-5%	-1%	8%	-10%	0%	0%	0%	0%	0%	0%
1946	Below Norma	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%
1947	Dry	0%	0%	0%	0%	0%	19%	6%	6%	6%	6%	6%	6%
1948	Below Norma	6%	7%	7%	4%	6%	2%	-5%	-2%	-2%	-2%	-2%	-2%
1949	Dry	-2%	-2%	-2%	-11%	-11%	-8%	-6%	-6%	-6%	-7%	-8%	-8%
1950	Below Norma	-10%	-11%	-12%	-8%	-4%	6%	2%	1%	2%	2%	2%	1%
1951	Above Norma	2%	2%	2%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Norma	0%	0%	0%	1%	0%	0%	0%	0%	0%	-1%	-1%	0%
1955	Dry	0%	0%	0%	0%	0%	3%	-2%	0%	0%	2%	6%	6%
1956	Wet	12%	17%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norma	0%	0%	0%	1%	0%	0%	3%	4%	2%	2%	2%	2%
1958	Wet	2%	2%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	-1%	0%	0%	2%	1%	1%	1%	1%	1%	1%
1960	Dry	1%	1%	1%	0%	1%	1%	18%	3%	-3%	-1%	-6%	-6%
1961	Dry	10%	13%	33%	58%	-7%	-9%	11%	2%	-1%	0%	-3%	-2%
1962	Below Norma	6%	7%	18%	33%	35%	-52%	-11%	-4%	-4%	-4%	-4%	-4%
1963	Wet	-6%	-6%	-5%	-2%	0%	0%	-1%	0%	0%	-3%	-2%	-1%
1964	Dry	-1%	-1%	-1%	58%	0%	12%	-25%	-10%	-36%	1%	-2%	-1%
1965	Wet	6%	7%	16%	4%	0%	2%	3%	3%	3%	3%	3%	3%
1966	Below Norma	3%	3%	3%	0%	0%	0%	1%	1%	1%	1%	1%	1%
1967	Wet	1%	1%	1%	27%	0%	0%	-1%	-1%	-2%	-2%	-2%	-2%
1968	Below Norma	-2%	-2%	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%
1969	Wet	1%	1%	1%	26%	0%	0%	-1%	0%	-1%	-1%	-1%	-1%
1970	Wet	-1%	-2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	7%	-2%
1972	Below Norma	-3%	-2%	-1%	32%	0%	5%	14%	-4%	-6%	-5%	-8%	-7%
1973	Above Norma	0%	1%	14%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	8%	5%	5%	5%	5%	5%
1977	Critical	6%	6%	6%	3%	4%	0%	-21%	-24%	-26%	-25%	-25%	-25%
1978	Above Norma	-26%	-28%	-26%	123%	-15%	0%	0%	1%	0%	2%	2%	1%
1979	Below Norma	4%	5%	7%	-33%	-6%	-5%	0%	0%	0%	0%	0%	0%
1980	Above Norma	0%	0%	0%	1%	0%	0%	0%	1%	1%	1%	1%	1%
1981	Dry	1%	1%	1%	0%	0%	0%	1%	1%	1%	1%	1%	1%
1982	Wet	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	-1%	-5%	-3%	3%	-4%	-5%
1986	Wet	-5%	-5%	-5%	-2%	8%	0%	3%	4%	4%	4%	4%	4%
1987	Dry	4%	4%	4%	4%	-1%	-15%	-2%	-2%	-2%	-2%	-2%	-2%
1988	Critical	-2%	-2%	-2%	-4%	-7%	-3%	-7%	-7%	-7%	-7%	-7%	-7%
1989	Dry	-9%	-7%	-7%	-6%	-13%	0%	0%	0%	0%	1%	1%	1%
1990	Critical	1%	1%	2%	246%	225%	65%	1%	1%	1%	1%	1%	1%
1991	Critical	1%	1%	1%	-1%	-4%	-13%	6%	7%	7%	7%	7%	7%
1992	Critical	9%	7%	7%	4%	1%	-61%	18%	1%	1%	0%	-4%	-4%
1993	Above Norma	-8%	-13%	-12%	-5%	0%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	0%	0%	2%	15%	2%	-61%	9%	5%	6%
1995	Wet	23%	25%	48%	20%	0%	-2%	3%	8%	2%	4%	2%	1%
1996	Wet	1%	1%	-16%	0%	0%	0%	0%	2%	1%	1%	1%	1%
1997	Wet	1%	1%	1%	0%	0%	0%	4%	4%	4%	4%	4%	4%
1998	Wet	5%	5%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norma	0%	0%	0%	45%	0%	0%	4%	5%	1%	3%	1%	-2%
2001	Dry	-2%	-2%	-2%	0%	0%	0%	2%	2%	2%	2%	2%	2%
2002	Dry	2%	2%	2%	1%	10%	0%	5%	4%	3%	3%	3%	3%
2003	Above Norma	5%	5%	6%	19%	0%	17%	-6%	-1%	-4%	2%	1%	0%
Average		0%	0%	2%	11%	4%	1%	1%	0%	-2%	0%	0%	0%
Wet		1%	2%	2%	3%	0%	0%	0%	1%	0%	0%	1%	0%
Above Norma		-2%	-3%	-1%	33%	-1%	1%	1%	1%	0%	1%	0%	0%
Below Norma		0%	0%	1%	2%	3%	-3%	0%	-1%	-1%	-1%	0%	0%
Dry		1%	1%	3%	4%	0%	4%	4%	-1%	-3%	0%	-1%	-1%
Critical		1%	0%	2%	27%	27%	3%	1%	-2%	-7%	-1%	-2%	-2%

Difference in Energy Use (GWh) At Pumping Plant at Chrisman: CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norm	0	0	0	9	3	0	-2	-1	-1	-1	-1	-1	0
1923	Below Norm	-1	-1	-1	0	0	0	0	0	0	0	6	14	1
1924	Critical	5	4	4	10	9	4	0	1	1	1	1	1	3
1925	Dry	0	0	0	-20	0	2	0	-2	-2	0	5	5	-1
1926	Dry	7	9	6	2	-9	31	-1	0	-3	-3	-3	-3	3
1927	Wet	-3	-3	-3	1	0	0	0	-1	0	-1	-1	0	-1
1928	Above Norm	-1	-1	-1	18	0	2	8	-2	-2	-2	-2	-2	1
1929	Critical	-2	-2	-2	1	1	0	1	1	2	1	1	1	0
1930	Dry	1	0	0	0	-5	0	13	3	-1	1	-4	-3	1
1931	Critical	8	7	17	17	15	6	-5	-6	-7	-6	-5	-5	3
1932	Dry	-3	-2	-1	0	-1	-2	0	1	1	0	-3	-3	-1
1933	Critical	-4	-5	-2	-2	5	-1	1	1	1	0	-3	-3	-1
1934	Critical	-5	-6	-4	-1	5	0	0	-1	-1	-1	-1	-1	-1
1935	Below Norm	0	0	0	0	0	-7	6	0	0	0	0	0	0
1936	Below Norm	0	1	0	0	0	0	3	1	0	1	2	2	1
1937	Below Norm	4	-3	5	1	0	25	-4	-4	-4	-4	-4	-4	0
1938	Wet	-5	-5	-5	1	0	0	0	-2	0	0	0	0	-1
1939	Dry	0	0	0	0	0	1	0	0	0	0	0	0	0
1940	Above Norm	0	0	0	0	1	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	13	0	0	0	0	0	0	0	-2	1
1942	Wet	-6	-2	-2	0	0	0	0	0	0	0	0	0	-1
1943	Wet	0	0	0	0	0	0	1	1	1	1	1	1	1
1944	Dry	1	1	1	1	35	1	-6	-6	-6	-6	-6	-6	0
1945	Below Norm	-6	-6	-6	-1	7	-14	-1	0	0	0	0	0	-2
1946	Below Norm	0	0	0	0	0	0	0	0	2	0	0	0	0
1947	Dry	0	0	0	0	0	12	7	7	7	8	8	7	5
1948	Below Norm	7	7	7	2	2	1	-4	-3	-3	-3	-3	-3	1
1949	Dry	-3	-3	-3	-7	-6	-2	-4	-6	-6	-7	-9	-8	-5
1950	Below Norm	-7	-8	-6	-1	-1	5	2	2	2	2	2	2	0
1951	Above Norm	2	2	2	1	0	0	0	0	0	0	0	0	1
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	1	0	0	0	0	0	0
1954	Above Norm	0	0	0	1	0	1	0	0	0	-1	-2	0	0
1955	Dry	0	0	0	0	0	1	-1	0	0	2	6	6	1
1956	Wet	7	9	6	0	0	0	0	0	0	0	0	0	2
1957	Above Norm	0	0	0	1	0	0	5	5	2	2	2	2	2
1958	Wet	2	2	2	0	0	0	0	0	0	0	0	0	1
1959	Below Norm	0	0	-1	0	0	2	1	1	1	1	1	1	1
1960	Dry	1	1	1	0	1	1	20	5	-2	0	-8	-6	1
1961	Dry	11	12	25	23	-4	-8	10	3	0	1	-3	-2	6
1962	Below Norm	6	6	13	11	11	-63	-17	-6	-5	-6	-6	-6	-5
1963	Wet	-9	-8	-7	-2	0	0	0	-1	0	-5	-4	-1	-3
1964	Dry	-1	-1	-1	48	0	16	25	-10	-38	1	-2	-1	3
1965	Wet	6	6	12	5	0	2	3	3	3	3	3	3	4
1966	Below Norm	3	3	3	0	0	0	1	1	1	1	1	1	1
1967	Wet	1	1	1	25	0	0	-2	-2	-2	-2	-2	-2	1
1968	Below Norm	-2	-2	0	0	0	0	1	1	1	1	1	1	0
1969	Wet	1	1	1	23	0	0	-2	0	-2	-2	-2	-2	1
1970	Wet	-2	-2	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	11	-3	1
1972	Below Norm	-4	-2	-1	31	0	7	13	-3	-6	-5	-8	-7	1
1973	Above Norm	1	1	7	0	0	0	0	0	0	0	0	0	1
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	10	5	5	5	5	5	3
1977	Critical	5	5	5	2	2	0	-7	-9	-9	-8	-7	-7	-2
1978	Above Norm	-3	-2	-2	61	-17	0	1	2	0	3	3	2	4
1979	Below Norm	5	6	10	-15	-8	-6	1	1	1	1	1	1	0
1980	Above Norm	1	1	1	1	0	0	-1	1	1	1	1	1	0
1981	Dry	1	1	1	0	0	0	1	1	1	1	1	1	1
1982	Wet	1	1	1	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	-1	-7	-4	4	-5	-6	-2
1986	Wet	-6	-6	-6	-2	7	0	3	4	4	4	4	4	1
1987	Dry	4	4	4	4	-1	-20	-2	-2	-2	-2	-2	-2	-1
1988	Critical	-2	-2	-2	-3	-5	-1	-4	-5	-6	-5	-4	-4	-4
1989	Dry	-2	-1	-1	0	-1	0	1	1	0	1	1	1	0
1990	Critical	1	2	3	24	22	8	0	1	1	1	0	0	5
1991	Critical	0	0	0	0	0	-1	4	5	5	4	4	4	2
1992	Critical	2	1	1	0	0	-16	12	1	1	0	-4	-4	-1
1993	Above Norm	-5	-6	-4	-1	0	0	0	0	0	0	0	0	-1
1994	Critical	0	0	0	-1	0	3	14	4	-60	11	6	7	-1
1995	Wet	18	18	28	8	0	-3	5	12	3	6	3	2	8
1996	Wet	1	1	-23	0	0	0	0	2	1	1	1	1	-1
1997	Wet	1	1	1	0	0	0	4	4	4	4	4	4	2
1998	Wet	4	4	4	0	0	0	0	0	0	0	0	0	1
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norm	0	0	0	36	0	-1	5	8	2	5	1	-3	5
2001	Dry	-3	-3	-3	0	0	0	1	2	2	2	2	2	0
2002	Dry	1	1	1	0	10	0	5	4	4	4	3	3	3
2003	Above Norm	5	4	6	20	0	19	-8	-2	-6	1	1	0	3
Average		0	0	1	4	1	0	1	0	-1	0	0	0	1
Wet		1	1	0	3	0	0	0	1	0	0	1	0	1
Above Norm		0	0	1	12	-1	2	1	1	0	1	0	0	1
Below Norm		0	0	2	2	1	-4	0	-1	-1	-1	-1	0	0
Dry		1	1	2	3	1	2	4	0	-3	0	-1	-1	1
Critical		1	0	2	4	5	0	2	0	-6	0	-1	0	1

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at Chrisman: CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norm	0%	0%	0%	201%	3%	0%	-1%	-1%	-1%	-1%	-1%	-1%
1923	Below Norm	-1%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%	4%	11%
1924	Critical	4%	4%	4%	14%	14%	12%	1%	1%	2%	1%	1%	1%
1925	Dry	2%	2%	1%	-33%	0%	23%	0%	-2%	-2%	0%	6%	6%
1926	Dry	14%	23%	21%	10%	-8%	49%	-1%	0%	-2%	-2%	-2%	-2%
1927	Wet	-2%	-2%	-2%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1928	Above Norm	0%	0%	0%	16%	0%	1%	6%	-2%	-2%	-2%	-2%	-2%
1929	Critical	-2%	-2%	-2%	1%	1%	1%	2%	2%	2%	2%	2%	2%
1930	Dry	2%	2%	2%	3%	-13%	0%	17%	3%	-1%	1%	-3%	-2%
1931	Critical	8%	9%	28%	73%	70%	34%	-7%	-7%	-7%	-7%	-7%	-7%
1932	Dry	-9%	-8%	-7%	-6%	-1%	-4%	1%	1%	1%	-1%	-4%	-4%
1933	Critical	-8%	-13%	-7%	-12%	12%	-2%	2%	1%	1%	0%	-3%	-3%
1934	Critical	-7%	-10%	-10%	-4%	10%	-3%	-1%	-1%	-1%	-1%	-1%	-1%
1935	Below Norm	-1%	-1%	-1%	0%	0%	-6%	5%	0%	0%	0%	0%	0%
1936	Below Norm	0%	1%	0%	-5%	1%	0%	2%	1%	0%	1%	1%	1%
1937	Below Norm	3%	-3%	6%	7%	0%	21%	-3%	-3%	-3%	-3%	-3%	-3%
1938	Wet	-3%	-4%	-4%	1%	0%	0%	0%	-1%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1940	Above Norm	0%	0%	0%	0%	2%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	11%	0%	0%	0%	0%	0%	0%	0%	-1%
1942	Wet	-4%	-2%	-2%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%
1944	Dry	1%	1%	1%	1%	38%	1%	-4%	-4%	-4%	-4%	-4%	-4%
1945	Below Norm	-5%	-5%	-5%	-1%	8%	-11%	0%	0%	0%	0%	0%	0%
1946	Below Norm	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%
1947	Dry	0%	0%	0%	0%	0%	20%	6%	6%	6%	6%	6%	6%
1948	Below Norm	7%	7%	7%	4%	6%	3%	-5%	-2%	-2%	-2%	-2%	-2%
1949	Dry	-2%	-2%	-2%	-11%	-11%	-8%	-6%	-6%	-6%	-6%	-6%	-6%
1950	Below Norm	-10%	-11%	-12%	-8%	-4%	6%	2%	1%	1%	1%	1%	1%
1951	Above Norm	2%	2%	2%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Norm	0%	0%	0%	1%	0%	0%	0%	0%	0%	-1%	-1%	0%
1955	Dry	0%	0%	0%	0%	0%	3%	-2%	0%	0%	2%	6%	6%
1956	Wet	12%	17%	17%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norm	0%	0%	0%	1%	0%	0%	3%	4%	2%	2%	2%	2%
1958	Wet	2%	2%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norm	0%	0%	-1%	0%	0%	2%	1%	1%	1%	1%	1%	1%
1960	Dry	1%	1%	1%	0%	1%	1%	20%	4%	-1%	0%	-6%	-5%
1961	Dry	11%	13%	33%	59%	-6%	-9%	12%	2%	0%	1%	-2%	-2%
1962	Below Norm	6%	7%	19%	34%	35%	-53%	-11%	-4%	-3%	-4%	-4%	-4%
1963	Wet	-6%	-6%	-5%	-2%	0%	0%	0%	-1%	0%	-3%	-2%	-1%
1964	Dry	-1%	-1%	-1%	58%	0%	12%	-26%	-10%	-37%	1%	-2%	-1%
1965	Wet	7%	7%	16%	4%	0%	2%	3%	3%	3%	3%	3%	3%
1966	Below Norm	3%	3%	3%	0%	0%	0%	1%	1%	1%	1%	1%	1%
1967	Wet	1%	1%	1%	27%	0%	0%	-2%	-1%	-2%	-2%	-2%	-2%
1968	Below Norm	-2%	-2%	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%
1969	Wet	1%	1%	1%	26%	0%	0%	-1%	0%	-1%	-1%	-1%	-1%
1970	Wet	-2%	-2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	8%	-2%
1972	Below Norm	-3%	-2%	-1%	32%	0%	5%	15%	-3%	-6%	-5%	-8%	-7%
1973	Above Norm	1%	1%	14%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	8%	5%	5%	5%	5%	5%
1977	Critical	6%	6%	6%	3%	4%	1%	-21%	-24%	-26%	-25%	-25%	-26%
1978	Above Norm	-26%	-28%	-26%	123%	-15%	0%	0%	1%	0%	2%	2%	1%
1979	Below Norm	4%	5%	7%	-33%	-6%	-5%	0%	0%	0%	0%	0%	0%
1980	Above Norm	0%	0%	0%	1%	0%	0%	-1%	1%	1%	1%	1%	1%
1981	Dry	1%	1%	1%	0%	0%	0%	1%	1%	1%	1%	1%	1%
1982	Wet	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	-1%	-6%	-3%	4%	-4%	-5%
1986	Wet	-5%	-5%	-5%	-2%	8%	0%	3%	4%	4%	4%	4%	4%
1987	Dry	4%	4%	4%	4%	-1%	-16%	-2%	-2%	-2%	-2%	-2%	-2%
1988	Critical	-2%	-2%	-2%	-4%	-7%	-3%	-7%	-7%	-7%	-7%	-7%	-7%
1989	Dry	-9%	-7%	-7%	-7%	-13%	0%	0%	0%	0%	1%	1%	1%
1990	Critical	1%	1%	2%	252%	231%	69%	1%	1%	1%	1%	1%	1%
1991	Critical	1%	1%	1%	-1%	-4%	-13%	6%	7%	7%	7%	7%	7%
1992	Critical	9%	7%	7%	4%	1%	-64%	19%	1%	1%	-1%	-4%	-4%
1993	Above Norm	-9%	-14%	-12%	-5%	0%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	0%	0%	2%	17%	4%	-64%	11%	6%	7%
1995	Wet	24%	26%	48%	21%	0%	-2%	3%	8%	2%	4%	2%	1%
1996	Wet	1%	1%	-16%	0%	0%	0%	0%	2%	1%	1%	1%	1%
1997	Wet	1%	1%	1%	0%	0%	0%	4%	4%	4%	4%	4%	4%
1998	Wet	5%	5%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norm	0%	0%	0%	45%	0%	-1%	4%	5%	1%	3%	1%	-2%
2001	Dry	-2%	-2%	-2%	0%	0%	0%	2%	2%	2%	2%	2%	2%
2002	Dry	2%	2%	2%	1%	10%	0%	5%	4%	3%	3%	3%	3%
2003	Above Norm	5%	5%	6%	20%	0%	17%	-6%	-1%	-4%	2%	1%	0%
Average		0%	0%	2%	11%	4%	1%	1%	0%	-2%	0%	0%	0%
Wet		1%	2%	2%	3%	0%	0%	0%	1%	0%	0%	1%	0%
Above Norm		-2%	-3%	-1%	34%	-1%	2%	1%	1%	0%	1%	0%	0%
Below Norm		0%	0%	2%	2%	3%	-3%	0%	0%	-1%	-1%	0%	0%
Dry		1%	2%	3%	4%	0%	4%	4%	0%	-3%	0%	-1%	-1%
Critical		1%	0%	2%	27%	28%	3%	2%	-1%	-7%	-1%	-2%	-2%

Energy Use (GWh) At Pumping Plant at Del Valle: CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	0.17	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.07	0.08	0.07	0.05	2
1923	Below Normal	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.06	0.08	0.07	0.05	1
1924	Critical	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.06	0.07	0.08	0.07	0.05	1
1925	Dry	0.00	0.00	0.00	0.54	0.00	0.00	0.29	0.05	0.07	0.08	0.07	0.04	1
1926	Dry	0.00	0.00	0.00	0.00	1.08	0.00	0.24	0.05	0.07	0.08	0.07	0.04	2
1927	Wet	0.00	0.00	0.00	0.00	0.84	0.26	0.03	0.05	0.06	0.08	0.06	0.04	1
1928	Above Normal	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.06	0.07	0.08	0.07	0.05	1
1929	Critical	0.00	0.00	0.00	0.00	0.00	0.73	0.38	0.05	0.06	0.08	0.07	0.05	1
1930	Dry	0.00	0.00	0.00	0.00	1.08	0.02	0.03	0.04	0.07	0.07	0.07	0.04	1
1931	Critical	0.00	0.00	0.00	0.00	0.00	0.73	0.40	0.06	0.06	0.09	0.07	0.04	1
1932	Dry	0.00	0.00	0.00	0.00	1.08	0.02	0.03	0.05	0.07	0.07	0.07	0.05	1
1933	Critical	0.00	0.00	0.00	0.00	1.08	0.01	0.03	0.04	0.06	0.08	0.07	0.05	1
1934	Critical	0.00	0.00	0.00	0.00	1.08	0.02	0.04	0.06	0.07	0.08	0.07	0.05	1
1935	Below Normal	0.00	0.00	0.00	0.00	0.00	1.09	0.03	0.05	0.07	0.07	0.07	0.05	1
1936	Below Normal	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.06	0.08	0.07	0.05	1
1937	Below Normal	0.00	0.00	0.00	0.00	0.00	1.09	0.03	0.05	0.06	0.08	0.07	0.05	1
1938	Wet	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.07	0.08	0.07	0.05	1
1939	Dry	0.00	0.00	0.85	0.22	0.00	0.34	0.40	0.05	0.07	0.08	0.07	0.05	2
1940	Above Normal	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.06	0.07	0.07	0.07	0.05	1
1941	Wet	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.06	0.08	0.07	0.05	1
1942	Wet	0.00	0.00	0.00	0.00	0.59	0.50	0.03	0.05	0.07	0.08	0.07	0.05	1
1943	Wet	0.00	0.00	0.00	0.79	0.29	0.01	0.03	0.06	0.06	0.08	0.07	0.05	1
1944	Dry	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.06	0.07	0.07	0.05	1
1945	Below Normal	0.00	0.00	0.00	0.00	1.08	0.00	0.40	0.05	0.07	0.08	0.07	0.05	2
1946	Below Normal	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.06	0.08	0.07	0.05	1
1947	Dry	0.00	0.00	0.00	0.00	0.00	1.09	0.04	0.06	0.07	0.07	0.07	0.05	1
1948	Below Normal	0.00	0.00	0.00	0.00	0.00	0.73	0.38	0.05	0.06	0.08	0.07	0.05	1
1949	Dry	0.00	0.00	0.00	0.00	0.00	0.73	0.40	0.05	0.07	0.08	0.07	0.05	1
1950	Below Normal	0.00	0.00	0.00	0.00	0.00	1.09	0.04	0.05	0.06	0.08	0.07	0.05	1
1951	Above Normal	0.00	0.00	0.00	0.00	0.60	0.49	0.03	0.05	0.06	0.07	0.07	0.05	1
1952	Wet	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.06	0.06	0.08	0.07	0.05	1
1953	Wet	0.03	0.01	0.00	0.00	0.00	0.76	0.03	0.04	0.06	0.08	0.07	0.05	1
1954	Above Normal	0.00	0.00	0.00	0.00	0.00	0.83	0.30	0.06	0.07	0.08	0.06	0.05	1
1955	Dry	0.00	0.00	0.00	0.00	0.00	0.73	0.38	0.05	0.06	0.07	0.07	0.05	1
1956	Wet	0.00	0.00	0.00	0.00	0.39	0.71	0.03	0.05	0.07	0.08	0.07	0.05	1
1957	Above Normal	0.00	0.00	0.00	0.00	0.00	0.73	0.40	0.05	0.07	0.08	0.07	0.05	1
1958	Wet	0.00	0.00	0.00	1.02	0.06	0.01	0.04	0.06	0.07	0.08	0.08	0.06	1
1959	Below Normal	0.00	0.00	0.83	0.25	0.00	0.00	0.40	0.05	0.07	0.08	0.07	0.05	2
1960	Dry	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.08	0.08	0.07	0.05	1
1961	Dry	0.00	0.00	0.00	0.00	1.08	0.01	0.03	0.04	0.07	0.08	0.07	0.05	1
1962	Below Normal	0.00	0.00	0.00	0.00	0.00	0.73	0.40	0.05	0.06	0.07	0.07	0.04	1
1963	Wet	0.00	0.00	0.00	0.00	0.00	0.73	0.38	0.05	0.06	0.07	0.07	0.05	1
1964	Dry	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.06	0.07	0.07	0.05	1
1965	Wet	0.00	0.00	0.00	0.00	0.50	0.60	0.03	0.05	0.06	0.07	0.07	0.04	1
1966	Below Normal	0.00	0.00	0.00	0.00	0.61	0.48	0.04	0.05	0.07	0.07	0.07	0.05	1
1967	Wet	0.00	0.00	0.00	0.00	0.53	0.57	0.01	0.05	0.06	0.08	0.08	0.05	1
1968	Below Normal	0.00	0.61	0.11	0.00	0.00	0.02	0.04	0.05	0.07	0.08	0.07	0.05	1
1969	Wet	0.00	0.00	0.00	0.00	0.53	0.56	0.03	0.06	0.07	0.08	0.07	0.05	1
1970	Wet	0.00	0.00	0.79	0.28	0.00	0.02	0.03	0.06	0.07	0.08	0.07	0.05	1
1971	Wet	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.06	0.08	0.07	0.05	1
1972	Below Normal	0.00	0.00	0.00	0.00	0.00	0.74	0.39	0.05	0.07	0.08	0.07	0.05	1
1973	Above Normal	0.00	0.00	0.00	0.57	0.51	0.01	0.04	0.06	0.07	0.08	0.07	0.05	1
1974	Wet	0.00	0.00	0.00	0.00	0.61	0.49	0.03	0.05	0.07	0.08	0.07	0.05	1
1975	Wet	0.00	0.00	0.00	0.28	0.70	0.12	0.02	0.06	0.07	0.07	0.07	0.05	1
1976	Critical	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.06	0.07	0.08	0.06	0.05	1
1977	Critical	0.00	0.00	0.00	0.00	0.00	0.73	0.40	0.04	0.07	0.07	0.07	0.04	1
1978	Above Normal	0.00	0.00	0.00	0.41	0.00	0.02	0.03	0.05	0.07	0.08	0.07	0.05	1
1979	Below Normal	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.06	0.07	0.08	0.07	0.05	1
1980	Above Normal	0.00	0.00	0.00	0.00	0.68	0.42	0.03	0.05	0.06	0.08	0.06	0.05	1
1981	Dry	0.00	0.00	0.00	0.00	0.11	0.88	0.14	0.06	0.08	0.08	0.07	0.05	1
1982	Wet	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.06	0.07	0.07	0.05	1
1983	Wet	0.00	0.00	0.87	0.21	0.00	0.01	0.03	0.05	0.06	0.07	0.07	0.05	1
1984	Wet	0.03	0.01	0.00	0.00	0.00	0.02	0.03	0.06	0.07	0.08	0.07	0.06	0
1985	Dry	0.00	0.00	0.00	0.00	0.00	0.73	0.40	0.05	0.07	0.08	0.07	0.04	1
1986	Wet	0.00	0.00	0.00	0.00	1.08	0.02	0.03	0.05	0.07	0.08	0.07	0.04	1
1987	Dry	0.00	0.00	0.00	0.00	0.00	0.73	0.40	0.06	0.07	0.07	0.07	0.05	1
1988	Critical	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.07	0.08	0.07	0.05	1
1989	Dry	0.00	0.00	0.00	0.00	0.00	1.09	0.04	0.05	0.07	0.08	0.07	0.05	1
1990	Critical	0.00	0.00	0.00	0.00	0.00	0.73	0.40	0.05	0.07	0.08	0.07	0.05	1
1991	Critical	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.06	0.08	0.07	0.05	1
1992	Critical	0.00	0.00	0.00	0.00	0.00	1.09	0.04	0.06	0.07	0.08	0.07	0.05	1
1993	Above Normal	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.07	0.08	0.07	0.05	1
1994	Critical	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.07	0.07	0.07	0.05	1
1995	Wet	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.06	0.08	0.07	0.05	1
1996	Wet	0.00	0.00	0.80	0.27	0.00	0.02	0.04	0.05	0.07	0.08	0.07	0.05	1
1997	Wet	0.00	0.00	0.00	0.00	0.61	0.49	0.04	0.06	0.07	0.08	0.07	0.05	1
1998	Wet	0.00	0.00	0.00	0.00	0.60	0.49	0.03	0.04	0.06	0.08	0.07	0.05	1
1999	Wet	0.02	0.01	0.00	0.00	0.00	0.01	0.03	0.05	0.07	0.07	0.07	0.05	0
2000	Above Normal	0.00	0.00	0.00	0.00	0.00	0.73	0.40	0.06	0.07	0.07	0.07	0.05	1
2001	Dry	0.00	0.00	0.00	0.00	0.00	1.10	0.03	0.07	0.07	0.08	0.07	0.05	1
2002	Dry	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.07	0.08	0.07	0.05	1
2003	Above Normal	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.07	0.08	0.07	0.05	1
Average		0	0	0	0	0	1	0	0	0	0	0	0	1
Wet		0	0	0	0	0	0	0	0	0	0	0	0	1
Above Normal		0	0	0	0	0	1	0	0	0	0	0	0	1
Below Normal		0	0	0	0	0	1	0	0	0	0	0	0	1
Dry		0	0	0	0	0	1	0	0	0	0	0	0	1
Critical		0	0	0	0	0	1	0	0	0	0	0	0	1

Energy Use (GWh) At Pumping Plant at Del Valle: CP3_2020

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	0.17	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.07	0.08	0.07	0.05	2
1923	Below Normal	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.06	0.08	0.07	0.05	1
1924	Critical	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.06	0.07	0.08	0.07	0.05	1
1925	Dry	0.00	0.00	0.00	0.55	0.00	0.00	0.28	0.05	0.07	0.08	0.07	0.04	1
1926	Dry	0.00	0.00	0.00	0.00	1.08	0.00	0.40	0.05	0.07	0.08	0.07	0.04	2
1927	Wet	0.00	0.00	0.00	0.00	0.79	0.30	0.03	0.05	0.06	0.08	0.06	0.04	1
1928	Above Normal	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.06	0.07	0.08	0.07	0.05	1
1929	Critical	0.00	0.00	0.00	0.00	0.00	0.73	0.38	0.05	0.06	0.08	0.07	0.05	1
1930	Dry	0.00	0.00	0.00	0.00	1.08	0.02	0.03	0.04	0.07	0.07	0.07	0.04	1
1931	Critical	0.00	0.00	0.00	0.00	0.00	0.73	0.40	0.06	0.06	0.09	0.07	0.04	1
1932	Dry	0.00	0.00	0.00	0.00	1.08	0.02	0.03	0.05	0.07	0.07	0.07	0.05	1
1933	Critical	0.00	0.00	0.00	0.00	1.08	0.01	0.03	0.04	0.06	0.08	0.07	0.05	1
1934	Critical	0.00	0.00	0.00	0.00	1.08	0.02	0.04	0.06	0.07	0.08	0.07	0.05	1
1935	Below Normal	0.00	0.00	0.00	0.00	0.00	1.09	0.03	0.05	0.07	0.07	0.07	0.05	1
1936	Below Normal	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.06	0.08	0.07	0.05	1
1937	Below Normal	0.00	0.00	0.00	0.00	0.00	0.94	0.18	0.05	0.06	0.08	0.07	0.05	1
1938	Wet	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.07	0.08	0.07	0.05	1
1939	Dry	0.00	0.00	0.86	0.22	0.00	0.00	0.34	0.40	0.05	0.07	0.08	0.07	2
1940	Above Normal	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.06	0.07	0.07	0.07	0.05	1
1941	Wet	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.06	0.08	0.07	0.05	1
1942	Wet	0.00	0.00	0.00	0.00	0.59	0.50	0.03	0.05	0.07	0.08	0.07	0.05	1
1943	Wet	0.00	0.00	0.00	0.78	0.30	0.01	0.03	0.06	0.06	0.08	0.07	0.05	1
1944	Dry	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.06	0.07	0.07	0.05	1
1945	Below Normal	0.00	0.00	0.00	0.00	1.08	0.00	0.40	0.05	0.07	0.08	0.07	0.05	2
1946	Below Normal	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.06	0.08	0.07	0.05	1
1947	Dry	0.00	0.00	0.00	0.00	0.00	1.09	0.04	0.06	0.07	0.07	0.07	0.05	1
1948	Below Normal	0.00	0.00	0.00	0.00	0.00	0.73	0.38	0.05	0.06	0.08	0.07	0.05	1
1949	Dry	0.00	0.00	0.00	0.00	0.00	0.73	0.40	0.05	0.07	0.08	0.07	0.05	1
1950	Below Normal	0.00	0.00	0.00	0.00	0.00	1.09	0.04	0.05	0.06	0.08	0.07	0.05	1
1951	Above Normal	0.00	0.00	0.00	0.00	0.60	0.49	0.03	0.05	0.06	0.07	0.07	0.05	1
1952	Wet	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.06	0.06	0.08	0.07	0.05	1
1953	Wet	0.03	0.01	0.00	0.00	0.00	0.76	0.03	0.04	0.06	0.08	0.07	0.05	1
1954	Above Normal	0.00	0.00	0.00	0.00	0.00	0.82	0.31	0.06	0.07	0.08	0.06	0.05	1
1955	Dry	0.00	0.00	0.00	0.00	0.00	0.73	0.38	0.05	0.06	0.07	0.07	0.05	1
1956	Wet	0.00	0.00	0.00	0.00	0.35	0.74	0.03	0.05	0.07	0.08	0.07	0.05	1
1957	Above Normal	0.00	0.00	0.00	0.00	0.00	0.73	0.40	0.05	0.07	0.08	0.07	0.05	1
1958	Wet	0.00	0.00	0.00	1.00	0.08	0.01	0.04	0.06	0.07	0.08	0.08	0.06	1
1959	Below Normal	0.00	0.00	0.83	0.25	0.00	0.00	0.40	0.05	0.07	0.08	0.07	0.05	2
1960	Dry	0.00	0.00	0.00	0.00	0.00	1.09	0.04	0.05	0.08	0.08	0.07	0.05	1
1961	Dry	0.00	0.00	0.00	0.00	0.00	1.09	0.03	0.04	0.07	0.08	0.07	0.05	1
1962	Below Normal	0.00	0.00	0.00	0.00	0.00	1.09	0.04	0.05	0.06	0.07	0.07	0.04	1
1963	Wet	0.00	0.00	0.00	0.00	0.00	0.73	0.38	0.05	0.06	0.07	0.07	0.05	1
1964	Dry	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.06	0.07	0.07	0.05	1
1965	Wet	0.00	0.00	0.00	0.00	0.64	0.45	0.03	0.05	0.06	0.07	0.07	0.04	1
1966	Below Normal	0.00	0.00	0.00	0.00	0.61	0.48	0.04	0.05	0.07	0.07	0.07	0.05	1
1967	Wet	0.00	0.00	0.00	0.00	0.00	0.73	0.37	0.05	0.06	0.08	0.08	0.05	1
1968	Below Normal	0.00	0.63	0.09	0.00	0.00	0.02	0.04	0.05	0.07	0.08	0.07	0.05	1
1969	Wet	0.00	0.00	0.00	0.00	0.55	0.54	0.03	0.06	0.07	0.08	0.07	0.05	1
1970	Wet	0.00	0.00	0.82	0.26	0.00	0.02	0.03	0.06	0.07	0.08	0.07	0.05	1
1971	Wet	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.06	0.08	0.07	0.05	1
1972	Below Normal	0.00	0.00	0.00	0.00	0.00	0.74	0.39	0.05	0.07	0.08	0.07	0.05	1
1973	Above Normal	0.00	0.00	0.00	0.78	0.30	0.01	0.04	0.06	0.07	0.08	0.07	0.05	1
1974	Wet	0.00	0.00	0.00	0.00	0.61	0.49	0.03	0.05	0.07	0.08	0.07	0.05	1
1975	Wet	0.00	0.00	0.00	0.35	0.69	0.05	0.02	0.06	0.07	0.07	0.07	0.05	1
1976	Critical	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.06	0.07	0.08	0.06	0.05	1
1977	Critical	0.00	0.00	0.00	0.00	0.00	0.73	0.40	0.04	0.07	0.07	0.07	0.04	1
1978	Above Normal	0.00	0.00	0.00	0.31	0.00	0.02	0.03	0.05	0.07	0.08	0.07	0.05	1
1979	Below Normal	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.06	0.07	0.08	0.07	0.05	1
1980	Above Normal	0.00	0.00	0.00	0.00	0.00	0.83	0.29	0.05	0.06	0.08	0.06	0.05	1
1981	Dry	0.00	0.00	0.00	0.00	0.00	0.87	0.25	0.06	0.08	0.08	0.07	0.05	1
1982	Wet	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.06	0.07	0.07	0.05	1
1983	Wet	0.00	0.00	0.87	0.21	0.00	0.01	0.03	0.05	0.06	0.07	0.07	0.05	1
1984	Wet	0.03	0.01	0.00	0.00	0.00	0.02	0.03	0.06	0.07	0.08	0.07	0.06	0
1985	Dry	0.00	0.00	0.00	0.00	0.00	0.73	0.40	0.05	0.07	0.08	0.07	0.04	1
1986	Wet	0.00	0.00	0.00	0.00	1.08	0.02	0.03	0.05	0.07	0.08	0.07	0.04	1
1987	Dry	0.00	0.00	0.00	0.00	0.00	0.73	0.40	0.06	0.07	0.07	0.07	0.05	1
1988	Critical	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.07	0.08	0.07	0.05	1
1989	Dry	0.00	0.00	0.00	0.00	0.00	1.09	0.04	0.05	0.07	0.08	0.07	0.05	1
1990	Critical	0.00	0.00	0.00	0.00	0.00	0.73	0.40	0.05	0.07	0.08	0.07	0.05	1
1991	Critical	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.06	0.08	0.07	0.05	1
1992	Critical	0.00	0.00	0.00	0.00	0.00	0.73	0.40	0.06	0.07	0.08	0.07	0.05	1
1993	Above Normal	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.07	0.08	0.07	0.05	1
1994	Critical	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.07	0.07	0.07	0.05	1
1995	Wet	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.06	0.08	0.07	0.05	1
1996	Wet	0.00	0.00	0.00	0.77	0.31	0.02	0.04	0.05	0.07	0.08	0.07	0.05	1
1997	Wet	0.00	0.00	0.00	0.00	0.61	0.49	0.04	0.06	0.07	0.08	0.07	0.05	1
1998	Wet	0.00	0.00	0.00	0.00	0.60	0.49	0.03	0.04	0.06	0.08	0.07	0.05	1
1999	Wet	0.00	0.14	0.00	0.00	0.00	0.01	0.03	0.05	0.07	0.07	0.07	0.05	0
2000	Above Normal	0.00	0.00	0.00	0.00	0.00	0.73	0.40	0.06	0.07	0.07	0.07	0.05	1
2001	Dry	0.00	0.00	0.00	0.00	0.00	1.10	0.03	0.07	0.07	0.08	0.07	0.05	1
2002	Dry	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.07	0.08	0.07	0.05	1
2003	Above Normal	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.07	0.08	0.07	0.05	1
Average		0	0	0	0	0	1	0	0	0	0	0	0	1
Wet		0	0	0	0	0	0	0	0	0	0	0	0	1
Above Normal		0	0	0	0	0	1	0	0	0	0	0	0	1
Below Normal		0	0	0	0	0	1	0	0	0	0	0	0	1
Dry		0	0	0	0	0	1	0	0	0	0	0	0	1
Critical		0	0	0	0	0	1	0	0	0	0	0	0	1

Difference in Energy Use (GWh) At Pumping Plant at Del Valle: CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1927	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1932	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1935	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1940	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1945	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1946	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1947	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1948	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1949	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1951	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1961	Dry	0	0	0	0	-1	1	0	0	0	0	0	0	0
1962	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1963	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1965	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1966	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	0	-1	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	Above Norma	0	0	0	0	-1	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	-1	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Below Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Dry		0	0	0	0	0	0	0	0	0	0	0	0	0
Critical		0	0	0	0	0	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at Del Valle: CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1923	Below Norma	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1924	Critical	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1925	Dry	-	-	-	1%	0%	-	-3%	0%	0%	0%	0%	0%
1926	Dry	-	-	-	-	0%	-	63%	0%	0%	0%	0%	0%
1927	Wet	-	-	0%	-	-5%	18%	0%	0%	0%	0%	0%	0%
1928	Above Norma	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1929	Critical	-	-	-	-	0%	0%	0%	0%	0%	0%	0%	0%
1930	Dry	-	-	-	-	0%	0%	0%	0%	0%	0%	0%	0%
1931	Critical	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1932	Dry	-	-	-	-	0%	0%	0%	0%	0%	0%	0%	0%
1933	Critical	-	-	-	-	0%	0%	0%	0%	0%	0%	0%	0%
1934	Critical	-	-	-100%	-	0%	0%	0%	0%	0%	0%	0%	0%
1935	Below Norma	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1936	Below Norma	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1937	Below Norma	-	-	0%	-	0%	-14%	492%	0%	0%	0%	0%	0%
1938	Wet	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	-	-	0%	-1%	-	1%	0%	0%	0%	0%	0%	0%
1940	Above Norma	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1942	Wet	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	-	-	0%	-1%	3%	0%	0%	0%	0%	0%	0%	0%
1944	Dry	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1945	Below Norma	-	-	0%	-	0%	-	0%	0%	0%	0%	0%	0%
1946	Below Norma	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1947	Dry	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1948	Below Norma	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1949	Dry	-	-	-	-	0%	0%	0%	0%	0%	0%	0%	0%
1950	Below Norma	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1951	Above Norma	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Norma	-	-	0%	-	0%	-1%	2%	0%	0%	0%	0%	0%
1955	Dry	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1956	Wet	-	-	-	-	-9%	5%	0%	0%	0%	0%	0%	0%
1957	Above Norma	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1958	Wet	-	-	0%	-2%	34%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norma	-	-	0%	0%	0%	-	0%	0%	0%	0%	0%	0%
1960	Dry	-	-	0%	-	0%	48%	-90%	0%	0%	0%	0%	0%
1961	Dry	-	-	0%	-	-100%	7997%	0%	0%	0%	0%	0%	0%
1962	Below Norma	-	-	0%	-	0%	49%	-91%	0%	0%	0%	0%	0%
1963	Wet	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1964	Dry	-	-	-	-	0%	0%	0%	0%	0%	0%	0%	0%
1965	Wet	-	-	0%	-	30%	-25%	0%	0%	0%	0%	0%	0%
1966	Below Norma	-	-	-	-	0%	0%	0%	0%	0%	0%	0%	0%
1967	Wet	-	-	0%	-	-100%	29%	2486%	0%	0%	0%	0%	0%
1968	Below Norma	-	3%	-18%	-	0%	0%	0%	0%	0%	0%	0%	0%
1969	Wet	-	-	0%	-	4%	-4%	0%	0%	0%	0%	0%	0%
1970	Wet	-	-	3%	-	0%	0%	0%	0%	0%	0%	0%	0%
1971	Wet	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1972	Below Norma	-	-	-	-	0%	0%	0%	0%	0%	0%	0%	0%
1973	Above Norma	-	-	-	36%	-40%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	-	-	0%	26%	-1%	-57%	0%	0%	0%	0%	0%	0%
1976	Critical	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1977	Critical	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1978	Above Norma	-	-	-	-26%	0%	0%	0%	0%	0%	0%	0%	0%
1979	Below Norma	-	-	-	-	0%	0%	0%	0%	0%	0%	0%	0%
1980	Above Norma	-	-	0%	-	-100%	99%	816%	0%	0%	0%	0%	0%
1981	Dry	-	-	0%	-	-98%	-1%	77%	0%	0%	0%	0%	0%
1982	Wet	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	-	-	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1986	Wet	-	-	-	-	0%	0%	0%	0%	0%	0%	0%	0%
1987	Dry	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1988	Critical	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1989	Dry	-	-	-	-	-100%	0%	0%	0%	0%	0%	0%	0%
1990	Critical	-	-	-	-	0%	0%	0%	0%	0%	0%	0%	0%
1991	Critical	-	-	-	-	0%	0%	0%	0%	0%	0%	0%	0%
1992	Critical	-	-	-	-	-	-33%	892%	0%	0%	0%	0%	0%
1993	Above Norma	-	-	-	-	0%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1995	Wet	-	-	-	-	0%	0%	0%	0%	0%	0%	0%	0%
1996	Wet	-	-	-100%	181%	10628%	0%	0%	0%	0%	0%	0%	0%
1997	Wet	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1998	Wet	-	-	0%	-	-1%	1%	0%	0%	0%	0%	0%	0%
1999	Wet	-100%	868%	-	-	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norma	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
2001	Dry	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
2002	Dry	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
2003	Above Norma	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
Average		-25%	218%	-4%	19%	128%	104%	57%	0%	0%	0%	0%	0%
Wet		-4%	33%	-4%	8%	407%	-1%	96%	0%	0%	0%	0%	0%
Above Norma		0%	0%	0%	1%	-12%	8%	68%	0%	0%	0%	0%	0%
Below Norma		0%	0%	-1%	0%	0%	3%	29%	0%	0%	0%	0%	0%
Dry		0%	0%	0%	0%	-17%	447%	3%	0%	0%	0%	0%	0%
Critical		0%	0%	-8%	0%	0%	-3%	74%	0%	0%	0%	0%	0%

Difference in Energy Use (GWh) At Pumping Plant at Edmonston: CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norm	0	0	0	32	11	0	-5	-4	-3	-5	-5	-4	1
1923	Below Norm	-5	-4	-4	0	0	0	0	1	0	1	21	49	5
1924	Critical	18	14	14	36	32	13	2	2	3	2	2	2	12
1925	Dry	1	1	0	-69	1	5	0	-6	-6	1	19	18	-3
1926	Dry	25	33	22	6	-32	108	-5	1	-9	-10	-10	-9	10
1927	Wet	-9	-9	-9	3	0	0	-2	-2	-1	-2	-2	-2	-3
1928	Above Norm	-2	-2	-2	63	0	6	27	-8	-8	-8	-8	-8	4
1929	Critical	-8	-8	-7	2	2	1	4	5	6	5	4	4	1
1930	Dry	2	1	1	1	-16	1	46	11	-3	3	-13	-10	2
1931	Critical	26	25	58	61	54	20	-16	-22	-23	-21	-18	-17	11
1932	Dry	-10	-5	-4	-1	-3	-7	2	2	2	-2	-11	-11	-4
1933	Critical	-14	-18	-7	-7	18	-5	3	4	5	0	-11	-11	-3
1934	Critical	-16	-21	-14	-3	16	-2	-1	-2	-2	-2	-2	-2	-4
1935	Below Norm	-2	-1	-1	0	0	-25	20	0	0	0	0	0	-1
1936	Below Norm	0	4	-1	-1	0	1	11	4	0	5	5	6	3
1937	Below Norm	14	-12	16	2	0	86	-15	-16	-15	-16	-14	-14	1
1938	Wet	-16	-16	-16	2	0	0	0	-6	-1	-1	-1	-1	-5
1939	Dry	-1	-1	-1	0	2	5	0	0	0	0	0	0	0
1940	Above Norm	0	0	0	0	2	0	1	0	0	0	0	0	0
1941	Wet	0	0	0	46	0	0	-1	-1	0	-1	-1	-8	3
1942	Wet	-19	-8	-8	0	0	0	0	0	0	0	0	0	-3
1943	Wet	0	0	0	0	0	0	4	4	4	4	4	4	2
1944	Dry	4	4	4	2	124	3	-20	-22	-21	-22	-22	-21	1
1945	Below Norm	-21	-20	-20	-2	23	-49	-2	1	1	1	1	1	-7
1946	Below Norm	1	1	1	0	0	0	0	0	7	-1	-1	-1	1
1947	Dry	-1	-1	-1	-1	0	41	25	26	26	26	26	26	16
1948	Below Norm	25	24	24	5	8	2	-13	-11	-10	-11	-11	-10	2
1949	Dry	-10	-10	-10	-25	-22	-8	-15	-20	-22	-24	-30	-29	-19
1950	Below Norm	-26	-27	-19	-5	-3	16	7	7	7	7	7	7	-2
1951	Above Norm	7	6	6	3	0	0	0	0	0	0	0	0	2
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	2	1	1	1	1	1	1
1954	Above Norm	1	1	1	3	0	2	0	0	0	-4	-7	-2	0
1955	Dry	-2	-2	-1	0	0	5	-4	1	0	6	20	20	4
1956	Wet	25	31	21	0	0	0	0	0	0	0	0	0	6
1957	Above Norm	0	0	0	2	0	0	16	17	8	8	8	8	6
1958	Wet	8	7	7	0	0	0	0	0	0	0	0	0	2
1959	Below Norm	0	0	-4	0	0	8	4	4	4	5	5	4	3
1960	Dry	4	4	4	1	3	2	71	17	-6	1	-27	-21	4
1961	Dry	39	41	88	82	-13	-28	36	10	-1	2	-11	-8	20
1962	Below Norm	21	21	46	40	38	-221	-60	-22	-18	-22	-20	-20	-18
1963	Wet	-30	-28	-24	-8	0	1	2	-4	0	-18	-13	-5	-11
1964	Dry	-5	-4	-4	167	0	56	89	-36	-134	5	-7	-4	10
1965	Wet	20	21	41	18	0	6	10	10	10	10	10	10	14
1966	Below Norm	9	9	9	0	0	0	2	3	2	3	3	2	3
1967	Wet	2	2	2	88	0	0	-8	-6	-8	-8	-8	-8	4
1968	Below Norm	-8	-8	0	0	0	0	4	4	4	4	4	4	1
1969	Wet	4	4	4	80	0	0	-6	-2	-7	-7	-7	-7	5
1970	Wet	-7	-7	0	0	0	0	1	1	1	1	1	1	-1
1971	Wet	1	1	1	0	0	0	0	0	0	0	37	-12	2
1972	Below Norm	-14	-7	-3	110	0	24	44	-10	-20	-17	-29	-26	4
1973	Above Norm	2	2	26	0	0	0	2	2	2	2	2	2	3
1974	Wet	2	2	2	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	1	-1	0	-1	-1	-1	0
1976	Critical	0	0	0	0	0	0	36	19	19	19	19	19	11
1977	Critical	18	17	17	7	7	1	-24	-30	-32	-29	-24	-23	-8
1978	Above Norm	-10	-7	-6	212	-61	-2	2	6	0	10	10	7	13
1979	Below Norm	19	22	33	-51	-27	-21	2	2	2	2	2	2	-1
1980	Above Norm	2	2	2	5	0	0	-2	2	2	2	2	2	2
1981	Dry	2	2	2	1	0	0	4	4	4	4	4	4	3
1982	Wet	4	4	4	0	0	0	0	0	0	0	0	0	1
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	-4	-26	-15	15	-16	-23	-6
1986	Wet	-23	-22	-22	-6	23	0	12	15	15	15	16	15	3
1987	Dry	15	14	14	16	-4	-69	-8	-8	-8	-8	-8	-8	-5
1988	Critical	-8	-7	-7	-10	-16	-3	-14	-19	-21	-19	-15	-15	-13
1989	Dry	-9	-5	-4	-1	-4	1	2	2	0	3	3	4	-1
1990	Critical	5	6	9	84	77	29	1	2	2	2	2	1	18
1991	Critical	1	0	0	0	-1	-3	13	17	18	16	14	13	7
1992	Critical	8	4	4	1	0	-57	40	3	3	-2	-13	-13	-2
1993	Above Norm	-17	-22	-14	-3	-1	0	0	0	0	0	0	0	-5
1994	Critical	0	0	0	-2	1	11	49	13	-212	38	22	25	-5
1995	Wet	64	63	97	30	0	-10	17	41	10	20	12	6	29
1996	Wet	4	4	-82	0	0	0	-2	8	3	3	3	3	-5
1997	Wet	3	3	3	0	0	0	14	14	14	14	14	14	8
1998	Wet	14	13	13	0	0	0	0	0	0	0	0	0	4
1999	Wet	0	0	0	0	0	0	1	1	1	1	1	1	1
2000	Above Norm	1	1	1	125	0	-3	19	27	7	18	5	-10	16
2001	Dry	-11	-10	-10	0	-1	0	4	5	6	6	6	6	0
2002	Dry	5	4	3	1	34	0	19	15	13	13	11	11	11
2003	Above Norm	16	16	20	71	0	68	-27	-6	-22	5	4	0	12
Average		2	2	4	15	3	0	5	1	-5	1	0	-1	2
Wet		2	2	1	10	1	0	2	3	2	1	3	1	2
Above Norm		0	0	3	43	-4	6	3	3	-1	2	1	0	5
Below Norm		1	0	5	7	3	-13	0	-2	-2	-3	-2	0	0
Dry		3	4	6	10	4	6	13	-1	-10	1	-4	-3	2
Critical		2	1	5	14	16	0	8	-1	-20	1	-2	-1	2

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at Edmonston: CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	201%	3%	0%	-1%	-1%	-1%	-1%	-1%	-1%
1923	Below Norma	-1%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%	4%	11%
1924	Critical	4%	4%	4%	14%	14%	12%	1%	1%	2%	1%	1%	1%
1925	Dry	2%	2%	1%	-33%	0%	23%	0%	-2%	-2%	0%	6%	6%
1926	Dry	14%	23%	21%	10%	-8%	49%	-1%	0%	-2%	-2%	-2%	-2%
1927	Wet	-2%	-2%	-2%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1928	Above Norma	0%	0%	0%	16%	0%	1%	6%	-2%	-2%	-2%	-2%	-2%
1929	Critical	-2%	-2%	-2%	1%	1%	1%	2%	2%	2%	2%	2%	2%
1930	Dry	2%	2%	2%	3%	-13%	0%	17%	3%	-1%	1%	-3%	-2%
1931	Critical	8%	9%	28%	73%	70%	34%	-7%	-7%	-7%	-7%	-7%	-7%
1932	Dry	-9%	-8%	-7%	-6%	-1%	-4%	1%	1%	1%	-1%	-4%	-4%
1933	Critical	-8%	-13%	-7%	-12%	12%	-2%	2%	1%	1%	0%	-3%	-3%
1934	Critical	-7%	-10%	-10%	-4%	10%	-3%	-1%	-1%	-1%	-1%	-1%	-1%
1935	Below Norma	-1%	-1%	-1%	0%	0%	-6%	5%	0%	0%	0%	0%	0%
1936	Below Norma	0%	1%	0%	-5%	1%	0%	2%	1%	0%	1%	1%	1%
1937	Below Norma	3%	-3%	6%	7%	0%	21%	-3%	-3%	-3%	-3%	-3%	-3%
1938	Wet	-3%	-4%	-4%	1%	0%	0%	0%	-1%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1940	Above Norma	0%	0%	0%	0%	2%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	11%	0%	0%	0%	0%	0%	0%	0%	-1%
1942	Wet	-4%	-2%	-2%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%
1944	Dry	1%	1%	1%	1%	38%	1%	-4%	-4%	-4%	-4%	-4%	-4%
1945	Below Norma	-5%	-5%	-5%	-1%	8%	-11%	0%	0%	0%	0%	0%	0%
1946	Below Norma	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%
1947	Dry	0%	0%	0%	0%	0%	20%	6%	6%	6%	6%	6%	6%
1948	Below Norma	7%	7%	7%	4%	6%	3%	-5%	-2%	-2%	-2%	-2%	-2%
1949	Dry	-2%	-2%	-2%	-11%	-11%	-8%	-6%	-6%	-6%	-6%	-6%	-6%
1950	Below Norma	-10%	-11%	-12%	-8%	-4%	6%	2%	1%	1%	1%	1%	1%
1951	Above Norma	2%	2%	2%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Norma	0%	0%	0%	1%	0%	0%	0%	0%	0%	-1%	-1%	0%
1955	Dry	0%	0%	0%	0%	0%	3%	-2%	0%	0%	2%	6%	6%
1956	Wet	12%	17%	17%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norma	0%	0%	0%	1%	0%	0%	3%	4%	2%	2%	2%	2%
1958	Wet	2%	2%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	-1%	0%	0%	2%	1%	1%	1%	1%	1%	1%
1960	Dry	1%	1%	1%	0%	1%	1%	20%	4%	-1%	0%	-6%	-5%
1961	Dry	11%	13%	33%	59%	-6%	-9%	12%	2%	0%	1%	-2%	-2%
1962	Below Norma	6%	7%	19%	34%	35%	-53%	-11%	-4%	-3%	-4%	-4%	-4%
1963	Wet	-6%	-6%	-5%	-2%	0%	0%	0%	-1%	0%	-3%	-2%	-1%
1964	Dry	-1%	-1%	-1%	58%	0%	12%	26%	-10%	-37%	1%	-2%	-1%
1965	Wet	7%	7%	16%	4%	0%	2%	3%	3%	3%	3%	3%	3%
1966	Below Norma	3%	3%	3%	0%	0%	0%	1%	1%	1%	1%	1%	1%
1967	Wet	1%	1%	1%	27%	0%	0%	-2%	-1%	-2%	-2%	-2%	-2%
1968	Below Norma	-2%	-2%	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%
1969	Wet	1%	1%	1%	26%	0%	0%	-1%	0%	-1%	-1%	-1%	-1%
1970	Wet	-2%	-2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	8%	-2%
1972	Below Norma	-3%	-2%	-1%	32%	0%	5%	15%	-3%	-6%	-5%	-8%	-7%
1973	Above Norma	1%	1%	14%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	8%	5%	5%	5%	5%	5%
1977	Critical	6%	6%	6%	3%	4%	1%	-21%	-24%	-26%	-25%	-25%	-26%
1978	Above Norma	-26%	-28%	-26%	123%	-15%	0%	0%	1%	0%	2%	2%	1%
1979	Below Norma	4%	5%	7%	-33%	-6%	-5%	0%	0%	0%	0%	0%	0%
1980	Above Norma	0%	0%	0%	1%	0%	0%	-1%	1%	1%	1%	1%	1%
1981	Dry	1%	1%	1%	0%	0%	0%	1%	1%	1%	1%	1%	1%
1982	Wet	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	-1%	-6%	-3%	4%	-4%	-5%
1986	Wet	-5%	-5%	-5%	-2%	8%	0%	3%	4%	4%	4%	4%	4%
1987	Dry	4%	4%	4%	4%	-1%	-16%	-2%	-2%	-2%	-2%	-2%	-2%
1988	Critical	-2%	-2%	-2%	-4%	-7%	-3%	-7%	-7%	-7%	-7%	-7%	-7%
1989	Dry	-9%	-7%	-7%	-7%	-13%	0%	0%	0%	0%	1%	1%	1%
1990	Critical	1%	1%	2%	252%	231%	69%	1%	1%	1%	1%	1%	1%
1991	Critical	1%	1%	1%	-1%	-4%	-13%	6%	7%	7%	7%	7%	7%
1992	Critical	9%	7%	7%	4%	1%	-64%	19%	1%	1%	-1%	-4%	-4%
1993	Above Norma	-9%	-14%	-12%	-5%	0%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	0%	0%	2%	17%	4%	-64%	11%	6%	7%
1995	Wet	24%	26%	48%	21%	0%	-2%	3%	8%	2%	4%	2%	1%
1996	Wet	1%	1%	-16%	0%	0%	0%	0%	2%	1%	1%	1%	1%
1997	Wet	1%	1%	1%	0%	0%	0%	4%	4%	4%	4%	4%	4%
1998	Wet	5%	5%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norma	0%	0%	0%	45%	0%	-1%	4%	5%	1%	3%	1%	-2%
2001	Dry	-2%	-2%	-2%	0%	0%	0%	2%	2%	2%	2%	2%	2%
2002	Dry	2%	2%	2%	1%	10%	0%	5%	4%	3%	3%	3%	3%
2003	Above Norma	5%	5%	6%	20%	0%	17%	-6%	-1%	-4%	2%	1%	0%
Average		0%	0%	2%	11%	4%	1%	1%	0%	-2%	0%	0%	0%
Wet		1%	2%	2%	3%	0%	0%	0%	1%	0%	0%	1%	0%
Above Norma		-2%	-3%	-1%	34%	-1%	2%	1%	1%	0%	1%	0%	0%
Below Norma		0%	0%	2%	2%	3%	-3%	0%	0%	-1%	-1%	0%	0%
Dry		1%	2%	3%	4%	0%	4%	4%	0%	-3%	0%	-1%	-1%
Critical		1%	0%	2%	27%	28%	3%	2%	-1%	-7%	-1%	-2%	-2%

Energy Use (GWh) At Pumping Plant at Las Perillas: CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	0.72	0.53	0.51	0.17	0.39	0.96	1.09	1.36	1.68	1.73	1.50	1.12	12
1923	Below Normal	0.76	0.65	0.54	0.54	0.53	0.84	0.99	1.25	1.54	1.60	1.38	1.02	12
1924	Critical	0.69	0.59	0.48	0.05	0.05	0.08	0.16	0.19	0.40	0.42	0.38	0.16	4
1925	Dry	0.09	0.08	0.11	0.13	0.14	0.19	0.47	0.63	0.94	0.99	0.89	0.55	5
1926	Dry	0.27	0.22	0.25	0.09	0.25	0.51	0.68	1.17	1.45	1.50	1.29	0.97	9
1927	Wet	0.66	0.56	0.46	0.15	0.47	0.96	1.09	1.36	1.68	1.74	1.50	1.12	12
1928	Above Normal	0.77	0.66	0.54	0.28	0.42	0.59	0.87	1.08	1.34	1.38	1.20	0.89	10
1929	Critical	0.61	0.52	0.42	0.08	0.08	0.15	0.33	0.39	0.83	0.87	0.80	0.34	5
1930	Dry	0.19	0.17	0.25	0.07	0.24	0.31	0.59	1.10	1.32	1.40	1.24	0.95	8
1931	Critical	0.45	0.33	0.32	0.07	0.09	0.14	0.32	0.38	0.81	0.84	0.77	0.34	5
1932	Dry	0.18	0.17	0.24	0.08	0.23	0.27	0.38	0.60	0.92	0.97	0.87	0.53	5
1933	Critical	0.26	0.20	0.24	0.08	0.22	0.27	0.43	0.80	0.97	1.03	0.92	0.69	6
1934	Critical	0.32	0.24	0.23	0.09	0.19	0.19	0.45	0.84	1.01	1.07	0.95	0.73	6
1935	Below Normal	0.34	0.25	0.24	0.05	0.13	0.29	0.83	1.52	1.87	1.94	1.68	1.26	10
1936	Below Normal	0.87	0.75	0.62	0.04	0.09	0.92	1.08	1.34	1.65	1.71	1.48	1.11	12
1937	Below Normal	0.76	0.66	0.54	0.05	0.10	0.52	1.04	1.29	1.59	1.64	1.43	1.07	11
1938	Wet	0.73	0.63	0.52	0.46	0.53	0.92	1.12	1.31	1.62	1.68	1.45	1.08	12
1939	Dry	0.73	0.62	0.51	0.59	0.48	0.72	0.89	1.11	1.38	1.43	1.23	0.92	11
1940	Above Normal	0.62	0.53	0.43	0.03	0.09	0.93	1.14	1.42	1.74	1.80	1.56	1.17	11
1941	Wet	0.81	0.69	0.57	0.30	0.54	0.86	1.06	1.33	1.64	1.70	1.47	1.09	12
1942	Wet	0.74	0.63	0.52	0.49	0.61	0.92	1.04	1.31	1.62	1.67	1.45	1.08	12
1943	Wet	0.73	0.62	0.51	0.58	0.61	0.82	0.96	1.11	1.37	1.42	1.23	0.91	11
1944	Dry	0.61	0.52	0.42	0.15	0.24	0.75	1.00	1.25	1.54	1.59	1.38	1.03	10
1945	Below Normal	0.70	0.60	0.49	0.13	0.14	0.71	1.00	1.25	1.54	1.59	1.38	1.03	11
1946	Below Normal	0.71	0.61	0.50	0.52	0.53	0.75	0.97	1.21	1.50	1.55	1.34	0.99	11
1947	Dry	0.67	0.57	0.47	0.11	0.10	0.20	0.85	1.06	1.30	1.35	1.17	0.87	9
1948	Below Normal	0.60	0.51	0.42	0.04	0.05	0.08	0.38	1.26	1.55	1.60	1.39	1.05	9
1949	Dry	0.72	0.62	0.51	0.08	0.08	0.11	0.48	0.89	1.07	1.13	1.01	0.77	7
1950	Below Normal	0.36	0.27	0.26	0.05	0.11	0.34	0.98	1.22	1.50	1.55	1.34	1.01	9
1951	Above Normal	0.69	0.59	0.49	0.48	0.61	0.92	1.05	1.31	1.62	1.67	1.45	1.08	12
1952	Wet	0.73	0.62	0.51	0.54	0.53	0.91	1.12	1.38	1.61	1.67	1.44	1.07	12
1953	Wet	0.72	0.69	0.58	0.62	0.53	0.81	1.03	1.29	1.60	1.65	1.43	1.06	12
1954	Above Normal	0.72	0.61	0.50	0.41	0.46	0.76	1.07	1.34	1.65	1.71	1.48	1.10	12
1955	Dry	0.75	0.64	0.52	0.10	0.15	0.19	0.39	0.73	0.96	1.01	0.90	0.64	7
1956	Wet	0.30	0.23	0.23	0.49	0.61	0.92	1.04	1.31	1.62	1.67	1.45	1.08	11
1957	Above Normal	0.73	0.62	0.51	0.41	0.44	0.63	0.83	1.04	1.29	1.33	1.15	0.85	10
1958	Wet	0.58	0.49	0.40	0.47	0.57	0.89	1.14	1.33	1.64	1.70	1.47	1.09	12
1959	Below Normal	0.74	0.63	0.52	0.57	0.54	0.77	0.89	1.11	1.38	1.42	1.23	0.91	11
1960	Dry	0.62	0.53	0.43	0.04	0.05	0.18	0.70	1.10	1.33	1.39	1.23	0.94	9
1961	Dry	0.51	0.41	0.37	0.09	0.19	0.29	0.66	1.09	1.31	1.38	1.22	0.93	8
1962	Below Normal	0.49	0.38	0.35	0.06	0.06	0.65	1.08	1.34	1.65	1.70	1.48	1.11	10
1963	Wet	0.76	0.66	0.54	0.41	0.49	0.67	0.97	1.36	1.68	1.73	1.50	1.12	12
1964	Dry	0.76	0.65	0.53	0.18	0.45	0.44	0.69	0.97	1.19	1.24	1.08	0.81	9
1965	Wet	0.49	0.40	0.34	0.47	0.60	0.69	0.87	0.99	1.23	1.27	1.10	0.82	9
1966	Below Normal	0.55	0.47	0.38	0.53	0.60	0.92	1.01	1.26	1.56	1.62	1.40	1.04	11
1967	Wet	0.70	0.60	0.49	0.23	0.62	0.94	1.07	1.41	1.65	1.71	1.48	1.10	12
1968	Below Normal	0.75	0.72	0.60	0.62	0.60	0.79	0.92	1.15	1.42	1.47	1.27	0.94	11
1969	Wet	0.64	0.54	0.44	0.23	0.62	0.94	1.15	1.38	1.65	1.71	1.48	1.10	12
1970	Wet	0.75	0.64	0.60	0.61	0.60	0.82	1.04	1.30	1.61	1.66	1.44	1.07	12
1971	Wet	0.72	0.62	0.50	0.51	0.53	0.70	1.06	1.32	1.64	1.69	1.46	1.09	12
1972	Below Normal	0.74	0.63	0.51	0.23	0.39	0.56	0.58	0.99	1.20	1.26	1.12	0.85	9
1973	Above Normal	0.42	0.32	0.30	0.49	0.57	0.92	0.99	1.24	1.54	1.59	1.37	1.02	11
1974	Wet	0.69	0.59	0.48	0.54	0.60	0.91	1.04	1.30	1.61	1.67	1.44	1.07	12
1975	Wet	0.72	0.62	0.50	0.49	0.56	0.86	1.06	1.32	1.63	1.69	1.46	1.09	12
1976	Critical	0.74	0.63	0.51	0.46	0.42	0.64	0.75	0.94	1.16	1.21	1.04	0.77	9
1977	Critical	0.52	0.44	0.36	0.04	0.04	0.06	0.11	0.14	0.29	0.30	0.28	0.12	3
1978	Above Normal	0.06	0.06	0.08	0.12	0.36	0.81	1.21	1.48	1.73	1.79	1.55	1.17	10
1979	Below Normal	0.80	0.68	0.56	0.18	0.39	0.71	0.97	1.21	1.50	1.55	1.34	1.00	11
1980	Above Normal	0.68	0.58	0.48	0.38	0.42	0.83	1.00	1.16	1.43	1.48	1.28	0.95	11
1981	Dry	0.65	0.55	0.45	0.46	0.48	0.81	0.92	1.15	1.43	1.48	1.28	0.95	11
1982	Wet	0.64	0.55	0.45	0.54	0.53	0.91	1.04	1.30	1.61	1.67	1.44	1.07	12
1983	Wet	0.72	0.62	0.58	0.62	0.60	0.91	1.12	1.38	1.69	1.74	1.44	1.07	12
1984	Wet	0.80	0.69	0.58	0.62	0.60	0.91	1.04	1.30	1.61	1.67	1.44	1.07	12
1985	Dry	0.72	0.62	0.50	0.41	0.39	0.64	0.96	1.20	1.49	1.54	1.33	0.99	11
1986	Wet	0.67	0.58	0.47	0.05	0.09	0.91	0.90	1.03	1.26	1.31	1.13	0.85	9
1987	Dry	0.58	0.50	0.41	0.37	0.39	0.58	0.81	1.01	1.25	1.29	1.12	0.83	9
1988	Critical	0.56	0.48	0.39	0.08	0.14	0.14	0.28	0.33	0.70	0.74	0.68	0.29	5
1989	Dry	0.15	0.14	0.20	0.09	0.11	0.24	1.07	1.32	1.63	1.68	1.46	1.10	9
1990	Critical	0.75	0.65	0.53	0.04	0.05	0.11	0.29	0.34	0.72	0.75	0.69	0.30	5
1991	Critical	0.17	0.15	0.22	0.03	0.03	0.05	0.26	0.31	0.65	0.68	0.62	0.27	3
1992	Critical	0.15	0.14	0.20	0.04	0.04	0.22	0.42	0.69	0.96	1.02	0.91	0.60	5
1993	Above Normal	0.29	0.23	0.26	0.07	0.48	0.96	1.09	1.36	1.68	1.73	1.50	1.12	11
1994	Critical	0.77	0.66	0.54	0.38	0.37	0.64	0.61	0.94	1.15	1.21	1.06	0.80	9
1995	Wet	0.44	0.35	0.30	0.06	0.56	0.86	1.09	1.36	1.68	1.74	1.51	1.13	11
1996	Wet	0.77	0.66	0.62	0.62	0.60	0.85	0.94	1.22	1.51	1.56	1.35	1.00	12
1997	Wet	0.68	0.58	0.47	0.54	0.60	0.72	0.75	0.94	1.17	1.21	1.05	0.77	9
1998	Wet	0.52	0.44	0.36	0.47	0.61	0.92	1.12	1.31	1.62	1.68	1.45	1.08	12
1999	Wet	0.73	0.70	0.58	0.62	0.54	0.92	0.97	1.22	1.51	1.56	1.35	1.00	12
2000	Above Normal	0.68	0.58	0.47	0.19	0.46	0.95	1.08	1.35	1.67	1.72	1.49	1.11	12
2001	Dry	0.76	0.65	0.53	0.09	0.10	0.30	0.51	0.95	1.14	1.21	1.08	0.82	8
2002	Dry	0.38	0.28	0.27	0.17	0.37	0.23	0.77	0.98	1.21	1.26	1.09	0.81	8
2003	Above Normal	0.54	0.46	0.38	0.33	0.45	0.49	0.93	1.41	1.74	1.80	1.55	1.16	11
Average		1	1	0	0	0	1	1	1	1	1	1	1	10
Wet		1	1	0	0	1	1	1	1	2	2	1	1	12
Above Normal		1	0	0	0	0	1	1	1	2	2	1	1	11
Below Normal		1	1	0	0	0	1	1	1	2	2	1	1	11
Dry		1	0	0	0	0	0	1	1	1	1	1	1	9
Critical		0	0	0	0	0	0	0	1	1	1	1	0	6

Shasta Lake Water Resource Investigation
Socioeconomic Appendix - Power and Energy Technical Report

Energy Use (GWh) At Pumping Plant at Las Perillas: CP3_2020

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	0.72	0.53	0.51	0.21	0.40	0.95	1.08	1.35	1.67	1.73	1.50	1.12	12
1923	Below Normal	0.76	0.65	0.53	0.54	0.53	0.84	0.98	1.29	1.59	1.65	1.42	1.06	12
1924	Critical	0.71	0.61	0.50	0.05	0.05	0.10	0.16	0.19	0.40	0.42	0.39	0.16	4
1925	Dry	0.09	0.08	0.12	0.14	0.16	0.19	0.49	0.72	0.96	1.01	0.91	0.62	5
1926	Dry	0.30	0.23	0.24	0.09	0.25	0.65	0.67	1.16	1.43	1.48	1.28	0.96	9
1927	Wet	0.65	0.56	0.46	0.15	0.50	0.96	1.09	1.36	1.67	1.73	1.50	1.12	12
1928	Above Normal	0.76	0.65	0.53	0.38	0.42	0.61	0.86	1.08	1.33	1.38	1.19	0.89	10
1929	Critical	0.60	0.51	0.42	0.09	0.08	0.15	0.34	0.40	0.84	0.88	0.81	0.35	5
1930	Dry	0.19	0.17	0.25	0.08	0.17	0.32	0.69	1.06	1.29	1.35	1.19	0.90	8
1931	Critical	0.50	0.40	0.36	0.07	0.08	0.14	0.30	0.35	0.74	0.78	0.71	0.31	5
1932	Dry	0.17	0.15	0.22	0.08	0.23	0.26	0.37	0.55	0.90	0.95	0.86	0.48	5
1933	Critical	0.24	0.20	0.24	0.08	0.21	0.26	0.42	0.74	0.96	1.01	0.91	0.64	6
1934	Critical	0.30	0.23	0.23	0.09	0.19	0.19	0.44	0.83	1.00	1.06	0.95	0.72	6
1935	Below Normal	0.33	0.25	0.24	0.05	0.13	0.29	0.90	1.53	1.89	1.95	1.69	1.27	11
1936	Below Normal	0.87	0.75	0.62	0.03	0.10	0.93	1.10	1.36	1.68	1.74	1.51	1.13	12
1937	Below Normal	0.78	0.67	0.55	0.06	0.10	0.72	1.02	1.27	1.56	1.62	1.40	1.05	11
1938	Wet	0.72	0.62	0.51	0.47	0.53	0.92	1.12	1.31	1.62	1.68	1.45	1.08	12
1939	Dry	0.73	0.62	0.51	0.59	0.48	0.73	0.89	1.11	1.38	1.43	1.23	0.91	11
1940	Above Normal	0.62	0.53	0.43	0.02	0.09	0.93	1.14	1.42	1.74	1.80	1.56	1.18	11
1941	Wet	0.81	0.69	0.57	0.39	0.54	0.85	1.05	1.32	1.63	1.69	1.46	1.09	12
1942	Wet	0.74	0.63	0.51	0.49	0.61	0.92	1.04	1.31	1.62	1.67	1.45	1.08	12
1943	Wet	0.73	0.62	0.51	0.58	0.61	0.83	0.97	1.12	1.39	1.44	1.24	0.92	11
1944	Dry	0.62	0.53	0.43	0.15	0.34	0.72	0.98	1.22	1.50	1.56	1.35	1.01	10
1945	Below Normal	0.69	0.59	0.48	0.13	0.14	0.72	1.01	1.25	1.54	1.59	1.38	1.04	11
1946	Below Normal	0.71	0.61	0.50	0.53	0.53	0.76	0.96	1.21	1.49	1.55	1.34	0.99	11
1947	Dry	0.67	0.57	0.46	0.11	0.10	0.27	0.90	1.13	1.39	1.43	1.24	0.93	9
1948	Below Normal	0.64	0.55	0.45	0.02	0.06	0.07	0.33	1.24	1.52	1.57	1.37	1.03	9
1949	Dry	0.71	0.61	0.50	0.08	0.07	0.11	0.44	0.80	0.99	1.05	0.94	0.70	7
1950	Below Normal	0.33	0.24	0.24	0.04	0.11	0.42	1.00	1.24	1.53	1.58	1.37	1.03	9
1951	Above Normal	0.70	0.61	0.50	0.49	0.61	0.92	1.04	1.31	1.62	1.67	1.45	1.08	12
1952	Wet	0.73	0.62	0.51	0.54	0.53	0.91	1.12	1.30	1.61	1.67	1.44	1.07	12
1953	Wet	0.72	0.69	0.58	0.62	0.53	0.82	1.03	1.29	1.60	1.66	1.43	1.06	12
1954	Above Normal	0.72	0.61	0.50	0.43	0.46	0.84	1.07	1.33	1.65	1.70	1.47	1.10	12
1955	Dry	0.75	0.64	0.52	0.10	0.15	0.19	0.41	0.82	0.99	1.05	0.93	0.71	7
1956	Wet	0.33	0.24	0.23	0.48	0.61	0.92	1.05	1.31	1.62	1.67	1.45	1.08	11
1957	Above Normal	0.73	0.62	0.51	0.42	0.44	0.65	0.85	1.06	1.31	1.36	1.17	0.87	10
1958	Wet	0.59	0.50	0.41	0.48	0.57	0.88	1.14	1.33	1.64	1.70	1.47	1.09	12
1959	Below Normal	0.74	0.63	0.52	0.58	0.55	0.77	0.90	1.12	1.39	1.44	1.24	0.92	11
1960	Dry	0.62	0.53	0.43	0.03	0.06	0.18	0.85	1.05	1.29	1.34	1.16	0.87	8
1961	Dry	0.60	0.52	0.43	0.09	0.09	0.27	0.74	1.06	1.30	1.35	1.19	0.90	9
1962	Below Normal	0.54	0.44	0.38	0.03	0.04	0.35	1.00	1.25	1.53	1.58	1.37	1.03	10
1963	Wet	0.71	0.61	0.50	0.41	0.48	0.72	1.02	1.35	1.66	1.72	1.49	1.11	12
1964	Dry	0.75	0.64	0.53	0.37	0.45	0.60	0.75	0.94	1.16	1.20	1.04	0.77	9
1965	Wet	0.52	0.44	0.36	0.47	0.59	0.70	0.89	1.02	1.26	1.31	1.13	0.84	10
1966	Below Normal	0.56	0.48	0.39	0.52	0.60	0.92	1.01	1.27	1.57	1.63	1.41	1.04	11
1967	Wet	0.71	0.60	0.49	0.31	0.54	0.93	1.06	1.40	1.64	1.70	1.47	1.09	12
1968	Below Normal	0.74	0.71	0.59	0.62	0.60	0.80	0.92	1.16	1.43	1.48	1.28	0.95	11
1969	Wet	0.64	0.55	0.44	0.30	0.62	0.93	1.14	1.40	1.64	1.70	1.47	1.09	12
1970	Wet	0.74	0.63	0.59	0.61	0.60	0.82	1.04	1.30	1.61	1.67	1.44	1.07	12
1971	Wet	0.72	0.62	0.50	0.51	0.53	0.71	1.06	1.32	1.64	1.69	1.46	1.09	12
1972	Below Normal	0.74	0.63	0.51	0.36	0.40	0.60	0.63	0.94	1.15	1.20	1.05	0.79	9
1973	Above Normal	0.45	0.37	0.31	0.48	0.58	0.93	1.00	1.25	1.54	1.59	1.38	1.03	11
1974	Wet	0.70	0.59	0.48	0.54	0.60	0.91	1.04	1.30	1.61	1.67	1.44	1.07	12
1975	Wet	0.72	0.62	0.50	0.49	0.56	0.86	1.06	1.32	1.63	1.69	1.46	1.09	12
1976	Critical	0.74	0.63	0.51	0.46	0.42	0.66	0.79	0.99	1.23	1.27	1.10	0.81	10
1977	Critical	0.55	0.47	0.38	0.03	0.03	0.03	0.08	0.10	0.20	0.21	0.20	0.08	2
1978	Above Normal	0.04	0.04	0.06	0.11	0.26	0.74	1.20	1.43	1.76	1.82	1.58	1.19	10
1979	Below Normal	0.81	0.70	0.58	0.16	0.41	0.72	0.98	1.22	1.51	1.56	1.35	1.01	11
1980	Above Normal	0.69	0.59	0.48	0.41	0.43	0.83	1.01	1.17	1.44	1.49	1.29	0.96	11
1981	Dry	0.65	0.56	0.45	0.47	0.48	0.81	0.93	1.17	1.44	1.49	1.29	0.96	11
1982	Wet	0.65	0.55	0.45	0.54	0.53	0.91	1.04	1.30	1.61	1.67	1.44	1.07	12
1983	Wet	0.72	0.62	0.58	0.62	0.60	0.91	1.12	1.38	1.69	1.74	1.44	1.07	12
1984	Wet	0.80	0.69	0.58	0.62	0.60	0.91	1.04	1.30	1.61	1.67	1.44	1.07	12
1985	Dry	0.72	0.62	0.50	0.41	0.39	0.64	0.93	1.16	1.44	1.49	1.29	0.96	11
1986	Wet	0.65	0.56	0.45	0.05	0.17	0.91	0.93	1.07	1.31	1.36	1.18	0.88	10
1987	Dry	0.60	0.52	0.43	0.38	0.37	0.49	0.78	0.98	1.21	1.25	1.08	0.81	9
1988	Critical	0.55	0.47	0.38	0.07	0.11	0.14	0.26	0.30	0.65	0.68	0.62	0.27	4
1989	Dry	0.14	0.13	0.19	0.09	0.10	0.22	1.08	1.34	1.65	1.70	1.48	1.11	9
1990	Critical	0.76	0.66	0.54	0.03	0.07	0.13	0.29	0.34	0.72	0.75	0.69	0.30	5
1991	Critical	0.17	0.15	0.22	0.02	0.02	0.03	0.28	0.34	0.70	0.73	0.67	0.30	4
1992	Critical	0.17	0.15	0.22	0.04	0.04	0.14	0.41	0.63	0.95	1.00	0.90	0.55	5
1993	Above Normal	0.27	0.22	0.26	0.08	0.48	0.96	1.09	1.36	1.68	1.73	1.50	1.12	11
1994	Critical	0.77	0.66	0.54	0.39	0.38	0.67	0.72	0.91	1.12	1.16	1.00	0.75	9
1995	Wet	0.50	0.43	0.35	0.05	0.56	0.75	1.10	1.37	1.69	1.75	1.51	1.13	11
1996	Wet	0.77	0.66	0.54	0.59	0.60	0.86	0.95	1.23	1.52	1.57	1.36	1.01	12
1997	Wet	0.68	0.58	0.47	0.54	0.60	0.74	0.78	0.98	1.22	1.26	1.09	0.80	10
1998	Wet	0.54	0.46	0.37	0.46	0.61	0.92	1.12	1.31	1.62	1.68	1.45	1.08	12
1999	Wet	0.73	0.70	0.58	0.62	0.55	0.92	0.98	1.22	1.51	1.56	1.35	1.00	12
2000	Above Normal	0.68	0.58	0.47	0.30	0.45	0.86	1.07	1.34	1.65	1.71	1.48	1.10	12
2001	Dry	0.75	0.64	0.52	0.09	0.10	0.30	0.51	0.97	1.16	1.23	1.10	0.84	8
2002	Dry	0.39	0.29	0.28	0.17	0.40	0.23	0.82	1.02	1.26	1.30	1.13	0.84	8
2003	Above Normal	0.57	0.49	0.40	0.39	0.44	0.58	0.89	1.39	1.72	1.78	1.54	1.15	11
Average		1	1	0	0	0	1	1	1	1	1	1	1	10
Wet		1	1	0	0	1	1	1	1	2	2	1	1	12
Above Normal		1	0	0	0	0	1	1	1	2	2	1	1	11
Below Normal		1	1	0	0	0	1	1	1	2	2	1	1	11
Dry		1	0	0	0	0	0	1	1	1	1	1	1	9
Critical		1	0	0	0	0	0	0	1	1	1	1	0	5

Difference in Energy Use (GWh) At Pumping Plant at Las Perillas: CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1927	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1932	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1935	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1940	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1945	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1946	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1947	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1948	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1949	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1951	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1961	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1963	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1965	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1966	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Below Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Dry		0	0	0	0	0	0	0	0	0	0	0	0	0
Critical		0	0	0	0	0	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at Las Perillas: CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	23%	4%	0%	0%	0%	0%	0%	0%	0%
1923	Below Norma	-1%	-1%	-1%	0%	0%	0%	0%	3%	3%	3%	3%	3%
1924	Critical	3%	3%	3%	4%	3%	15%	1%	1%	1%	1%	1%	1%
1925	Dry	1%	1%	1%	6%	13%	3%	3%	14%	2%	3%	2%	14%
1926	Dry	10%	6%	-4%	1%	0%	28%	-1%	-1%	-1%	-1%	-1%	-1%
1927	Wet	-1%	-1%	-1%	1%	5%	0%	0%	0%	0%	0%	0%	0%
1928	Above Norma	0%	0%	0%	35%	-1%	3%	-1%	0%	0%	0%	0%	0%
1929	Critical	-1%	-1%	-1%	3%	2%	3%	2%	2%	2%	2%	2%	2%
1930	Dry	2%	2%	2%	16%	-31%	3%	19%	-3%	-2%	-3%	-4%	-5%
1931	Critical	13%	22%	12%	-3%	-7%	-2%	-8%	-8%	-8%	-8%	-8%	-8%
1932	Dry	-8%	-8%	-8%	3%	-2%	-2%	-3%	-8%	-2%	-2%	-2%	-8%
1933	Critical	-7%	-4%	1%	8%	-2%	-2%	-3%	-7%	-1%	-1%	-1%	-7%
1934	Critical	-6%	-4%	2%	2%	0%	-1%	-1%	-1%	-1%	-1%	-1%	-1%
1935	Below Norma	-1%	-1%	1%	0%	0%	0%	8%	1%	1%	1%	1%	1%
1936	Below Norma	1%	1%	1%	-17%	4%	2%	2%	2%	2%	2%	2%	2%
1937	Below Norma	2%	2%	2%	19%	0%	39%	-2%	-2%	-2%	-2%	-2%	-2%
1938	Wet	-2%	-2%	-2%	2%	0%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1940	Above Norma	0%	0%	0%	-31%	2%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	30%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%
1942	Wet	-1%	-1%	-1%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	1%	0%	1%	1%	1%	1%	1%	1%	1%
1944	Dry	1%	1%	1%	1%	42%	-3%	-2%	-2%	-2%	-2%	-2%	-2%
1945	Below Norma	-2%	-3%	-3%	-1%	-1%	2%	0%	0%	0%	0%	0%	0%
1946	Below Norma	0%	0%	0%	2%	0%	1%	0%	0%	0%	0%	0%	0%
1947	Dry	0%	0%	0%	1%	-1%	39%	6%	6%	6%	6%	6%	6%
1948	Below Norma	6%	6%	7%	-35%	4%	-12%	-12%	-2%	-2%	-2%	-2%	-2%
1949	Dry	-2%	-2%	-2%	-7%	-4%	-4%	-8%	-10%	-8%	-8%	-8%	-10%
1950	Below Norma	-9%	-9%	-6%	-7%	4%	25%	2%	2%	2%	2%	2%	2%
1951	Above Norma	2%	2%	2%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	0%	0%	-6%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1954	Above Norma	0%	0%	0%	3%	1%	11%	0%	0%	0%	0%	0%	0%
1955	Dry	0%	0%	0%	2%	2%	2%	5%	12%	4%	4%	3%	12%
1956	Wet	10%	7%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norma	0%	0%	0%	3%	1%	3%	2%	2%	2%	2%	2%	2%
1958	Wet	2%	2%	2%	2%	-1%	-1%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	0%	0%	1%	0%	1%	1%	1%	1%	1%	1%
1960	Dry	1%	1%	1%	-14%	15%	0%	22%	-4%	-3%	-4%	-6%	-7%
1961	Dry	17%	27%	16%	-9%	-53%	-6%	12%	-2%	-1%	-2%	-3%	-3%
1962	Below Norma	10%	15%	9%	-39%	-35%	-47%	-7%	-7%	-7%	-7%	-7%	-7%
1963	Wet	-7%	-7%	-7%	0%	-2%	7%	4%	-1%	-1%	-1%	-1%	-1%
1964	Dry	-1%	-1%	-1%	104%	0%	36%	9%	-3%	-2%	-3%	-3%	-4%
1965	Wet	7%	11%	6%	0%	-1%	2%	2%	2%	2%	2%	2%	3%
1966	Below Norma	3%	3%	3%	-1%	0%	0%	1%	0%	0%	0%	0%	1%
1967	Wet	1%	1%	1%	35%	-13%	-1%	-1%	-1%	-1%	-1%	-1%	-1%
1968	Below Norma	-1%	-1%	-1%	0%	0%	1%	1%	1%	1%	1%	1%	1%
1969	Wet	1%	1%	1%	31%	-1%	-1%	-1%	2%	-1%	-1%	-1%	-1%
1970	Wet	-1%	-1%	-1%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1972	Below Norma	0%	0%	0%	55%	1%	8%	10%	-5%	-4%	-5%	-6%	-7%
1973	Above Norma	7%	13%	6%	0%	1%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	1%	2%	3%	5%	5%	5%	5%	5%	5%
1977	Critical	6%	6%	6%	-25%	-28%	-43%	-31%	-29%	-30%	-30%	-30%	-29%
1978	Above Norma	-29%	-29%	-29%	-8%	-27%	-8%	-1%	-3%	2%	2%	2%	2%
1979	Below Norma	2%	2%	2%	-11%	3%	1%	1%	1%	1%	1%	1%	1%
1980	Above Norma	1%	1%	1%	6%	2%	0%	1%	1%	1%	1%	1%	1%
1981	Dry	1%	1%	1%	1%	0%	0%	1%	1%	1%	1%	1%	1%
1982	Wet	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	1%	0%	-3%	-3%	-3%	-3%	-3%	-3%
1986	Wet	-3%	-3%	-3%	15%	92%	1%	3%	4%	4%	4%	4%	4%
1987	Dry	4%	4%	4%	3%	-6%	-16%	-3%	-3%	-3%	-3%	-3%	-3%
1988	Critical	-3%	-3%	-3%	-13%	-20%	-6%	-8%	-8%	-8%	-8%	-8%	-8%
1989	Dry	-8%	-8%	-7%	-3%	-12%	-6%	1%	1%	1%	1%	1%	1%
1990	Critical	1%	1%	1%	-14%	27%	12%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	0%	-31%	-30%	-30%	9%	8%	8%	8%	8%	9%
1992	Critical	9%	9%	10%	-18%	-15%	-36%	-3%	-9%	-2%	-2%	-1%	-8%
1993	Above Norma	-6%	-4%	2%	11%	0%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	2%	3%	4%	19%	-4%	-2%	-4%	-5%	-6%
1995	Wet	15%	23%	15%	-5%	0%	-13%	0%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	-12%	-5%	1%	1%	1%	1%	1%	1%	1%	1%
1997	Wet	1%	1%	1%	0%	0%	2%	4%	4%	4%	4%	4%	4%
1998	Wet	4%	4%	4%	-2%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norma	0%	0%	0%	60%	-3%	-9%	-1%	-1%	-1%	-1%	-1%	-1%
2001	Dry	-1%	-1%	-1%	1%	-3%	0%	2%	2%	2%	2%	2%	2%
2002	Dry	2%	2%	2%	0%	8%	0%	6%	4%	4%	4%	3%	3%
2003	Above Norma	6%	6%	6%	16%	-3%	17%	-5%	-1%	-1%	-1%	-1%	-1%
Average		1%	1%	0%	3%	-1%	0%	1%	-1%	0%	0%	-1%	-1%
Wet		1%	1%	0%	4%	3%	0%	1%	0%	0%	0%	0%	0%
Above Norma		-2%	-1%	-1%	10%	-2%	1%	0%	0%	0%	0%	0%	0%
Below Norma		1%	1%	1%	-2%	-1%	1%	0%	0%	0%	0%	0%	0%
Dry		1%	1%	0%	6%	-2%	4%	4%	0%	0%	-1%	-1%	0%
Critical		1%	2%	3%	-7%	-5%	-7%	-1%	-4%	-3%	-3%	-3%	-4%

Difference in Energy Use (GWh) At Pumping Plant at Oso: CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norm	0	0	0	1	0	0	0	0	0	0	0	0	0
1923	Below Norm	0	0	0	0	0	0	0	0	0	0	3	2	0
1924	Critical	1	1	1	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	-9	0	0	1	0	0	0	2	2	0
1926	Dry	2	2	1	0	0	5	-1	1	0	0	0	0	1
1927	Wet	0	0	0	0	1	0	0	0	0	0	0	0	0
1928	Above Norm	0	0	0	4	0	1	2	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	0	-2	0	1	0	0	-1	-1	0	0
1931	Critical	1	1	4	2	2	1	-1	-1	-1	-1	-1	-1	0
1932	Dry	0	0	0	0	0	0	0	0	0	0	-1	-1	0
1933	Critical	-1	-1	0	-1	3	0	0	0	0	0	-1	-1	0
1934	Critical	-1	-2	-1	0	2	0	0	0	0	0	0	0	0
1935	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norm	0	0	0	0	0	0	1	0	0	1	1	1	0
1937	Below Norm	1	1	2	0	0	0	-1	-1	-1	-1	-1	-1	0
1938	Wet	-1	-1	-1	0	0	0	0	-1	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1940	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	3	1	0	0	0	1	0	0	-1	0
1942	Wet	-1	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	7	0	-1	-1	-1	-1	-1	-1	0
1945	Below Norm	-1	-1	-1	0	3	-3	0	0	0	0	0	0	0
1946	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1947	Dry	0	0	0	0	0	5	1	1	1	1	1	1	1
1948	Below Norm	1	1	1	0	0	0	-1	0	0	0	0	0	0
1949	Dry	0	0	0	0	0	0	-1	-1	-1	-1	-2	-2	-1
1950	Below Norm	-1	-1	-1	0	0	-2	0	0	0	0	0	0	0
1951	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	1	1	1	2	2	2	1
1956	Wet	2	2	1	0	0	0	0	0	0	0	0	0	0
1957	Above Norm	0	0	0	0	0	0	1	1	0	0	0	0	0
1958	Wet	0	0	0	0	1	0	0	0	0	0	0	0	0
1959	Below Norm	0	0	-1	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	2	0	-1	-2	-2	-1	0
1961	Dry	1	2	6	3	-8	1	1	0	0	-1	-1	0	0
1962	Below Norm	1	1	3	1	1	-7	-5	-1	-1	-1	-1	-1	-1
1963	Wet	-1	-1	-1	-1	0	0	0	0	-1	-1	0	0	-1
1964	Dry	0	0	0	7	0	5	4	-1	-1	-1	-1	0	1
1965	Wet	1	1	3	2	0	0	0	0	0	0	0	0	1
1966	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	3	1	0	0	0	0	0	0	0	0
1968	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	3	1	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	3	-1	0
1972	Below Norm	-1	0	0	5	0	3	2	-1	-1	-2	-2	-1	0
1973	Above Norm	0	0	2	-2	-2	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	1	1	1	1	1	1	0
1977	Critical	1	1	1	0	0	0	-1	-1	-1	-1	-1	-1	0
1978	Above Norm	0	0	0	4	-3	0	0	1	1	1	1	1	1
1979	Below Norm	2	3	4	-2	-2	-1	0	0	0	0	0	0	0
1980	Above Norm	0	0	0	1	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	-1	-1	-1	-1	-1	-1	0
1986	Wet	-1	-1	-1	0	3	0	0	1	1	1	1	1	0
1987	Dry	1	1	1	1	0	-3	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	-2	0	-1	-1	-1	-1	-1	-1	-1
1989	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	1	1	1	3	3	1	0	0	0	0	0	0	1
1991	Critical	0	0	0	0	0	0	1	1	1	1	1	0	0
1992	Critical	0	0	0	0	0	-6	4	0	0	0	-1	-1	0
1993	Above Norm	-1	-1	-1	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	1	0	-4	0	0	1	0
1995	Wet	3	3	5	2	0	0	1	4	1	2	1	0	2
1996	Wet	0	0	-9	2	3	0	0	1	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	1	1	1	1	1	1	0
1998	Wet	1	1	1	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norm	0	0	0	4	0	0	1	2	2	2	0	0	1
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	1	0	1	1	1	0	0	1	0
2003	Above Norm	1	1	1	3	0	3	-1	0	0	0	0	0	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	1	0	0	0	0	0	0	0	0	0
Above Norm		0	0	0	1	0	0	0	0	0	0	0	0	0
Below Norm		0	0	1	0	0	-1	0	0	0	0	0	0	0
Dry		0	0	0	0	0	1	0	0	0	0	0	0	0
Critical		0	0	0	0	1	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at Oso: CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norm	0%	0%	0%	116%	3%	0%	-2%	-1%	-1%	-1%	-1%	-1%
1923	Below Norm	-1%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%	10%	9%
1924	Critical	5%	4%	4%	2%	2%	1%	1%	1%	1%	1%	1%	1%
1925	Dry	0%	1%	0%	-36%	0%	0%	7%	3%	3%	2%	13%	14%
1926	Dry	39%	68%	1166%	9%	0%	61%	-5%	5%	-2%	-2%	-2%	-2%
1927	Wet	-2%	-2%	-2%	1%	4%	0%	0%	0%	0%	0%	0%	0%
1928	Above Norm	0%	0%	0%	22%	0%	3%	7%	-2%	-2%	-2%	-2%	-2%
1929	Critical	-2%	-2%	-2%	1%	1%	0%	1%	2%	2%	-2%	2%	2%
1930	Dry	4%	1%	0%	0%	-21%	1%	9%	1%	-1%	-6%	-5%	-2%
1931	Critical	8%	10%	63%	61%	74%	19%	-6%	-6%	-7%	-7%	-7%	-7%
1932	Dry	-19%	-4%	0%	0%	0%	-2%	-2%	-2%	-2%	-1%	-7%	-7%
1933	Critical	-20%	-36%	0%	-23%	21%	-2%	-2%	-2%	-2%	-1%	-7%	-8%
1934	Critical	-15%	-20%	-34%	-2%	17%	-3%	-1%	-1%	-1%	-1%	-1%	-1%
1935	Below Norm	-1%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1936	Below Norm	0%	0%	0%	-7%	0%	0%	3%	2%	2%	2%	2%	3%
1937	Below Norm	4%	4%	12%	10%	0%	0%	-3%	-3%	-3%	-3%	-3%	-3%
1938	Wet	-4%	-4%	-4%	1%	0%	0%	0%	-3%	0%	0%	0%	0%
1939	Dry	0%	0%	-1%	0%	1%	1%	0%	0%	0%	0%	0%	0%
1940	Above Norm	0%	0%	0%	-3%	1%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	19%	4%	0%	0%	0%	3%	0%	0%	-4%
1942	Wet	-3%	-2%	-2%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%
1944	Dry	1%	1%	1%	1%	47%	2%	-4%	-4%	-4%	-4%	-4%	-4%
1945	Below Norm	-5%	-5%	-5%	-1%	16%	-18%	-1%	0%	0%	0%	0%	0%
1946	Below Norm	0%	0%	0%	1%	0%	0%	0%	0%	1%	0%	0%	0%
1947	Dry	0%	0%	0%	0%	-1%	35%	7%	6%	6%	6%	6%	6%
1948	Below Norm	7%	7%	8%	0%	5%	2%	-8%	-2%	-2%	-2%	-2%	-2%
1949	Dry	-2%	-2%	-3%	-3%	-2%	-1%	-6%	-7%	-7%	-7%	-9%	-10%
1950	Below Norm	-14%	-16%	-25%	-6%	-2%	-8%	2%	1%	1%	1%	1%	1%
1951	Above Norm	2%	2%	2%	2%	0%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%
1954	Above Norm	0%	0%	0%	2%	0%	0%	0%	0%	1%	-2%	-1%	0%
1955	Dry	0%	0%	0%	1%	0%	5%	3%	4%	4%	4%	12%	13%
1956	Wet	27%	36%	78%	0%	-1%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norm	0%	0%	0%	1%	0%	0%	3%	5%	2%	2%	2%	2%
1958	Wet	3%	3%	3%	0%	4%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norm	0%	0%	-2%	0%	1%	2%	1%	1%	1%	1%	1%	1%
1960	Dry	1%	1%	1%	-1%	1%	2%	10%	2%	-3%	-11%	-9%	-5%
1961	Dry	10%	13%	64%	47%	-53%	5%	7%	1%	-1%	-5%	-4%	-2%
1962	Below Norm	6%	7%	36%	24%	37%	-34%	-21%	-4%	-5%	-5%	-5%	-6%
1963	Wet	-7%	-7%	-8%	-5%	0%	0%	-2%	-2%	-3%	-3%	-2%	-1%
1964	Dry	-1%	-1%	-1%	54%	0%	20%	-24%	-3%	-5%	-4%	-3%	-1%
1965	Wet	6%	8%	28%	13%	1%	1%	3%	3%	3%	3%	3%	3%
1966	Below Norm	3%	3%	4%	0%	0%	0%	0%	0%	1%	1%	1%	1%
1967	Wet	1%	1%	1%	21%	3%	0%	-1%	-1%	-1%	-1%	-1%	-1%
1968	Below Norm	-2%	-1%	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%
1969	Wet	1%	1%	1%	20%	3%	0%	-1%	-1%	-1%	-1%	-1%	-1%
1970	Wet	-2%	-2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	14%	-6%
1972	Below Norm	-3%	-2%	-1%	33%	1%	12%	10%	-3%	-6%	-9%	-9%	-7%
1973	Above Norm	0%	1%	33%	-8%	-10%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	1%	0%	0%	4%	5%	5%	5%	5%	5%
1977	Critical	7%	7%	7%	1%	4%	1%	-15%	-19%	-24%	-25%	-23%	-23%
1978	Above Norm	-1%	-8%	0%	19%	-11%	0%	1%	3%	4%	4%	4%	3%
1979	Below Norm	10%	12%	19%	-32%	-8%	-5%	0%	0%	0%	0%	0%	0%
1980	Above Norm	0%	1%	1%	3%	0%	0%	0%	1%	1%	1%	1%	1%
1981	Dry	1%	1%	1%	1%	0%	0%	1%	1%	1%	1%	1%	1%
1982	Wet	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	0%	-6%	-3%	-3%	-5%	-5%
1986	Wet	-6%	-6%	-6%	0%	24%	0%	3%	4%	4%	4%	4%	4%
1987	Dry	5%	5%	5%	4%	-2%	-14%	-2%	-2%	-2%	-2%	-2%	-2%
1988	Critical	-3%	-3%	-3%	-5%	-20%	-2%	-5%	-6%	-7%	-7%	-7%	-7%
1989	Dry	-23%	-4%	0%	0%	0%	2%	1%	1%	1%	1%	1%	2%
1990	Critical	2%	3%	5%	119%	132%	29%	1%	1%	1%	1%	1%	1%
1991	Critical	2%	0%	0%	0%	0%	-17%	5%	6%	7%	7%	7%	7%
1992	Critical	28%	3%	0%	0%	0%	-79%	41%	-2%	-2%	-2%	-8%	-8%
1993	Above Norm	-20%	-31%	-88%	-4%	0%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	-1%	0%	2%	8%	2%	-28%	1%	3%	7%
1995	Wet	24%	28%	80%	35%	0%	0%	3%	17%	4%	6%	3%	1%
1996	Wet	1%	1%	-34%	8%	12%	0%	-3%	4%	1%	1%	1%	1%
1997	Wet	1%	1%	1%	0%	0%	0%	3%	4%	4%	4%	4%	4%
1998	Wet	5%	5%	6%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norm	0%	0%	0%	34%	0%	0%	5%	10%	8%	7%	1%	-2%
2001	Dry	-2%	-2%	-2%	0%	-2%	0%	2%	1%	2%	2%	2%	2%
2002	Dry	2%	2%	3%	1%	10%	0%	4%	3%	3%	2%	2%	3%
2003	Above Norm	5%	5%	9%	18%	1%	18%	-5%	-2%	-2%	-1%	-1%	0%
Average		1%	1%	17%	7%	4%	1%	1%	0%	-1%	-1%	0%	0%
Wet		2%	2%	5%	4%	2%	0%	0%	1%	0%	0%	1%	0%
Above Norm		-1%	-3%	-4%	17%	-1%	2%	1%	1%	1%	0%	0%	0%
Below Norm		0%	1%	3%	1%	4%	-3%	-1%	0%	-1%	-1%	0%	0%
Dry		1%	4%	69%	4%	-1%	6%	3%	0%	-1%	-1%	-1%	0%
Critical		1%	-3%	3%	13%	19%	-4%	3%	-2%	-5%	-2%	-3%	-3%

Difference in Energy Use (GWh) At Pumping Plant at Pearblossom: CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norm	0	0	0	7	2	0	-1	-1	0	-1	-1	-1	0
1923	Below Norm	-1	-1	-1	0	0	0	0	0	0	0	0	10	1
1924	Critical	3	3	3	11	10	4	0	0	1	0	0	0	3
1925	Dry	0	0	0	0	0	2	-2	-3	-3	-1	1	1	0
1926	Dry	3	5	3	1	-10	20	0	-2	-2	-2	-2	-2	1
1927	Wet	-2	-2	-2	1	-2	0	0	0	0	0	0	0	-1
1928	Above Norm	0	0	0	9	0	0	5	-2	-1	-2	-2	-2	0
1929	Critical	-2	-2	-1	0	0	0	1	1	1	1	1	1	0
1930	Dry	1	0	0	0	0	0	9	2	-1	3	-2	-3	1
1931	Critical	4	4	9	15	13	5	-3	-4	-5	-3	-3	-3	2
1932	Dry	-2	-1	-1	0	-1	-1	1	1	2	0	-1	-1	0
1933	Critical	-2	-3	-2	0	-1	-1	2	2	2	1	0	0	0
1934	Critical	-1	-3	-2	0	0	0	0	0	0	0	0	0	-1
1935	Below Norm	0	0	0	0	0	-8	5	0	0	0	0	0	0
1936	Below Norm	0	1	0	0	0	1	1	0	-1	0	0	0	0
1937	Below Norm	2	-6	-1	0	0	25	-3	-3	-3	-3	-3	-2	0
1938	Wet	-3	-3	-3	0	0	0	0	0	0	0	0	0	-1
1939	Dry	0	0	0	0	0	1	0	0	0	0	0	0	0
1940	Above Norm	0	0	0	0	1	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	5	-2	0	0	0	-1	0	0	0	0
1942	Wet	-5	-2	-2	0	0	0	0	0	0	0	0	0	-1
1943	Wet	0	0	0	0	0	0	1	1	1	1	1	1	0
1944	Dry	1	1	1	0	20	0	-4	-4	-4	-4	-4	-4	0
1945	Below Norm	-4	-4	-4	0	1	-7	0	0	0	0	0	0	-1
1946	Below Norm	0	0	0	-1	0	0	0	1	0	0	0	0	0
1947	Dry	0	0	0	0	0	0	4	5	4	5	5	5	2
1948	Below Norm	4	4	4	2	2	0	-1	-2	-2	-2	-2	-2	1
1949	Dry	-2	-2	-2	-7	-7	-2	-2	-3	-3	-3	-5	-5	-4
1950	Below Norm	-4	-4	-4	-1	0	10	1	1	1	1	1	1	0
1951	Above Norm	1	1	1	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norm	0	0	0	0	0	0	0	0	0	0	-2	0	0
1955	Dry	0	0	0	0	0	1	-3	-2	-2	0	2	2	0
1956	Wet	3	4	3	0	0	0	0	0	0	0	0	0	1
1957	Above Norm	0	0	0	0	0	0	3	3	1	1	1	1	1
1958	Wet	1	1	1	0	-2	0	0	0	0	0	0	0	0
1959	Below Norm	0	0	0	0	-1	2	1	1	1	1	1	1	0
1960	Dry	1	1	1	1	1	0	15	3	-2	6	-4	-6	1
1961	Dry	7	7	13	21	17	-12	8	2	-1	3	-2	-2	5
1962	Below Norm	4	4	7	11	9	-49	-5	-3	-2	-3	-2	-2	-3
1963	Wet	-5	-5	-3	0	0	0	0	0	2	-4	-3	-1	-2
1964	Dry	-1	-1	-1	32	0	5	16	-10	-41	4	-1	-1	0
1965	Wet	4	4	6	1	0	1	2	2	2	2	2	2	2
1966	Below Norm	2	2	2	0	0	0	0	0	0	0	0	0	1
1967	Wet	0	0	0	19	-2	0	-1	-2	-1	-2	-2	-2	1
1968	Below Norm	-1	-1	0	0	0	0	1	1	1	1	1	1	0
1969	Wet	1	1	1	17	-2	0	-1	0	-1	-1	-1	-1	1
1970	Wet	-1	-1	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	4	0	0	0
1972	Below Norm	-3	-1	-1	20	-1	0	9	-2	-4	-1	-5	-6	0
1973	Above Norm	0	0	3	7	5	0	0	0	0	0	0	0	1
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	8	3	3	3	3	3	2
1977	Critical	3	3	3	2	2	0	-5	-6	-7	-5	-5	-5	-2
1978	Above Norm	-3	-2	-2	57	-11	0	0	0	-3	0	0	0	3
1979	Below Norm	0	0	0	-10	-4	-4	0	0	0	0	0	0	-1
1980	Above Norm	0	0	0	0	0	0	-1	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	1	1	1	1	1	1	0
1982	Wet	1	1	1	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	-1	-5	-3	7	-2	-4	-1
1986	Wet	-4	-4	-4	-2	0	0	2	3	3	3	3	3	0
1987	Dry	3	3	3	3	0	-13	-1	-1	-1	-1	-1	-1	-1
1988	Critical	-1	-1	-1	-2	0	-1	-3	-4	-4	-3	-3	-3	-2
1989	Dry	-2	-1	-1	0	-1	0	0	0	-1	0	0	0	-1
1990	Critical	0	0	0	19	18	7	0	0	0	0	0	0	4
1991	Critical	0	0	0	0	0	0	2	3	4	3	3	3	1
1992	Critical	2	1	1	0	0	-1	3	2	2	0	-1	-1	1
1993	Above Norm	-2	-3	-2	0	0	0	0	0	0	0	0	0	-1
1994	Critical	0	0	0	0	0	2	10	2	-56	11	5	4	-2
1995	Wet	12	11	16	6	0	0	3	3	0	2	1	1	5
1996	Wet	0	0	-3	-4	-7	0	1	1	1	1	1	1	-1
1997	Wet	1	0	0	0	0	0	2	3	2	3	3	2	1
1998	Wet	2	2	2	0	0	0	0	0	0	0	0	0	1
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norm	0	0	0	27	0	0	3	3	-2	2	1	-2	3
2001	Dry	-2	-2	-2	0	0	0	1	1	1	1	1	1	0
2002	Dry	1	1	1	0	6	0	4	3	2	3	2	2	2
2003	Above Norm	3	3	3	15	0	12	-5	-1	-6	3	2	0	2
Average		0	0	1	3	1	0	1	0	-2	0	0	0	0
Wet		0	0	1	2	-1	0	0	0	0	0	0	0	0
Above Norm		0	0	0	10	0	1	0	0	-1	0	0	0	1
Below Norm		0	0	0	2	0	-2	1	0	-1	0	-1	0	0
Dry		0	1	1	3	1	0	3	-1	-3	1	-1	-1	0
Critical		1	0	1	4	3	1	1	0	-5	1	0	0	1

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at Pearblossom: CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norm	0%	0%	0%	323%	3%	0%	-1%	-1%	-1%	-1%	-1%	-1%
1923	Below Norm	-1%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	13%
1924	Critical	4%	4%	4%	20%	19%	19%	1%	2%	2%	2%	2%	2%
1925	Dry	2%	2%	2%	3%	0%	27%	-5%	-5%	-5%	-2%	2%	2%
1926	Dry	7%	14%	12%	9%	-16%	44%	1%	-2%	-2%	-2%	-2%	-2%
1927	Wet	-2%	-3%	-2%	1%	-3%	0%	0%	0%	0%	0%	0%	0%
1928	Above Norm	0%	0%	0%	11%	0%	0%	6%	-2%	-2%	-2%	-2%	-2%
1929	Critical	-2%	-2%	-2%	1%	1%	1%	2%	2%	2%	2%	2%	2%
1930	Dry	2%	2%	2%	3%	1%	0%	20%	3%	-2%	5%	-2%	-4%
1931	Critical	7%	7%	18%	109%	91%	64%	-7%	-8%	-8%	-7%	-7%	-7%
1932	Dry	-8%	-8%	-8%	-6%	-2%	-10%	3%	3%	2%	0%	-2%	-2%
1933	Critical	-5%	-9%	-8%	-4%	-4%	-1%	5%	4%	4%	2%	0%	-1%
1934	Critical	-3%	-6%	-6%	-4%	-3%	-2%	-1%	-1%	-1%	-1%	-1%	-1%
1935	Below Norm	-1%	-1%	-1%	-1%	0%	-12%	8%	0%	0%	0%	0%	0%
1936	Below Norm	0%	3%	-1%	-2%	2%	1%	1%	0%	-1%	0%	0%	0%
1937	Below Norm	2%	-8%	-4%	3%	0%	44%	-3%	-3%	-3%	-3%	-3%	-3%
1938	Wet	-4%	-4%	-4%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1940	Above Norm	0%	0%	0%	2%	2%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	6%	-2%	0%	0%	0%	-2%	0%	0%	0%
1942	Wet	-5%	-2%	-2%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%
1944	Dry	1%	1%	1%	1%	30%	0%	-4%	-5%	-5%	-5%	-5%	-5%
1945	Below Norm	-5%	-5%	-5%	-1%	1%	-8%	0%	0%	0%	0%	0%	0%
1946	Below Norm	0%	0%	0%	-1%	0%	0%	0%	0%	2%	0%	0%	0%
1947	Dry	0%	0%	0%	-1%	0%	0%	6%	6%	6%	6%	6%	6%
1948	Below Norm	6%	6%	6%	6%	7%	4%	-2%	-2%	-2%	-2%	-2%	-2%
1949	Dry	-2%	-2%	-2%	-14%	-14%	-13%	-5%	-5%	-5%	-6%	-7%	-7%
1950	Below Norm	-8%	-9%	-9%	-9%	-4%	50%	1%	1%	1%	1%	1%	1%
1951	Above Norm	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-2%	0%
1955	Dry	0%	0%	0%	0%	0%	2%	-6%	-3%	-3%	0%	3%	3%
1956	Wet	6%	11%	10%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norm	0%	0%	0%	0%	0%	0%	3%	5%	2%	2%	2%	2%
1958	Wet	2%	2%	2%	0%	-3%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norm	0%	0%	0%	0%	-1%	2%	1%	1%	1%	1%	1%	1%
1960	Dry	1%	1%	1%	1%	1%	1%	27%	4%	-3%	8%	-5%	-7%
1961	Dry	11%	12%	22%	78%	60%	-33%	14%	3%	-1%	4%	-2%	-3%
1962	Below Norm	6%	6%	13%	47%	42%	-65%	-6%	-4%	-2%	-3%	-2%	-2%
1963	Wet	-6%	-6%	-4%	0%	0%	0%	0%	2%	2%	-4%	-3%	-1%
1964	Dry	-1%	-1%	-1%	54%	0%	5%	30%	-16%	-65%	6%	-1%	-2%
1965	Wet	7%	7%	12%	1%	-1%	2%	3%	3%	3%	3%	3%	3%
1966	Below Norm	3%	3%	3%	0%	0%	0%	1%	1%	1%	1%	1%	1%
1967	Wet	1%	1%	1%	28%	-2%	0%	-2%	-2%	-2%	-2%	-2%	-2%
1968	Below Norm	-2%	-2%	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%
1969	Wet	1%	1%	1%	27%	-2%	0%	-1%	0%	-2%	-2%	-2%	-2%
1970	Wet	-2%	-2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	4%	0%
1972	Below Norm	-3%	-2%	-1%	29%	-1%	0%	19%	-4%	-7%	-2%	-8%	-9%
1973	Above Norm	0%	0%	7%	9%	7%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	11%	6%	6%	6%	6%	6%
1977	Critical	6%	6%	6%	5%	4%	1%	-27%	-28%	-27%	-26%	-27%	-27%
1978	Above Norm	-28%	-31%	-28%	1398%	-16%	0%	0%	0%	-3%	0%	0%	0%
1979	Below Norm	0%	0%	0%	-34%	-5%	-5%	0%	0%	0%	0%	0%	0%
1980	Above Norm	0%	0%	0%	0%	0%	0%	-1%	1%	1%	1%	1%	1%
1981	Dry	1%	1%	1%	0%	0%	0%	1%	1%	1%	1%	1%	1%
1982	Wet	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	-1%	-6%	-4%	12%	-4%	-5%
1986	Wet	-5%	-5%	-5%	-3%	0%	0%	3%	4%	4%	4%	4%	4%
1987	Dry	4%	4%	4%	3%	0%	-17%	-2%	-2%	-2%	-2%	-2%	-2%
1988	Critical	-2%	-2%	-2%	-4%	0%	-4%	-7%	-7%	-7%	-7%	-7%	-7%
1989	Dry	-8%	-8%	-7%	-7%	-14%	-6%	0%	0%	-1%	0%	0%	0%
1990	Critical	0%	0%	0%	431%	328%	160%	1%	1%	1%	1%	1%	1%
1991	Critical	1%	1%	1%	-1%	-5%	-9%	7%	7%	7%	7%	7%	7%
1992	Critical	7%	8%	8%	4%	1%	-22%	7%	3%	3%	1%	-2%	-2%
1993	Above Norm	-5%	-9%	-8%	-5%	0%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	0%	0%	3%	22%	3%	-97%	19%	8%	6%
1995	Wet	24%	25%	38%	21%	0%	0%	3%	3%	0%	2%	2%	1%
1996	Wet	0%	0%	-3%	-4%	-8%	0%	1%	1%	1%	1%	1%	1%
1997	Wet	1%	1%	1%	0%	0%	0%	4%	4%	4%	4%	4%	4%
1998	Wet	4%	4%	4%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norm	0%	0%	0%	47%	0%	0%	3%	3%	-2%	2%	1%	-2%
2001	Dry	-2%	-2%	-2%	0%	0%	0%	2%	2%	2%	2%	2%	2%
2002	Dry	2%	2%	2%	1%	10%	0%	6%	4%	3%	4%	3%	3%
2003	Above Norm	4%	5%	5%	20%	0%	17%	-7%	-1%	-7%	12%	28%	0%
Average		0%	0%	1%	32%	6%	3%	2%	0%	-3%	1%	0%	0%
Wet		1%	1%	2%	3%	-1%	0%	1%	1%	0%	0%	0%	0%
Above Norm		-2%	-3%	-2%	150%	0%	1%	0%	0%	-1%	1%	2%	0%
Below Norm		0%	-1%	0%	3%	3%	1%	2%	-1%	-1%	0%	-1%	0%
Dry		0%	1%	1%	7%	3%	0%	5%	-1%	-5%	2%	-1%	-1%
Critical		1%	0%	1%	46%	36%	17%	1%	-1%	-10%	0%	-2%	-2%

Difference in Energy Use (GWh) At Pumping Plant at South Bay: CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	1	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	1	1	1	1	1	0
1924	Critical	1	0	0	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	1	1	0	1	-1	0	0	0	0	0	0
1927	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	4	0	0	0	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	0	-3	0	3	3	2	-4	1	1	0
1931	Critical	1	2	1	-3	-3	-1	0	0	0	0	0	0	0
1932	Dry	0	0	0	-1	0	3	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1935	Below Norma	0	0	0	0	0	0	-4	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	0	0	0	0	0	1	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1940	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	4	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	4	-1	-1	-1	-1	-1	-1	-1	0
1945	Below Norma	-1	-1	-1	0	5	0	0	0	0	0	0	0	0
1946	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1947	Dry	0	0	0	0	0	0	1	1	1	1	1	1	0
1948	Below Norma	1	1	1	0	0	0	0	0	0	0	0	0	0
1949	Dry	0	0	0	0	0	0	0	-1	-1	-1	-1	-1	0
1950	Below Norma	0	-1	0	-1	0	0	0	0	0	0	0	0	0
1951	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	1	1	0	0
1956	Wet	0	0	1	0	0	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	4	0	4	3	1	1	2	1
1961	Dry	2	2	2	-4	-17	12	2	2	2	1	0	1	0
1962	Below Norma	1	1	1	-2	-2	1	-4	-1	-1	-1	-1	-1	-1
1963	Wet	-1	0	0	0	0	1	1	0	0	0	0	0	0
1964	Dry	0	0	0	8	0	3	1	1	1	0	0	0	1
1965	Wet	0	0	0	-2	0	-2	0	0	0	0	0	0	0
1966	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	3	-6	0	2	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	3	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	5	0	1	1	1	1	0	0	0	1
1973	Above Norma	0	1	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	1	0	-1	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	1	1	1	1	1	1	0
1977	Critical	1	1	0	0	0	0	0	0	-1	-1	-1	-1	0
1978	Above Norma	0	0	0	-2	-3	-1	0	-1	0	1	1	0	0
1979	Below Norma	1	1	1	0	0	0	0	0	0	0	0	0	0
1980	Above Norma	0	0	0	1	-7	0	3	0	0	0	0	0	0
1981	Dry	0	0	0	0	-1	0	1	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	-1	-1	-1	-1	-1	0
1986	Wet	-1	0	0	0	5	0	0	-4	1	1	1	1	0
1987	Dry	1	0	0	0	-1	-2	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	Dry	0	0	0	-1	-1	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	1	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	1	-9	4	0	0	0	0	0	0
1993	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	3	3	2	1	1	2	1
1995	Wet	1	2	1	-3	-2	-1	-1	1	1	1	1	1	0
1996	Wet	1	1	-8	0	3	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	1	1	1	0	1	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	-1	1	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	5	-1	0	0	-1	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	1	0	1	1	1	1	1	1	0
2003	Above Norma	1	1	1	2	-1	1	-1	0	0	0	0	0	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norma		0	0	0	1	-1	0	0	0	0	0	0	0	0
Below Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Dry		0	0	0	0	-1	1	0	1	0	0	0	0	0
Critical		0	0	0	0	0	-1	1	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at South Bay: CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norm	0%	0%	0%	170%	3%	0%	-1%	-1%	-1%	-1%	-1%	-1%
1923	Below Norm	-2%	-1%	-1%	0%	0%	0%	0%	3%	3%	3%	3%	3%
1924	Critical	7%	5%	4%	3%	3%	2%	0%	0%	0%	1%	1%	1%
1925	Dry	2%	2%	2%	1%	6%	47%	0%	2%	4%	6%	5%	4%
1926	Dry	-9%	-20%	20%	12%	0%	16%	-10%	-2%	-2%	-1%	-1%	-2%
1927	Wet	-5%	-4%	-3%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1928	Above Norm	-1%	0%	0%	73%	-3%	0%	-2%	-2%	-2%	-2%	-2%	-2%
1929	Critical	-6%	-4%	-3%	2%	2%	1%	1%	2%	1%	1%	2%	2%
1930	Dry	2%	2%	22%	3%	-15%	2%	38%	33%	20%	-21%	6%	11%
1931	Critical	35%	44%	18%	-41%	-34%	-8%	-4%	-7%	-7%	-7%	-7%	-7%
1932	Dry	-8%	-8%	-8%	-36%	0%	72%	-2%	-2%	-3%	-4%	-4%	-3%
1933	Critical	4%	10%	-14%	-6%	0%	0%	-2%	-2%	-3%	-3%	-3%	-3%
1934	Critical	7%	11%	-8%	-6%	0%	10%	-1%	-1%	-1%	-1%	-1%	-1%
1935	Below Norm	-1%	-9%	-1%	-1%	-1%	0%	-20%	0%	0%	0%	0%	0%
1936	Below Norm	-1%	-1%	0%	-10%	4%	0%	1%	2%	2%	2%	2%	2%
1937	Below Norm	3%	3%	2%	13%	1%	0%	8%	-2%	-2%	-2%	-2%	-2%
1938	Wet	-4%	-4%	-3%	2%	0%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1940	Above Norm	0%	0%	0%	-6%	1%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	57%	-2%	0%	-2%	-2%	-2%	-2%	-2%	-2%
1942	Wet	-4%	-3%	-2%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	1%	1%	1%	1%	1%
1944	Dry	2%	2%	1%	1%	85%	-3%	-3%	-4%	-3%	-3%	-3%	-4%
1945	Below Norm	-7%	-6%	-4%	-1%	34%	2%	0%	0%	0%	0%	0%	0%
1946	Below Norm	1%	0%	0%	2%	0%	0%	0%	0%	0%	0%	0%	0%
1947	Dry	-1%	0%	0%	0%	0%	0%	6%	6%	6%	6%	6%	6%
1948	Below Norm	14%	10%	6%	-4%	4%	-2%	-5%	-2%	-2%	-2%	-2%	-2%
1949	Dry	-4%	-3%	-2%	-4%	-4%	-1%	-4%	-7%	-7%	-8%	-8%	-8%
1950	Below Norm	-5%	-59%	-8%	-9%	-7%	0%	2%	2%	2%	2%	2%	2%
1951	Above Norm	3%	2%	2%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Norm	0%	0%	0%	3%	1%	0%	0%	0%	0%	0%	0%	0%
1955	Dry	-1%	-1%	0%	1%	1%	0%	2%	4%	5%	6%	6%	5%
1956	Wet	-7%	15%	14%	2%	0%	0%	0%	-1%	-1%	0%	0%	-1%
1957	Above Norm	-1%	-1%	0%	3%	1%	2%	2%	2%	2%	2%	2%	2%
1958	Wet	6%	4%	2%	0%	1%	-1%	0%	0%	0%	0%	0%	0%
1959	Below Norm	0%	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%	1%
1960	Dry	3%	2%	1%	-2%	9%	35%	-2%	37%	22%	9%	6%	14%
1961	Dry	35%	48%	25%	-80%	-88%	155%	21%	21%	13%	5%	4%	7%
1962	Below Norm	20%	27%	13%	-43%	-41%	3%	-23%	-3%	-4%	-5%	-5%	-4%
1963	Wet	-6%	-4%	-3%	0%	4%	4%	-1%	-1%	-1%	-1%	-1%	-1%
1964	Dry	-2%	-1%	-1%	499%	-4%	17%	7%	10%	6%	1%	0%	1%
1965	Wet	1%	9%	3%	-13%	0%	-9%	2%	3%	2%	2%	2%	3%
1966	Below Norm	7%	4%	3%	-1%	0%	0%	1%	1%	1%	1%	1%	1%
1967	Wet	1%	1%	1%	101%	-32%	0%	11%	0%	-1%	-1%	-1%	-1%
1968	Below Norm	-3%	0%	-2%	0%	0%	1%	1%	1%	1%	1%	1%	1%
1969	Wet	2%	2%	1%	89%	0%	0%	-1%	0%	-1%	-1%	-1%	-2%
1970	Wet	-3%	-2%	0%	-1%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1972	Below Norm	0%	0%	0%	150%	-2%	3%	12%	17%	10%	3%	1%	3%
1973	Above Norm	14%	21%	6%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1974	Wet	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	6%	0%	-4%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	1%	2%	2%	4%	5%	5%	5%	5%	5%
1977	Critical	18%	10%	6%	-3%	-14%	-4%	-7%	-22%	-20%	-20%	-21%	-24%
1978	Above Norm	-30%	-30%	-30%	-15%	-32%	-5%	0%	-3%	0%	3%	3%	2%
1979	Below Norm	7%	5%	4%	-5%	3%	1%	0%	0%	0%	1%	0%	0%
1980	Above Norm	1%	1%	0%	6%	-42%	0%	17%	1%	1%	1%	1%	1%
1981	Dry	1%	1%	0%	1%	-9%	0%	10%	1%	1%	1%	1%	1%
1982	Wet	2%	2%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	1%	0%	-3%	-3%	-3%	-3%	-3%	-3%
1986	Wet	-7%	-5%	-4%	2%	33%	0%	1%	-22%	4%	4%	4%	4%
1987	Dry	9%	6%	4%	5%	-6%	-10%	-2%	-3%	-3%	-3%	-3%	-3%
1988	Critical	-7%	-4%	-3%	-8%	12%	-2%	-4%	-8%	-8%	-8%	-8%	-8%
1989	Dry	-8%	-8%	-8%	-39%	-16%	-2%	1%	1%	1%	1%	1%	1%
1990	Critical	2%	1%	1%	121%	57%	4%	0%	0%	-1%	0%	0%	0%
1991	Critical	1%	1%	1%	-3%	-6%	-2%	4%	8%	8%	7%	7%	7%
1992	Critical	7%	7%	7%	34%	29%	-44%	75%	-2%	-2%	-4%	-3%	-3%
1993	Above Norm	5%	14%	-11%	-6%	-2%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	1%	1%	0%	2%	3%	2%	24%	35%	23%	11%	9%	14%
1995	Wet	71%	57%	23%	-79%	-16%	-4%	-3%	4%	4%	4%	3%	4%
1996	Wet	8%	6%	-40%	0%	15%	1%	1%	1%	1%	1%	1%	1%
1997	Wet	2%	1%	1%	0%	0%	1%	4%	4%	4%	4%	4%	4%
1998	Wet	14%	8%	4%	-2%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	-8%	8%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norm	1%	0%	0%	272%	-5%	0%	-1%	-3%	-2%	-2%	-2%	-3%
2001	Dry	-5%	-4%	-3%	0%	0%	0%	2%	1%	2%	2%	2%	2%
2002	Dry	9%	4%	2%	1%	7%	0%	5%	6%	5%	4%	4%	5%
2003	Above Norm	13%	9%	6%	23%	-6%	9%	-5%	-2%	-1%	-1%	-1%	-2%
Average		2%	2%	1%	15%	-1%	4%	2%	1%	1%	0%	0%	0%
Wet		2%	3%	0%	6%	0%	0%	1%	0%	0%	0%	0%	0%
Above Norm		0%	1%	-2%	44%	-7%	1%	1%	-1%	0%	0%	0%	0%
Below Norm		2%	-2%	1%	6%	0%	1%	-2%	1%	1%	0%	0%	0%
Dry		1%	1%	3%	20%	-2%	18%	4%	6%	3%	0%	1%	2%
Critical		6%	7%	1%	8%	4%	-3%	8%	1%	0%	-1%	-2%	-1%

Difference in Energy Use (GWh) At Pumping Plant at SWP Banks: CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norm	0	0	0	0	0	0	0	0	0	-2	0	0	0
1923	Below Norm	2	0	0	0	11	1	0	-1	1	0	-6	6	1
1924	Critical	10	-2	18	-7	29	0	-2	-6	-23	12	0	-28	0
1925	Dry	-13	-1	-1	25	0	0	0	0	0	0	0	14	2
1926	Dry	-1	0	0	0	3	1	0	1	2	3	1	-2	1
1927	Wet	-3	0	0	0	0	0	0	0	0	-1	-1	0	0
1928	Above Norm	0	0	0	0	2	0	9	0	0	-4	4	6	1
1929	Critical	-2	-2	7	-1	-2	1	0	0	0	-13	-4	0	-1
1930	Dry	0	0	0	0	-10	0	0	-3	6	37	-19	-2	1
1931	Critical	15	0	19	-5	20	-2	0	1	-25	-7	0	0	1
1932	Dry	-1	-3	0	0	-3	0	0	0	0	0	0	0	-1
1933	Critical	0	0	-8	0	-1	0	0	0	0	0	0	-6	-1
1934	Critical	-1	-2	0	0	0	0	0	0	0	0	-2	-9	-1
1935	Below Norm	0	0	1	0	0	1	0	0	1	7	-5	-5	0
1936	Below Norm	0	0	0	0	0	0	0	2	0	3	3	5	1
1937	Below Norm	0	0	3	7	0	0	0	2	-4	-4	-4	0	0
1938	Wet	0	0	0	0	0	-4	0	0	0	0	0	0	0
1939	Dry	0	-1	0	-1	0	-9	0	0	11	0	0	-4	0
1940	Above Norm	1	2	-1	0	0	0	0	0	0	0	0	0	0
1941	Wet	-2	-3	0	0	0	0	0	0	3	3	-1	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	2	2	0	0
1943	Wet	0	0	0	-4	0	0	0	1	0	2	2	0	0
1944	Dry	2	0	2	0	0	-3	0	0	-10	0	0	7	0
1945	Below Norm	1	0	0	0	0	0	0	0	0	-2	-2	0	0
1946	Below Norm	1	0	0	0	0	-7	0	0	1	9	8	-1	1
1947	Dry	-1	-9	0	0	1	14	0	0	17	13	9	8	4
1948	Below Norm	11	-4	0	3	0	0	1	-5	7	-15	-4	-12	-1
1949	Dry	-9	0	0	1	-3	0	0	-1	0	-22	-7	-4	-4
1950	Below Norm	-2	-10	-5	0	0	-2	-2	0	4	6	-3	1	-1
1951	Above Norm	6	0	0	0	0	0	0	0	0	-3	3	3	1
1952	Wet	1	5	0	0	0	-9	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	-2	0	0	8	0	0	0
1954	Above Norm	0	0	0	0	0	0	0	0	-1	0	-2	-2	0
1955	Dry	6	-2	0	0	0	13	1	0	0	-1	-27	7	0
1956	Wet	2	1	0	0	20	0	0	0	0	0	-2	0	2
1957	Above Norm	0	0	0	0	0	0	0	0	5	12	4	0	2
1958	Wet	0	0	0	0	0	0	0	0	0	-1	0	0	0
1959	Below Norm	0	0	0	0	0	0	0	0	2	2	2	0	1
1960	Dry	2	39	-13	-3	1	0	0	0	-9	8	-2	1	2
1961	Dry	10	0	0	0	0	2	-1	2	0	8	19	-2	3
1962	Below Norm	-6	8	-4	1	0	0	0	1	-34	-2	-1	-4	-3
1963	Wet	0	0	0	0	0	-5	0	0	-3	-15	-15	-1	-3
1964	Dry	-1	0	0	0	0	0	2	1	23	4	1	6	3
1965	Wet	-4	0	0	0	9	-4	0	2	31	-12	-2	1	3
1966	Below Norm	-14	0	0	0	-10	0	0	0	0	1	1	1	-2
1967	Wet	-2	0	0	0	0	5	0	0	0	0	0	0	0
1968	Below Norm	0	0	0	0	0	0	0	0	1	2	2	0	0
1969	Wet	5	-1	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	2	-1	-1	0	0
1971	Wet	6	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Norm	0	0	0	0	0	0	0	0	-1	9	10	0	1
1973	Above Norm	2	0	0	0	0	0	0	0	1	1	1	0	0
1974	Wet	-3	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	-3	1	1	10	18	0	5	3
1977	Critical	-1	7	5	-1	-11	1	0	1	0	0	2	1	0
1978	Above Norm	34	0	4	-11	-4	-2	0	-13	-3	11	9	-2	2
1979	Below Norm	0	0	0	0	0	0	0	0	2	2	-6	0	0
1980	Above Norm	0	0	0	0	0	1	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	4	0	0	1	2	3	-1	1
1982	Wet	2	0	0	0	0	1	0	0	0	0	-2	0	0
1983	Wet	0	0	2	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	-4	0	0	-1	0	-15	0	0	9	0	-1	-12	-2
1986	Wet	0	0	0	0	0	0	0	-8	-2	10	-18	-2	-2
1987	Dry	7	5	-2	-43	0	0	30	-17	16	30	-5	3	2
1988	Critical	-1	1	0	0	0	0	0	0	0	-25	-11	0	-3
1989	Dry	3	-1	-1	-3	-1	0	2	0	0	2	0	11	1
1990	Critical	0	18	1	0	0	0	0	0	0	2	1	0	2
1991	Critical	-1	2	-2	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	1	0	0	0	0	3	0	0
1993	Above Norm	-5	-3	-2	0	0	0	0	-15	-13	14	14	-1	-1
1994	Critical	1	-1	-1	0	0	0	0	0	-2	1	6	5	1
1995	Wet	-2	5	-8	0	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	18	1	0	0	0	1	1	0	0	2
1997	Wet	2	0	0	0	0	0	0	0	6	6	-1	2	1
1998	Wet	11	1	0	0	0	0	0	0	0	0	0	0	1
1999	Wet	0	0	0	0	0	0	0	0	0	1	0	0	0
2000	Above Norm	0	0	0	0	0	0	0	-1	0	5	3	1	1
2001	Dry	-8	2	-2	0	0	0	0	10	0	0	-4	10	1
2002	Dry	-2	0	0	0	0	-1	1	0	3	13	3	1	1
2003	Above Norm	1	37	0	0	0	-28	-3	0	18	0	0	0	2
Average		1	1	0	0	1	-1	0	-1	1	2	0	0	0
Wet		1	0	0	1	1	-1	0	0	1	0	-1	0	0
Above Norm		3	3	0	-1	0	-2	1	-2	1	3	3	0	1
Below Norm		-1	0	0	1	0	0	0	0	-1	1	0	0	0
Dry		-1	2	-1	-1	-1	0	2	0	4	5	-2	2	1
Critical		2	2	3	-1	3	0	0	0	-3	-1	0	-3	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at SWP Banks: CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	-5%	0%	0%
1923	Below Norma	3%	0%	0%	0%	14%	2%	0%	-2%	2%	0%	-5%	7%
1924	Critical	13%	-3%	24%	-11%	570%	0%	-22%	-52%	-69%	46%	1%	-51%
1925	Dry	-23%	-3%	-1%	26%	1%	0%	0%	0%	0%	0%	0%	24%
1926	Dry	-2%	0%	0%	0%	2%	2%	0%	2%	3%	8%	1%	-3%
1927	Wet	-3%	0%	0%	0%	0%	0%	0%	-1%	0%	-1%	-1%	0%
1928	Above Norma	0%	0%	0%	0%	1%	0%	13%	0%	0%	-15%	6%	8%
1929	Critical	-4%	-3%	8%	-1%	-3%	2%	0%	0%	0%	-70%	-7%	0%
1930	Dry	0%	0%	0%	0%	-14%	0%	0%	-11%	14%	526%	-26%	-3%
1931	Critical	31%	1%	36%	-6%	403%	-7%	0%	10%	-40%	-12%	0%	0%
1932	Dry	-3%	-8%	0%	0%	-3%	0%	0%	0%	0%	0%	0%	0%
1933	Critical	0%	0%	-10%	0%	-1%	0%	0%	0%	0%	0%	0%	-16%
1934	Critical	-3%	-6%	0%	0%	0%	0%	0%	0%	0%	0%	-4%	-17%
1935	Above Norma	0%	0%	2%	0%	0%	1%	0%	0%	1%	9%	-4%	-5%
1936	Below Norma	0%	0%	0%	0%	0%	0%	0%	3%	0%	3%	4%	6%
1937	Below Norma	0%	0%	4%	5%	0%	0%	0%	3%	-7%	-7%	-7%	0%
1938	Wet	0%	0%	0%	0%	0%	-3%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	-1%	0%	-1%	0%	-12%	-1%	0%	22%	0%	0%	-5%
1940	Above Norma	2%	4%	-2%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	-2%	-3%	0%	0%	0%	0%	0%	0%	5%	4%	-1%	0%
1942	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	5%	3%	0%
1943	Wet	0%	0%	0%	-3%	0%	0%	0%	3%	0%	3%	3%	0%
1944	Dry	2%	0%	3%	0%	0%	-3%	0%	0%	-13%	0%	0%	7%
1945	Below Norma	1%	0%	0%	0%	0%	0%	0%	0%	0%	-2%	-2%	0%
1946	Below Norma	1%	0%	0%	0%	-2%	-7%	0%	0%	1%	8%	7%	0%
1947	Dry	-1%	-9%	0%	0%	1%	13%	-2%	5%	263%	13%	9%	10%
1948	Below Norma	14%	-5%	-1%	3%	0%	0%	2%	-7%	11%	-13%	-4%	-11%
1949	Dry	-11%	0%	0%	2%	-7%	0%	-1%	0%	-29%	-15%	-6%	-6%
1950	Below Norma	-9%	-18%	-12%	0%	0%	-2%	-3%	0%	6%	9%	-7%	1%
1951	Above Norma	6%	0%	0%	0%	0%	0%	0%	0%	0%	-3%	3%	4%
1952	Wet	2%	4%	0%	0%	0%	-7%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	-2%	0%	0%	20%	0%
1954	Above Norma	0%	0%	0%	0%	0%	0%	0%	-1%	0%	0%	-2%	-2%
1955	Dry	7%	-1%	0%	0%	0%	46%	3%	0%	0%	-13%	-49%	13%
1956	Wet	6%	2%	0%	0%	16%	0%	0%	0%	0%	0%	-3%	0%
1957	Above Norma	0%	0%	0%	0%	0%	0%	2%	0%	7%	23%	4%	0%
1958	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	0%	0%
1959	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	4%	2%	2%	0%
1960	Dry	3%	86%	-13%	-3%	0%	0%	0%	0%	-16%	13%	-2%	2%
1961	Dry	20%	0%	0%	0%	0%	2%	-4%	19%	6%	12%	25%	-3%
1962	Below Norma	-9%	14%	-3%	1%	0%	0%	0%	10%	-47%	-2%	-1%	-4%
1963	Wet	0%	0%	0%	0%	0%	-5%	0%	0%	-4%	-17%	-17%	-1%
1964	Dry	-1%	0%	0%	0%	0%	1%	5%	4%	39%	3%	1%	9%
1965	Wet	8%	0%	0%	0%	7%	-5%	0%	8%	108%	-31%	-5%	1%
1966	Below Norma	-18%	0%	0%	0%	-9%	0%	0%	0%	0%	1%	1%	2%
1967	Wet	-3%	0%	0%	0%	0%	4%	0%	0%	0%	0%	0%	0%
1968	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	1%	3%	3%	0%
1969	Wet	7%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	0%	0%	0%	4%	-1%	-1%	0%
1971	Wet	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1972	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	-2%	15%	18%	0%
1973	Above Norma	4%	0%	0%	0%	0%	0%	0%	0%	1%	1%	1%	0%
1974	Wet	-4%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	-3%	2%	2%	19%	120%	0%	9%
1977	Critical	-2%	13%	5%	-2%	-64%	6%	0%	5%	0%	0%	15%	2%
1978	Above Norma	154%	-1%	3%	-8%	-4%	-1%	0%	-13%	-5%	24%	24%	-2%
1979	Below Norma	0%	0%	0%	0%	0%	0%	-1%	0%	2%	3%	-12%	0%
1980	Above Norma	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	0%	4%	0%	0%	1%	3%	4%	-1%
1982	Wet	2%	0%	0%	0%	0%	1%	0%	0%	0%	0%	-1%	0%
1983	Wet	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	-4%	0%	0%	-1%	0%	-30%	0%	0%	13%	0%	0%	-12%
1986	Wet	0%	0%	0%	0%	0%	0%	0%	-8%	-4%	154%	-39%	-2%
1987	Dry	11%	8%	-3%	-33%	0%	0%	502%	-46%	42%	69%	-6%	5%
1988	Critical	-2%	2%	0%	0%	0%	0%	0%	1%	0%	-82%	-25%	0%
1989	Dry	16%	-2%	-2%	-3%	-4%	0%	4%	-1%	0%	2%	0%	13%
1990	Critical	0%	27%	2%	0%	0%	0%	0%	0%	0%	15%	1%	0%
1991	Critical	-4%	13%	-7%	0%	1%	0%	0%	0%	0%	0%	0%	0%
1992	Critical	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	13%	0%
1993	Above Norma	-15%	-11%	-2%	0%	0%	0%	0%	-19%	-11%	24%	31%	-1%
1994	Critical	1%	-2%	-1%	0%	0%	0%	0%	0%	-4%	1%	6%	9%
1995	Wet	-5%	9%	-11%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	0%	15%	1%	0%	0%	0%	3%	3%	0%	0%
1997	Wet	5%	0%	0%	0%	0%	0%	0%	0%	21%	21%	-2%	2%
1998	Wet	19%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	2%	0%	0%
2000	Above Norma	0%	0%	0%	0%	0%	0%	0%	-1%	0%	5%	3%	2%
2001	Dry	-9%	2%	-2%	0%	0%	0%	0%	128%	0%	0%	-6%	18%
2002	Dry	-8%	0%	0%	0%	7%	-2%	1%	0%	23%	17%	3%	1%
2003	Above Norma	1%	107%	0%	0%	0%	-25%	-4%	0%	19%	0%	0%	0%
Average		2%	3%	0%	0%	11%	0%	6%	0%	5%	11%	0%	0%
Below Norma		1%	0%	0%	0%	1%	-1%	0%	0%	5%	5%	-2%	0%
Above Norma		13%	8%	0%	-1%	0%	-2%	1%	-3%	1%	4%	6%	1%
Dry		0%	4%	-1%	-1%	-1%	1%	28%	5%	22%	35%	-3%	4%
Critical		3%	3%	5%	-2%	76%	0%	-2%	-3%	-8%	1%	0%	-5%

Difference in Energy Use (GWh) At Pumping Plant at SWP Dos Amigos: CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	2	1	-3	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	1	1	1	2	3	1
1924	Critical	1	1	1	2	2	1	0	0	0	0	0	0	1
1925	Dry	0	0	0	-9	0	0	0	0	0	1	2	1	0
1926	Dry	2	2	1	0	-4	8	-2	0	-1	-1	-1	-1	0
1927	Wet	-1	-1	-1	0	0	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	5	0	1	2	-1	-1	-1	-1	-1	0
1929	Critical	0	0	0	0	0	0	0	0	1	1	0	0	0
1930	Dry	0	0	0	0	-5	0	5	3	0	-2	0	1	0
1931	Critical	3	3	5	4	3	1	-1	-2	-2	-2	-2	-1	1
1932	Dry	-1	0	0	0	0	-1	0	0	0	-1	-1	-1	0
1933	Critical	-1	-1	-1	0	2	0	0	0	0	0	-1	-1	0
1934	Critical	-1	-1	-1	0	2	0	0	0	0	0	0	0	0
1935	Below Norma	0	0	0	0	0	-3	1	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	1	1	0	1	1	1	0
1937	Below Norma	1	-1	1	0	0	3	0	-1	-1	-1	-1	-1	0
1938	Wet	-1	-1	-1	0	0	2	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1940	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	4	0	0	0	0	0	0	0	-1	0
1942	Wet	-1	-1	-1	0	2	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	9	0	-2	-2	-2	-2	-2	-2	0
1945	Below Norma	-1	-1	-1	0	2	-3	0	0	0	0	0	0	0
1946	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1947	Dry	0	0	0	0	0	5	2	3	3	3	3	2	2
1948	Below Norma	2	2	2	0	0	0	-1	-1	-1	-1	-1	-1	0
1949	Dry	-1	-1	-1	-2	-1	-1	-1	-2	-3	-3	-3	-2	-2
1950	Below Norma	-2	-2	-1	0	0	0	1	1	1	1	1	1	0
1951	Above Norma	1	1	1	0	-1	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	1	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	1	1	1	2	2	2	1
1956	Wet	2	2	1	0	-2	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	1	1	1	1	1	1	1
1958	Wet	1	1	1	-1	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	1	0	0	1	1	1	0	0
1960	Dry	0	0	0	0	0	0	7	4	-1	-3	-1	0	1
1961	Dry	4	5	8	5	-5	-11	4	2	0	-1	0	0	1
1962	Below Norma	2	2	4	2	2	-15	-5	-3	-3	-4	-3	-2	-2
1963	Wet	-2	-2	-2	0	0	1	1	0	0	-1	-1	0	-1
1964	Dry	0	0	0	12	0	5	7	-1	-8	-1	0	1	1
1965	Wet	2	2	4	1	0	-1	0	1	1	1	1	1	1
1966	Below Norma	1	1	1	0	-8	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	6	-7	0	0	0	-1	-1	-1	-1	0
1968	Below Norma	-1	3	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	6	-8	0	0	0	-1	-1	-1	0	0
1970	Wet	0	0	3	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	2	-1	0
1972	Below Norma	-1	0	0	8	0	2	4	1	-2	-3	-2	-1	1
1973	Above Norma	1	1	3	-6	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	-2	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	3	2	2	2	2	2	1
1977	Critical	1	1	1	0	0	0	-2	-2	-3	-3	-3	-2	-1
1978	Above Norma	-1	-1	-1	27	-1	-1	0	0	0	1	1	1	2
1979	Below Norma	1	1	2	-3	-2	-1	0	0	0	0	0	0	0
1980	Above Norma	0	0	0	0	0	0	-1	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	-1	-2	-2	0	-2	-2	-1
1986	Wet	-2	-2	-2	0	4	0	0	0	2	2	2	1	0
1987	Dry	1	1	1	1	0	-5	-1	-1	-1	-1	-1	-1	-1
1988	Critical	-1	-1	-1	-1	-1	0	-1	-2	-2	-2	-2	-1	-1
1989	Dry	-1	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	1	5	5	2	0	0	0	0	0	0	1
1991	Critical	0	0	0	0	0	0	1	1	2	2	2	1	1
1992	Critical	1	0	0	0	0	-7	2	0	0	-1	-1	-1	-1
1993	Above Norma	-1	-1	-1	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	1	5	3	-13	0	2	3	0
1995	Wet	5	6	8	2	0	-5	0	3	1	1	1	0	2
1996	Wet	0	0	-8	-6	0	0	0	1	0	0	0	0	-1
1997	Wet	0	0	0	0	0	0	1	1	2	2	2	1	1
1998	Wet	1	1	1	0	-1	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	9	0	-11	1	2	0	1	0	-1	0
2001	Dry	-1	-1	-1	0	0	0	0	0	1	1	1	0	0
2002	Dry	0	0	0	0	2	0	2	2	2	1	2	1	1
2003	Above Norma	1	1	2	5	0	5	-2	-1	-2	0	0	0	1
Average		0	0	0	1	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	-1	0	0	0	0	0	0	0	0
Above Norma		0	0	0	4	0	-1	0	0	0	0	0	0	0
Below Norma		0	0	0	1	0	-1	0	0	0	0	0	0	0
Dry		0	0	0	0	0	0	1	0	-1	0	0	0	0
Critical		0	0	1	1	1	0	1	0	-1	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at SWP Dos Amigos: CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	122%	3%	-6%	-1%	-1%	0%	-1%	-1%	-1%
1923	Below Norma	-1%	-1%	-1%	0%	0%	0%	0%	1%	1%	1%	4%	8%
1924	Critical	4%	4%	4%	14%	14%	12%	1%	1%	1%	1%	1%	1%
1925	Dry	1%	1%	1%	-34%	0%	13%	-1%	0%	0%	2%	6%	6%
1926	Dry	12%	20%	18%	9%	-8%	43%	-5%	0%	-2%	-2%	-2%	-2%
1927	Wet	-2%	-2%	-2%	1%	1%	0%	0%	0%	0%	0%	0%	0%
1928	Above Norma	0%	0%	0%	19%	0%	2%	4%	-1%	-1%	-1%	-1%	-1%
1929	Critical	-2%	-2%	-2%	1%	1%	1%	2%	2%	2%	2%	2%	2%
1930	Dry	2%	2%	2%	5%	-36%	0%	23%	8%	-1%	-3%	-1%	2%
1931	Critical	11%	15%	32%	65%	55%	24%	-7%	-7%	-7%	-7%	-7%	-7%
1932	Dry	-8%	-7%	-7%	-3%	0%	-2%	0%	-1%	-1%	-2%	-4%	-4%
1933	Critical	-7%	-11%	-7%	-10%	16%	0%	1%	0%	0%	-1%	-3%	-3%
1934	Critical	-6%	-9%	-9%	-3%	14%	-2%	-1%	-1%	-1%	-1%	-1%	-1%
1935	Below Norma	-1%	-1%	-1%	0%	0%	-6%	4%	0%	0%	0%	0%	0%
1936	Below Norma	0%	1%	0%	-6%	2%	0%	2%	1%	1%	1%	1%	1%
1937	Below Norma	3%	-2%	4%	8%	0%	8%	-1%	-2%	-2%	-2%	-2%	-2%
1938	Wet	-3%	-3%	-3%	1%	0%	4%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	-1%	0%	1%	0%	0%	0%	0%	0%	0%
1940	Above Norma	0%	0%	0%	0%	2%	1%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	14%	0%	0%	0%	0%	0%	0%	0%	-1%
1942	Wet	-3%	-2%	-2%	0%	4%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	1%	1%	1%	1%	1%
1944	Dry	1%	1%	1%	1%	40%	0%	-3%	-4%	-3%	-3%	-3%	-4%
1945	Below Norma	-4%	-4%	-4%	-1%	12%	-8%	0%	0%	0%	0%	0%	0%
1946	Below Norma	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%
1947	Dry	0%	0%	0%	0%	0%	31%	6%	6%	6%	6%	6%	6%
1948	Below Norma	6%	6%	7%	3%	6%	1%	-6%	-2%	-2%	-2%	-2%	-2%
1949	Dry	-2%	-2%	-2%	-11%	-10%	-7%	-6%	-7%	-7%	-7%	-8%	-8%
1950	Below Norma	-10%	-11%	-11%	-8%	-3%	-1%	2%	2%	2%	2%	2%	2%
1951	Above Norma	2%	2%	2%	1%	-3%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Norma	0%	0%	0%	1%	0%	2%	0%	0%	0%	0%	-1%	0%
1955	Dry	0%	0%	0%	0%	0%	3%	0%	2%	2%	3%	6%	6%
1956	Wet	11%	15%	15%	0%	-4%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norma	0%	0%	0%	1%	0%	1%	3%	3%	2%	2%	2%	2%
1958	Wet	2%	2%	2%	-1%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	-1%	0%	0%	2%	1%	1%	1%	1%	1%	1%
1960	Dry	1%	1%	1%	0%	2%	1%	25%	11%	-1%	-5%	-2%	1%
1961	Dry	15%	20%	37%	54%	-27%	-27%	15%	6%	0%	-2%	-1%	1%
1962	Below Norma	8%	11%	21%	30%	29%	-46%	-10%	-5%	-5%	-6%	-6%	-5%
1963	Wet	-7%	-6%	-6%	-2%	0%	1%	-1%	0%	0%	-2%	-2%	-1%
1964	Dry	-1%	-1%	-1%	66%	0%	16%	-23%	-2%	-19%	-2%	0%	2%
1965	Wet	8%	10%	17%	4%	0%	-4%	0%	3%	2%	2%	3%	3%
1966	Below Norma	3%	3%	3%	0%	-19%	0%	0%	0%	0%	0%	0%	1%
1967	Wet	1%	1%	1%	29%	-21%	0%	-1%	0%	-1%	-1%	-1%	-1%
1968	Below Norma	-1%	7%	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%
1969	Wet	1%	1%	1%	28%	-21%	0%	0%	0%	-1%	-1%	-1%	-1%
1970	Wet	-1%	-1%	7%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	4%	-2%
1972	Below Norma	-2%	-1%	-1%	36%	0%	5%	17%	3%	-4%	-6%	-4%	-3%
1973	Above Norma	4%	6%	18%	-14%	0%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	-4%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	1%	7%	5%	5%	5%	5%	5%
1977	Critical	6%	6%	6%	3%	3%	-2%	-22%	-24%	-26%	-26%	-24%	-24%
1978	Above Norma	-23%	-23%	-22%	124%	-3%	-1%	0%	1%	1%	2%	2%	1%
1979	Below Norma	3%	4%	6%	-31%	-5%	-3%	0%	0%	1%	1%	1%	0%
1980	Above Norma	0%	0%	0%	2%	0%	0%	-1%	1%	1%	1%	1%	1%
1981	Dry	1%	1%	1%	0%	0%	0%	1%	1%	1%	1%	1%	1%
1982	Wet	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	-1%	-5%	-3%	0%	-4%	-4%
1986	Wet	-5%	-5%	-5%	-2%	20%	0%	0%	4%	4%	4%	4%	4%
1987	Dry	4%	4%	4%	4%	-1%	-16%	-2%	-2%	-3%	-3%	-3%	-2%
1988	Critical	-2%	-2%	-2%	-4%	-7%	-4%	-7%	-7%	-8%	-8%	-7%	-7%
1989	Dry	-8%	-7%	-6%	-5%	-10%	2%	1%	1%	0%	1%	1%	1%
1990	Critical	1%	1%	2%	214%	176%	51%	1%	1%	1%	1%	1%	1%
1991	Critical	1%	1%	0%	-4%	-8%	-15%	6%	7%	7%	7%	7%	7%
1992	Critical	8%	7%	7%	1%	-3%	-67%	14%	-1%	-1%	-2%	-4%	-4%
1993	Above Norma	-8%	-12%	-10%	-3%	0%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	0%	0%	3%	22%	10%	-32%	1%	5%	10%
1995	Wet	24%	30%	47%	19%	0%	-12%	0%	5%	1%	2%	1%	1%
1996	Wet	1%	1%	-18%	-12%	0%	0%	0%	1%	1%	1%	1%	1%
1997	Wet	1%	1%	1%	0%	-1%	0%	4%	4%	4%	4%	4%	4%
1998	Wet	4%	4%	4%	0%	-3%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norma	0%	0%	0%	49%	0%	-20%	2%	3%	0%	2%	0%	-2%
2001	Dry	-2%	-2%	-2%	0%	0%	0%	2%	2%	2%	2%	2%	2%
2002	Dry	2%	2%	2%	1%	10%	0%	5%	5%	4%	3%	3%	4%
2003	Above Norma	5%	5%	7%	20%	0%	18%	-6%	-1%	-2%	0%	0%	0%
Average		1%	1%	2%	10%	3%	0%	1%	0%	-1%	0%	0%	0%
Wet		1%	2%	2%	3%	-1%	0%	0%	0%	0%	0%	1%	0%
Above Norma		-2%	-2%	0%	27%	0%	0%	0%	0%	0%	0%	0%	0%
Below Norma		0%	1%	2%	2%	2%	-3%	1%	0%	0%	-1%	0%	0%
Dry		1%	2%	3%	5%	-2%	3%	4%	1%	-1%	-1%	0%	0%
Critical		1%	1%	3%	23%	22%	0%	1%	-1%	-5%	-2%	-2%	-2%

Difference in Energy Use (GWh) At Pumping Plant at SWP SL: CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norm	0	0	0	-6	-3	9	0	0	0	0	0	0	0
1923	Below Norm	1	1	1	1	9	0	0	0	0	0	0	-4	1
1924	Critical	5	0	13	-11	0	0	0	0	-5	0	2	-16	-1
1925	Dry	-3	0	4	52	0	0	1	0	0	0	0	7	5
1926	Dry	-4	-4	-3	-3	13	-1	6	0	0	0	0	0	0
1927	Wet	-1	3	2	1	0	0	0	0	0	0	0	0	0
1928	Above Norm	0	0	0	-13	1	-2	0	0	0	0	0	2	-1
1929	Critical	5	-2	7	-2	-3	0	0	0	0	0	-3	0	0
1930	Dry	0	-1	-1	-3	1	0	0	0	0	0	0	0	0
1931	Critical	3	-4	6	-10	3	-4	0	0	0	0	4	0	0
1932	Dry	1	2	5	4	-4	0	0	0	0	0	2	1	1
1933	Critical	2	2	-6	2	-7	0	0	0	0	0	0	0	-1
1934	Critical	1	1	3	1	-5	0	0	0	0	0	0	0	0
1935	Below Norm	0	1	1	1	0	8	-1	0	0	0	0	0	1
1936	Below Norm	0	0	0	1	0	0	0	0	0	0	0	0	0
1937	Below Norm	0	0	0	8	1	-8	0	0	0	0	0	0	0
1938	Wet	3	3	4	1	1	-11	0	0	0	0	0	0	0
1939	Dry	0	-1	0	0	0	0	0	0	0	0	0	-3	0
1940	Above Norm	1	0	0	0	-2	-1	0	0	0	0	0	0	0
1941	Wet	1	-2	0	-9	0	0	0	0	0	0	0	1	-1
1942	Wet	2	1	1	0	-4	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	-5	0	0	0	0	0	0	0	0	0
1944	Dry	1	0	1	0	-22	0	0	0	0	0	0	3	-1
1945	Below Norm	0	2	3	1	-9	0	0	0	0	0	0	0	0
1946	Below Norm	2	0	0	0	0	-8	0	0	0	0	0	0	0
1947	Dry	8	-4	1	-5	2	3	0	0	0	0	0	-1	0
1948	Below Norm	12	-5	0	2	0	-1	4	0	0	0	0	1	1
1949	Dry	-6	0	0	4	0	1	0	0	0	-7	0	4	0
1950	Below Norm	0	-4	-1	1	1	-1	0	0	0	0	0	-3	-1
1951	Above Norm	4	-1	0	0	3	0	0	0	0	0	0	1	1
1952	Wet	3	5	1	1	1	-11	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norm	0	0	0	-1	0	-3	0	0	0	0	0	0	0
1955	Dry	3	-1	0	0	0	12	0	0	0	0	0	1	1
1956	Wet	-1	-3	-5	-3	28	0	0	0	0	0	0	0	1
1957	Above Norm	0	0	0	-1	0	-1	0	0	0	0	-4	7	0
1958	Wet	-1	-1	-1	1	0	0	0	0	0	0	0	0	0
1959	Below Norm	0	0	1	0	0	0	0	0	0	0	1	0	0
1960	Dry	1	16	-4	1	10	5	0	0	0	0	0	0	2
1961	Dry	0	-9	-17	-11	16	24	0	0	0	0	0	7	1
1962	Below Norm	-6	2	-3	-3	-3	37	0	0	0	0	0	2	2
1963	Wet	5	7	5	3	2	-8	0	0	0	0	0	0	1
1964	Dry	0	1	0	-30	0	0	0	0	0	2	0	4	-2
1965	Wet	0	-6	-9	-5	11	0	0	0	0	0	0	-1	-1
1966	Below Norm	-11	-2	-4	-2	10	0	0	0	0	0	0	0	-1
1967	Wet	-5	-1	-1	-16	21	6	0	0	0	0	0	1	0
1968	Below Norm	2	-8	0	0	0	0	0	0	0	0	-3	0	-1
1969	Wet	3	-1	-1	-14	20	0	0	0	0	0	0	1	1
1970	Wet	1	2	-9	0	0	0	0	0	0	0	0	0	0
1971	Wet	3	0	0	0	0	0	0	0	0	0	0	1	0
1972	Below Norm	1	0	1	-19	0	-6	0	0	0	0	5	1	-1
1973	Above Norm	-2	-2	-6	15	0	0	0	0	0	0	0	0	0
1974	Wet	-2	0	0	0	5	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	-4	0	0	0	0	0	4	0
1977	Critical	-2	2	7	-1	0	0	0	0	0	0	6	6	2
1978	Above Norm	31	7	13	-67	0	0	0	-3	0	0	0	-2	-2
1979	Below Norm	0	-4	0	5	3	3	0	0	0	0	0	0	1
1980	Above Norm	0	-4	-1	-4	2	1	0	0	0	0	0	0	-1
1981	Dry	-1	0	-1	-1	0	6	0	0	0	0	0	-1	0
1982	Wet	0	0	0	0	0	1	0	0	0	0	0	0	0
1983	Wet	0	0	2	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	-2	-1	0	-1	0	0	0	0	0	0	0	2	0
1986	Wet	-1	2	3	1	-12	0	0	-3	0	0	0	-10	-2
1987	Dry	3	2	-6	-50	-5	8	0	0	0	0	0	7	-3
1988	Critical	0	0	2	3	0	0	0	0	0	0	-4	0	0
1989	Dry	1	0	3	-1	0	3	0	0	0	0	0	3	1
1990	Critical	0	0	0	-9	-10	-4	0	0	0	0	0	0	-2
1991	Critical	-1	2	-1	0	1	1	0	0	0	0	0	0	0
1992	Critical	-2	0	-1	-1	-3	22	0	0	0	0	0	0	1
1993	Above Norm	-1	0	1	1	0	0	0	0	0	0	0	-1	0
1994	Critical	1	0	-1	0	-1	0	0	0	0	0	1	-2	0
1995	Wet	0	-5	-20	-6	-1	12	1	0	0	0	0	-2	-2
1996	Wet	-3	0	22	38	0	0	0	0	0	0	0	0	5
1997	Wet	0	0	0	0	1	0	0	0	0	0	0	-1	0
1998	Wet	5	-1	-2	0	3	0	0	0	0	0	0	0	1
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norm	0	0	0	-22	-1	27	0	0	0	0	0	4	1
2001	Dry	-4	2	-1	0	0	0	0	0	0	0	0	9	1
2002	Dry	0	0	-1	-1	0	-1	0	0	0	0	0	-2	0
2003	Above Norm	0	8	5	-8	0	-38	0	0	0	0	0	0	-3
Average		1	0	0	-2	1	1	0	0	0	0	0	0	0
Wet		1	0	0	0	3	0	0	0	0	0	0	0	0
Above Norm		3	1	1	-9	0	-1	0	0	0	0	0	1	0
Below Norm		0	-1	0	0	1	2	0	0	0	0	0	0	0
Dry		0	0	-1	-2	1	3	0	0	0	0	0	2	0
Critical		1	0	2	-2	-2	1	0	0	0	0	0	-1	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at SWP SL: CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	-	-	0%	-4%	-3%	76%	-	-	-	-	-	-
1923	Below Norma	-	2%	2%	1%	-	-	-	-	-	-	-	-26%
1924	Critical	45%	-	547%	-34%	-	-	-	-	-100%	-	19%	-73%
1925	Dry	-10%	1%	5%	145%	4%	-	25%	0%	-	-	-	102%
1926	Dry	-41%	-32%	-11%	-2%	73%	-100%	300%	-	-	-	-	-
1927	Wet	-7%	8%	4%	1%	0%	0%	-	-	-	-	-	0%
1928	Above Norma	3%	0%	1%	-16%	3%	-4%	-	-	-	-	-	135%
1929	Critical	-	-10%	35%	-4%	-9%	0%	-	-	-	-	-46%	-
1930	Dry	-47%	-6%	-1%	-2%	1%	-1%	-	-	-	-	-	-
1931	Critical	-	-83%	51%	-16%	-	-39%	-	-	-	-	47%	-
1932	Dry	-	12%	5%	3%	-38%	0%	-	-	-	-	-	-
1933	Critical	15%	29%	-10%	1%	-13%	0%	-	-	-	-	-	-
1934	Critical	34%	17%	3%	1%	-6%	0%	-	-	-	-	-	-
1935	Below Norma	2%	2%	6%	1%	1%	48%	-66%	-	-	-	-	-
1936	Below Norma	-	-	0%	1%	0%	0%	-	-	-	-	-	-
1937	Below Norma	-	-	1%	6%	1%	-15%	0%	-	-	-	-	-
1938	Wet	75%	7%	6%	1%	1%	-54%	0%	0%	-	-	-	1%
1939	Dry	0%	-4%	0%	-	-	-	-	-	-	-	-	-27%
1940	Above Norma	17%	-	-	0%	-2%	-3%	-	-	-	-	-	-
1941	Wet	13%	-51%	0%	-11%	-1%	-1%	-	-	-	-	-	8%
1942	Wet	7%	3%	3%	0%	0%	-8%	0%	-	-	-	-	0%
1943	Wet	0%	1%	1%	-23%	0%	0%	0%	-	-	-	-	-10%
1944	Dry	5%	-11%	7%	0%	-26%	-	-	-	-	-	-	31%
1945	Below Norma	-	5%	6%	1%	-8%	-	-	-	-	-	-	4%
1946	Below Norma	318%	0%	0%	0%	-	-87%	-	-	-	-	-	3%
1947	Dry	46%	-24%	2%	-13%	4%	5%	-	-	-	-	-	-17%
1948	Below Norma	251%	-55%	-	2%	-	-1%	16%	-	-	-	-	6%
1949	Dry	-100%	-	-1%	13%	0%	1%	-	-	-	-100%	-	284%
1950	Below Norma	-	-27%	-16%	1%	0%	-3%	-	-	-	-	-	-48%
1951	Above Norma	30%	-1%	-1%	0%	4%	0%	-	-	-	-	-	10%
1952	Wet	133%	18%	1%	2%	2%	-90%	0%	0%	-	-	-	0%
1953	Wet	0%	0%	0%	-	-	0%	-	-	-	-	-	0%
1954	Above Norma	-5%	0%	-1%	-1%	0%	-8%	-	-	-	-	-	-
1955	Dry	116%	-2%	1%	0%	-	-	-	-	-	-	-	107%
1956	Wet	-27%	-12%	-5%	-3%	338%	0%	-	-	-	-	-	0%
1957	Above Norma	0%	-	0%	-1%	-1%	-2%	-	-	-	-	-77%	414%
1958	Wet	-2%	-2%	-2%	2%	0%	0%	0%	-	-	-	-	0%
1959	Below Norma	0%	0%	3%	-	0%	-	-	-	-	-	19%	-
1960	Dry	15%	-	-14%	3%	11%	9%	-	-	-	-	-	3%
1961	Dry	-	-29%	-24%	-18%	19%	3739%	-	-	-	-	-	-
1962	Below Norma	-84%	29%	-6%	-15%	-3%	131%	-	-	-	-	-	31%
1963	Wet	21%	26%	13%	5%	4%	-28%	-	-	-	-	-	1%
1964	Dry	1%	4%	2%	-32%	-	-	-	-	-	24%	5%	46%
1965	Wet	18%	-11%	-11%	-5%	51%	0%	0%	-	-	-	-	-4%
1966	Below Norma	-87%	-4%	-5%	-3%	112%	-1%	-	-	-	-	-	-
1967	Wet	-100%	-3%	-1%	-17%	48%	1071%	0%	0%	-	-	-	8%
1968	Below Norma	4%	-71%	0%	-	0%	0%	-	-	-	-	-100%	-
1969	Wet	42%	-6%	-1%	-13%	36%	0%	0%	0%	-	-	-	7%
1970	Wet	3%	4%	-55%	-	0%	0%	-	-	-	-	-	-
1971	Wet	19%	0%	0%	0%	-	0%	-	-	-	-	-	11%
1972	Below Norma	6%	-	1%	-24%	-19%	-13%	-	-	-	-	-	32%
1973	Above Norma	-17%	-3%	-7%	43%	1%	0%	-	-	-	-	-	-
1974	Wet	-27%	-1%	-1%	0%	14%	0%	-	-	-	-	-	0%
1975	Wet	0%	0%	0%	-1%	0%	0%	-	-	-	-	-	1%
1976	Critical	0%	0%	0%	0%	-	-100%	-	-	-	-	-	84%
1977	Critical	-53%	342%	26%	-4%	-	-	-	-	-	-	206%	54%
1978	Above Norma	380%	38%	13%	-74%	3%	2%	0%	-100%	-	-	-	-100%
1979	Below Norma	-	-23%	-	4%	4%	5%	-	-	-	-	-	-
1980	Above Norma	-9%	-10%	-3%	-4%	2%	208%	0%	-	-	-	-	-3%
1981	Dry	-18%	-	-1%	-1%	1%	950%	-	-	-	-	-	-6%
1982	Wet	22%	1%	-1%	0%	1%	164%	0%	-	-	-	-	0%
1983	Wet	0%	0%	28%	-	0%	0%	0%	0%	0%	0%	-	0%
1984	Wet	0%	0%	0%	-	0%	0%	-	-	-	-	-	0%
1985	Dry	-13%	-2%	0%	-2%	-4%	-	-	-	-	0%	0%	16%
1986	Wet	-19%	16%	6%	1%	-11%	-1%	0%	-100%	-	-	-	-32%
1987	Dry	265%	225%	-41%	-74%	-8%	13%	-	-	-	-	-	144%
1988	Critical	-	-	3%	3%	-	-	-	-	-	-	-67%	-
1989	Dry	-	0%	9%	-1%	7%	3%	-	-	-	-	-	-
1990	Critical	-4%	-	-	-8%	-35%	-14%	-	-	-	-	1%	-20%
1991	Critical	-14%	42%	-14%	0%	3%	1%	-	-	-	-	-	-
1992	Critical	-14%	-	-4%	-2%	-2%	27%	-	-	-	-	-	-
1993	Above Norma	-100%	-8%	1%	0%	1%	-1%	-	-	-	-	-	-9%
1994	Critical	11%	-	-8%	-1%	-1%	-	-	-	-	0%	16%	-15%
1995	Wet	-	-55%	-81%	-5%	-2%	30%	59%	-	-	-	-	-12%
1996	Wet	-7%	-	67%	-	0%	0%	0%	-	-	-	-	-1%
1997	Wet	-	-1%	0%	0%	2%	0%	-	-	-	-	-	-12%
1998	Wet	371%	-2%	-3%	1%	6%	0%	0%	-	-	-	-	0%
1999	Wet	1%	0%	-	-	0%	0%	-	-	-	-	-	-1%
2000	Above Norma	-	-1%	-2%	-23%	-2%	171%	-	-	-	-	-	4498%
2001	Dry	-70%	9%	-3%	0%	0%	-1%	-	-	-	-	-	42596%
2002	Dry	-	-1%	-1%	-1%	-	-3%	-	-	-	-	-	-22%
2003	Above Norma	-	-	9%	-12%	-	-88%	-	-	-	-1%	0%	3%
Average		22%	4%	7%	-3%	8%	87%	17%	-25%	-50%	-13%	2%	831%
Wet		21%	-2%	-1%	-3%	18%	42%	2%	-4%	0%	0%	0%	-1%
Above Norma		25%	1%	1%	-8%	1%	29%	0%	-8%	0%	0%	-6%	412%
Below Norma		29%	-10%	-1%	-2%	6%	5%	-4%	0%	0%	0%	-6%	0%
Dry		8%	8%	-4%	1%	2%	256%	18%	0%	0%	-4%	0%	2403%
Critical		2%	28%	52%	-5%	-5%	-10%	0%	0%	-8%	0%	15%	2%

Difference in Energy Use (GWh) At Pumping Plant at Teerink: CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	4	1	0	-1	-1	0	-1	-1	0	0
1923	Below Norma	-1	-1	-1	0	0	0	0	0	0	0	3	6	1
1924	Critical	2	2	2	5	4	2	0	0	0	0	0	0	2
1925	Dry	0	0	0	-9	0	1	0	-1	-1	0	2	2	0
1926	Dry	3	4	3	1	-4	14	-1	0	-1	-1	-1	-1	1
1927	Wet	-1	-1	-1	0	0	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	8	0	1	4	-1	-1	-1	-1	-1	1
1929	Critical	-1	-1	-1	0	0	0	1	1	1	1	1	1	0
1930	Dry	0	0	0	0	-2	0	6	1	-1	0	-2	-2	0
1931	Critical	3	3	8	8	7	3	-2	-3	-3	-3	-3	-2	1
1932	Dry	-1	-1	-1	0	0	-1	0	0	0	0	-1	-1	-1
1933	Critical	-2	-2	-1	-1	2	-1	0	1	1	0	-1	-1	0
1934	Critical	-2	-3	-2	0	2	0	0	0	0	0	0	0	-1
1935	Below Norma	0	0	0	0	0	-3	3	0	0	0	0	0	0
1936	Below Norma	0	1	0	0	0	0	1	1	0	1	1	1	0
1937	Below Norma	2	-2	2	0	0	11	-2	-2	-2	-2	-2	-2	0
1938	Wet	-2	-2	-2	0	0	0	0	-1	0	0	0	0	-1
1939	Dry	0	0	0	0	0	1	0	0	0	0	0	0	0
1940	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	6	0	0	0	0	0	0	0	-1	0
1942	Wet	-3	-1	-1	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	1	1	1	1	1	1	0
1944	Dry	1	0	0	0	16	0	-3	-3	-3	-3	-3	-3	0
1945	Below Norma	-3	-3	-3	0	3	-6	0	0	0	0	0	0	-1
1946	Below Norma	0	0	0	0	0	0	0	0	1	0	0	0	0
1947	Dry	0	0	0	0	0	5	3	4	4	4	4	3	2
1948	Below Norma	3	3	3	1	1	0	-2	-1	-1	-1	-1	-1	0
1949	Dry	-1	-1	-1	-3	-3	-1	-2	-3	-3	-3	-4	-4	-3
1950	Below Norma	-3	-4	-3	-1	0	2	1	1	1	1	1	1	0
1951	Above Norma	1	1	1	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	-1	-1	0	0
1955	Dry	0	0	0	0	0	1	-1	0	0	1	3	3	0
1956	Wet	3	4	3	0	0	0	0	0	0	0	0	0	1
1957	Above Norma	0	0	0	0	0	0	2	2	1	1	1	1	1
1958	Wet	1	1	1	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	-1	0	0	1	1	1	1	1	1	1	0
1960	Dry	1	1	1	0	0	0	9	1	-2	-1	-4	-3	0
1961	Dry	5	5	12	11	-2	-4	4	1	-1	0	-2	-1	2
1962	Below Norma	3	3	6	5	5	-29	-8	-3	-3	-3	-3	-3	-3
1963	Wet	-4	-4	-3	-1	0	0	0	-1	0	-2	-2	-1	-1
1964	Dry	-1	-1	-1	22	0	7	12	-5	-18	0	-1	-1	1
1965	Wet	3	3	5	2	0	1	1	1	1	1	1	1	2
1966	Below Norma	1	1	1	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	12	0	0	-1	-1	-1	-1	-1	-1	1
1968	Below Norma	-1	-1	0	0	0	0	1	1	1	1	1	1	0
1969	Wet	1	0	0	10	0	0	-1	0	-1	-1	-1	-1	1
1970	Wet	-1	-1	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	5	-2	0
1972	Below Norma	-2	-1	0	14	0	3	6	-2	-3	-3	-4	-4	0
1973	Above Norma	0	0	3	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	5	3	3	3	3	2	1
1977	Critical	2	2	2	1	1	0	-3	-4	-5	-4	-3	-3	-1
1978	Above Norma	-1	-1	-1	28	-8	0	0	1	0	1	1	1	2
1979	Below Norma	2	3	4	-7	-4	-3	0	0	0	0	0	0	0
1980	Above Norma	0	0	0	1	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	1	1	1	1	1	1	0
1982	Wet	1	1	1	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	-1	-3	-2	2	-2	-3	-1
1986	Wet	-3	-3	-3	-1	3	0	2	2	2	2	2	2	0
1987	Dry	2	2	2	2	-1	-9	-1	-1	-1	-1	-1	-1	-1
1988	Critical	-1	-1	-1	-1	-2	0	-2	-3	-3	-3	-2	-2	-2
1989	Dry	-1	-1	0	0	-1	0	0	0	0	0	0	1	0
1990	Critical	1	1	1	11	10	4	0	0	0	0	0	0	2
1991	Critical	0	0	0	0	0	0	2	2	3	2	2	2	1
1992	Critical	1	1	0	0	0	-7	5	0	0	0	-2	-2	0
1993	Above Norma	-2	-3	-2	0	0	0	0	0	0	0	0	0	-1
1994	Critical	0	0	0	0	0	1	6	1	-29	4	2	3	-1
1995	Wet	8	8	13	4	0	-1	2	5	1	3	2	1	4
1996	Wet	1	0	-11	0	0	0	0	1	0	0	0	0	-1
1997	Wet	0	0	0	0	0	0	2	2	2	2	2	2	1
1998	Wet	2	2	2	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	16	0	0	3	4	1	2	1	-1	2
2001	Dry	-1	-1	-1	0	0	0	1	1	1	1	1	1	0
2002	Dry	1	1	0	0	4	0	2	2	2	2	1	1	1
2003	Above Norma	2	2	3	9	0	9	-4	-1	-3	1	0	0	2
Average		0	0	1	2	0	0	1	0	-1	0	0	0	0
Wet		0	0	0	1	0	0	0	0	0	0	0	0	0
Above Norma		0	0	0	6	-1	1	0	0	0	0	0	0	1
Below Norma		0	0	1	1	0	-2	0	0	0	0	0	0	0
Dry		0	0	1	1	0	1	2	0	-1	0	-1	0	0
Critical		0	0	1	2	2	0	1	0	-3	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at Teerink: CP3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	195%	3%	0%	-1%	-1%	-1%	-1%	-1%	-1%
1923	Below Norma	-1%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%	4%	11%
1924	Critical	4%	4%	4%	0%	14%	12%	1%	1%	2%	1%	1%	1%
1925	Dry	2%	2%	1%	-33%	0%	20%	0%	-2%	-2%	0%	5%	6%
1926	Dry	14%	23%	21%	10%	-8%	47%	-2%	0%	-2%	-2%	-2%	-2%
1927	Wet	-2%	-2%	-2%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1928	Above Norma	0%	0%	0%	16%	0%	1%	6%	-2%	-2%	-2%	-2%	-2%
1929	Critical	-2%	-2%	-2%	1%	1%	1%	2%	2%	2%	2%	2%	2%
1930	Dry	2%	2%	2%	3%	-13%	0%	15%	2%	-2%	0%	-3%	-3%
1931	Critical	8%	8%	27%	72%	69%	32%	-7%	-7%	-7%	-7%	-7%	-7%
1932	Dry	-9%	-8%	-7%	-5%	-1%	-4%	1%	1%	1%	0%	-3%	-4%
1933	Critical	-8%	-13%	-7%	-12%	12%	-2%	2%	1%	2%	0%	-3%	-3%
1934	Critical	-7%	-10%	-10%	-4%	10%	-3%	-1%	-1%	-1%	-1%	-1%	-1%
1935	Below Norma	-1%	-1%	-1%	0%	0%	0%	5%	0%	0%	0%	0%	0%
1936	Below Norma	0%	1%	0%	-5%	1%	0%	2%	1%	0%	1%	1%	1%
1937	Below Norma	3%	-3%	6%	7%	0%	20%	-3%	-3%	-3%	-3%	-3%	-3%
1938	Wet	-3%	-4%	-4%	1%	0%	0%	0%	-1%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1940	Above Norma	0%	0%	0%	0%	2%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	11%	0%	0%	0%	0%	0%	0%	0%	-1%
1942	Wet	-4%	-2%	-2%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%
1944	Dry	1%	1%	1%	1%	38%	1%	-4%	-4%	-4%	-4%	-4%	-4%
1945	Below Norma	-5%	-5%	-5%	-1%	8%	-10%	0%	0%	0%	0%	0%	0%
1946	Below Norma	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%
1947	Dry	0%	0%	0%	0%	0%	19%	6%	6%	6%	6%	6%	6%
1948	Below Norma	7%	7%	7%	4%	6%	2%	-5%	-2%	-2%	-2%	-2%	-2%
1949	Dry	-2%	-2%	-2%	-11%	-11%	-8%	-6%	-6%	-6%	-7%	-8%	-8%
1950	Below Norma	-10%	-11%	-12%	-8%	-4%	6%	2%	1%	2%	2%	2%	1%
1951	Above Norma	2%	2%	2%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Norma	0%	0%	0%	1%	0%	0%	0%	0%	0%	-1%	-1%	0%
1955	Dry	0%	0%	0%	0%	0%	3%	-2%	0%	0%	2%	6%	6%
1956	Wet	12%	17%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norma	0%	0%	0%	1%	0%	0%	3%	4%	2%	2%	2%	2%
1958	Wet	2%	2%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	-1%	0%	0%	2%	1%	1%	1%	1%	1%	1%
1960	Dry	1%	1%	1%	0%	1%	1%	18%	3%	-3%	-1%	-6%	-6%
1961	Dry	10%	13%	33%	58%	-7%	-9%	11%	2%	-1%	0%	-3%	-2%
1962	Below Norma	6%	7%	18%	33%	35%	-52%	-12%	-4%	-4%	-4%	-4%	-4%
1963	Wet	-6%	-6%	-5%	-2%	0%	0%	-1%	0%	-3%	-2%	-2%	-1%
1964	Dry	-1%	-1%	-1%	58%	0%	12%	-25%	-10%	-36%	1%	-2%	-1%
1965	Wet	6%	7%	16%	4%	0%	2%	3%	3%	3%	3%	3%	3%
1966	Below Norma	3%	3%	3%	0%	0%	0%	1%	1%	1%	1%	1%	1%
1967	Wet	1%	1%	1%	27%	0%	0%	-1%	-1%	-2%	-2%	-2%	-2%
1968	Below Norma	-2%	-2%	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%
1969	Wet	1%	1%	1%	26%	0%	0%	-1%	0%	-1%	-1%	-1%	-1%
1970	Wet	-1%	-2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	7%	-2%
1972	Below Norma	-3%	-2%	-1%	32%	0%	5%	14%	-4%	-6%	-5%	-8%	-8%
1973	Above Norma	0%	1%	14%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	8%	5%	5%	5%	5%	5%
1977	Critical	6%	6%	6%	3%	4%	0%	-22%	-25%	-26%	-26%	-25%	-26%
1978	Above Norma	-26%	-28%	-26%	123%	-15%	0%	0%	1%	0%	2%	2%	1%
1979	Below Norma	4%	5%	7%	-33%	-6%	-5%	0%	0%	0%	0%	0%	0%
1980	Above Norma	0%	0%	0%	1%	0%	0%	0%	1%	1%	1%	1%	1%
1981	Dry	1%	1%	1%	0%	0%	0%	1%	1%	1%	1%	1%	1%
1982	Wet	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	-1%	-5%	-3%	3%	-4%	-5%
1986	Wet	-5%	-5%	-5%	-2%	8%	0%	3%	4%	4%	4%	4%	4%
1987	Dry	4%	4%	4%	4%	-1%	-15%	-2%	-2%	-2%	-2%	-2%	-2%
1988	Critical	-2%	-2%	-2%	-4%	-7%	-3%	-7%	-7%	-7%	-7%	-7%	-7%
1989	Dry	-9%	-7%	-7%	-7%	-13%	0%	0%	0%	0%	1%	1%	1%
1990	Critical	1%	1%	2%	249%	227%	66%	1%	1%	1%	1%	1%	1%
1991	Critical	1%	1%	1%	-1%	-4%	-13%	6%	7%	7%	7%	7%	7%
1992	Critical	9%	7%	7%	4%	1%	-61%	18%	1%	1%	0%	-4%	-4%
1993	Above Norma	-9%	-13%	-12%	-5%	0%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	0%	0%	2%	15%	2%	-61%	9%	5%	6%
1995	Wet	23%	25%	48%	20%	0%	-2%	3%	8%	2%	4%	2%	1%
1996	Wet	1%	1%	-16%	0%	0%	0%	0%	2%	1%	1%	1%	1%
1997	Wet	1%	1%	1%	0%	0%	0%	4%	4%	4%	4%	4%	4%
1998	Wet	5%	5%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norma	0%	0%	0%	45%	0%	0%	4%	5%	1%	3%	1%	-2%
2001	Dry	-2%	-2%	-2%	0%	0%	0%	2%	2%	2%	2%	2%	2%
2002	Dry	2%	2%	2%	1%	10%	0%	5%	4%	3%	3%	3%	3%
2003	Above Norma	5%	5%	6%	19%	0%	17%	-6%	-1%	-4%	2%	1%	0%
Average		0%	0%	2%	11%	4%	1%	1%	0%	-2%	0%	0%	0%
Wet		1%	2%	2%	3%	0%	0%	0%	1%	0%	0%	1%	0%
Above Norma		-2%	-3%	-1%	33%	-1%	1%	1%	1%	0%	1%	0%	0%
Below Norma		0%	0%	1%	2%	3%	-3%	0%	-1%	-1%	-1%	0%	0%
Dry		1%	1%	3%	4%	0%	4%	4%	-1%	-3%	0%	-1%	-1%
Critical		1%	0%	2%	27%	27%	3%	1%	-2%	-7%	-1%	-2%	-2%

Energy generated (GWh) at CVP San Luis: CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19.97	50.94	48.91	15.44	0.00	135
1923	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	7.74	41.33	46.32	30.93	16.42	0.00	143
1924	Critical	0.00	0.00	0.00	0.00	16.05	3.74	1.92	7.87	19.70	9.39	17.40	4.87	81
1925	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.66	58.85	41.06	34.98	0.00	161
1926	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	36.25	52.07	31.14	34.71	9.77	164
1927	Wet	0.00	0.00	0.00	0.00	0.00	0.00	8.18	43.75	54.14	41.40	11.15	0.00	159
1928	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	1.35	35.94	52.24	49.96	10.78	0.00	150
1929	Critical	0.00	0.00	0.00	0.00	0.00	8.31	17.03	23.20	35.07	21.94	25.18	0.00	131
1930	Dry	0.00	0.00	0.00	0.00	0.00	0.00	9.95	24.53	51.08	43.19	26.87	0.00	156
1931	Critical	0.00	0.00	0.00	0.00	2.71	0.00	7.46	9.54	14.65	8.74	19.44	0.00	63
1932	Dry	0.00	0.00	0.00	0.00	0.00	11.88	8.38	25.13	25.22	18.90	6.00	0.00	96
1933	Critical	0.00	0.00	0.00	0.00	0.00	9.61	9.60	17.92	29.07	10.57	14.38	0.00	91
1934	Critical	0.00	0.00	0.00	0.00	0.00	8.08	12.19	22.83	32.37	16.28	25.41	5.46	123
1935	Below Normal	5.38	0.00	0.00	0.00	0.00	0.00	0.00	43.92	31.70	36.16	20.28	0.00	137
1936	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19.29	45.61	39.86	25.78	0.00	131
1937	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	55.43	47.25	19.24	0.00	122
1938	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	46.32	53.18	32.28	0.00	132
1939	Dry	0.00	0.00	0.00	0.00	0.00	0.00	15.35	35.25	40.25	24.67	21.92	0.00	137
1940	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	4.86	31.52	45.67	39.63	5.76	0.00	127
1941	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.42	49.67	46.91	12.45	0.00	123
1942	Wet	0.00	0.00	0.00	0.00	0.00	0.00	10.84	35.01	45.20	44.72	13.60	0.00	149
1943	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	31.93	69.01	42.32	18.17	0.00	161
1944	Dry	0.00	0.00	0.00	0.00	0.00	0.00	13.37	27.29	37.84	38.84	25.76	0.00	143
1945	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	9.84	37.41	50.29	25.36	16.64	0.00	140
1946	Below Normal	0.00	0.00	0.00	0.00	1.94	0.00	12.03	26.77	31.11	33.83	5.87	0.00	112
1947	Dry	0.00	0.00	0.00	0.00	0.00	0.00	16.04	48.30	31.64	31.99	20.31	0.00	148
1948	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	37.41	41.27	28.97	15.87	0.00	124
1949	Dry	0.00	0.00	0.00	0.00	0.00	0.00	20.88	37.99	41.25	28.45	17.02	0.00	146
1950	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	39.27	32.18	39.67	1.56	0.00	113
1951	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	8.82	50.45	55.29	50.73	6.21	0.00	171
1952	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	46.20	64.58	33.97	0.00	145
1953	Wet	0.00	0.00	0.00	0.00	0.00	16.26	5.58	36.28	53.34	31.70	11.06	0.00	154
1954	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	8.16	43.31	51.99	41.30	8.23	0.00	153
1955	Dry	0.00	0.00	0.00	0.00	0.00	0.00	14.89	26.27	40.03	20.48	35.40	0.00	137
1956	Wet	0.00	0.00	0.00	0.00	0.00	0.00	1.11	21.80	41.27	40.31	11.26	0.00	116
1957	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	5.49	36.54	50.94	29.43	13.60	0.00	136
1958	Wet	0.00	0.00	0.00	0.00	0.00	0.00	4.71	45.80	70.48	31.44	0.00	0.00	152
1959	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	19.41	36.03	43.69	31.75	17.23	0.00	148
1960	Dry	0.00	0.00	0.00	0.00	0.00	0.00	9.16	18.88	21.94	23.87	13.72	0.00	88
1961	Dry	0.00	0.00	0.00	0.00	0.00	0.00	23.23	43.49	41.11	27.82	5.57	0.00	141
1962	Below Normal	6.58	0.00	0.00	0.00	0.00	0.00	12.33	43.23	31.61	23.04	5.70	0.00	123
1963	Wet	0.00	0.00	0.00	0.00	0.00	0.00	1.30	40.16	57.28	42.81	11.60	0.00	153
1964	Dry	0.00	0.00	0.00	0.00	0.00	0.00	11.18	21.97	22.95	28.87	19.59	0.00	105
1965	Wet	0.00	0.00	0.00	0.00	0.00	0.00	4.30	45.15	55.96	32.23	11.19	0.00	149
1966	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	14.14	54.51	52.98	35.78	9.15	0.00	167
1967	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.97	45.93	28.76	34.96	0.00	115
1968	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	15.98	38.08	48.15	26.21	15.88	0.00	144
1969	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	46.34	28.79	33.91	0.00	109
1970	Wet	0.00	0.00	0.00	0.00	0.00	0.00	5.79	48.69	54.15	40.23	7.18	0.00	156
1971	Wet	0.00	0.00	0.00	0.00	0.00	0.00	6.47	35.95	38.76	34.71	6.57	0.00	122
1972	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	21.45	55.12	49.80	40.62	7.34	0.00	174
1973	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	10.29	40.17	51.84	30.78	17.34	0.00	150
1974	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	39.03	59.46	41.06	17.52	0.00	157
1975	Wet	0.00	0.00	0.00	0.00	0.00	0.00	8.19	44.57	57.28	35.94	8.33	0.00	154
1976	Critical	0.00	0.00	0.00	0.00	0.00	0.00	11.68	33.08	43.56	24.38	30.80	5.60	149
1977	Critical	0.00	0.00	0.00	0.00	0.62	3.67	5.06	13.41	18.34	0.00	4.90	0.00	46
1978	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	8.71	49.21	49.21	52.54	20.15	0.00	131
1979	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	12.89	23.98	53.61	33.56	17.79	0.00	142
1980	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.80	55.97	43.94	19.51	0.00	150
1981	Dry	0.00	0.00	0.00	0.00	0.00	0.00	15.74	41.77	53.65	26.64	12.29	0.00	150
1982	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	46.72	64.96	30.17	0.00	142
1983	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	46.45	29.61	20.10	0.00	96
1984	Wet	0.00	0.00	0.00	0.00	0.00	0.00	13.28	58.37	51.65	38.22	7.18	0.00	169
1985	Dry	0.00	0.00	0.00	0.00	0.00	0.00	17.07	31.78	39.55	20.34	5.96	0.00	115
1986	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19.53	92.81	6.82	0.00	119
1987	Dry	0.00	0.00	0.00	0.00	0.00	0.00	18.07	30.80	39.51	20.32	35.29	0.00	144
1988	Critical	0.00	0.00	0.00	0.00	0.00	13.26	7.77	20.58	24.09	15.74	25.97	0.00	107
1989	Dry	0.00	0.00	0.00	0.00	2.71	0.00	2.39	24.74	24.69	24.01	16.21	0.00	95
1990	Critical	0.00	0.00	0.00	0.00	0.00	0.00	12.17	15.04	27.90	8.67	23.14	1.74	89
1991	Critical	0.00	0.00	0.00	0.00	0.00	0.00	13.24	16.68	34.65	12.82	15.66	0.00	93
1992	Critical	0.00	0.00	0.00	0.00	0.00	0.00	10.08	36.68	49.02	35.05	33.19	0.00	164
1993	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	39.89	40.29	34.36	17.25	0.00	132
1994	Critical	0.00	0.00	0.00	0.00	0.00	0.00	20.36	33.51	47.92	22.62	6.04	0.00	130
1995	Wet	1.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	45.90	32.99	34.08	0.00	114
1996	Wet	0.00	0.00	0.00	0.00	0.00	0.00	2.82	27.93	72.97	40.90	16.23	0.00	161
1997	Wet	0.00	0.00	0.00	0.00	0.00	0.00	13.85	35.51	54.59	34.02	12.33	0.00	150
1998	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	45.95	32.79	34.94	0.00	114
1999	Wet	0.00	0.00	0.00	0.00	0.00	0.00	8.22	51.95	55.35	34.81	10.70	0.00	161
2000	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	3.05	50.17	53.77	37.07	10.17	0.00	154
2001	Dry	0.00	0.00	0.00	0.00	0.00	0.00	11.91	25.72	46.41	25.75	30.59	4.74	145
2002	Dry	0.00	0.00	0.00	0.00	1.29	0.00	16.13	38.76	42.48	28.21	13.28	0.00	140
2003	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	3.37	27.35	37.55	33.00	0.18	0.00	101
Average		0	0	0	0	0	1	7	29	44	34	18	0	133
Wet		0	0	0	0	0	1	3	24	50	43	18	0	140
Above Normal		0	0	0	0	0	0	4	35	50	41	12	0	141
Below Normal		1	0	0	0	0	0	9	35	44	34	14	0	137
Dry		0	0	0	0	0	1	12	31	39	28	21	1	134
Critical		0	0	0	0	2	4	11	21	31	16	20		

Difference in Energy generated (GWh) at CVP San Luis: CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	0	0	0	0	0	0	0	-1	0	0
1926	Dry	0	0	0	0	0	0	0	0	0	0	0	-5	0
1927	Wet	0	0	0	0	0	0	0	5	0	-1	-1	0	0
1928	Above Norma	0	0	0	0	0	0	0	0	0	1	0	0	0
1929	Critical	0	0	0	0	0	-1	0	-1	1	-7	0	0	-1
1930	Dry	0	0	0	0	0	0	0	0	0	-11	12	0	0
1931	Critical	0	0	0	0	4	0	0	0	0	0	-1	0	0
1932	Dry	0	0	0	0	0	0	0	0	-1	-1	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	-1	0	0	2	0
1935	Below Norma	0	0	0	0	0	0	0	0	0	0	-1	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	0	0	0	0	0	0	0	-1	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	-3	-8	3	7	3	0	0
1940	Above Norma	0	0	0	0	0	0	1	5	6	3	1	0	1
1941	Wet	0	0	0	0	0	0	0	0	0	1	1	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1945	Below Norma	0	0	0	0	0	0	0	1	0	0	0	0	0
1946	Below Norma	0	0	0	0	-2	0	0	0	0	-10	4	0	-1
1947	Dry	0	0	0	0	0	0	-2	-3	1	2	1	0	0
1948	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1949	Dry	0	0	0	0	0	0	0	2	2	1	-5	0	0
1950	Below Norma	0	0	0	0	0	0	0	-13	-1	6	0	0	-1
1951	Above Norma	0	0	0	0	0	0	0	-12	-3	6	3	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	-1	0	-5	-3	-3	0	-1
1956	Wet	0	0	0	0	0	0	0	1	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	6	0	-4	-2	0	0
1961	Dry	0	0	0	0	0	0	0	0	0	0	11	0	1
1962	Below Norma	-3	0	0	0	0	0	2	7	7	6	0	0	2
1963	Wet	0	0	0	0	0	0	0	1	1	2	0	0	0
1964	Dry	0	0	0	0	0	0	-1	6	11	-6	-4	0	1
1965	Wet	0	0	0	0	0	0	0	0	1	2	0	0	0
1966	Below Norma	0	0	0	0	0	0	0	0	1	1	0	0	0
1967	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	0	0	-2	0	0	0	0
1973	Above Norma	0	0	0	0	0	0	0	0	0	0	-1	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	Below Norma	0	0	0	0	0	0	0	1	2	1	0	0	0
1980	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	-1	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	2	2	7	3	0	0	1
1986	Wet	0	0	0	0	0	0	0	0	-1	-1	-1	0	0
1987	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	1	0	0	0	0	0	0	0	0
1989	Dry	0	0	0	0	-3	0	-1	3	8	8	5	0	2
1990	Critical	0	0	0	0	0	0	0	0	0	1	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	6	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	-1	-1	0	0
1993	Above Norma	0	0	0	0	0	0	0	0	-1	-1	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	-1	0	0	0	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	-2	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	-2	0	1	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	2	0	0	0	0	0	0	0	0
2003	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norma		0	0	0	0	0	0	0	-1	0	1	0	0	0
Below Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Dry		0	0	0	0	0	0	0	0	2	0	1	0	0
Critical		0	0	0	0	0	0	0	0	0	-1	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy generated (GWh) at CVP San Luis: CP4B_2020 minus CONV_NA

Year Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922 Above Norma -	-	-	-	-	-	-	-	0%	0%	0%	0%	0%
1923 Below Norma -	-	-	-	-	-	-	-	0%	0%	0%	0%	0%
1924 Critical -	-	-	-	-	0%	0%	0%	0%	0%	0%	0%	0%
1925 Dry -	-	-	-	-	-	-	-	-1%	0%	0%	-3%	-
1926 Dry -	-	-	-	-	-	-	-	1%	0%	-1%	0%	-51%
1927 Wet -	-	-	-	-	-	-	0%	11%	-1%	-4%	-13%	-
1928 Above Norma -	-	-	-	-	-	-	0%	0%	0%	2%	-4%	-
1929 Critical -	-	-	-	-	-	-7%	-1%	-4%	3%	-34%	0%	-
1930 Dry -	-	-	-	-	-	-	-3%	-1%	0%	-26%	43%	-
1931 Critical -	-	-	-	-	147%	-	1%	2%	3%	3%	-3%	-
1932 Dry -	-	-	-	-	-	-2%	-3%	-2%	-3%	-3%	-5%	-
1933 Critical -	-	-	-	-	-	0%	0%	0%	0%	0%	1%	-
1934 Critical -	-	-	-	-	-	-3%	-2%	-2%	-2%	-3%	-1%	28%
1935 Below Norma -	-3%	-	-	-	-	-	-	0%	0%	0%	-3%	-
1936 Below Norma -	-	-	-	-	-	-	-	0%	0%	0%	0%	-
1937 Below Norma -	-	-	-	-	-	-	-	-	-1%	-1%	0%	-
1938 Wet -	-	-	-	-	-	-	-	-	0%	0%	0%	-
1939 Dry -	-	-	-	-	-	-	-17%	-21%	8%	29%	13%	-
1940 Above Norma -	-	-	-	-	-	-	22%	15%	14%	8%	21%	-
1941 Wet -	-	-	-	-	-	-	-	1%	1%	1%	5%	-
1942 Wet -	-	-	-	-	-	-	0%	0%	0%	0%	0%	-
1943 Wet -	-	-	-	-	-	-	-	0%	0%	0%	0%	-
1944 Dry -	-	-	-	-	-	-	0%	0%	0%	0%	0%	-
1945 Below Norma -	-	-	-	-	-	-	0%	4%	0%	-1%	-1%	-
1946 Below Norma -	-	-	-	-	-78%	-	0%	0%	1%	-30%	63%	-
1947 Dry -	-	-	-	-	-	-	-12%	-5%	5%	5%	5%	-
1948 Below Norma -	-	-	-	-	-	-	-	0%	0%	1%	0%	-
1949 Dry -	-	-	-	-	-	-	-1%	6%	4%	5%	-32%	-
1950 Below Norma -	-	-	-	-	-	-	-	-32%	-2%	14%	-12%	-
1951 Above Norma -	-	-	-	-	-	-	0%	-24%	-5%	13%	44%	-
1952 Wet -	-	-	-	-	-	-	-	-	0%	0%	0%	-
1953 Wet -	-	-	-	-	-	0%	0%	0%	0%	0%	0%	-
1954 Above Norma -	-	-	-	-	-	-	0%	0%	0%	0%	0%	-
1955 Dry -	-	-	-	-	-	-	-6%	-1%	-12%	-17%	-7%	-
1956 Wet -	-	-	-	-	-	-	0%	3%	0%	0%	0%	-
1957 Above Norma -	-	-	-	-	-	-	0%	0%	0%	0%	0%	-
1958 Wet -	-	-	-	-	-	-	-	0%	0%	0%	0%	-
1959 Below Norma -	-	-	-	-	-	-	0%	0%	0%	0%	0%	-
1960 Dry -	-	-	-	-	-	-	-1%	32%	2%	-18%	-18%	-
1961 Dry -	-	-	-	-	-	-	-1%	-1%	-1%	2%	197%	-
1962 Below Norma -	-47%	-	-	-	-	-	14%	17%	21%	25%	6%	-
1963 Wet -	-	-	-	-	-	-	1%	1%	3%	4%	3%	-
1964 Dry -	-	-	-	-	-	-	-7%	26%	50%	-22%	-19%	-
1965 Wet -	-	-	-	-	-	-	0%	0%	2%	8%	4%	-
1966 Below Norma -	-	-	-	-	-	-	0%	1%	1%	3%	1%	-
1967 Wet -	-	-	-	-	-	-	-	0%	0%	0%	0%	-
1968 Below Norma -	-	-	-	-	-	-	0%	0%	0%	0%	0%	-
1969 Wet -	-	-	-	-	-	-	-	0%	0%	0%	0%	-
1970 Wet -	-	-	-	-	-	-	0%	0%	0%	0%	0%	-
1971 Wet -	-	-	-	-	-	-	0%	0%	0%	0%	0%	-
1972 Below Norma -	-	-	-	-	-	-	0%	0%	-4%	0%	1%	-
1973 Above Norma -	-	-	-	-	-	-	0%	0%	0%	0%	-5%	-
1974 Wet -	-	-	-	-	-	-	-	0%	0%	0%	0%	-
1975 Wet -	-	-	-	-	-	-	0%	-1%	0%	0%	0%	-
1976 Critical -	-	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1977 Critical -	-	-	-	-	-34%	0%	0%	0%	0%	-	0%	-
1978 Above Norma -	-	-	-	-	-	-	-	0%	0%	0%	0%	-
1979 Below Norma -	-	-	-	-	-	-	0%	5%	3%	4%	2%	-
1980 Above Norma -	-	-	-	-	-	-	-	0%	0%	0%	0%	-
1981 Dry -	-	-	-	-	-	-	0%	0%	0%	0%	-4%	-
1982 Wet -	-	-	-	-	-	-	-	-	0%	0%	0%	-
1983 Wet -	-	-	-	-	-	-	-	-	0%	0%	0%	-
1984 Wet -	-	-	-	-	-	-	0%	0%	0%	0%	0%	-
1985 Dry -	-	-	-	-	-	-	10%	8%	18%	13%	-5%	-
1986 Wet -	-	-	-	-	-	-	-	-	-6%	-1%	-8%	-
1987 Dry -	-	-	-	-	-	-	-2%	1%	1%	1%	0%	-
1988 Critical -	-	-	-	-	-	0%	0%	0%	0%	0%	0%	-
1989 Dry -	-	-	-	-	-100%	-	-33%	11%	33%	33%	30%	-
1990 Critical -	-	-	-	-	-	-	0%	0%	-1%	12%	-1%	-2%
1991 Critical -	-	-	-	-	-	-	0%	0%	-1%	-3%	41%	-
1992 Critical -	-	-	-	-	-	-	1%	-1%	-1%	-2%	-3%	-
1993 Above Norma -	-	-	-	-	-	-	-	-1%	-1%	-2%	-2%	-
1994 Critical -	-	-	-	-	-	-	0%	0%	0%	0%	0%	-
1995 Wet -	-100%	-	-	-	-	-	-	-	0%	0%	0%	-
1996 Wet -	-	-	-	-	-	-	0%	0%	-3%	1%	1%	-
1997 Wet -	-	-	-	-	-	-	0%	0%	-5%	0%	2%	-
1998 Wet -	-	-	-	-	-	-	-	0%	0%	0%	0%	-
1999 Wet -	-	-	-	-	-	-	0%	0%	0%	0%	0%	-
2000 Above Norma -	-	-	-	-	-	-	0%	0%	0%	0%	0%	-
2001 Dry -	-	-	-	-	-	-	-1%	-1%	0%	0%	-1%	5%
2002 Dry -	-	-	-	-	192%	-	0%	0%	0%	0%	-1%	-
2003 Above Norma -	-	-	-	-	-	-	0%	0%	0%	0%	-1%	-
Average	-50%	#DIV/0!	#DIV/0!	#DIV/0!	21%	-1%	-1%	1%	2%	0%	4%	-3%
Wet	-4%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Above Norma	0%	0%	0%	0%	0%	0%	2%	-1%	1%	2%	4%	0%
Below Norma	-4%	0%	0%	0%	-6%	0%	1%	0%	1%	1%	4%	0%
Dry	0%	0%	0%	0%	5%	0%	-4%	3%	6%	0%	11%	-3%
Critical	0%	0%	0%	0%	9%	-1%	0%	0%	0%	-2%	3%	2%

Difference in Energy generated (GWh) at Folsom Dam : CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	1	-1	0	0	0	0	2	-1	0	0
1926	Dry	0	0	0	1	-1	4	-4	0	0	0	0	9	1
1927	Wet	-3	-2	-2	-2	0	0	0	0	0	2	-3	-1	-1
1928	Above Norm	0	0	0	-3	3	0	0	0	0	0	0	0	0
1929	Critical	0	1	1	1	0	0	0	1	-3	0	0	0	0
1930	Dry	0	0	0	0	0	0	0	-3	-1	9	-4	-4	0
1931	Critical	0	1	1	6	0	0	0	0	-3	-2	-1	-3	0
1932	Dry	10	-6	0	-1	-3	0	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	2	0	0	0
1934	Critical	0	0	0	0	-3	-1	4	0	-1	0	0	3	0
1935	Below Norm	4	0	-1	-1	0	0	-12	0	0	0	0	0	-1
1936	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norm	0	0	1	1	-2	0	0	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	16	5	-13	-8	3	-16	-3	0	-1
1940	Above Norm	1	1	1	12	0	0	0	0	0	0	0	3	2
1941	Wet	12	-7	-2	-8	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	-2	0	0	0	0
1945	Below Norm	0	0	0	0	0	0	0	0	0	-2	2	0	0
1946	Below Norm	0	0	0	0	0	0	0	0	0	27	-28	-13	-1
1947	Dry	1	8	1	0	2	2	0	8	5	-3	0	0	1
1948	Below Norm	0	0	0	0	0	0	-2	0	0	0	0	0	0
1949	Dry	0	0	-3	-2	1	4	0	0	0	3	4	5	1
1950	Below Norm	-1	-1	-1	-12	0	0	0	0	0	0	0	0	-1
1951	Above Norm	0	0	0	0	0	0	0	0	-6	1	0	-11	-1
1952	Wet	1	5	13	0	0	0	0	0	0	0	0	0	2
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	1	1	0	-11	0	2	1	2	4	6	-1	0
1956	Wet	-1	0	0	0	0	0	0	0	0	0	0	0	0
1957	Above Norm	0	0	0	0	0	0	0	0	0	0	0	-1	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norm	0	0	0	0	0	0	1	1	0	0	0	0	0
1960	Dry	0	0	0	0	-1	0	0	0	0	1	1	0	0
1961	Dry	0	0	0	0	0	0	0	0	0	-2	0	0	0
1962	Below Norm	0	0	0	0	-2	0	0	0	0	0	3	2	0
1963	Wet	-5	0	0	0	0	1	-1	0	0	-1	0	0	0
1964	Dry	0	1	0	0	0	0	0	0	-4	4	2	-1	0
1965	Wet	0	2	-1	0	0	0	0	0	0	0	0	0	0
1966	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	-11	11	0	0	0	0	0	0	0	0	0
1968	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	-2	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	-1	0	0
1971	Wet	0	0	1	0	0	-1	0	0	0	0	0	0	0
1972	Below Norm	0	0	0	0	0	0	0	0	1	0	0	-1	0
1973	Above Norm	0	1	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	Below Norm	0	0	1	-1	0	0	2	-2	4	1	-3	-3	0
1980	Above Norm	0	-1	0	0	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	3	0	0	-2	0	0	1	0
1986	Wet	0	0	1	-2	0	0	0	0	1	-1	0	0	0
1987	Dry	0	0	0	0	0	0	0	0	-1	0	0	0	0
1988	Critical	0	1	0	0	-1	0	0	0	0	0	0	0	0
1989	Dry	0	0	15	-3	12	-29	0	1	0	0	-1	6	0
1990	Critical	0	-5	2	2	-5	0	0	0	0	0	1	0	-1
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	-1	-1	-1	-1	-2	0	-1
1993	Above Norm	0	0	0	7	0	0	0	0	0	0	0	0	1
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	-15	-1
1995	Wet	13	1	0	0	0	0	0	0	0	0	0	0	1
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	1	-1	0	0	0
1998	Wet	0	1	1	-3	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norm	0	0	0	0	0	0	0	0	-4	0	1	1	0
2001	Dry	0	1	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	-1	0	0	0	0	0	0	1	-1	0
2003	Above Norm	0	0	1	-1	0	0	0	0	0	0	0	0	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		1	0	0	0	0	0	0	0	0	0	0	0	0
Above Norm		0	0	0	1	0	0	0	0	-1	0	0	-1	0
Below Norm		0	0	0	-1	0	0	-1	0	0	2	-2	-1	0
Dry		1	0	1	0	1	-1	-1	-1	0	0	0	1	0
Critical		0	0	0	1	-1	0	0	0	-1	0	0	-1	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy generated (GWh) at Folsom Dam : CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1923	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1924	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1925	Dry	0%	0%	2%	3%	-2%	0%	0%	0%	0%	-1%	12%	-2%
1926	Dry	0%	0%	2%	2%	-3%	13%	-11%	0%	0%	0%	0%	101%
1927	Wet	-12%	-10%	-10%	-5%	0%	0%	0%	0%	0%	0%	5%	-8%
1928	Above Norma	0%	0%	-1%	-11%	11%	0%	0%	0%	0%	-1%	0%	0%
1929	Critical	0%	4%	3%	3%	-1%	3%	0%	3%	-9%	0%	-2%	0%
1930	Dry	0%	0%	0%	0%	0%	0%	0%	-9%	-2%	22%	-16%	-16%
1931	Critical	0%	3%	3%	31%	1%	0%	-2%	3%	-11%	-9%	-6%	-21%
1932	Dry	89%	-46%	-1%	-2%	-4%	0%	0%	0%	0%	0%	0%	0%
1933	Critical	0%	0%	-1%	0%	0%	0%	1%	1%	0%	0%	6%	0%
1934	Critical	0%	0%	-1%	-1%	-11%	-4%	8%	1%	-2%	-2%	-1%	34%
1935	Below Norma	31%	-3%	-3%	-3%	-2%	-2%	-9%	0%	0%	0%	0%	0%
1936	Below Norma	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1937	Below Norma	0%	0%	2%	3%	-4%	0%	0%	0%	0%	0%	0%	0%
1938	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	165%	27%	-36%	-25%	12%	-36%	-13%	3%
1940	Above Norma	6%	7%	10%	33%	0%	0%	0%	0%	0%	0%	0%	15%
1941	Wet	25%	-18%	-5%	-10%	0%	0%	0%	0%	0%	0%	0%	0%
1942	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1944	Dry	0%	0%	1%	1%	2%	2%	1%	0%	-4%	0%	0%	0%
1945	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	-2%	4%	4%	0%
1946	Below Norma	0%	-1%	0%	0%	0%	0%	0%	0%	0%	46%	-45%	-53%
1947	Dry	2%	24%	2%	2%	7%	6%	1%	0%	16%	-8%	-2%	1%
1948	Below Norma	0%	0%	0%	0%	0%	0%	-4%	0%	0%	0%	0%	0%
1949	Dry	0%	0%	-8%	-8%	3%	14%	0%	0%	0%	6%	8%	28%
1950	Below Norma	-2%	-4%	-4%	-30%	0%	0%	0%	0%	0%	0%	0%	0%
1951	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	-10%	1%	1%	-40%
1952	Wet	3%	16%	17%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%
1955	Dry	0%	3%	3%	3%	-45%	1%	10%	2%	8%	11%	22%	-8%
1956	Wet	-3%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	-3%
1958	Wet	0%	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	0%	0%	0%	0%	3%	2%	-1%	0%	0%	0%
1960	Dry	0%	0%	0%	0%	-8%	0%	0%	0%	0%	2%	4%	1%
1961	Dry	-1%	0%	1%	-3%	7%	0%	1%	0%	1%	-4%	-1%	-1%
1962	Below Norma	-1%	-1%	-1%	-1%	-6%	0%	0%	0%	-1%	0%	7%	9%
1963	Wet	-10%	0%	0%	0%	0%	2%	-1%	0%	0%	-2%	0%	0%
1964	Dry	0%	2%	0%	0%	0%	0%	0%	0%	-12%	8%	5%	-3%
1965	Wet	0%	9%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1966	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%
1967	Wet	0%	0%	-42%	12%	0%	0%	0%	0%	0%	0%	0%	0%
1968	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1969	Wet	0%	0%	-7%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-2%	0%
1971	Wet	0%	1%	1%	0%	1%	-1%	0%	0%	0%	0%	0%	0%
1972	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	2%	1%	0%	-5%
1973	Above Norma	0%	2%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1977	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1978	Above Norma	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1979	Below Norma	0%	1%	3%	-4%	0%	0%	4%	-3%	5%	3%	-16%	-8%
1980	Above Norma	0%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1982	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	16%	-1%	-1%	-3%	-1%	0%	6%
1986	Wet	0%	-1%	3%	-5%	0%	0%	0%	0%	2%	2%	-1%	0%
1987	Dry	0%	0%	0%	0%	0%	0%	2%	0%	-4%	1%	2%	2%
1988	Critical	0%	3%	0%	0%	-2%	0%	0%	0%	0%	0%	0%	0%
1989	Dry	0%	0%	171%	-13%	172%	-24%	0%	1%	0%	0%	-3%	39%
1990	Critical	-1%	-17%	10%	9%	-41%	0%	0%	1%	0%	-1%	3%	-1%
1991	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	0%	1%
1992	Critical	0%	1%	0%	0%	0%	0%	-2%	-5%	-8%	-6%	-19%	2%
1993	Above Norma	2%	3%	3%	18%	0%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-68%
1995	Wet	151%	8%	-6%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	0%	0%	2%	-1%	0%	0%
1998	Wet	0%	4%	4%	-2%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	-8%	1%	2%	5%
2001	Dry	1%	3%	0%	0%	2%	1%	1%	0%	1%	2%	1%	0%
2002	Dry	0%	2%	2%	-3%	0%	0%	0%	0%	0%	0%	3%	-4%
2003	Above Norma	0%	0%	3%	-2%	0%	0%	0%	0%	0%	0%	0%	0%
Average		3%	0%	2%	0%	3%	1%	0%	0%	0%	0%	-1%	0%
Wet		6%	0%	-2%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Above Norma		1%	1%	1%	3%	1%	0%	0%	0%	-2%	0%	0%	-2%
Below Norma		2%	-1%	0%	-2%	-1%	0%	0%	0%	3%	3%	-4%	-4%
Dry		5%	-1%	10%	-1%	16%	3%	-2%	-2%	1%	0%	1%	8%
Critical		0%	0%	1%	4%	-4%	0%	0%	0%	-2%	-2%	-2%	-4%

Difference in Energy generated (GWh) at Judge Francis Carr : CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	4	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	0	0	0	0	0	0	0	0	-2	0	0
1927	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	8	0	1
1930	Dry	0	0	-11	0	0	0	0	0	0	0	0	0	-1
1931	Critical	0	0	0	0	0	1	0	0	0	0	0	0	0
1932	Dry	9	-7	-1	1	0	0	-3	0	1	0	2	0	0
1933	Critical	0	0	1	0	0	0	0	0	0	0	-42	0	-3
1934	Critical	0	0	0	0	0	3	0	1	0	0	61	-27	3
1935	Below Norma	-9	0	0	7	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	1	0
1939	Dry	0	0	0	0	0	-47	0	23	9	110	0	-20	6
1940	Above Norma	-32	-32	0	0	0	0	0	0	0	0	0	0	-5
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1945	Below Norma	0	0	0	0	0	0	0	0	19	0	0	0	2
1946	Below Norma	0	0	0	0	0	0	0	0	0	0	0	-16	-1
1947	Dry	0	0	0	3	5	5	0	0	0	17	-13	-16	0
1948	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1949	Dry	15	0	0	0	0	-8	0	0	0	0	0	0	1
1950	Below Norma	0	0	0	0	0	-3	0	0	0	0	0	0	0
1951	Above Norma	0	0	0	0	0	-2	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	10	0	0	1
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1961	Dry	0	0	0	0	0	0	0	0	0	0	-29	0	-2
1962	Below Norma	0	13	0	5	0	0	0	0	0	0	0	0	2
1963	Wet	0	0	0	0	0	0	0	0	0	0	0	-7	-1
1964	Dry	0	17	0	0	0	0	-7	0	0	0	0	0	1
1965	Wet	0	0	0	0	0	0	0	0	0	0	0	20	2
1966	Below Norma	0	0	0	-13	0	-6	0	0	0	0	0	0	-2
1967	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	66	-25	0	3
1971	Wet	0	0	0	0	-12	8	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	21	0	-1	2	0	0	0	2
1986	Wet	-4	-1	0	0	0	0	-13	0	0	0	0	0	-1
1987	Dry	0	0	0	5	0	0	0	0	5	0	-5	-3	0
1988	Critical	-3	0	0	0	0	0	-1	0	0	0	0	0	0
1989	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	3	2	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	-1	0
1993	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	-3	0	0	0	0	-1	0	-1	5	0
1995	Wet	0	0	0	0	0	0	-6	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	3	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	Above Norma	-2	0	0	0	0	0	0	0	0	0	0	0	0
Average		0	0	0	0	0	0	0	0	0	2	-1	-1	0
Wet		0	0	0	0	0	0	-1	0	0	3	-1	1	0
Above Norma		-3	-3	0	0	0	0	0	0	0	0	0	0	0
Below Norma		-1	1	0	0	0	-1	0	1	0	0	0	-1	0
Dry		1	1	-1	1	0	-2	-1	1	1	8	-3	-2	0
Critical		0	0	0	0	0	0	0	0	0	2	-2	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy generated (GWh) at Judge Francis Carr : CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1923	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1924	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1925	Dry	0%	-100%	0%	5%	0%	0%	0%	0%	0%	0%	0%	0%
1926	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-2%	0%
1927	Wet	0%	0%	0%	0%	0%	0%	-100%	0%	0%	0%	0%	0%
1928	Above Norma	0%	0%	0%	0%	0%	-85%	0%	0%	0%	0%	0%	0%
1929	Critical	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	20%	0%
1930	Dry	0%	0%	-69%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1931	Critical	0%	0%	0%	0%	0%	18%	0%	0%	0%	0%	0%	0%
1932	Dry	42%	-100%	-100%	2%	-100%	0%	-29%	2%	6%	0%	7%	0%
1933	Critical	-2%	-1%	2141%	0%	0%	0%	0%	0%	0%	0%	-83%	0%
1934	Critical	0%	0%	-100%	0%	0%	0%	0%	16%	0%	0%	119%	-48%
1935	Below Norma	-92%	0%	534%	80%	0%	0%	0%	0%	0%	0%	0%	0%
1936	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1937	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1938	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	2%
1939	Dry	0%	0%	0%	0%	0%	-93%	0%	68%	10%	7407%	0%	-26%
1940	Above Norma	-28%	-56%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1942	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1944	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1945	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	304%	0%	0%	0%
1946	Below Norma	0%	-100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-25%
1947	Dry	0%	0%	0%	63%	150%	150%	0%	0%	0%	29%	-15%	-33%
1948	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1949	Dry	502%	0%	0%	0%	0%	-100%	0%	0%	0%	0%	0%	0%
1950	Below Norma	0%	0%	0%	0%	0%	-47%	0%	0%	0%	0%	0%	0%
1951	Above Norma	0%	0%	0%	0%	0%	-29%	1%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	-1%	0%	-2%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1955	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	14%	0%	0%
1956	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1958	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	-100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1960	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1961	Dry	0%	0%	0%	0%	-100%	0%	0%	0%	0%	0%	-26%	0%
1962	Below Norma	0%	400%	0%	150%	0%	0%	0%	0%	0%	0%	0%	0%
1963	Wet	4%	0%	0%	0%	-1%	0%	-100%	0%	0%	0%	0%	-20%
1964	Dry	-100%	992%	0%	0%	0%	0%	-55%	0%	0%	0%	0%	0%
1965	Wet	0%	0%	0%	0%	0%	0%	-100%	0%	0%	0%	0%	43%
1966	Below Norma	0%	0%	0%	-100%	0%	-15%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1968	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1969	Wet	0%	0%	0%	-69%	0%	0%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	4381%	-23%	0%
1971	Wet	0%	0%	0%	0%	-79%	54%	-82%	0%	0%	0%	0%	0%
1972	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1973	Above Norma	0%	0%	60%	-11%	0%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1977	Critical	0%	0%	0%	-2%	0%	0%	0%	0%	0%	0%	0%	0%
1978	Above Norma	0%	0%	-100%	-13%	0%	0%	0%	0%	0%	0%	0%	0%
1979	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1980	Above Norma	0%	0%	219%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	-100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1982	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	-41%	0%	0%	393%	0%	-10%	3%	0%	0%	0%
1986	Wet	-13%	-19%	0%	0%	111%	0%	-19%	0%	0%	0%	0%	0%
1987	Dry	0%	0%	0%	150%	0%	0%	0%	0%	10%	0%	-4%	-5%
1988	Critical	-12%	1%	0%	0%	0%	0%	-4%	0%	-1%	0%	0%	0%
1989	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1990	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	0%	3650%	849%	0%	0%	0%	0%	0%	0%	0%
1992	Critical	0%	-100%	0%	0%	0%	0%	-92%	0%	0%	0%	0%	-1%
1993	Above Norma	0%	-100%	0%	0%	0%	0%	55%	0%	0%	0%	0%	0%
1994	Critical	0%	-100%	0%	-8%	0%	0%	0%	1%	-1%	0%	-1%	8%
1995	Wet	0%	0%	0%	-100%	0%	0%	-26%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1997	Wet	-100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1998	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	-90%	0%	0%	0%
2001	Dry	0%	0%	0%	0%	0%	0%	0%	0%	3%	0%	0%	0%
2002	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2003	Above Norma	-6%	0%	0%	0%	0%	0%	-100%	0%	0%	0%	0%	0%
Average		3%	8%	38%	55%	14%	4%	-9%	2%	3%	146%	0%	-1%
Wet		-4%	-1%	0%	-7%	1%	2%	-16%	0%	0%	169%	-1%	1%
Above Norma		-3%	-13%	15%	-2%	0%	-9%	-4%	0%	-8%	0%	0%	0%
Below Norma		-7%	14%	38%	9%	0%	-4%	0%	0%	22%	0%	0%	-2%
Dry		25%	38%	-12%	12%	-3%	19%	-5%	3%	2%	414%	-2%	-4%
Critical		-1%	-17%	170%	303%	71%	2%	-8%	1%	0%	0%	5%	-3%

Difference in Energy generated (GWh) at Keswick Dam : CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1927	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	-4	0	4	0	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	1	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	2	0	0	0	1	0	0	1	0
1932	Dry	-6	-1	-1	0	0	0	0	0	0	0	0	0	-1
1933	Critical	0	0	0	0	0	0	0	0	0	0	-1	2	0
1934	Critical	0	0	0	0	0	0	-2	-1	0	0	0	-2	0
1935	Below Norma	-1	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	0	0	0	0	0	2	0	0	0	0	0	0
1938	Wet	0	-2	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	5	0	3	0	-2	-2	-1	0	0
1940	Above Norma	0	0	0	0	0	0	0	0	0	1	1	-3	0
1941	Wet	0	8	-8	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1945	Below Norma	0	0	0	0	0	0	0	0	0	0	-1	0	0
1946	Below Norma	1	1	0	0	0	0	0	0	0	3	1	3	1
1947	Dry	2	0	0	0	0	0	0	0	-3	-2	-2	0	0
1948	Below Norma	0	0	0	0	-2	0	0	-2	0	0	0	0	0
1949	Dry	2	0	-2	-2	-6	8	0	3	-3	-3	3	2	1
1950	Below Norma	0	0	0	-2	1	0	0	-2	-3	-2	-2	-3	-1
1951	Above Norma	6	2	0	0	0	0	0	0	0	0	0	-1	1
1952	Wet	1	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	3	-5	2	0	1	1	0	0	0
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	0	-1	2	1	0	0
1961	Dry	0	1	1	0	-3	0	0	0	0	0	-21	6	-1
1962	Below Norma	2	6	0	-1	17	0	0	0	0	0	6	-6	2
1963	Wet	0	0	0	0	0	1	0	0	0	-1	0	0	0
1964	Dry	0	2	0	0	0	0	0	0	0	2	-2	3	0
1965	Wet	0	0	-4	0	0	0	0	0	0	2	0	0	0
1966	Below Norma	0	0	0	-2	0	-1	0	0	0	0	0	0	0
1967	Wet	-1	1	-1	0	0	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	1	0	-2	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	5	0	0	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	0	0	1	0	0	0	0
1973	Above Norma	-1	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	Below Norma	0	0	0	0	5	0	0	0	-1	1	0	0	0
1980	Above Norma	0	-3	0	0	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	1	-1	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	6	0	0	-1	0	-1	2	0
1986	Wet	-1	0	0	0	0	0	0	0	0	0	0	0	0
1987	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	Dry	0	0	1	0	0	0	6	-1	-2	-2	-3	0	0
1990	Critical	0	0	-1	-1	1	0	0	0	0	-1	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	1	0	0	0	0
1993	Above Norma	1	0	0	0	0	0	-1	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	3	0
1995	Wet	-1	0	0	-1	0	0	-1	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	1	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	1	1	-1	-1	0	0	0	0	0	0	0	0
2003	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norma		1	0	0	0	0	0	0	0	0	0	0	0	0
Below Norma		0	1	0	0	2	0	0	0	0	0	0	0	0
Dry		0	0	0	0	0	1	1	0	0	0	-1	1	0
Critical		0	0	0	0	0	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy generated (GWh) at Keswick Dam : CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1923	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1924	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1925	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1926	Dry	0%	0%	0%	-1%	0%	-1%	-1%	0%	0%	0%	0%	0%
1927	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1928	Above Norma	0%	-1%	0%	-19%	0%	5%	0%	0%	0%	-1%	-1%	1%
1929	Critical	0%	2%	2%	0%	0%	0%	0%	0%	1%	0%	0%	0%
1930	Dry	0%	0%	6%	0%	3%	2%	0%	-1%	0%	0%	0%	-1%
1931	Critical	0%	0%	0%	0%	13%	0%	0%	0%	3%	0%	0%	4%
1932	Dry	-21%	-5%	-5%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1933	Critical	0%	0%	0%	0%	0%	0%	-1%	0%	0%	0%	-1%	7%
1934	Critical	1%	0%	0%	0%	0%	0%	-6%	-2%	0%	0%	0%	-9%
1935	Below Norma	-7%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1936	Below Norma	0%	0%	0%	0%	3%	0%	0%	0%	-1%	0%	0%	0%
1937	Below Norma	0%	0%	2%	1%	0%	0%	10%	0%	0%	0%	0%	0%
1938	Wet	0%	-8%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	37%	0%	7%	0%	-3%	-2%	-3%	0%
1940	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	2%	-7%
1941	Wet	1%	36%	-22%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1942	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1944	Dry	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%	1%
1945	Below Norma	0%	2%	2%	0%	0%	0%	0%	0%	0%	1%	-1%	0%
1946	Below Norma	3%	4%	0%	0%	1%	0%	0%	0%	0%	6%	2%	11%
1947	Dry	6%	0%	0%	0%	0%	0%	-1%	-1%	-6%	-3%	-3%	-1%
1948	Below Norma	0%	2%	2%	0%	-6%	0%	0%	-9%	0%	0%	0%	0%
1949	Dry	8%	0%	-10%	-9%	-17%	52%	1%	0%	5%	-4%	7%	7%
1950	Below Norma	0%	0%	0%	-11%	3%	0%	0%	-7%	-6%	-4%	-5%	-10%
1951	Above Norma	29%	4%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-5%
1952	Wet	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1955	Dry	1%	0%	-2%	0%	14%	-24%	6%	1%	2%	1%	0%	2%
1956	Wet	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1958	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1960	Dry	0%	0%	0%	0%	0%	0%	0%	0%	-1%	3%	2%	0%
1961	Dry	0%	3%	3%	0%	-13%	0%	0%	0%	0%	0%	-27%	23%
1962	Below Norma	9%	24%	0%	-3%	68%	0%	0%	0%	0%	0%	12%	-18%
1963	Wet	0%	-2%	0%	0%	0%	2%	0%	0%	0%	-1%	0%	0%
1964	Dry	0%	6%	0%	0%	0%	0%	0%	0%	0%	5%	-4%	9%
1965	Wet	1%	-1%	-5%	0%	0%	0%	0%	0%	0%	4%	0%	0%
1966	Below Norma	0%	0%	0%	-6%	0%	-1%	0%	0%	0%	0%	0%	1%
1967	Wet	-2%	5%	-2%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1968	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1969	Wet	4%	2%	-10%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	2%	9%	0%	-1%	0%	0%	0%	0%	0%	0%	0%
1972	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%	1%
1973	Above Norma	-3%	0%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1977	Critical	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%
1978	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1979	Below Norma	0%	0%	0%	0%	37%	0%	-3%	-1%	-2%	1%	0%	0%
1980	Above Norma	0%	-14%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%
1982	Wet	6%	-2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	37%	1%	0%	-2%	0%	-1%	6%
1986	Wet	-4%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1987	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	-1%	0%
1988	Critical	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%	0%
1989	Dry	0%	0%	6%	0%	0%	0%	37%	-1%	-3%	-3%	-7%	0%
1990	Critical	2%	0%	-4%	-4%	4%	0%	0%	0%	0%	-1%	0%	0%
1991	Critical	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1992	Critical	0%	0%	0%	0%	0%	0%	2%	1%	2%	1%	1%	0%
1993	Above Norma	3%	-1%	0%	0%	0%	0%	-4%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	9%
1995	Wet	-4%	0%	0%	-3%	0%	0%	-2%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1998	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	2%	0%	0%	-2%
2001	Dry	0%	0%	0%	1%	2%	0%	0%	0%	0%	0%	0%	0%
2002	Dry	0%	3%	3%	-2%	-2%	0%	0%	0%	0%	0%	0%	1%
2003	Above Norma	0%	0%	2%	-1%	1%	0%	0%	0%	0%	0%	0%	0%
Average		0%	1%	0%	-1%	2%	1%	1%	0%	0%	0%	0%	0%
Wet		0%	1%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Above Norma		2%	-1%	0%	-2%	0%	0%	0%	0%	0%	0%	0%	-1%
Below Norma		0%	2%	0%	-1%	8%	0%	0%	-1%	-1%	0%	1%	-1%
Dry		0%	0%	0%	-1%	1%	4%	3%	0%	0%	0%	-2%	2%
Critical		0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	1%

Difference in Energy generated (GWh) at Lewiston Dam : CP4B_2020 minus CONV_NA

Year Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922 Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923 Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1924 Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1925 Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1926 Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1927 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1928 Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1929 Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1930 Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1931 Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1932 Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1933 Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1934 Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1935 Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1936 Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937 Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1938 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939 Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1940 Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1941 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1942 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944 Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1945 Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1946 Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1947 Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1948 Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1949 Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1950 Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1951 Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1952 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954 Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955 Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1956 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1957 Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959 Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960 Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1961 Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1962 Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1963 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1964 Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1965 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1966 Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1967 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1968 Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972 Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1973 Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1974 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976 Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1977 Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1978 Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1979 Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1980 Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1981 Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985 Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1986 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1987 Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1988 Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1989 Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1990 Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1991 Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992 Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1993 Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1994 Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1995 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1996 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1998 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000 Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
2001 Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002 Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2003 Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
Average	0	0	0	0	0	0	0	0	0	0	0	0	0
Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
Critical	0	0	0	0	0	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy generated (GWh) at Lewiston Dam : CP4B_2020 minus CONV_NA

Year Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922 Above Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1923 Below Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1924 Critical	-	-	-	-	-	-	-	-	-	-	-	-
1925 Dry	-	-	-	-	-	-	-	-	-	-	-	-
1926 Dry	-	-	-	-	-	-	-	-	-	-	-	-
1927 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1928 Above Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1929 Critical	-	-	-	-	-	-	-	-	-	-	-	-
1930 Dry	-	-	-	-	-	-	-	-	-	-	-	-
1931 Critical	-	-	-	-	-	-	-	-	-	-	-	-
1932 Dry	-	-	-	-	-	-	-	-	-	-	-	-
1933 Critical	-	-	-	-	-	-	-	-	-	-	-	-
1934 Critical	-	-	-	-	-	-	-	-	-	-	-	-
1935 Below Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1936 Below Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1937 Below Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1938 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1939 Dry	-	-	-	-	-	-	-	-	-	-	-	-
1940 Above Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1941 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1942 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1943 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1944 Dry	-	-	-	-	-	-	-	-	-	-	-	-
1945 Below Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1946 Below Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1947 Dry	-	-	-	-	-	-	-	-	-	-	-	-
1948 Below Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1949 Dry	-	-	-	-	-	-	-	-	-	-	-	-
1950 Below Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1951 Above Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1952 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1953 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1954 Above Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1955 Dry	-	-	-	-	-	-	-	-	-	-	-	-
1956 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1957 Above Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1958 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1959 Below Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1960 Dry	-	-	-	-	-	-	-	-	-	-	-	-
1961 Dry	-	-	-	-	-	-	-	-	-	-	-	-
1962 Below Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1963 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1964 Dry	-	-	-	-	-	-	-	-	-	-	-	-
1965 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1966 Below Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1967 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1968 Below Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1969 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1970 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1971 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1972 Below Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1973 Above Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1974 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1975 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1976 Critical	-	-	-	-	-	-	-	-	-	-	-	-
1977 Critical	-	-	-	-	-	-	-	-	-	-	-	-
1978 Above Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1979 Below Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1980 Above Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1981 Dry	-	-	-	-	-	-	-	-	-	-	-	-
1982 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1983 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1984 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1985 Dry	-	-	-	-	-	-	-	-	-	-	-	-
1986 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1987 Dry	-	-	-	-	-	-	-	-	-	-	-	-
1988 Critical	-	-	-	-	-	-	-	-	-	-	-	-
1989 Dry	-	-	-	-	-	-	-	-	-	-	-	-
1990 Critical	-	-	-	-	-	-	-	-	-	-	-	-
1991 Critical	-	-	-	-	-	-	-	-	-	-	-	-
1992 Critical	-	-	-	-	-	-	-	-	-	-	-	-
1993 Above Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1994 Critical	-	-	-	-	-	-	-	-	-	-	-	-
1995 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1996 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1997 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1998 Wet	-	-	-	-	-	-	-	-	-	-	-	-
1999 Wet	-	-	-	-	-	-	-	-	-	-	-	-
2000 Above Norma-	-	-	-	-	-	-	-	-	-	-	-	-
2001 Dry	-	-	-	-	-	-	-	-	-	-	-	-
2002 Dry	-	-	-	-	-	-	-	-	-	-	-	-
2003 Above Norma-	-	-	-	-	-	-	-	-	-	-	-	-
Average	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Difference in Energy generated (GWh) at New Melones Dam : CP4B_2020 minus CONV_NA

Year Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922 Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923 Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1924 Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1925 Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1926 Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1927 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1928 Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1929 Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1930 Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1931 Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1932 Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1933 Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1934 Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1935 Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1936 Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937 Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1938 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939 Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1940 Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1941 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1942 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944 Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1945 Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1946 Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1947 Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1948 Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1949 Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1950 Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1951 Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1952 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954 Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955 Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1956 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1957 Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959 Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960 Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1961 Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1962 Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1963 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1964 Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1965 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1966 Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1967 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1968 Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972 Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1973 Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1974 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976 Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1977 Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1978 Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1979 Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1980 Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1981 Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985 Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1986 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1987 Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1988 Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1989 Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1990 Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1991 Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992 Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1993 Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1994 Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1995 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1996 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1998 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999 Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000 Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
2001 Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002 Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2003 Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
Average	0	0	0	0	0	0	0	0	0	0	0	0	0
Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
Critical	0	0	0	0	0	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy generated (GWh) at New Melones Dam : CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1923	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1924	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1925	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1926	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1927	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1928	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1929	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1930	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1931	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1932	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1933	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1934	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1935	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1936	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1937	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1938	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1940	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1942	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1944	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1945	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1946	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1947	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1948	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1949	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1950	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1951	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1955	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1956	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1958	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1960	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1961	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1962	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1963	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1964	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1965	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1966	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1968	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1969	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1972	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1973	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1977	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1978	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1979	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1980	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1982	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1986	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1987	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1988	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1989	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1990	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1992	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1993	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1995	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1998	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2001	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2002	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2003	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Average		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Wet		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Above Norm		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Below Norm		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Dry		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Critical		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Energy generated (GWh) at Nimbus Dam : CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	2.40	3.90	3.63	3.12	10.75	6.96	8.51	11.58	11.22	5.16	7.71	7.64	83
1923	Below Normal	3.73	5.33	11.86	9.40	5.62	5.55	6.99	8.90	5.48	10.58	5.28	4.85	84
1924	Critical	3.73	4.12	3.83	2.88	2.41	3.78	1.34	1.57	2.71	1.96	1.65	1.57	32
1925	Dry	1.43	1.03	3.37	3.09	8.74	10.58	3.86	7.82	10.05	6.90	1.74	5.37	64
1926	Dry	4.02	4.12	4.19	4.02	5.43	3.88	4.50	4.45	7.21	5.12	3.06	1.23	51
1927	Wet	4.07	3.40	3.16	6.23	9.68	9.46	11.41	9.36	10.35	10.03	6.19	4.20	88
1928	Above Normal	3.73	6.84	4.84	4.25	3.92	10.92	9.35	5.63	4.93	6.24	5.77	2.09	69
1929	Critical	3.73	3.71	3.46	2.59	0.97	1.50	1.84	2.97	4.46	4.32	3.73	2.83	36
1930	Dry	3.73	3.28	1.20	1.23	3.72	5.43	3.61	3.98	3.70	5.39	2.95	3.46	42
1931	Critical	3.73	3.92	3.64	2.74	3.01	1.49	3.35	1.36	3.69	3.03	1.84	2.12	34
1932	Dry	1.64	2.05	1.07	3.72	8.22	4.44	4.29	6.37	8.25	7.06	5.70	7.88	61
1933	Critical	5.79	6.74	3.78	2.84	0.97	1.90	8.02	1.33	5.71	5.14	3.80	1.95	48
1934	Critical	3.68	3.10	1.16	1.07	3.24	3.32	6.01	3.59	4.06	2.46	1.06	1.08	34
1935	Below Normal	1.92	1.03	3.35	2.93	3.16	2.63	11.37	9.05	6.78	7.62	4.40	7.96	62
1936	Below Normal	3.73	4.63	4.21	11.90	10.02	8.79	10.55	7.96	9.32	8.49	4.73	8.13	92
1937	Below Normal	3.73	4.12	4.07	3.77	6.83	9.19	8.43	7.66	4.25	6.77	5.05	7.95	72
1938	Wet	3.73	4.89	11.87	5.81	10.38	11.26	11.39	11.55	11.28	6.53	8.48	8.30	105
1939	Dry	3.73	4.50	4.26	3.19	1.30	2.23	4.45	3.81	3.05	5.95	2.75	1.00	40
1940	Above Normal	3.70	3.20	1.33	4.79	10.61	11.34	11.52	7.07	4.98	10.58	6.13	2.46	78
1941	Wet	6.61	5.16	4.44	11.16	10.61	10.13	7.35	10.02	6.16	5.90	6.62	8.08	92
1942	Wet	3.73	4.85	11.67	11.58	10.34	5.02	11.52	11.89	11.46	6.25	8.40	8.18	105
1943	Wet	3.73	8.40	9.70	11.29	10.67	11.05	10.29	6.37	4.23	9.54	5.81	5.45	97
1944	Dry	3.73	4.12	4.14	3.11	3.56	2.86	3.56	5.36	5.86	5.80	5.12	3.05	50
1945	Below Normal	3.73	3.70	3.45	2.59	10.52	4.22	4.64	6.37	6.82	9.29	4.56	3.89	64
1946	Below Normal	3.73	8.69	11.63	10.66	6.07	5.00	6.78	7.13	7.07	7.05	7.83	2.93	85
1947	Dry	3.73	4.62	4.09	3.07	3.50	4.69	4.32	4.32	3.72	5.84	3.86	2.40	48
1948	Below Normal	3.73	3.65	3.40	2.55	1.00	1.66	5.31	7.04	9.87	7.32	6.59	6.26	58
1949	Dry	3.73	4.12	4.18	3.14	5.08	3.48	6.30	5.47	6.90	6.62	6.54	2.12	58
1950	Below Normal	3.73	3.92	3.65	5.26	10.41	6.52	9.14	7.97	7.70	4.65	8.04	8.09	79
1951	Above Normal	5.57	9.72	9.88	11.42	10.59	7.86	5.88	6.90	6.15	10.58	5.43	3.61	94
1952	Wet	3.73	3.94	10.53	11.61	10.78	11.90	11.30	11.23	11.03	8.59	9.41	8.75	113
1953	Wet	3.73	5.01	5.42	11.83	4.29	3.57	4.89	6.02	11.52	8.28	7.20	8.15	80
1954	Above Normal	3.73	5.30	4.93	4.09	5.41	9.29	8.50	6.33	4.90	8.86	4.89	3.40	70
1955	Dry	3.73	3.51	3.21	2.43	3.36	2.79	2.71	5.38	3.66	4.78	3.30	2.28	41
1956	Wet	4.11	3.83	9.96	10.15	11.14	5.44	4.97	11.90	11.39	5.88	8.49	8.20	95
1957	Above Normal	3.73	4.76	4.43	3.33	6.18	9.36	4.04	5.42	7.63	10.58	5.65	4.78	70
1958	Wet	3.73	3.92	3.65	3.86	10.42	11.87	11.04	11.48	11.42	5.74	8.61	8.25	94
1959	Below Normal	3.73	4.12	4.23	3.17	5.74	3.98	2.78	3.86	5.29	8.82	1.07	1.01	48
1960	Dry	1.33	1.31	1.29	1.05	1.61	8.49	6.42	4.44	3.59	4.82	3.99	3.08	41
1961	Dry	3.73	3.61	3.34	2.51	0.97	1.56	2.26	3.64	2.80	8.00	1.05	1.10	35
1962	Below Normal	1.38	1.21	1.25	1.05	4.41	4.16	7.53	6.37	4.16	10.58	5.63	2.37	50
1963	Wet	5.82	8.76	7.02	8.47	10.09	4.20	11.51	11.86	6.63	8.23	6.37	5.14	94
1964	Dry	3.73	8.88	4.26	5.24	3.98	3.19	3.61	4.03	4.14	5.84	4.84	3.48	55
1965	Wet	3.73	3.61	9.01	10.82	10.11	4.57	10.06	8.19	5.97	10.58	3.63	7.98	88
1966	Below Normal	3.73	6.01	5.59	4.20	3.67	3.14	3.65	4.58	2.85	8.82	1.07	2.41	50
1967	Wet	3.01	1.06	3.54	11.90	8.43	11.90	8.03	11.72	11.03	7.77	8.49	8.62	96
1968	Below Normal	3.73	5.95	5.54	4.16	11.14	4.13	3.61	3.56	2.08	10.57	1.35	1.20	57
1969	Wet	3.73	3.61	3.62	10.45	10.43	7.29	11.51	11.61	11.51	5.41	8.22	8.22	96
1970	Wet	3.73	5.31	11.79	8.84	10.75	5.23	4.01	6.37	4.28	8.96	5.01	3.40	78
1971	Wet	3.73	3.63	9.46	9.91	7.50	7.26	5.56	6.06	9.64	8.06	5.55	7.85	84
1972	Below Normal	3.73	4.94	5.89	4.43	5.58	8.51	3.61	4.34	3.46	9.38	3.52	3.13	61
1973	Above Normal	3.73	3.84	5.59	11.56	10.69	7.27	5.33	7.44	7.42	10.58	2.53	3.61	80
1974	Wet	3.73	11.46	11.82	11.12	8.22	11.61	11.51	9.60	7.98	6.40	8.55	8.41	110
1975	Wet	3.73	4.12	4.25	4.16	6.56	9.61	6.16	8.07	11.52	5.63	8.00	8.00	80
1976	Critical	3.73	7.44	4.26	3.19	3.65	2.93	1.25	1.46	1.87	2.21	1.07	0.99	34
1977	Critical	3.73	3.61	1.35	1.05	0.95	1.05	1.02	0.67	1.86	2.08	0.48	0.74	19
1978	Above Normal	0.97	0.96	1.09	4.15	8.80	11.81	8.85	6.74	7.79	7.98	6.27	5.31	71
1979	Below Normal	3.73	4.08	4.13	4.46	6.78	7.14	4.68	7.08	8.19	6.84	1.85	4.02	63
1980	Above Normal	3.73	5.61	4.66	9.61	10.08	7.71	5.67	6.37	5.28	5.64	8.40	8.01	81
1981	Dry	3.73	4.12	4.25	3.19	3.72	3.09	3.50	4.27	3.58	8.89	0.99	0.91	44
1982	Wet	1.36	6.92	10.64	11.75	9.15	11.77	10.14	11.59	11.52	5.91	8.38	9.23	108
1983	Wet	4.32	11.36	11.59	11.79	9.90	10.07	11.49	11.40	10.21	11.88	9.89	10.05	124
1984	Wet	3.73	10.03	10.11	11.90	10.50	6.19	4.25	5.74	6.35	10.58	3.50	3.61	86
1985	Dry	3.73	9.28	5.23	4.26	3.67	2.63	4.43	4.82	5.78	5.08	4.46	1.21	55
1986	Wet	3.73	3.68	3.31	6.26	5.27	11.06	5.41	5.22	4.94	4.61	7.44	8.75	70
1987	Dry	3.73	4.18	4.21	3.16	1.20	1.75	2.50	3.42	3.78	4.01	2.14	1.68	36
1988	Critical	3.73	3.07	1.19	1.07	3.28	2.20	1.70	3.82	3.05	2.68	2.35	1.01	29
1989	Dry	1.33	1.03	1.24	3.51	0.97	11.74	7.70	6.63	7.85	6.43	5.13	2.01	56
1990	Critical	3.73	4.51	3.44	2.58	1.89	1.84	2.95	2.26	3.88	4.11	3.03	2.61	37
1991	Critical	3.73	3.17	1.31	1.05	0.95	1.06	4.14	3.21	2.66	6.50	5.19	2.92	36
1992	Critical	3.73	3.30	1.28	1.05	0.99	2.31	7.45	3.57	2.15	2.10	1.57	0.99	31
1993	Above Normal	1.33	1.07	1.09	5.84	10.75	11.83	7.72	10.72	10.31	7.36	6.37	6.39	81
1994	Critical	3.73	5.36	4.99	3.75	1.02	2.54	2.17	3.61	3.76	7.81	1.07	3.44	43
1995	Wet	1.35	1.02	1.21	11.22	9.10	9.99	11.46	11.20	11.05	9.68	8.98	8.75	95
1996	Wet	3.73	5.07	6.97	11.55	9.96	11.89	9.49	11.73	6.16	7.25	5.56	7.87	97
1997	Wet	3.73	7.42	10.50	6.02	10.74	3.25	3.61	5.20	4.47	10.43	2.15	3.32	71
1998	Wet	3.73	3.84	3.57	11.84	9.89	11.90	11.52	11.90	11.06	8.13	8.70	8.93	105
1999	Wet	3.73	8.17	7.22	11.90	10.18	9.38	6.16	8.27	8.40	8.39	4.40	8.36	95
2000	Above Normal	3.73	5.73	5.33	7.66	10.45	8.78	5.87	6.37	6.16	10.58	5.45	3.77	80
2001	Dry	3.70	3.34	1.35	1.06	2.85	2.23	2.24	4.42	2.67	1.93	1.26	0.99	28
2002	Dry	3.73	3.46	3.22	3.06	7.98	8.62	4.67	5.43	6.02	7.26	3.94	2.81	60
2003	Above Normal	3.73	3.65	3.39	5.10	6.17	2.60	6.61	9.75	6.94	10.58	2.52	1.98	63
Average		4	5	5	6	7	6	6	7	6	7	5	5	68
Wet		4	5	8	10	9	9	9	9	9	8	7	7	94
Above Normal		3	5	4	6	9	9	7	8	7	9	6	4	76
Below Normal		3	4	5	5	6	5	6	7	6	8	4	5	66
Dry		3	4	3	3	4	5	4	5	5	6	3	3	48
Critical		4	4	3	2	2	2	3	2	3	4	2	2	34

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Energy generated (GWh) at Nimbus Dam : CP4B_2020

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	2.40	3.90	3.63	3.12	10.75	6.96	8.51	11.58	11.22	5.16	7.71	7.64	83
1923	Below Normal	3.73	5.33	11.86	9.40	5.62	5.55	6.99	8.90	5.48	10.58	5.28	4.85	84
1924	Critical	3.73	4.12	3.83	2.88	2.41	3.78	1.34	1.57	2.71	1.96	1.65	1.57	32
1925	Dry	1.43	1.03	3.45	3.20	8.56	10.58	3.86	7.82	10.00	6.85	1.97	5.25	64
1926	Dry	4.02	4.12	4.26	4.11	5.27	4.39	4.00	4.45	7.20	5.11	3.06	2.60	53
1927	Wet	3.65	3.09	2.88	5.92	9.68	9.46	11.41	9.36	10.35	10.08	6.49	3.85	86
1928	Above Normal	3.73	6.84	4.81	3.78	4.34	10.91	9.35	5.63	4.93	6.18	5.78	2.09	68
1929	Critical	3.73	3.85	3.58	2.69	0.97	1.55	1.84	3.09	4.08	4.31	3.67	2.82	36
1930	Dry	3.73	3.28	1.20	1.23	3.72	5.44	3.61	3.62	3.60	6.61	2.48	2.90	41
1931	Critical	3.73	4.03	3.75	3.63	3.09	1.51	3.34	1.43	3.34	2.78	1.73	1.67	34
1932	Dry	3.23	1.03	1.07	3.66	7.88	4.44	4.29	6.37	8.27	7.07	5.70	7.88	61
1933	Critical	5.79	6.74	3.76	2.82	0.97	1.89	8.07	1.34	5.72	5.13	4.05	1.97	48
1934	Critical	3.71	3.12	1.16	1.07	2.90	3.20	3.64	4.01	2.41	1.06	1.58	34	
1935	Below Normal	2.49	1.03	3.34	2.93	3.16	2.62	11.44	9.06	6.77	7.63	4.39	7.96	63
1936	Below Normal	3.73	4.63	4.26	11.90	10.02	8.79	10.55	7.96	9.32	8.50	4.72	8.13	93
1937	Below Normal	3.73	4.12	4.18	3.91	6.60	9.19	8.43	7.66	4.25	6.77	5.04	7.95	72
1938	Wet	3.73	4.89	11.87	5.81	10.38	11.26	11.39	11.55	11.28	6.53	8.48	8.30	105
1939	Dry	3.73	4.50	4.26	3.19	3.55	2.95	2.89	2.86	3.46	3.75	2.29	0.99	38
1940	Above Normal	3.73	3.41	1.34	6.47	10.61	11.34	11.52	7.07	4.98	10.58	6.11	2.86	80
1941	Wet	8.42	4.37	4.29	10.13	10.61	10.13	7.35	10.02	6.16	5.90	6.62	8.08	92
1942	Wet	3.73	4.85	11.67	11.58	10.34	5.02	11.52	11.89	11.46	6.25	8.40	8.18	105
1943	Wet	3.73	8.40	9.70	11.29	10.67	11.05	10.29	6.37	4.23	9.54	5.81	5.45	97
1944	Dry	3.73	4.12	4.19	3.15	3.62	2.91	3.61	5.38	5.64	5.78	5.12	3.05	50
1945	Below Normal	3.73	3.71	3.45	2.59	10.52	4.22	4.64	6.37	6.82	9.08	4.76	3.90	64
1946	Below Normal	3.73	8.64	11.63	10.66	6.09	4.99	6.78	7.13	7.09	10.58	4.30	1.29	83
1947	Dry	3.73	5.66	4.13	3.10	3.72	4.97	4.36	4.32	4.34	5.41	3.81	2.45	50
1948	Below Normal	3.73	3.65	3.40	2.55	1.00	1.66	5.12	7.04	9.87	7.32	6.56	6.28	58
1949	Dry	3.73	4.12	3.83	2.88	5.21	3.96	6.30	5.45	6.87	7.05	7.15	2.79	59
1950	Below Normal	3.73	3.88	3.61	3.72	10.41	6.52	9.14	7.97	7.70	4.65	8.03	8.09	77
1951	Above Normal	5.55	9.71	9.88	11.42	10.59	7.86	5.88	6.90	5.48	10.58	5.43	2.07	91
1952	Wet	3.73	4.48	11.90	11.61	10.78	11.90	11.30	11.23	11.03	8.59	9.41	8.75	115
1953	Wet	3.73	5.01	5.42	11.83	4.29	3.57	4.89	6.02	11.52	8.28	7.20	8.15	80
1954	Above Normal	3.73	5.30	4.93	4.09	5.41	9.29	8.50	6.33	4.90	8.83	4.87	3.36	70
1955	Dry	3.73	3.60	3.30	2.50	1.83	2.77	2.94	5.44	3.94	5.30	4.05	2.10	42
1956	Wet	4.01	3.87	9.99	10.15	11.14	5.44	4.97	11.90	11.39	5.88	8.49	8.20	95
1957	Above Normal	3.73	4.76	4.43	3.33	6.18	9.36	4.04	5.42	7.63	10.58	5.60	4.63	70
1958	Wet	3.73	3.94	3.66	3.88	10.40	11.87	11.04	11.48	11.42	5.74	8.61	8.25	94
1959	Below Normal	3.73	4.12	4.23	3.17	5.74	3.98	2.86	3.95	5.26	8.82	1.07	1.01	48
1960	Dry	1.33	1.31	1.29	1.05	1.48	8.49	6.42	4.44	3.59	4.91	4.17	3.13	42
1961	Dry	3.73	3.64	3.38	2.52	0.96	1.57	2.30	3.67	2.84	7.78	1.05	1.10	35
1962	Below Normal	1.38	1.21	1.25	1.05	4.15	4.15	7.53	6.37	4.10	10.58	6.04	2.60	50
1963	Wet	5.23	8.76	7.02	8.47	10.09	4.28	11.52	11.86	6.63	8.07	6.37	5.14	93
1964	Dry	3.73	9.02	4.26	5.24	3.98	3.19	3.61	4.03	3.61	6.31	5.11	3.37	55
1965	Wet	3.73	3.97	9.07	10.82	10.11	4.57	10.06	8.19	5.97	10.58	3.63	7.98	89
1966	Below Normal	3.73	6.01	5.59	4.20	3.67	3.14	3.65	4.58	2.85	8.82	1.07	2.44	50
1967	Wet	3.01	1.06	1.98	11.86	8.43	11.90	8.03	11.72	11.03	7.77	8.49	8.62	94
1968	Below Normal	3.73	5.95	5.54	4.16	11.14	4.13	3.61	3.56	2.08	10.57	1.35	1.20	57
1969	Wet	3.73	3.63	3.38	10.42	10.43	7.29	11.51	11.61	11.51	5.41	8.22	8.22	95
1970	Wet	3.73	5.31	11.79	8.84	10.75	5.23	4.01	6.37	4.28	8.96	4.92	3.40	78
1971	Wet	3.73	3.66	9.53	9.91	7.56	7.20	5.56	6.06	9.64	8.06	5.55	7.85	84
1972	Below Normal	3.73	4.94	5.89	4.43	5.58	8.51	3.61	4.34	3.53	9.44	3.52	2.95	60
1973	Above Normal	3.73	3.91	5.55	11.56	10.69	7.27	5.33	7.44	7.42	10.58	2.53	3.61	80
1974	Wet	3.73	11.46	11.82	11.12	8.22	11.61	11.51	9.60	7.98	6.40	8.55	8.41	110
1975	Wet	3.73	4.12	4.25	4.16	6.56	9.61	6.16	8.07	11.52	5.62	8.00	8.00	80
1976	Critical	3.73	7.44	4.26	3.19	3.65	2.93	1.25	1.46	1.87	2.21	1.07	0.99	34
1977	Critical	3.73	3.61	1.35	1.05	0.95	1.05	1.02	0.67	1.86	2.07	0.48	0.74	19
1978	Above Normal	0.96	0.97	1.09	4.15	8.80	11.81	8.85	6.74	7.79	7.98	6.27	5.31	71
1979	Below Normal	3.73	4.12	4.24	4.31	6.78	7.14	4.88	6.89	8.63	7.06	1.55	3.69	63
1980	Above Normal	3.73	5.54	4.66	9.61	10.08	7.71	5.67	6.37	5.28	5.64	8.40	8.01	81
1981	Dry	3.73	4.12	4.25	3.19	3.72	3.09	3.50	4.27	3.59	8.89	0.99	0.91	44
1982	Wet	1.36	6.92	10.64	11.75	9.15	11.77	10.14	11.59	11.52	5.91	8.38	9.23	108
1983	Wet	4.32	11.36	11.59	11.79	9.90	10.07	11.49	11.40	10.21	11.88	9.89	10.05	124
1984	Wet	3.73	10.03	10.11	11.90	10.50	6.19	4.25	5.74	6.35	10.58	3.50	3.61	86
1985	Dry	3.73	9.28	5.23	4.26	3.67	3.05	4.39	4.77	5.59	5.06	4.46	1.29	55
1986	Wet	3.73	3.67	3.42	5.98	5.27	11.06	5.42	5.22	4.95	4.70	7.36	8.75	70
1987	Dry	3.73	4.18	4.21	3.16	1.20	1.75	2.55	3.41	3.64	4.03	2.19	1.71	36
1988	Critical	3.73	3.16	1.19	1.07	3.20	2.20	1.71	3.83	3.06	2.69	2.36	1.01	29
1989	Dry	1.33	1.03	3.43	3.17	2.77	11.90	7.70	6.73	7.87	6.47	4.96	2.83	60
1990	Critical	3.73	3.78	3.79	2.85	1.13	1.85	2.95	2.27	3.87	4.07	3.11	2.59	36
1991	Critical	3.73	3.17	1.31	1.05	0.95	1.06	4.14	3.21	2.66	6.44	5.20	2.95	36
1992	Critical	3.73	3.33	1.28	1.05	0.99	2.32	7.30	3.38	1.96	1.87	1.33	0.99	30
1993	Above Normal	1.31	1.07	1.09	6.81	10.75	11.83	7.72	10.72	10.31	7.36	6.37	6.39	82
1994	Critical	3.73	5.36	4.99	3.75	1.02	2.54	2.17	3.61	3.77	7.79	1.07	0.99	41
1995	Wet	3.44	1.03	1.22	11.18	9.10	9.99	11.46	11.20	11.05	9.68	8.98	8.75	97
1996	Wet	3.73	5.07	6.97	11.55	9.96	11.89	9.49	11.73	6.16	7.25	5.56	7.87	97
1997	Wet	3.73	7.42	10.50	6.02	10.74	3.25	3.61	5.20	4.55	10.34	2.16	3.32	71
1998	Wet	3.73	4.01	3.73	11.86	9.89	11.90	11.52	11.90	11.06	8.13	8.70	8.93	105
1999	Wet	3.73	8.17	7.22	11.90	10.18	9.38	6.16	8.27	8.40	8.39	4.41	8.36	95
2000	Above Normal	3.73	5.73	5.33	7.66	10.45	8.78	5.86	6.37	5.65	10.58	5.50	3.94	80
2001	Dry	3.70	3.42	1.35	1.06	2.90	2.24	2.26	4.43	2.69	1.96	1.27	0.99	28
2002	Dry	3.73	3.53	3.28	2.97	7.95	8.61	4.68	5.43	6.02	7.26	4.05	2.70	60
2003	Above Normal	3.73	3.65	3.50	5.01	6.18	2.59	6.61	9.75	6.94	10.58	2.52	1.98	63
Average		4	5	5	6	7	6	6	7	6	7	5	5	68
Wet		4	5	8	10	9	9	9	9	9	8	7	7	94
Above Normal		3	5	4	6	9	9	7	8	7	9	6	4	76
Below Normal		3	4	5	5	6	5	6	7	6	9	4	4	66
Dry		3	4	3	3	4	5	4	5	5	6	4	3	49
Critical		4	4	3	2	2	2	3	2	3	4	2	2	34

Difference in Energy generated (GWh) at Nimbus Dam : CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	0	0	0	1	-1	0	0	0	0	1	0
1927	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	0	0	0	0	0	0	1	0	-1	0
1931	Critical	0	0	0	1	0	0	0	0	0	0	0	0	0
1932	Dry	2	-1	0	0	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	1	0	0	0	0	1	0
1935	Below Norma	1	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	2	1	-2	-1	0	-2	0	0	0
1940	Above Norma	0	0	0	2	0	0	0	0	0	0	0	0	0
1941	Wet	2	-1	0	-1	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1945	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1946	Below Norma	0	0	0	0	0	0	0	0	0	4	-4	-2	0
1947	Dry	0	1	0	0	0	0	0	0	1	0	0	0	0
1948	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1949	Dry	0	0	0	0	0	0	0	0	0	0	1	1	0
1950	Below Norma	0	0	0	-2	0	0	0	0	0	0	0	0	0
1951	Above Norma	0	0	0	0	0	0	0	0	-1	0	0	-2	0
1952	Wet	0	1	1	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	-2	0	0	0	0	1	1	0	0
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1961	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1963	Wet	-1	0	0	0	0	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	0	0	0	-1	0	0	0	0
1965	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1966	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	-2	0	0	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	Dry	0	0	2	0	2	0	0	0	0	0	0	1	0
1990	Critical	0	-1	0	0	-1	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	Above Norma	0	0	0	1	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	-2	0
1995	Wet	2	0	0	0	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	-1	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Below Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Dry		0	0	0	0	0	0	0	0	0	0	0	0	0
Critical		0	0	0	0	0	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy generated (GWh) at Nimbus Dam : CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1923	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1924	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1925	Dry	0%	0%	2%	4%	-2%	0%	0%	0%	0%	-1%	13%	-2%
1926	Dry	0%	0%	2%	2%	-3%	13%	-11%	0%	0%	0%	0%	112%
1927	Wet	-10%	-9%	-9%	-5%	0%	0%	0%	0%	0%	0%	5%	-8%
1928	Above Norma	0%	0%	-1%	-11%	11%	0%	0%	0%	0%	-1%	0%	0%
1929	Critical	0%	4%	4%	4%	0%	4%	0%	4%	-8%	0%	-2%	0%
1930	Dry	0%	0%	0%	0%	0%	0%	0%	-9%	-3%	23%	-16%	-16%
1931	Critical	0%	3%	3%	33%	3%	1%	0%	5%	-10%	-8%	-6%	-21%
1932	Dry	97%	-50%	0%	-2%	-4%	0%	0%	0%	0%	0%	0%	0%
1933	Critical	0%	0%	-1%	-1%	0%	0%	1%	1%	0%	0%	7%	1%
1934	Critical	1%	1%	0%	0%	-10%	-4%	9%	1%	-1%	-2%	0%	46%
1935	Below Norma	30%	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%
1936	Below Norma	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1937	Below Norma	0%	0%	3%	3%	-3%	0%	0%	0%	0%	0%	0%	0%
1938	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	173%	32%	-35%	-25%	13%	-37%	-17%	0%
1940	Above Norma	1%	6%	1%	35%	0%	0%	0%	0%	0%	0%	0%	16%
1941	Wet	27%	-15%	-3%	-9%	0%	0%	0%	0%	0%	0%	0%	0%
1942	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1944	Dry	0%	0%	1%	1%	2%	2%	1%	0%	-4%	0%	0%	0%
1945	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	-2%	4%	0%
1946	Below Norma	0%	-1%	0%	0%	0%	0%	0%	0%	0%	50%	-45%	-56%
1947	Dry	0%	23%	1%	1%	6%	6%	1%	0%	17%	-7%	-1%	2%
1948	Below Norma	0%	0%	0%	0%	0%	0%	-4%	0%	0%	0%	0%	0%
1949	Dry	0%	0%	-8%	-8%	3%	14%	0%	0%	0%	6%	9%	32%
1950	Below Norma	0%	-1%	-1%	-29%	0%	0%	0%	0%	0%	0%	0%	0%
1951	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	-11%	0%	0%	-43%
1952	Wet	0%	14%	13%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%
1955	Dry	0%	3%	3%	3%	-45%	-1%	9%	1%	8%	11%	23%	-8%
1956	Wet	-3%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	-3%
1958	Wet	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	0%	0%	0%	0%	3%	2%	-1%	0%	0%	0%
1960	Dry	0%	0%	0%	0%	-8%	0%	0%	0%	0%	2%	4%	1%
1961	Dry	0%	1%	1%	1%	-1%	1%	2%	1%	1%	-3%	0%	0%
1962	Below Norma	0%	0%	0%	0%	-6%	0%	0%	0%	-1%	0%	7%	10%
1963	Wet	-10%	0%	0%	0%	0%	2%	0%	0%	0%	-2%	0%	0%
1964	Dry	0%	2%	0%	0%	0%	0%	0%	0%	-13%	8%	6%	-3%
1965	Wet	0%	10%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1966	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%
1967	Wet	0%	0%	-44%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1968	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1969	Wet	0%	0%	-7%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-2%	0%
1971	Wet	0%	1%	1%	0%	1%	-1%	0%	0%	0%	0%	0%	0%
1972	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	2%	1%	0%	-6%
1973	Above Norma	0%	2%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1977	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1978	Above Norma	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1979	Below Norma	0%	1%	3%	-3%	0%	0%	4%	-3%	5%	3%	-17%	-8%
1980	Above Norma	0%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1982	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	16%	-1%	-1%	-3%	0%	0%	6%
1986	Wet	0%	0%	3%	-4%	0%	0%	0%	0%	0%	2%	-1%	0%
1987	Dry	0%	0%	0%	0%	0%	0%	2%	0%	-4%	0%	2%	2%
1988	Critical	0%	3%	0%	0%	-2%	0%	0%	0%	0%	0%	0%	0%
1989	Dry	0%	0%	176%	-10%	187%	1%	0%	2%	0%	1%	-3%	41%
1990	Critical	0%	-16%	10%	10%	-40%	0%	0%	1%	0%	-1%	3%	-1%
1991	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	0%	1%
1992	Critical	0%	1%	0%	0%	0%	0%	-2%	-5%	-9%	-11%	-16%	-1%
1993	Above Norma	-1%	0%	0%	17%	0%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-71%
1995	Wet	155%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	0%	0%	2%	-1%	0%	0%
1998	Wet	0%	5%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	-8%	0%	1%	5%
2001	Dry	0%	2%	0%	0%	1%	0%	1%	0%	1%	2%	1%	0%
2002	Dry	0%	2%	2%	-3%	0%	0%	0%	0%	0%	0%	3%	-4%
2003	Above Norma	0%	0%	3%	-2%	0%	0%	0%	0%	0%	0%	0%	0%
Average		3%	0%	2%	0%	3%	1%	0%	0%	0%	0%	0%	0%
Wet		6%	0%	-2%	-1%	0%	0%	0%	0%	0%	0%	0%	0%
Above Norma		0%	1%	0%	3%	1%	0%	0%	0%	-2%	0%	0%	-2%
Below Norma		2%	0%	0%	-2%	-1%	0%	0%	0%	4%	4%	-4%	-4%
Dry		5%	-1%	10%	-1%	17%	5%	-2%	-2%	1%	0%	1%	9%
Critical		0%	0%	1%	4%	-4%	0%	1%	1%	-2%	-2%	-1%	-4%

Energy generated (GWh) at O'Neill: CONV_NA

Year Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922 Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1923 Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.09	1.80	0.00	0.00	0.00	4
1924 Critical	0.00	0.00	0.00	0.00	0.19	0.50	0.12	1.48	3.20	1.27	3.61	0.88	11
1925 Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.72	3.50	1.37	4.83	0.00	10
1926 Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.14	4.95	2.82	5.04	1.99	18
1927 Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.06	1.75	1.18	0.00	0.00	5
1928 Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.20	1.66	3.84	0.00	0.00	7
1929 Critical	0.00	0.00	0.00	0.00	0.00	0.60	1.69	2.37	4.58	2.46	4.75	0.00	16
1930 Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.08	1.34	4.18	4.76	3.47	0.00	14
1931 Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.91	1.37	3.26	0.85	3.74	0.00	10
1932 Dry	0.00	0.00	0.00	0.00	0.00	0.92	0.41	2.22	1.88	1.19	0.00	0.00	7
1933 Critical	0.00	0.00	0.00	0.00	0.00	0.93	0.88	1.76	3.21	0.85	2.33	0.00	10
1934 Critical	0.00	0.00	0.00	0.00	0.00	0.55	0.99	2.15	3.42	1.55	3.84	0.77	13
1935 Below Normal	0.91	0.00	0.00	0.00	0.00	0.00	0.00	3.66	1.43	3.23	1.48	0.00	11
1936 Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.90	1.89	1.24	0.00	5
1937 Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.84	3.36	1.88	0.00	9
1938 Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1939 Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.19	2.18	2.11	1.40	1.70	0.00	8
1940 Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.97	1.51	3.30	0.00	0.00	6
1941 Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1942 Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.48	0.00	0.00	0.00	0.00	0
1943 Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00	0.00	0.00	0.00	2
1944 Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.17	1.49	2.61	2.56	2.84	0.00	10
1945 Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.41	1.84	0.00	0.00	0.00	3
1946 Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.98	1.54	1.40	0.00	0.00	4
1947 Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.29	3.98	1.21	1.00	1.48	0.00	8
1948 Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.97	1.64	0.00	0.00	0.00	4
1949 Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.54	1.97	1.64	0.00	0.00	0.00	4
1950 Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.84	0.89	2.46	0.00	0.00	6
1951 Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.02	2.57	2.30	0.00	0.00	8
1952 Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1953 Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.24	1.71	0.00	0.00	0.00	3
1954 Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.06	1.75	4.18	0.00	0.00	8
1955 Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.53	1.39	2.45	0.20	5.16	0.00	10
1956 Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1957 Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.37	1.87	0.21	0.00	0.00	3
1958 Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1959 Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.32	1.63	1.70	0.00	0.00	0.00	4
1960 Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.22	1.23	1.38	1.55	1.40	0.00	6
1961 Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.82	2.70	1.50	0.00	0.00	0.00	5
1962 Below Normal	1.00	0.00	0.00	0.00	0.00	0.00	0.00	3.15	1.52	0.00	0.00	0.00	6
1963 Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.41	1.91	1.66	0.00	0.00	5
1964 Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.17	1.45	1.71	1.55	1.98	0.00	7
1965 Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.08	1.78	0.00	0.00	0.00	4
1966 Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.75	2.66	0.00	0.00	0.00	6
1967 Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1968 Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.66	1.74	0.00	0.00	0.00	3
1969 Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1970 Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.89	2.42	4.01	0.00	0.00	9
1971 Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00	1.68	0.18	0.00	0.00	4
1972 Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.61	4.35	2.73	0.96	0.00	0.00	9
1973 Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.66	1.57	0.00	0.00	0.00	3
1974 Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.80	1.14	0.00	0.00	0.00	2
1975 Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.10	1.75	0.00	0.00	0.00	4
1976 Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.62	3.12	4.51	2.66	5.00	0.91	17
1977 Critical	0.00	0.00	0.00	0.00	0.00	0.52	0.92	2.05	3.29	0.00	0.83	0.00	8
1978 Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1979 Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.70	0.00	0.00	0.00	2
1980 Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1981 Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.77	1.96	0.00	0.00	0.00	4
1982 Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1983 Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1984 Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.41	2.80	0.40	0.00	0.00	8
1985 Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.39	1.99	1.71	0.00	0.00	0.00	4
1986 Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.77	0.00	0.00	7
1987 Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.62	1.68	2.01	0.00	4.73	0.00	9
1988 Critical	0.00	0.00	0.00	0.00	0.00	1.21	0.35	2.03	2.90	0.78	4.95	0.00	12
1989 Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.38	0.90	0.38	1.15	0.00	4
1990 Critical	0.00	0.00	0.00	0.00	0.00	0.00	1.50	1.88	4.37	1.68	4.36	0.10	14
1991 Critical	0.00	0.00	0.00	0.00	0.00	0.00	1.07	1.23	3.56	0.40	2.78	0.00	9
1992 Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.39	3.13	2.33	4.48	0.00	12
1993 Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.77	0.00	0.00	0.00	0.00	2
1994 Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.39	1.80	2.34	0.00	0.00	0.00	5
1995 Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1996 Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.77	0.00	0.00	0.00	3
1997 Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.03	1.71	0.00	0.00	0.00	3
1998 Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1999 Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.03	1.75	0.00	0.00	0.00	5
2000 Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.80	1.89	2.49	0.00	0.00	7
2001 Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.17	1.29	3.32	1.24	4.03	0.58	11
2002 Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00	1.68	0.00	0.00	0.00	4
2003 Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.82	2.00	4.06	0.00	0.00	8
Average	0	0	0	0	0	0	0	2	2	1	1	0	6
Wet	0	0	0	0	0	0	0	1	1	1	0	0	2
Above Normal	0	0	0	0	0	0	0	1	1	2	0	0	4
Below Normal	0	0	0	0	0	0	0	2	2	1	0	0	5
Dry	0	0	0	0	0	0	0	2	2	1	2	0	8
Critical	0	0	0	0	0	0	1	2	3	1	3	0	11

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Energy generated (GWh) at O'Neill: CP4B_2020

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1923	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.09	1.80	0.00	0.00	0.00	4
1924	Critical	0.00	0.00	0.00	0.00	0.19	0.50	0.12	1.48	3.20	1.27	3.61	0.88	11
1925	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.71	3.54	1.42	4.56	0.00	10
1926	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.19	4.96	2.81	5.03	0.60	17
1927	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.71	1.75	1.06	0.00	0.00	6
1928	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.20	1.65	3.98	0.00	0.00	7
1929	Critical	0.00	0.00	0.00	0.00	0.00	0.54	1.68	2.25	4.71	2.43	4.73	0.00	16
1930	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.06	1.35	4.26	2.27	5.34	0.00	13
1931	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.91	1.36	3.26	0.91	3.67	0.00	10
1932	Dry	0.00	0.00	0.00	0.00	0.00	0.91	0.41	2.20	1.85	1.15	0.00	0.00	7
1933	Critical	0.00	0.00	0.00	0.00	0.00	0.93	0.88	1.76	3.21	0.85	2.33	0.00	10
1934	Critical	0.00	0.00	0.00	0.00	0.00	0.55	0.98	2.13	3.39	1.52	3.82	1.10	13
1935	Below Normal	0.87	0.00	0.00	0.00	0.00	0.00	0.00	3.66	1.44	3.22	1.37	0.00	11
1936	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.90	1.88	1.25	0.00	5
1937	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.81	3.33	1.86	0.00	9
1938	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1939	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.08	1.40	2.82	3.08	2.83	0.00	10
1940	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.16	1.74	3.47	0.00	0.00	6
1941	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1942	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.48	0.00	0.00	0.00	0.00	0
1943	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00	0.00	0.00	0.00	2
1944	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.17	1.48	2.63	2.60	2.84	0.00	10
1945	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.62	1.84	0.00	0.00	0.00	3
1946	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.98	1.54	0.00	0.00	0.00	3
1947	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.21	3.86	1.85	1.79	2.06	0.00	10
1948	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.98	1.65	0.00	0.00	0.00	4
1949	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.54	2.09	1.80	0.00	0.00	0.00	4
1950	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.31	0.85	3.33	0.00	0.00	5
1951	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.35	1.85	3.23	0.00	0.00	6
1952	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1953	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.24	1.71	0.00	0.00	0.00	3
1954	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.06	1.75	4.21	0.00	0.00	8
1955	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.42	1.38	1.74	0.00	4.47	0.00	8
1956	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1957	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.37	1.87	0.21	0.00	0.00	3
1958	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1959	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.32	1.63	1.70	0.00	0.00	0.00	4
1960	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.22	2.18	1.64	0.82	0.80	0.00	6
1961	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.81	2.68	1.48	0.00	0.00	0.00	5
1962	Below Normal	0.09	0.00	0.00	0.00	0.00	0.00	0.00	3.65	1.63	0.00	0.00	0.00	5
1963	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.41	1.91	1.42	0.00	0.00	5
1964	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.06	2.69	2.64	0.49	1.11	0.00	7
1965	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.08	1.78	0.00	0.00	0.00	4
1966	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.75	2.66	0.00	0.00	0.00	6
1967	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1968	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.66	1.74	0.00	0.00	0.00	3
1969	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1970	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.89	2.42	4.01	0.00	0.00	9
1971	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00	1.68	0.18	0.00	0.00	4
1972	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.61	4.35	2.39	0.99	0.00	0.00	8
1973	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.66	1.57	0.00	0.00	0.00	3
1974	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.80	1.14	0.00	0.00	0.00	2
1975	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.06	1.75	0.00	0.00	0.00	4
1976	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.62	3.12	4.51	2.66	5.00	0.91	17
1977	Critical	0.00	0.00	0.00	0.00	0.00	0.52	0.92	2.05	3.29	0.00	0.82	0.00	8
1978	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1979	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.77	0.00	0.00	0.00	2
1980	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1981	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.77	1.95	0.00	0.00	0.00	4
1982	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1983	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1984	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.41	2.80	0.40	0.00	0.00	8
1985	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.46	2.10	2.58	0.00	0.00	0.00	5
1986	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.72	0.00	0.00	7
1987	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.60	1.73	2.11	0.00	4.82	0.00	9
1988	Critical	0.00	0.00	0.00	0.00	0.00	1.20	0.35	2.03	2.91	0.80	4.95	0.00	12
1989	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.50	1.77	1.49	2.08	0.00	7
1990	Critical	0.00	0.00	0.00	0.00	0.00	0.00	1.50	1.88	4.37	1.98	4.36	0.10	14
1991	Critical	0.00	0.00	0.00	0.00	0.00	0.00	1.07	1.23	3.57	0.40	2.78	0.00	9
1992	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.36	3.09	2.35	4.39	0.00	12
1993	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.76	0.00	0.00	0.00	0.00	2
1994	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.39	1.80	2.35	0.00	0.00	0.00	5
1995	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1996	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.47	0.00	0.00	0.00	2
1997	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.80	1.71	0.00	0.00	0.00	3
1998	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1999	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.03	1.75	0.00	0.00	0.00	5
2000	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.80	1.89	2.50	0.00	0.00	7
2001	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.17	1.28	3.36	1.29	4.00	0.65	11
2002	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.01	1.69	0.00	0.00	0.00	4
2003	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.82	2.01	4.06	0.00	0.00	8
Average		0	0	0	0	0	0	0	2	2	1	1	0	6
Wet		0	0	0	0	0	0	0	1	1	1	0	0	2
Above Normal		0	0	0	0	0	0	0	1	1	2	0	0	4
Below Normal		0	0	0	0	0	0	0	2	2	1	0	0	5
Dry		0	0	0	0	0	0	0	2	2	1	2	0	8
Critical		0	0	0	0	0	0	1	2	3	1	3	0	11

Difference in Energy generated (GWh) at O'Neill: CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	0	0	0	0	0	0	0	0	0	-1	0
1927	Wet	0	0	0	0	0	0	0	1	0	0	0	0	0
1928	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	0	0	0	0	0	0	-2	2	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1932	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1935	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	0	-1	1	2	1	0	0
1940	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1945	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1946	Below Norma	0	0	0	0	0	0	0	0	0	-1	0	0	0
1947	Dry	0	0	0	0	0	0	0	0	1	1	1	0	0
1948	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1949	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Norma	0	0	0	0	0	0	0	-2	0	1	0	0	0
1951	Above Norma	0	0	0	0	0	0	0	-2	-1	1	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	-1	0	-1	0	0
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	1	0	-1	-1	0	0
1961	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Norma	-1	0	0	0	0	0	0	0	0	0	0	0	0
1963	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	0	0	1	1	-1	-1	0	0
1965	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1966	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	1	0	0	0	0
1986	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	Dry	0	0	0	0	0	0	0	0	1	1	1	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Below Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Dry		0	0	0	0	0	0	0	0	0	0	0	0	0
Critical		0	0	0	0	0	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy generated (GWh) at O'Neill: CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	-	-	-	-	-	-	-	-	-	-	-	-
1923	Below Norma	-	-	-	-	-	-	-	0%	0%	-	-	-
1924	Critical	-	-	-	-	0%	0%	0%	0%	0%	0%	0%	0%
1925	Dry	-	-	-	-	-	-	-	-1%	1%	4%	-6%	-
1926	Dry	-	-	-	-	-	-	-	-2%	0%	0%	0%	-70%
1927	Wet	-	-	-	-	-	-	-	32%	0%	-10%	-	-
1928	Above Norma	-	-	-	-	-	-	-	0%	0%	4%	-	-
1929	Critical	-	-	-	-	-	-10%	-1%	-5%	3%	-1%	0%	-
1930	Dry	-	-	-	-	-	-	-19%	1%	2%	-52%	54%	-
1931	Critical	-	-	-	-	-	-	0%	0%	0%	8%	-2%	-
1932	Dry	-	-	-	-	-	-1%	-2%	-1%	-2%	-3%	-	-
1933	Critical	-	-	-	-	-	0%	0%	0%	0%	0%	0%	-
1934	Critical	-	-	-	-	-	-1%	-1%	-1%	-1%	-2%	-1%	43%
1935	Below Norma	-5%	-	-	-	-	-	-	0%	1%	0%	-8%	-
1936	Below Norma	-	-	-	-	-	-	-	-	0%	0%	1%	-
1937	Below Norma	-	-	-	-	-	-	-	-	-1%	-1%	-1%	-
1938	Wet	-	-	-	-	-	-	-	-	-	-	-	-
1939	Dry	-	-	-	-	-	-	-59%	-36%	33%	120%	66%	-
1940	Above Norma	-	-	-	-	-	-	-	19%	16%	5%	-	-
1941	Wet	-	-	-	-	-	-	-	-	-	-	-	-
1942	Wet	-	-	-	-	-	-	-	0%	-	-	-	-
1943	Wet	-	-	-	-	-	-	-	-	0%	-	-	-
1944	Dry	-	-	-	-	-	-	-1%	0%	1%	2%	0%	-
1945	Below Norma	-	-	-	-	-	-	-	15%	0%	-	-	-
1946	Below Norma	-	-	-	-	-	-	-	0%	0%	-100%	-	-
1947	Dry	-	-	-	-	-	-	-28%	-3%	53%	79%	39%	-
1948	Below Norma	-	-	-	-	-	-	-	0%	0%	-	-	-
1949	Dry	-	-	-	-	-	-	0%	6%	10%	-	-	-
1950	Below Norma	-	-	-	-	-	-	-	-54%	-5%	35%	-	-
1951	Above Norma	-	-	-	-	-	-	-	-55%	-28%	40%	-	-
1952	Wet	-	-	-	-	-	-	-	-	-	-	-	-
1953	Wet	-	-	-	-	-	-	-	0%	0%	-	-	-
1954	Above Norma	-	-	-	-	-	-	-	0%	0%	1%	-	-
1955	Dry	-	-	-	-	-	-	-20%	-1%	-29%	-100%	-13%	-
1956	Wet	-	-	-	-	-	-	-	-	-	-	-	-
1957	Above Norma	-	-	-	-	-	-	-	0%	0%	0%	-	-
1958	Wet	-	-	-	-	-	-	-	-	-	-	-	-
1959	Below Norma	-	-	-	-	-	-	0%	0%	0%	-	-	-
1960	Dry	-	-	-	-	-	-	-1%	76%	18%	-47%	-43%	-
1961	Dry	-	-	-	-	-	-	-1%	-1%	-1%	-	-	-
1962	Below Norma	-91%	-	-	-	-	-	-	16%	7%	-	-	-
1963	Wet	-	-	-	-	-	-	-	0%	0%	-15%	-	-
1964	Dry	-	-	-	-	-	-	-61%	85%	55%	-69%	-44%	-
1965	Wet	-	-	-	-	-	-	-	0%	0%	-	-	-
1966	Below Norma	-	-	-	-	-	-	-	0%	0%	-	-	-
1967	Wet	-	-	-	-	-	-	-	-	-	-	-	-
1968	Below Norma	-	-	-	-	-	-	-	0%	0%	-	-	-
1969	Wet	-	-	-	-	-	-	-	-	-	-	-	-
1970	Wet	-	-	-	-	-	-	-	0%	0%	0%	-	-
1971	Wet	-	-	-	-	-	-	-	0%	0%	-1%	-	-
1972	Below Norma	-	-	-	-	-	-	0%	0%	-12%	3%	-	-
1973	Above Norma	-	-	-	-	-	-	-	0%	0%	-	-	-
1974	Wet	-	-	-	-	-	-	-	0%	0%	-	-	-
1975	Wet	-	-	-	-	-	-	-	-2%	0%	-	-	-
1976	Critical	-	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1977	Critical	-	-	-	-	-	0%	0%	0%	0%	-	0%	-
1978	Above Norma	-	-	-	-	-	-	-	-	-	-	-	-
1979	Below Norma	-	-	-	-	-	-	-	-	4%	-	-	-
1980	Above Norma	-	-	-	-	-	-	-	-	-	-	-	-
1981	Dry	-	-	-	-	-	-	-	0%	0%	-	-	-
1982	Wet	-	-	-	-	-	-	-	-	-	-	-	-
1983	Wet	-	-	-	-	-	-	-	-	-	-	-	-
1984	Wet	-	-	-	-	-	-	-	0%	0%	0%	-	-
1985	Dry	-	-	-	-	-	-	18%	5%	50%	-	-	-
1986	Wet	-	-	-	-	-	-	-	-	-	-1%	-	-
1987	Dry	-	-	-	-	-	-	-2%	3%	5%	-	2%	-
1988	Critical	-	-	-	-	-	0%	0%	0%	0%	2%	0%	-
1989	Dry	-	-	-	-	-	-	-	8%	96%	288%	80%	-
1990	Critical	-	-	-	-	-	-	0%	0%	0%	18%	0%	-2%
1991	Critical	-	-	-	-	-	-	0%	0%	0%	2%	0%	-
1992	Critical	-	-	-	-	-	-	-	-1%	-1%	1%	-2%	-
1993	Above Norma	-	-	-	-	-	-	-	-1%	-	-	-	-
1994	Critical	-	-	-	-	-	-	0%	0%	0%	-	-	-
1995	Wet	-	-	-	-	-	-	-	-	-	-	-	-
1996	Wet	-	-	-	-	-	-	-	-	-11%	-	-	-
1997	Wet	-	-	-	-	-	-	-	-22%	0%	-	-	-
1998	Wet	-	-	-	-	-	-	-	-	-	-	-	-
1999	Wet	-	-	-	-	-	-	-	0%	0%	-	-	-
2000	Above Norma	-	-	-	-	-	-	-	0%	0%	0%	-	-
2001	Dry	-	-	-	-	-	-	-1%	-1%	1%	4%	-1%	12%
2002	Dry	-	-	-	-	-	-	-	0%	0%	-	-	-
2003	Above Norma	-	-	-	-	-	-	-	0%	0%	0%	-	-
<hr/>													
Average		-48%	#DIV/0!	#DIV/0!	#DIV/0!	0%	-2%	-7%	1%	4%	5%	5%	-3%
Wet		0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	0%	0%
Above Norma		0%	0%	0%	0%	0%	0%	0%	-3%	-1%	4%	0%	0%
Below Norma		-7%	0%	0%	0%	0%	0%	-2%	0%	0%	-5%	-1%	0%
Dry		0%	0%	0%	0%	0%	0%	-10%	8%	16%	13%	8%	-3%
Critical		0%	0%	0%	0%	0%	-1%	0%	-1%	0%	2%	0%	3%

Difference in Energy generated (GWh) at Shasta Dam : CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	3	3	4	3	3	0	3	4	7	-5	8	4	3
1923	Below Norma	3	-2	1	-1	4	4	4	-7	-6	1	-6	0	0
1924	Critical	-1	-2	1	1	18	5	4	15	24	26	23	59	14
1925	Dry	11	6	7	0	1	0	4	5	1	19	11	5	6
1926	Dry	7	6	5	4	3	3	2	20	11	13	21	13	9
1927	Wet	16	3	2	0	37	7	16	22	24	214	-2	-14	27
1928	Above Norma	0	-41	-1	-25	3	-113	41	24	37	3	4	6	-5
1929	Critical	5	7	7	39	3	-1	6	7	4	13	9	4	9
1930	Dry	6	5	-3	3	6	6	4	5	8	9	10	3	5
1931	Critical	5	4	4	4	3	5	8	8	24	13	11	14	9
1932	Dry	4	6	7	3	5	4	6	2	8	10	8	6	6
1933	Critical	6	5	5	5	5	4	5	6	8	10	10	14	7
1934	Critical	8	6	5	7	5	5	5	4	10	12	11	-3	6
1935	Below Norma	7	7	6	7	4	4	3	4	7	9	8	4	6
1936	Below Norma	5	4	4	3	3	3	3	4	5	7	3	8	4
1937	Below Norma	5	5	4	3	3	3	12	3	5	5	6	-3	4
1938	Wet	5	-28	-57	7	48	54	18	16	22	24	16	12	11
1939	Dry	12	8	7	5	4	36	20	6	53	-65	24	17	11
1940	Above Norma	26	30	4	2	43	55	5	14	13	16	12	-16	17
1941	Wet	16	22	1	55	50	19	23	27	22	20	20	14	24
1942	Wet	11	7	29	30	49	7	14	10	20	17	24	14	19
1943	Wet	11	9	9	20	11	20	10	19	23	23	17	20	16
1944	Dry	6	8	7	5	5	5	8	8	42	23	30	2	12
1945	Below Norma	5	5	5	3	-1	4	4	5	-7	21	15	6	5
1946	Below Norma	-14	-8	50	12	13	5	10	12	14	56	15	8	14
1947	Dry	28	4	4	1	6	0	4	7	-10	20	18	-2	7
1948	Below Norma	16	6	6	5	-3	3	3	-37	-31	18	29	29	4
1949	Dry	-7	8	7	5	25	9	6	10	14	20	10	16	10
1950	Below Norma	6	6	6	7	6	3	4	7	6	14	18	-4	7
1951	Above Norma	42	-84	26	12	23	9	35	7	17	18	13	6	10
1952	Wet	0	17	-16	13	28	18	32	20	18	21	19	14	15
1953	Wet	11	8	15	55	5	5	20	4	23	14	26	14	17
1954	Above Norma	11	11	7	22	26	15	20	27	6	17	15	5	15
1955	Dry	24	17	4	4	28	-25	11	12	26	45	9	3	13
1956	Wet	2	4	45	56	52	6	6	23	22	19	15	14	22
1957	Above Norma	12	8	8	5	12	16	16	9	23	22	27	17	15
1958	Wet	-19	11	16	20	49	40	18	14	23	23	20	15	19
1959	Below Norma	12	8	8	14	20	17	10	10	29	4	15	25	14
1960	Dry	15	54	9	1	2	4	4	4	6	20	4	-2	10
1961	Dry	5	7	6	-4	-44	-35	12	21	16	17	-90	25	-5
1962	Below Norma	28	37	4	-3	64	6	10	16	18	18	67	-22	20
1963	Wet	12	-11	-11	7	10	41	28	11	22	17	15	12	13
1964	Dry	11	14	7	9	36	3	16	9	23	41	18	-10	15
1965	Wet	3	3	-55	55	4	26	-10	33	-15	39	31	39	13
1966	Below Norma	-15	-29	-7	24	8	22	14	19	27	22	55	-9	11
1967	Wet	-4	10	-10	15	10	26	18	34	23	21	20	14	15
1968	Below Norma	12	8	7	5	20	6	12	11	18	15	25	3	12
1969	Wet	10	8	-6	12	49	9	22	27	23	20	15	13	17
1970	Wet	12	8	25	56	20	5	13	10	20	-29	49	5	16
1971	Wet	18	4	7	23	41	-13	8	20	22	26	14	12	15
1972	Below Norma	12	8	7	6	8	21	18	18	-30	36	48	15	14
1973	Above Norma	-4	18	-7	23	27	11	8	13	24	50	-12	16	14
1974	Wet	-6	54	50	56	7	54	9	14	22	17	20	15	26
1975	Wet	12	8	7	7	8	41	6	18	23	18	18	15	15
1976	Critical	13	8	7	46	212	-3	-4	-17	-47	2	-9	4	18
1977	Critical	-11	8	6	9	92	-2	14	-1	0	-30	-75	20	3
1978	Above Norma	9	10	9	0	-81	-6	12	23	24	20	15	5	3
1979	Below Norma	10	8	7	6	33	3	7	10	21	20	8	16	13
1980	Above Norma	4	-12	6	-10	51	5	28	9	11	12	9	25	11
1981	Dry	25	-7	1	3	4	-35	6	15	1	80	19	-53	5
1982	Wet	10	3	56	11	48	20	29	7	19	22	16	14	21
1983	Wet	12	10	22	31	50	55	13	18	28	24	21	16	25
1984	Wet	12	19	56	9	7	18	21	13	23	17	14	44	21
1985	Dry	-41	1	10	41	4	0	9	12	79	9	5	-7	10
1986	Wet	-12	5	4	3	41	43	17	23	11	26	24	3	16
1987	Dry	14	11	1	0	-1	3	9	8	3	1	84	5	11
1988	Critical	-33	4	3	-1	3	5	9	6	14	18	8	7	4
1989	Dry	7	3	9	4	3	2	35	5	-3	3	-7	5	6
1990	Critical	5	9	0	0	10	3	6	3	8	9	7	4	5
1991	Critical	5	4	4	4	3	3	3	6	8	10	8	6	5
1992	Critical	5	5	4	4	2	0	5	13	18	16	-19	27	7
1993	Above Norma	14	12	5	5	4	2	-9	-105	23	27	11	14	0
1994	Critical	10	8	7	30	3	6	8	20	-17	10	136	7	19
1995	Wet	9	3	3	-129	10	54	12	27	22	23	19	14	6
1996	Wet	11	18	-2	5	50	15	16	14	21	21	14	13	16
1997	Wet	11	11	56	56	6	6	39	11	13	20	22	6	21
1998	Wet	6	-5	4	46	50	30	15	21	40	26	21	16	23
1999	Wet	13	16	18	12	48	19	8	22	22	24	14	11	19
2000	Above Norma	12	9	8	14	51	11	6	19	32	24	14	15	18
2001	Dry	-2	19	5	8	6	3	8	25	56	24	18	-3	14
2002	Dry	0	6	11	-86	33	9	9	11	15	14	53	-4	6
2003	Above Norma	15	39	4	-103	1	31	-9	33	21	25	-3	30	7
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Average		7	6	7	9	20	10	11	11	15	19	16	9	12
Wet		7	8	10	20	30	24	16	18	21	27	19	14	18
Above Norma		12	0	6	-4	13	3	13	6	20	19	9	11	9
Below Norma		7	4	8	7	13	7	8	5	5	18	22	6	9
Dry		7	10	6	0	7	0	10	10	19	17	14	1	8
Critical		2	6	5	12	30	3	6	6	4	9	10	13	9

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy generated (GWh) at Shasta Dam : CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	4%	4%	4%	4%	3%	0%	3%	3%	3%	-2%	3%	4%
1923	Below Norma	4%	-2%	1%	-1%	4%	4%	3%	-3%	-2%	1%	-3%	0%
1924	Critical	-1%	-2%	2%	1%	41%	5%	3%	9%	12%	16%	21%	133%
1925	Dry	22%	13%	13%	11%	7%	0%	11%	5%	0%	8%	7%	6%
1926	Dry	6%	6%	6%	5%	5%	3%	3%	13%	5%	5%	14%	18%
1927	Wet	20%	4%	4%	0%	9%	6%	7%	9%	8%	67%	-1%	-13%
1928	Above Norma	0%	-31%	-1%	-23%	3%	-29%	48%	9%	13%	1%	2%	5%
1929	Critical	4%	8%	8%	130%	4%	-1%	4%	4%	2%	6%	5%	4%
1930	Dry	6%	6%	-5%	5%	8%	6%	3%	3%	4%	4%	5%	3%
1931	Critical	5%	5%	5%	5%	5%	7%	5%	5%	13%	7%	8%	17%
1932	Dry	5%	13%	13%	9%	8%	7%	6%	3%	6%	6%	7%	8%
1933	Critical	8%	9%	9%	9%	9%	7%	5%	5%	5%	6%	7%	15%
1934	Critical	10%	11%	9%	12%	9%	8%	5%	3%	5%	7%	10%	-7%
1935	Below Norma	16%	13%	12%	17%	7%	6%	4%	3%	3%	4%	4%	5%
1936	Below Norma	5%	5%	5%	5%	4%	3%	3%	2%	2%	3%	1%	8%
1937	Below Norma	4%	4%	5%	5%	4%	4%	18%	2%	2%	2%	3%	-3%
1938	Wet	5%	-22%	-14%	7%	11%	12%	7%	8%	9%	8%	7%	6%
1939	Dry	7%	7%	7%	6%	5%	45%	9%	3%	22%	-19%	13%	14%
1940	Above Norma	61%	42%	6%	5%	10%	12%	6%	8%	5%	5%	5%	-11%
1941	Wet	13%	23%	1%	12%	12%	7%	7%	9%	8%	7%	8%	7%
1942	Wet	7%	7%	7%	7%	12%	6%	15%	4%	9%	6%	8%	7%
1943	Wet	7%	7%	7%	7%	7%	7%	8%	9%	9%	7%	7%	19%
1944	Dry	5%	7%	6%	5%	5%	5%	5%	5%	20%	11%	15%	1%
1945	Below Norma	4%	7%	6%	4%	-1%	3%	3%	3%	-3%	7%	7%	4%
1946	Below Norma	-11%	-7%	11%	7%	9%	5%	6%	6%	5%	19%	7%	9%
1947	Dry	19%	4%	4%	1%	6%	0%	3%	3%	-4%	7%	10%	-1%
1948	Below Norma	20%	7%	7%	8%	-2%	4%	4%	-30%	-13%	6%	13%	15%
1949	Dry	-5%	7%	6%	5%	13%	21%	5%	5%	5%	6%	5%	20%
1950	Below Norma	5%	6%	6%	8%	7%	3%	4%	4%	2%	6%	9%	-4%
1951	Above Norma	50%	-40%	7%	7%	7%	7%	22%	5%	6%	5%	6%	6%
1952	Wet	0%	19%	-5%	7%	7%	7%	7%	8%	9%	8%	7%	7%
1953	Wet	7%	7%	7%	12%	6%	5%	20%	2%	9%	5%	11%	7%
1954	Above Norma	7%	7%	7%	7%	7%	7%	8%	8%	2%	5%	6%	6%
1955	Dry	21%	19%	4%	5%	23%	-21%	7%	9%	10%	17%	5%	3%
1956	Wet	2%	4%	10%	12%	12%	6%	7%	8%	9%	7%	6%	7%
1957	Above Norma	7%	7%	7%	6%	6%	7%	6%	7%	9%	6%	12%	29%
1958	Wet	-9%	7%	7%	7%	12%	9%	7%	8%	9%	8%	7%	7%
1959	Below Norma	7%	7%	7%	6%	7%	8%	5%	5%	9%	2%	6%	49%
1960	Dry	13%	48%	9%	2%	4%	4%	3%	3%	2%	8%	2%	-2%
1961	Dry	4%	8%	8%	-4%	-42%	-23%	6%	11%	5%	5%	-23%	27%
1962	Below Norma	27%	33%	4%	-3%	61%	6%	7%	8%	7%	5%	31%	-16%
1963	Wet	12%	-9%	-5%	6%	6%	15%	6%	8%	9%	5%	7%	13%
1964	Dry	7%	7%	7%	10%	50%	3%	7%	4%	10%	20%	10%	-8%
1965	Wet	3%	4%	-14%	12%	6%	22%	-5%	13%	-6%	13%	20%	42%
1966	Below Norma	-10%	-15%	-6%	18%	7%	7%	8%	9%	7%	6%	25%	-8%
1967	Wet	-3%	13%	-5%	7%	7%	7%	8%	9%	8%	7%	7%	7%
1968	Below Norma	7%	7%	7%	6%	6%	6%	6%	6%	5%	5%	12%	3%
1969	Wet	12%	9%	-6%	3%	12%	7%	8%	9%	7%	7%	7%	6%
1970	Wet	7%	7%	7%	12%	7%	6%	5%	5%	8%	-8%	28%	7%
1971	Wet	15%	5%	3%	7%	26%	-4%	6%	8%	9%	7%	7%	6%
1972	Below Norma	7%	7%	7%	7%	6%	7%	9%	9%	-9%	11%	20%	19%
1973	Above Norma	-4%	22%	-4%	7%	7%	7%	7%	8%	8%	15%	-6%	21%
1974	Wet	-5%	12%	11%	12%	7%	11%	7%	8%	9%	7%	7%	7%
1975	Wet	7%	7%	7%	6%	5%	8%	6%	7%	9%	8%	7%	7%
1976	Critical	7%	7%	7%	212%	202%	-3%	-3%	-8%	-17%	1%	-7%	5%
1977	Critical	-9%	8%	6%	11%	108%	-2%	7%	-1%	0%	-12%	-58%	34%
1978	Above Norma	15%	16%	16%	-	-52%	-2%	8%	9%	8%	7%	7%	5%
1979	Below Norma	7%	7%	7%	6%	50%	4%	8%	7%	6%	7%	5%	22%
1980	Above Norma	5%	-10%	6%	-2%	12%	6%	29%	5%	4%	4%	5%	33%
1981	Dry	23%	-6%	1%	4%	4%	-24%	7%	7%	0%	30%	9%	-35%
1982	Wet	15%	2%	12%	7%	11%	7%	6%	8%	9%	8%	6%	7%
1983	Wet	7%	7%	7%	7%	12%	12%	7%	8%	9%	8%	7%	7%
1984	Wet	7%	7%	12%	7%	7%	7%	11%	6%	10%	5%	8%	55%
1985	Dry	-26%	0%	7%	53%	4%	0%	7%	5%	30%	4%	2%	-5%
1986	Wet	-11%	6%	5%	5%	10%	9%	24%	12%	4%	11%	12%	6%
1987	Dry	16%	10%	1%	0%	-1%	3%	4%	3%	1%	1%	65%	4%
1988	Critical	-29%	5%	5%	-1%	2%	4%	7%	4%	5%	7%	6%	6%
1989	Dry	6%	6%	12%	5%	5%	4%	44%	2%	-1%	1%	-3%	4%
1990	Critical	7%	7%	0%	0%	13%	4%	4%	4%	4%	4%	5%	4%
1991	Critical	5%	5%	5%	5%	4%	5%	4%	4%	5%	6%	6%	6%
1992	Critical	6%	6%	6%	6%	5%	0%	6%	6%	6%	7%	-11%	40%
1993	Above Norma	18%	17%	9%	11%	10%	3%	-7%	-37%	9%	8%	6%	7%
1994	Critical	7%	7%	7%	50%	4%	4%	4%	13%	-7%	4%	62%	7%
1995	Wet	9%	4%	4%	-65%	7%	11%	7%	8%	9%	8%	7%	7%
1996	Wet	7%	14%	-2%	7%	11%	7%	15%	5%	9%	7%	7%	6%
1997	Wet	7%	7%	12%	12%	7%	5%	23%	5%	5%	7%	14%	6%
1998	Wet	5%	-5%	5%	10%	12%	7%	22%	5%	9%	8%	7%	7%
1999	Wet	7%	7%	7%	7%	11%	7%	7%	9%	9%	7%	7%	6%
2000	Above Norma	7%	7%	7%	7%	12%	7%	8%	9%	10%	7%	6%	23%
2001	Dry	-1%	8%	3%	8%	9%	5%	5%	11%	20%	11%	12%	-4%
2002	Dry	0%	9%	18%	-42%	17%	6%	6%	5%	5%	5%	35%	-3%
2003	Above Norma	12%	39%	6%	-30%	1%	38%	-5%	9%	9%	7%	-2%	36%
<hr/>													
Average		7%	7%	5%	9%	12%	5%	8%	5%	6%	7%	8%	10%
Wet		6%	6%	3%	5%	10%	8%	9%	8%	6%	9%	8%	10%
Above Norma		15%	7%	6%	0%	2%	5%	11%	4%	7%	6%	4%	14%
Below Norma		7%	6%	6%	7%	12%	5%	6%	2%	2%	6%	10%	7%
Dry		7%	10%	7%	5%	7%	2%	8%	6%	8%	7%	11%	3%
Critical		2%	6%	6%	37%	34%	3%	4%	4%	3%	5%	4%	22%

Difference in Energy generated (GWh) at Spring Creek: CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	0	0	0	-3	0	0	0	0	0	0
1926	Dry	0	0	0	0	0	0	0	0	0	0	-1	0	0
1927	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	8	0	1
1930	Dry	0	0	-10	-2	-1	-2	-1	-2	0	0	0	0	-1
1931	Critical	0	0	0	0	0	1	0	0	0	0	0	0	0
1932	Dry	9	-6	0	-1	-2	0	0	0	0	0	1	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	-39	0	-3
1934	Critical	0	-2	0	-4	-3	0	-3	-3	0	0	56	-25	1
1935	Below Norma	-8	0	0	6	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	-3	0	0	0	0
1937	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1938	Wet	-2	-1	0	0	0	0	0	0	0	0	0	1	0
1939	Dry	0	0	0	0	0	-42	0	21	8	100	0	-19	6
1940	Above Norma	-29	-28	0	0	0	0	0	0	0	0	0	0	-5
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1945	Below Norma	0	0	0	0	0	0	0	0	17	0	0	0	1
1946	Below Norma	0	0	0	0	0	0	0	0	0	0	0	-15	-1
1947	Dry	0	0	0	3	4	5	0	0	0	16	-12	-15	0
1948	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1949	Dry	13	0	0	0	0	-8	0	0	0	0	0	0	0
1950	Below Norma	0	0	0	0	0	-3	0	0	-2	0	0	0	0
1951	Above Norma	0	0	0	0	0	-1	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	9	0	0	1
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1961	Dry	0	0	0	0	0	0	0	0	0	0	-27	0	-2
1962	Below Norma	0	12	0	5	0	0	0	0	0	0	0	0	1
1963	Wet	0	0	0	0	0	0	0	0	0	0	0	-6	0
1964	Dry	0	15	0	0	0	0	-7	0	0	0	0	0	1
1965	Wet	0	0	0	0	0	0	0	0	0	0	0	18	2
1966	Below Norma	0	0	0	-12	0	-6	0	0	0	0	0	0	-1
1967	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	61	-23	0	3
1971	Wet	0	0	0	0	-10	7	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	19	0	-1	2	0	0	0	2
1986	Wet	-4	-1	0	0	0	0	-12	0	0	0	0	0	-1
1987	Dry	0	0	0	5	0	0	0	0	4	0	-5	-3	0
1988	Critical	-3	0	0	0	0	0	-1	0	0	0	0	0	0
1989	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	3	0	0	-1	0
1993	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	-3	0	0	0	0	0	0	-1	5	0
1995	Wet	0	0	0	0	0	0	-5	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	3	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	Above Norma	-2	0	0	0	0	0	0	0	0	0	0	0	0
Average		0	0	0	0	0	0	0	0	0	2	-1	-1	0
Wet		0	0	0	0	0	0	-1	0	0	2	-1	1	0
Above Norma		-3	-2	0	0	0	0	0	0	0	0	0	0	0
Below Norma		-1	1	0	0	0	-1	0	0	1	0	0	-1	0
Dry		1	1	-1	0	0	-2	-1	1	1	7	-2	-2	0
Critical		0	0	0	0	0	0	0	0	0	2	2	-2	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy generated (GWh) at Spring Creek: CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1923	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1924	Critical	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1925	Dry	0%	0%	0%	0%	0%	0%	-6%	0%	0%	0%	0%	0%
1926	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-3%	0%
1927	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1928	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1929	Critical	0%	0%	0%	1%	0%	0%	-100%	0%	0%	0%	22%	0%
1930	Dry	0%	0%	-41%	-45%	-13%	-37%	-31%	0%	0%	0%	0%	0%
1931	Critical	0%	0%	0%	0%	0%	20%	-100%	0%	0%	0%	0%	0%
1932	Dry	30%	-60%	-2%	-80%	0%	0%	0%	6%	0%	3%	-13%	0%
1933	Critical	2%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	-90%	0%
1934	Critical	0%	-63%	0%	-41%	-31%	0%	-54%	-100%	0%	0%	131%	-47%
1935	Below Norm	-22%	0%	0%	24%	0%	0%	0%	0%	0%	0%	0%	0%
1936	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	-40%	0%	0%	0%
1937	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1938	Wet	-12%	-9%	0%	0%	0%	0%	0%	0%	0%	0%	0%	2%
1939	Dry	0%	0%	0%	0%	0%	-95%	-100%	85%	10%	0%	0%	-27%
1940	Above Norm	-27%	-57%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1942	Wet	0%	0%	0%	0%	0%	0%	0%	0%	-100%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1944	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1945	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1946	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-26%
1947	Dry	0%	0%	0%	420716600%	82%	70%	-100%	0%	0%	30%	-15%	-35%
1948	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	-100%	0%	27%
1949	Dry	202%	0%	0%	0%	0%	-15%	0%	0%	-100%	0%	0%	0%
1950	Below Norm	0%	0%	0%	0%	0%	-62%	0%	0%	-8%	0%	0%	0%
1951	Above Norm	0%	0%	0%	0%	0%	-22%	1%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1955	Dry	0%	0%	6%	0%	0%	0%	0%	0%	0%	15%	0%	0%
1956	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norm	0%	0%	0%	0%	0%	0%	-100%	0%	0%	0%	0%	0%
1958	Wet	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%
1959	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1960	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1961	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-27%	0%
1962	Below Norm	0%	186%	0%	342%	0%	0%	0%	-100%	0%	0%	0%	0%
1963	Wet	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-18%
1964	Dry	0%	154%	0%	0%	0%	0%	-100%	0%	0%	0%	0%	0%
1965	Wet	0%	0%	0%	0%	0%	-100%	0%	0%	0%	0%	0%	46%
1966	Below Norm	0%	0%	0%	-40%	0%	-11%	0%	100%	0%	0%	0%	0%
1967	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1968	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1969	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	1775%	-23%	0%
1971	Wet	0%	0%	0%	0%	-42%	25%	0%	0%	0%	0%	0%	0%
1972	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	-38%	0%	0%	0%
1973	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	-100%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1977	Critical	0%	0%	0%	-2%	0%	33%	1%	0%	0%	0%	0%	1%
1978	Above Norm	0%	269%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1979	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1980	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1982	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	106%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	0%	-19%	3%	0%	0%	0%
1986	Wet	-11%	-10%	0%	0%	0%	0%	-22%	-100%	0%	0%	0%	0%
1987	Dry	0%	0%	0%	546%	0%	0%	0%	0%	12%	0%	-5%	-6%
1988	Critical	-11%	1%	0%	0%	0%	0%	-14%	0%	-1%	0%	0%	0%
1989	Dry	0%	0%	0%	0%	0%	0%	0%	-100%	0%	0%	0%	0%
1990	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1992	Critical	0%	0%	0%	0%	0%	0%	0%	0%	43%	0%	0%	-1%
1993	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	-7%	0%	0%	0%	1%	-1%	0%	-1%	8%
1995	Wet	0%	0%	0%	0%	0%	0%	-15%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	0%	-100%	0%	0%	0%	0%
1998	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2001	Dry	0%	0%	0%	0%	0%	0%	-100%	0%	4%	0%	0%	0%
2002	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2003	Above Norm	-5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Average		2%	5%	-1%	5393812%	-1%	-3%	-14%	-5%	-4%	21%	1%	-1%
Wet		-1%	-1%	0%	0%	-2%	-3%	-8%	-8%	-8%	68%	3%	1%
Above Norm		-3%	18%	0%	0%	0%	-2%	-8%	0%	-8%	0%	0%	0%
Below Norm		-2%	13%	0%	23%	0%	-5%	0%	0%	-6%	-7%	0%	0%
Dry		13%	5%	-2%	23373172%	-1%	-4%	-25%	-4%	-4%	2%	-3%	-4%
Critical		-1%	-5%	0%	-4%	-3%	4%	-22%	-8%	3%	0%	5%	-3%

Difference in Energy generated (GWh) at Syst. Tot.: CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norm	5	5	6	5	5	6	5	6	12	14	12	6	7
1923	Below Norm	5	6	5	4	5	6	5	12	13	14	12	7	8
1924	Critical	11	9	7	4	3	6	12	14	21	22	20	9	11
1925	Dry	11	9	10	6	0	12	2	4	10	13	14	6	8
1926	Dry	9	7	7	6	2	8	-2	8	12	16	8	10	8
1927	Wet	2	2	1	2	35	5	11	19	15	15	13	2	10
1928	Above Norm	6	5	6	-27	9	47	4	15	14	13	12	9	9
1929	Critical	8	10	10	3	4	4	7	8	11	6	26	8	9
1930	Dry	9	7	-8	4	7	7	4	1	10	8	22	-1	6
1931	Critical	7	7	6	12	20	6	10	11	18	16	15	14	12
1932	Dry	12	-12	9	4	3	7	4	7	11	13	14	9	7
1933	Critical	9	8	10	8	7	7	8	9	12	16	-57	21	5
1934	Critical	12	7	8	5	1	9	2	7	17	19	126	-42	14
1935	Below Norm	-8	10	9	18	7	6	-7	9	13	15	12	7	8
1936	Below Norm	8	7	7	5	6	5	5	8	6	14	13	6	8
1937	Below Norm	8	8	9	7	3	5	14	5	8	10	10	5	8
1938	Wet	5	-8	22	5	35	39	13	10	14	15	11	14	15
1939	Dry	9	6	5	5	58	-75	12	32	21	200	4	-27	21
1940	Above Norm	-52	-47	7	16	39	40	5	12	18	24	20	-5	6
1941	Wet	24	50	-45	31	36	6	15	17	14	14	14	11	16
1942	Wet	8	5	21	22	35	5	5	15	13	14	13	11	14
1943	Wet	8	6	7	15	8	14	7	12	14	16	12	5	10
1944	Dry	6	6	7	5	6	6	9	7	11	11	11	9	8
1945	Below Norm	7	7	7	4	4	5	6	10	44	14	9	9	10
1946	Below Norm	12	12	41	8	8	5	7	9	11	56	-13	-19	11
1947	Dry	19	14	5	10	14	16	2	4	-3	29	-22	-22	5
1948	Below Norm	5	7	7	4	-3	4	2	-8	14	16	10	9	6
1949	Dry	49	6	-11	-8	-31	48	7	12	34	2	34	22	14
1950	Below Norm	7	4	5	-22	8	0	5	-23	-9	4	-3	-11	-3
1951	Above Norm	47	23	19	9	14	3	8	-7	5	24	14	-17	12
1952	Wet	16	10	33	9	20	12	21	13	11	14	13	10	15
1953	Wet	8	6	11	40	4	5	5	14	15	16	11	10	12
1954	Above Norm	8	8	5	16	19	10	13	18	11	16	13	5	12
1955	Dry	9	6	5	4	16	-29	20	8	16	35	13	5	9
1956	Wet	6	5	42	34	38	4	5	17	14	12	11	10	17
1957	Above Norm	9	6	6	5	10	11	13	7	14	17	11	2	9
1958	Wet	10	8	12	15	36	31	12	9	14	15	14	11	16
1959	Below Norm	9	6	6	11	14	10	10	11	16	18	17	4	11
1960	Dry	9	8	7	5	2	5	6	12	10	21	16	7	9
1961	Dry	6	10	8	4	-15	7	10	9	14	15	-214	48	-8
1962	Below Norm	22	70	9	14	123	5	9	20	21	23	56	-31	28
1963	Wet	1	4	11	6	8	22	27	8	15	11	11	-7	10
1964	Dry	9	57	5	4	3	6	-2	16	19	25	-3	24	14
1965	Wet	7	6	-7	45	3	6	9	14	14	34	9	39	15
1966	Below Norm	8	11	6	-29	6	-3	9	13	18	18	13	10	7
1967	Wet	6	11	-8	22	7	18	12	22	15	14	14	10	12
1968	Below Norm	9	5	5	5	17	4	10	9	16	15	13	6	10
1969	Wet	11	9	-10	27	36	6	15	17	14	13	11	10	13
1970	Wet	9	6	18	41	14	4	11	9	12	143	-34	4	20
1971	Wet	8	8	48	17	-15	4	6	14	14	17	10	9	12
1972	Below Norm	9	6	5	4	6	14	10	11	18	17	13	6	10
1973	Above Norm	1	5	6	17	19	7	6	9	15	15	10	4	10
1974	Wet	7	40	40	41	5	38	6	9	14	12	14	11	20
1975	Wet	9	6	5	6	7	38	5	13	15	12	13	11	12
1976	Critical	10	6	5	1	5	5	6	9	14	14	7	4	7
1977	Critical	7	6	7	4	6	6	14	9	27	32	25	14	13
1978	Above Norm	13	14	10	0	8	16	8	14	15	14	11	5	11
1979	Below Norm	8	6	7	5	38	3	2	5	13	20	5	0	9
1980	Above Norm	4	-16	5	20	37	4	5	9	12	13	10	4	9
1981	Dry	6	6	6	4	4	7	5	11	17	13	12	8	8
1982	Wet	11	4	41	8	35	14	29	4	12	14	11	10	16
1983	Wet	9	8	16	23	36	40	9	12	18	16	14	12	18
1984	Wet	9	14	41	7	5	12	10	11	12	17	9	4	12
1985	Dry	8	12	7	4	5	84	9	9	13	14	8	22	16
1986	Wet	-6	4	6	2	38	34	-20	8	10	11	9	3	8
1987	Dry	5	6	6	13	3	3	9	11	24	14	-3	3	8
1988	Critical	4	8	5	4	4	7	6	7	16	17	10	10	8
1989	Dry	10	5	28	2	16	-26	41	10	8	10	-4	13	10
1990	Critical	7	3	5	3	3	5	10	6	12	13	11	7	7
1991	Critical	7	8	6	11	8	5	5	9	11	13	17	9	9
1992	Critical	8	9	7	6	3	4	6	16	27	23	19	8	11
1993	Above Norm	16	9	8	13	3	3	-1	16	14	16	8	10	10
1994	Critical	8	6	6	-2	3	6	9	8	12	17	16	17	9
1995	Wet	18	8	6	4	7	38	-8	17	14	15	13	10	12
1996	Wet	8	7	6	4	36	11	5	17	11	14	10	10	12
1997	Wet	8	8	41	41	5	5	8	9	13	16	10	6	14
1998	Wet	7	7	6	39	37	22	3	23	25	17	15	12	18
1999	Wet	10	12	13	9	34	13	5	15	14	16	10	9	13
2000	Above Norm	9	7	6	11	37	8	4	13	19	17	10	2	12
2001	Dry	10	13	9	8	7	3	7	11	18	12	8	5	9
2002	Dry	10	9	7	2	7	7	8	10	13	16	10	10	9
2003	Above Norm	5	7	6	14	7	4	9	21	14	17	10	4	10
Average		9	9	10	10	14	10	8	11	14	20	9	6	11
Wet		8	10	15	20	21	17	9	13	14	20	10	10	14
Above Norm		6	2	7	8	17	13	7	11	14	17	12	2	10
Below Norm		8	12	9	3	17	5	6	6	14	18	12	1	9
Dry		11	10	6	5	6	5	8	10	14	26	-4	8	9
Critical		8	7	7	5	6	6	8	9	16	17	20	7	10

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy generated (GWh) at Syst. Tot.: CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	1%	2%	3%	3%	2%	3%	2%	1%	2%	2%	2%	1%
1923	Below Norma	2%	3%	2%	2%	3%	2%	2%	2%	2%	2%	2%	2%
1924	Critical	4%	4%	4%	2%	2%	3%	4%	5%	6%	6%	6%	5%
1925	Dry	11%	9%	9%	2%	0%	4%	1%	1%	2%	2%	3%	2%
1926	Dry	4%	4%	4%	4%	1%	4%	-1%	2%	3%	3%	2%	4%
1927	Wet	1%	1%	1%	1%	5%	2%	2%	3%	2%	2%	2%	1%
1928	Above Norma	2%	2%	3%	-13%	5%	7%	2%	2%	2%	2%	2%	2%
1929	Critical	3%	5%	6%	1%	4%	3%	3%	2%	3%	1%	6%	3%
1930	Dry	4%	4%	-6%	4%	5%	4%	2%	0%	2%	1%	5%	0%
1931	Critical	3%	4%	4%	9%	16%	4%	3%	4%	5%	4%	4%	8%
1932	Dry	6%	-11%	10%	2%	2%	4%	2%	2%	3%	3%	4%	4%
1933	Critical	5%	5%	8%	8%	8%	5%	3%	4%	4%	4%	-15%	11%
1934	Critical	8%	6%	8%	5%	1%	6%	1%	2%	4%	5%	36%	-18%
1935	Below Norma	-5%	10%	8%	14%	6%	5%	-3%	2%	3%	3%	3%	3%
1936	Below Norma	5%	5%	5%	2%	3%	2%	2%	2%	1%	2%	3%	2%
1937	Below Norma	4%	4%	6%	5%	2%	3%	6%	2%	2%	2%	2%	2%
1938	Wet	3%	-4%	3%	2%	5%	5%	2%	2%	2%	2%	2%	2%
1939	Dry	2%	3%	2%	3%	45%	-27%	3%	6%	3%	37%	1%	-7%
1940	Above Norma	-13%	-17%	5%	10%	5%	5%	2%	3%	3%	3%	3%	-1%
1941	Wet	8%	22%	-16%	4%	5%	1%	3%	2%	2%	2%	2%	2%
1942	Wet	2%	2%	3%	3%	5%	3%	1%	2%	2%	2%	2%	2%
1943	Wet	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	1%
1944	Dry	2%	3%	3%	3%	3%	3%	2%	2%	2%	2%	2%	3%
1945	Below Norma	3%	4%	4%	3%	1%	2%	2%	2%	8%	2%	2%	2%
1946	Below Norma	5%	5%	6%	3%	3%	2%	2%	2%	2%	8%	-2%	-5%
1947	Dry	6%	6%	3%	6%	8%	7%	1%	1%	-1%	5%	-4%	-6%
1948	Below Norma	3%	5%	5%	3%	-1%	3%	1%	-2%	3%	3%	2%	3%
1949	Dry	19%	3%	-6%	-5%	-10%	29%	3%	3%	6%	0%	6%	7%
1950	Below Norma	2%	2%	2%	-12%	3%	0%	2%	-5%	-2%	1%	0%	-3%
1951	Above Norma	19%	6%	3%	2%	2%	1%	2%	-1%	1%	3%	3%	-4%
1952	Wet	6%	5%	6%	2%	3%	2%	3%	2%	2%	2%	2%	2%
1953	Wet	2%	3%	3%	5%	2%	2%	2%	2%	2%	2%	2%	2%
1954	Above Norma	2%	2%	2%	3%	3%	2%	2%	3%	2%	2%	2%	1%
1955	Dry	3%	3%	3%	3%	8%	-14%	7%	2%	3%	6%	3%	2%
1956	Wet	2%	3%	6%	5%	6%	2%	1%	2%	2%	2%	2%	2%
1957	Above Norma	2%	3%	3%	3%	3%	2%	3%	1%	3%	2%	2%	1%
1958	Wet	3%	3%	2%	3%	4%	2%	2%	1%	2%	2%	2%	2%
1959	Below Norma	2%	3%	3%	3%	3%	3%	3%	2%	2%	2%	2%	1%
1960	Dry	3%	3%	5%	3%	2%	2%	2%	4%	2%	3%	3%	2%
1961	Dry	3%	6%	5%	3%	-9%	3%	3%	2%	2%	2%	-27%	17%
1962	Below Norma	9%	41%	6%	8%	61%	2%	3%	4%	4%	3%	11%	-9%
1963	Wet	0%	2%	3%	3%	2%	6%	4%	2%	3%	1%	2%	-2%
1964	Dry	3%	17%	2%	2%	1%	3%	-1%	4%	4%	4%	0%	7%
1965	Wet	3%	3%	-1%	6%	2%	3%	2%	2%	5%	2%	2%	11%
1966	Below Norma	3%	3%	3%	-11%	3%	0%	2%	2%	3%	2%	2%	2%
1967	Wet	2%	6%	-3%	4%	2%	3%	3%	3%	2%	2%	2%	2%
1968	Below Norma	2%	3%	2%	2%	3%	2%	3%	2%	2%	2%	2%	2%
1969	Wet	5%	4%	-5%	4%	5%	2%	3%	2%	2%	2%	2%	2%
1970	Wet	2%	3%	2%	4%	3%	2%	3%	2%	2%	22%	-5%	1%
1971	Wet	3%	4%	11%	3%	-5%	1%	2%	2%	2%	2%	2%	2%
1972	Below Norma	2%	3%	2%	2%	2%	2%	3%	2%	3%	2%	2%	2%
1973	Above Norma	0%	2%	2%	3%	3%	2%	2%	2%	3%	2%	2%	1%
1974	Wet	3%	5%	5%	4%	2%	4%	1%	2%	2%	2%	2%	2%
1975	Wet	2%	3%	2%	3%	2%	5%	2%	2%	2%	2%	2%	2%
1976	Critical	2%	2%	2%	0%	3%	3%	2%	2%	2%	2%	2%	2%
1977	Critical	3%	3%	4%	3%	4%	3%	3%	4%	6%	7%	5%	7%
1978	Above Norma	4%	14%	11%	0%	3%	3%	2%	3%	3%	2%	2%	2%
1979	Below Norma	3%	3%	4%	2%	24%	2%	1%	1%	2%	3%	1%	0%
1980	Above Norma	2%	-7%	3%	3%	5%	1%	1%	2%	2%	2%	2%	1%
1981	Dry	2%	3%	3%	2%	2%	3%	2%	2%	3%	2%	2%	2%
1982	Wet	6%	1%	6%	2%	4%	2%	4%	1%	2%	2%	2%	2%
1983	Wet	2%	2%	2%	3%	4%	4%	2%	1%	2%	2%	2%	2%
1984	Wet	2%	2%	4%	1%	2%	3%	2%	2%	2%	2%	2%	1%
1985	Dry	3%	3%	3%	1%	3%	53%	3%	2%	2%	2%	1%	6%
1986	Wet	-2%	2%	4%	1%	5%	4%	-5%	2%	2%	2%	2%	1%
1987	Dry	2%	3%	3%	8%	3%	2%	2%	2%	4%	2%	-1%	1%
1988	Critical	2%	5%	4%	3%	2%	3%	2%	2%	3%	3%	2%	4%
1989	Dry	5%	4%	24%	1%	14%	-10%	17%	2%	2%	2%	-1%	5%
1990	Critical	4%	1%	3%	2%	2%	3%	3%	2%	3%	3%	3%	3%
1991	Critical	4%	5%	5%	10%	8%	4%	3%	3%	3%	3%	5%	5%
1992	Critical	5%	6%	7%	6%	3%	3%	3%	4%	6%	5%	4%	3%
1993	Above Norma	10%	8%	8%	9%	2%	1%	0%	3%	3%	3%	2%	3%
1994	Critical	3%	3%	3%	-1%	3%	3%	3%	2%	2%	2%	3%	5%
1995	Wet	9%	6%	5%	1%	2%	5%	-2%	2%	2%	2%	2%	2%
1996	Wet	2%	3%	2%	1%	4%	2%	2%	2%	2%	2%	2%	3%
1997	Wet	3%	3%	4%	4%	1%	2%	2%	2%	2%	2%	2%	2%
1998	Wet	3%	4%	3%	6%	5%	3%	1%	3%	2%	2%	2%	2%
1999	Wet	2%	3%	3%	2%	5%	2%	2%	2%	2%	2%	2%	2%
2000	Above Norma	2%	3%	3%	2%	5%	2%	1%	2%	3%	2%	2%	1%
2001	Dry	3%	4%	4%	5%	4%	2%	2%	2%	3%	2%	2%	2%
2002	Dry	3%	5%	4%	1%	2%	2%	2%	2%	2%	2%	2%	3%
2003	Above Norma	2%	3%	4%	3%	3%	2%	2%	3%	3%	2%	2%	1%
Average		3%	4%	4%	3%	5%	3%	2%	2%	3%	3%	2%	2%
Wet		3%	4%	2%	3%	3%	3%	2%	2%	2%	3%	2%	2%
Above Norma		3%	2%	4%	2%	3%	3%	2%	2%	2%	2%	2%	1%
Below Norma		3%	7%	4%	2%	8%	2%	1%	3%	3%	2%	2%	0%
Dry		5%	4%	4%	3%	5%	4%	3%	2%	3%	4%	0%	3%
Critical		4%	4%	5%	4%	5%	4%	3%	3%	4%	4%	5%	3%

Energy generated (GWh) at Tot. Loss: CONV_NA

Year Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922 Above Normal	19.74	11.28	8.05	6.79	10.66	9.50	11.35	18.90	25.18	25.67	24.73	17.60	189
1923 Below Normal	10.28	8.96	11.45	8.64	8.29	9.58	10.73	22.20	20.64	29.02	22.16	14.90	177
1924 Critical	10.89	8.48	6.95	9.71	7.89	7.26	10.97	11.41	13.96	15.99	13.25	7.81	125
1925 Dry	4.01	3.90	4.73	11.41	7.60	14.02	6.97	13.10	19.36	22.45	17.18	11.60	136
1926 Dry	9.77	7.49	7.05	6.11	6.44	8.05	8.25	14.12	17.46	21.29	17.93	8.68	133
1927 Wet	7.34	6.12	6.09	8.87	30.34	10.64	19.31	22.26	23.05	29.34	22.53	16.06	202
1928 Above Normal	11.51	10.60	8.63	8.47	8.00	28.04	10.12	22.64	23.35	27.06	25.18	17.03	201
1929 Critical	12.06	8.51	7.33	11.06	4.77	5.69	10.46	12.90	16.22	22.75	16.45	10.81	139
1930 Dry	8.99	6.35	6.10	5.16	6.32	8.17	9.48	13.46	16.75	23.80	17.13	10.15	132
1931 Critical	8.54	6.58	6.19	5.54	5.29	5.54	12.22	11.02	13.74	18.16	14.49	6.86	114
1932 Dry	8.50	4.51	3.84	7.52	6.59	5.80	8.81	10.78	13.09	18.03	13.49	8.72	110
1933 Critical	8.14	6.79	4.98	4.70	3.68	5.31	9.21	9.09	12.14	17.93	15.72	7.34	105
1934 Critical	6.47	4.63	4.04	4.24	4.88	5.65	10.68	11.07	14.69	16.86	13.49	9.87	107
1935 Below Normal	6.12	4.15	4.62	5.49	4.64	4.97	10.75	14.71	16.69	21.95	17.98	11.76	124
1936 Below Normal	7.17	6.70	5.74	9.01	10.48	9.97	11.94	16.46	18.37	23.42	18.40	12.78	150
1937 Below Normal	9.69	8.19	6.58	5.92	6.33	7.96	8.88	13.04	15.63	23.29	17.98	12.08	136
1938 Wet	8.64	9.89	28.71	9.09	29.15	32.71	23.69	24.28	26.75	22.23	24.71	25.41	265
1939 Dry	19.44	9.14	9.61	6.86	5.19	11.70	16.27	18.66	26.68	21.42	25.44	16.66	187
1940 Above Normal	17.38	11.83	5.22	6.78	32.16	32.71	12.74	17.77	22.86	30.62	23.63	15.03	229
1941 Wet	12.83	9.57	11.96	31.13	29.99	25.51	24.58	32.53	22.66	32.58	27.87	26.80	288
1942 Wet	18.65	9.22	31.42	33.40	32.49	8.95	12.99	25.36	21.88	27.14	27.08	26.50	275
1943 Wet	18.38	12.06	15.82	24.64	17.04	28.21	12.98	19.48	20.39	30.15	22.67	16.58	238
1944 Dry	11.64	8.62	8.45	6.73	7.74	8.06	13.22	14.07	19.97	28.56	24.15	14.62	166
1945 Below Normal	10.79	8.16	7.17	6.35	12.01	8.90	10.67	16.76	20.06	27.67	22.00	15.79	166
1946 Below Normal	10.12	10.35	32.13	14.42	10.69	8.95	13.55	19.45	23.31	26.44	23.36	14.55	207
1947 Dry	13.05	9.26	7.99	6.99	7.31	8.82	10.45	18.74	19.81	25.39	22.40	14.45	165
1948 Below Normal	7.22	6.41	6.06	5.72	11.10	5.97	8.81	14.73	19.96	22.61	21.84	13.37	144
1949 Dry	10.74	7.91	8.33	6.74	13.21	7.07	9.82	17.41	21.02	29.08	23.05	13.80	168
1950 Below Normal	12.29	9.39	8.05	8.15	10.14	9.61	11.48	17.81	19.78	24.07	21.49	14.72	167
1951 Above Normal	10.70	17.74	26.20	16.42	25.03	10.29	17.03	16.49	22.11	31.51	22.46	15.72	232
1952 Wet	10.99	9.06	24.59	17.72	29.66	23.00	33.69	25.84	22.75	25.97	22.82	26.49	273
1953 Wet	18.06	8.34	16.89	36.25	8.88	9.83	11.59	21.87	22.39	27.81	23.99	26.05	232
1954 Above Normal	18.70	16.77	11.41	20.66	26.52	25.74	21.08	26.58	24.17	30.41	26.70	14.56	263
1955 Dry	11.51	8.78	7.17	5.97	8.70	8.36	10.30	14.15	20.28	24.97	19.55	11.57	151
1956 Wet	10.89	8.83	31.69	32.98	29.37	11.16	12.31	26.15	23.79	24.34	19.61	26.26	257
1957 Above Normal	19.54	8.51	8.64	6.87	14.78	22.51	17.65	15.58	21.00	31.58	26.72	13.82	207
1958 Wet	13.56	13.65	20.88	25.50	40.37	35.34	24.54	29.97	25.79	32.79	23.64	27.10	313
1959 Below Normal	19.03	8.04	8.58	16.91	19.99	16.06	14.65	18.75	28.86	32.91	27.71	13.20	225
1960 Dry	11.74	10.88	6.69	5.77	5.24	10.51	11.75	12.94	22.20	25.54	21.08	14.60	159
1961 Dry	8.93	7.17	6.84	5.58	7.24	9.49	13.29	16.28	22.43	29.09	34.44	11.71	172
1962 Below Normal	9.79	7.33	6.76	7.72	9.08	8.60	12.36	18.42	20.72	30.55	21.54	14.77	168
1963 Wet	9.42	10.63	14.77	9.97	15.93	17.07	32.23	19.44	20.05	30.33	21.91	12.13	214
1964 Dry	10.84	14.89	10.03	10.30	11.32	8.49	16.37	16.63	19.46	27.90	22.78	14.25	183
1965 Wet	10.13	8.14	28.07	32.53	8.24	8.76	15.76	22.52	21.23	28.78	22.37	14.54	221
1966 Below Normal	10.48	14.87	8.68	11.55	9.34	23.37	19.07	19.33	24.62	30.46	27.05	17.61	216
1967 Wet	15.12	7.47	13.48	21.75	15.25	27.33	18.03	32.97	24.35	31.20	23.19	27.16	257
1968 Below Normal	19.67	8.98	9.69	9.91	28.28	10.62	14.60	17.53	27.98	30.00	23.35	15.80	216
1969 Wet	9.53	8.47	8.26	30.26	30.20	11.60	22.27	30.19	25.52	25.79	24.09	23.29	249
1970 Wet	19.30	8.50	33.07	44.29	22.03	11.04	16.65	19.01	24.25	25.59	25.90	15.59	265
1971 Wet	11.72	8.63	19.28	23.52	14.00	26.45	10.43	21.97	21.19	28.35	21.35	24.42	231
1972 Below Normal	19.12	9.70	9.88	11.03	10.19	33.75	13.68	18.45	22.32	29.23	26.91	14.54	219
1973 Above Normal	12.78	9.08	11.53	26.46	28.14	14.83	9.90	17.79	22.67	30.09	25.60	14.49	223
1974 Wet	9.13	38.55	35.70	43.37	10.73	37.49	17.37	19.68	22.98	26.11	24.52	27.01	313
1975 Wet	18.70	8.65	9.14	8.47	11.81	34.26	10.61	23.16	24.62	29.03	24.29	26.70	229
1976 Critical	20.98	12.21	9.95	14.27	7.88	8.31	9.28	15.95	23.17	28.14	17.01	10.74	178
1977 Critical	11.57	8.51	7.77	6.54	5.59	6.21	16.18	9.26	19.09	21.09	20.69	7.85	140
1978 Above Normal	14.78	4.02	3.70	6.69	13.75	24.68	13.12	21.08	23.43	26.88	21.65	8.80	183
1979 Below Normal	10.30	7.89	8.06	8.38	7.14	8.02	8.25	15.40	24.24	26.22	19.11	14.25	157
1980 Above Normal	10.15	9.44	7.71	30.10	32.11	11.75	12.10	18.23	24.99	26.14	23.86	16.30	223
1981 Dry	11.36	9.79	8.40	6.92	7.79	10.23	7.88	17.95	25.55	32.64	25.94	15.01	179
1982 Wet	8.10	12.89	31.60	17.90	32.85	29.36	34.26	17.82	22.07	20.67	18.76	24.97	271
1983 Wet	22.24	17.80	27.23	35.36	34.19	43.36	22.42	36.07	40.55	38.81	33.26	30.06	381
1984 Wet	20.54	31.00	37.72	20.62	10.88	19.14	14.01	19.62	25.03	31.51	20.67	14.26	265
1985 Dry	10.66	17.83	10.13	12.24	7.64	6.46	11.31	19.44	27.00	29.55	27.61	15.03	195
1986 Wet	11.82	7.09	6.23	7.26	29.36	33.41	14.81	17.61	22.73	25.93	22.89	13.32	212
1987 Dry	10.15	9.09	8.28	6.66	5.08	5.96	15.13	19.81	26.13	30.33	22.04	14.61	173
1988 Critical	11.00	7.80	5.56	5.34	7.46	8.75	9.98	13.25	22.78	25.11	18.56	10.88	146
1989 Dry	8.76	4.83	4.94	5.77	4.54	11.37	9.17	20.97	21.09	25.32	17.94	11.07	146
1990 Critical	7.53	9.54	7.29	5.97	5.39	5.83	11.86	9.54	15.06	20.96	15.57	9.83	124
1991 Critical	8.15	6.58	5.26	4.56	4.18	5.01	7.11	10.87	12.29	18.59	15.31	7.61	106
1992 Critical	6.62	6.38	4.41	4.37	4.70	5.62	7.95	17.37	18.88	20.58	16.85	12.15	126
1993 Above Normal	6.72	4.68	4.10	6.54	8.73	10.77	10.56	25.09	21.77	23.17	17.56	14.33	154
1994 Critical	10.31	8.36	8.36	9.67	5.05	8.96	13.14	14.77	25.46	28.40	23.29	15.10	171
1995 Wet	7.97	5.83	4.75	22.98	13.00	33.51	19.37	30.54	25.69	30.68	22.72	25.76	243
1996 Wet	17.96	11.10	14.67	14.25	35.01	25.67	12.62	28.58	20.17	27.09	20.76	15.20	243
1997 Wet	10.99	13.94	40.39	40.19	11.68	8.57	17.89	20.58	23.66	30.22	20.42	12.90	251
1998 Wet	11.32	7.86	7.80	31.32	32.45	34.68	14.80	33.61	43.71	35.82	30.62	28.26	312
1999 Wet	20.10	20.80	21.69	17.94	30.66	25.66	10.49	23.25	21.73	29.62	20.86	18.90	262
2000 Above Normal	18.67	11.67	9.28	22.70	34.38	15.93	15.60	20.51	23.16	31.50	26.86	14.15	244
2001 Dry	14.84	14.36	9.59	7.33	7.41	6.16	10.83	19.39	27.50	27.40	19.68	11.42	176
2002 Dry	13.88	7.82	7.07	14.06	14.59	12.44	12.24	18.79	22.90	28.72	20.69	14.72	188
2003 Above Normal	13.33	9.47	6.99	21.78	10.28	6.13	14.66	29.14	19.81	31.65	18.97	17.07	199
Average	12	10	12	14	15	15	14	19	22	27	22	16	199
Wet	14	12	21	25	23	24	18	25	22	29	24	22	260
Above Normal	14	10	9	15	20	18	14	21	23	29	24	15	212
Below Normal	12	9	10	9	11	12	12	17	22	27	22	14	177
Dry	11	9	8	8	8	9	11	16	22	26	22	13	162
Critical	10	8	7	7	6	7	11	12	17	21	17	10	132

Difference in Energy generated (GWh) at Tot. Loss: CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	1	1	1	0	0
1923	Below Norma	0	0	0	0	0	0	0	1	1	1	1	0	0
1924	Critical	0	0	0	0	0	0	1	1	1	1	1	0	1
1925	Dry	0	0	0	0	0	1	0	0	0	1	1	0	0
1926	Dry	0	0	0	0	0	0	0	0	1	1	0	1	0
1927	Wet	0	0	0	0	2	0	1	1	1	1	1	0	0
1928	Above Norma	0	0	0	-1	0	2	0	1	1	1	1	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	1	1	0	0
1930	Dry	0	0	0	0	0	0	0	0	0	1	1	0	0
1931	Critical	0	0	0	1	1	0	0	0	1	1	1	1	1
1932	Dry	1	-1	0	0	0	0	0	0	1	1	1	0	0
1933	Critical	0	0	0	0	0	0	0	0	1	1	-3	1	0
1934	Critical	1	0	0	0	0	0	0	0	1	1	6	-2	1
1935	Below Norma	0	0	0	1	0	0	0	0	1	1	1	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	1	1	0	0
1937	Below Norma	0	0	0	0	0	0	1	0	0	0	0	0	0
1938	Wet	0	0	1	0	2	2	1	0	1	1	1	1	1
1939	Dry	0	0	0	0	3	-3	1	2	1	9	0	-1	1
1940	Above Norma	-2	-2	0	1	2	2	0	0	1	1	1	0	0
1941	Wet	1	2	-2	1	2	0	1	1	1	1	1	0	1
1942	Wet	0	0	1	1	2	0	0	1	1	1	1	0	1
1943	Wet	0	0	0	1	0	1	0	1	1	1	1	0	0
1944	Dry	0	0	0	0	0	0	0	0	0	1	0	0	0
1945	Below Norma	0	0	0	0	0	0	0	0	2	1	0	0	0
1946	Below Norma	1	1	2	0	0	0	0	0	1	3	-1	-1	1
1947	Dry	1	1	0	0	1	1	0	0	0	1	-1	-1	0
1948	Below Norma	0	0	0	0	0	0	0	0	1	1	0	0	0
1949	Dry	2	0	0	0	-1	2	0	0	1	0	2	1	1
1950	Below Norma	0	0	0	-1	0	0	0	-1	0	0	0	0	0
1951	Above Norma	2	1	1	0	1	0	0	0	0	1	1	-1	1
1952	Wet	1	0	1	0	1	1	1	1	1	1	1	0	1
1953	Wet	0	0	0	2	0	0	0	1	1	1	0	0	1
1954	Above Norma	0	0	0	1	1	0	1	1	0	1	1	0	1
1955	Dry	0	0	0	0	1	-1	1	0	1	2	1	0	0
1956	Wet	0	0	2	2	2	0	0	1	1	1	0	0	1
1957	Above Norma	0	0	0	0	0	0	1	0	1	1	1	0	0
1958	Wet	0	0	1	1	2	1	1	0	1	1	1	0	1
1959	Below Norma	0	0	0	1	1	0	0	0	1	1	1	0	0
1960	Dry	0	0	0	0	0	0	0	0	0	1	1	0	0
1961	Dry	0	0	0	0	-1	0	0	0	1	1	-10	2	0
1962	Below Norma	1	3	0	1	6	0	0	1	1	1	3	-1	1
1963	Wet	0	0	1	0	0	1	1	0	1	0	0	0	0
1964	Dry	0	3	0	0	0	0	0	0	0	1	0	1	1
1965	Wet	0	0	0	2	0	0	0	1	1	1	0	2	1
1966	Below Norma	0	0	0	-1	0	0	0	1	1	1	1	0	0
1967	Wet	0	1	0	1	0	1	1	1	1	1	1	0	1
1968	Below Norma	0	0	0	0	1	0	0	0	1	1	1	0	0
1969	Wet	0	0	0	1	2	0	1	1	1	1	0	0	1
1970	Wet	0	0	1	2	1	0	1	0	1	6	-2	0	1
1971	Wet	0	0	2	1	-1	0	0	1	1	1	0	0	1
1972	Below Norma	0	0	0	0	0	1	0	1	1	1	1	0	0
1973	Above Norma	0	0	0	1	1	0	0	0	1	1	0	0	0
1974	Wet	0	2	2	2	0	2	0	0	1	1	1	1	1
1975	Wet	0	0	0	0	0	2	0	1	1	1	1	0	1
1976	Critical	0	0	0	0	0	0	0	0	1	1	0	0	0
1977	Critical	0	0	0	0	0	0	1	0	1	1	1	1	1
1978	Above Norma	1	1	0	0	0	1	0	1	1	1	0	0	0
1979	Below Norma	0	0	0	0	2	0	0	0	1	1	0	0	0
1980	Above Norma	0	-1	0	1	2	0	0	0	1	1	0	0	0
1981	Dry	0	0	0	0	0	0	0	1	1	1	1	0	0
1982	Wet	1	0	2	0	2	1	1	0	1	1	1	0	1
1983	Wet	0	0	1	1	2	2	0	1	1	1	1	1	1
1984	Wet	0	1	2	0	0	1	0	0	1	1	0	0	1
1985	Dry	0	1	0	0	0	4	0	0	0	1	0	1	1
1986	Wet	0	0	0	0	2	2	-1	0	0	1	0	0	0
1987	Dry	0	0	0	1	0	0	0	0	1	1	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	1	1	0	0	0
1989	Dry	0	0	1	0	1	-1	2	0	0	0	0	1	0
1990	Critical	0	0	0	0	0	0	0	0	1	1	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	1	1	1	0	0
1992	Critical	0	0	0	0	0	0	0	1	1	1	1	0	1
1993	Above Norma	1	0	0	1	0	0	0	1	1	1	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	1	1	1	1	0
1995	Wet	1	0	0	0	0	2	0	1	1	1	1	0	1
1996	Wet	0	0	0	0	2	0	0	1	1	1	0	0	1
1997	Wet	0	0	2	2	0	0	0	0	1	1	0	0	1
1998	Wet	0	0	0	2	2	1	0	1	1	1	1	1	1
1999	Wet	0	1	1	0	2	1	0	1	1	1	0	0	1
2000	Above Norma	0	0	0	0	2	0	0	1	1	1	0	0	1
2001	Dry	0	1	0	0	0	0	0	0	1	1	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	1	1	0	0	0
2003	Above Norma	0	0	0	1	0	0	0	1	1	1	0	0	0
Average		0	0	0	0	1	0	0	0	1	1	0	0	0
Wet		0	0	1	1	1	1	0	1	1	1	0	0	1
Above Norma		0	0	0	0	1	1	0	1	1	1	1	0	0
Below Norma		0	1	0	0	1	0	0	0	1	1	1	0	0
Dry		1	0	0	0	0	0	0	0	1	1	0	0	0
Critical		0	0	0	0	0	0	0	0	1	1	1	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy generated (GWh) at Tot. Loss: CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	1%	2%	3%	3%	2%	3%	2%	1%	2%	2%	2%	2%
1923	Below Norma	2%	3%	2%	2%	3%	3%	2%	2%	3%	2%	3%	2%
1924	Critical	4%	5%	5%	2%	2%	4%	5%	5%	7%	6%	7%	5%
1925	Dry	12%	10%	9%	2%	0%	4%	1%	2%	2%	3%	4%	2%
1926	Dry	4%	4%	5%	4%	1%	4%	-1%	2%	3%	3%	2%	8%
1927	Wet	1%	1%	1%	1%	5%	2%	3%	3%	3%	3%	3%	1%
1928	Above Norma	2%	2%	3%	-14%	5%	8%	2%	3%	3%	2%	2%	2%
1929	Critical	3%	5%	6%	1%	4%	4%	3%	3%	3%	2%	7%	3%
1930	Dry	4%	5%	-6%	4%	5%	4%	2%	0%	3%	4%	3%	0%
1931	Critical	4%	4%	5%	10%	15%	5%	4%	5%	6%	4%	5%	9%
1932	Dry	6%	-12%	11%	2%	2%	5%	2%	3%	4%	3%	5%	5%
1933	Critical	5%	5%	9%	8%	9%	6%	4%	4%	4%	4%	-16%	13%
1934	Critical	8%	6%	8%	5%	1%	7%	1%	3%	5%	5%	42%	-20%
1935	Below Norma	-6%	11%	9%	14%	6%	6%	-3%	3%	3%	3%	3%	3%
1936	Below Norma	5%	5%	5%	2%	3%	2%	2%	2%	2%	3%	3%	2%
1937	Below Norma	4%	4%	6%	6%	2%	3%	7%	2%	2%	2%	3%	2%
1938	Wet	3%	-4%	3%	3%	5%	5%	2%	2%	2%	3%	2%	2%
1939	Dry	2%	3%	2%	3%	50%	-29%	4%	9%	3%	41%	0%	-7%
1940	Above Norma	-14%	-18%	6%	11%	5%	6%	2%	2%	3%	3%	4%	-2%
1941	Wet	8%	24%	-17%	4%	5%	1%	3%	2%	3%	2%	2%	2%
1942	Wet	2%	3%	3%	3%	5%	3%	2%	3%	3%	2%	2%	2%
1943	Wet	2%	2%	2%	3%	2%	2%	2%	3%	3%	2%	2%	1%
1944	Dry	2%	3%	3%	3%	3%	3%	3%	2%	2%	2%	2%	3%
1945	Below Norma	3%	4%	4%	3%	1%	3%	2%	2%	10%	2%	2%	3%
1946	Below Norma	5%	5%	6%	3%	4%	3%	2%	2%	2%	11%	-3%	-6%
1947	Dry	7%	7%	3%	6%	9%	8%	1%	1%	-1%	5%	-5%	-7%
1948	Below Norma	3%	5%	5%	3%	-1%	3%	1%	-3%	3%	3%	2%	3%
1949	Dry	20%	3%	-6%	-5%	-10%	31%	3%	3%	7%	0%	8%	7%
1950	Below Norma	-2%	2%	3%	-12%	3%	0%	2%	-3%	-2%	0%	-1%	-3%
1951	Above Norma	20%	6%	3%	2%	3%	1%	2%	1%	2%	3%	2%	-5%
1952	Wet	7%	5%	6%	2%	3%	2%	3%	2%	2%	2%	3%	2%
1953	Wet	2%	3%	3%	5%	2%	2%	2%	3%	3%	3%	2%	2%
1954	Above Norma	2%	2%	2%	3%	3%	2%	3%	3%	2%	2%	2%	2%
1955	Dry	3%	3%	3%	3%	8%	-16%	9%	3%	4%	7%	3%	2%
1956	Wet	3%	3%	6%	5%	6%	2%	2%	3%	3%	2%	3%	2%
1957	Above Norma	2%	3%	3%	3%	3%	2%	3%	2%	3%	2%	2%	1%
1958	Wet	3%	3%	3%	3%	4%	2%	1%	3%	3%	2%	3%	2%
1959	Below Norma	2%	3%	3%	3%	3%	3%	3%	2%	2%	2%	3%	1%
1960	Dry	3%	3%	5%	4%	2%	2%	2%	2%	4%	4%	4%	2%
1961	Dry	3%	6%	6%	3%	-9%	3%	3%	3%	3%	2%	-29%	19%
1962	Below Norma	11%	43%	6%	8%	61%	3%	3%	3%	3%	3%	12%	-9%
1963	Wet	0%	2%	3%	3%	2%	6%	4%	2%	3%	1%	2%	-3%
1964	Dry	4%	17%	2%	2%	1%	3%	0%	3%	2%	5%	0%	8%
1965	Wet	3%	4%	-1%	6%	2%	3%	3%	3%	3%	5%	2%	12%
1966	Below Norma	3%	3%	3%	-11%	3%	-1%	2%	3%	3%	3%	2%	3%
1967	Wet	2%	7%	-3%	4%	2%	3%	3%	3%	3%	2%	3%	2%
1968	Below Norma	2%	3%	3%	2%	3%	2%	3%	2%	3%	2%	3%	2%
1969	Wet	5%	5%	-5%	4%	5%	2%	3%	3%	2%	2%	2%	2%
1970	Wet	2%	3%	3%	4%	3%	2%	3%	2%	2%	25%	-6%	1%
1971	Wet	3%	4%	11%	3%	-5%	1%	3%	3%	3%	3%	2%	2%
1972	Below Norma	2%	3%	2%	2%	2%	2%	3%	3%	4%	3%	2%	2%
1973	Above Norma	0%	3%	2%	3%	3%	2%	3%	2%	3%	2%	2%	1%
1974	Wet	3%	5%	5%	4%	2%	5%	2%	2%	3%	2%	3%	2%
1975	Wet	2%	3%	3%	3%	3%	5%	2%	3%	3%	2%	2%	2%
1976	Critical	2%	2%	2%	0%	3%	3%	3%	3%	3%	2%	2%	2%
1977	Critical	3%	3%	4%	3%	5%	4%	4%	5%	6%	7%	6%	8%
1978	Above Norma	4%	16%	12%	0%	3%	3%	3%	3%	3%	2%	2%	3%
1979	Below Norma	3%	3%	4%	2%	24%	2%	1%	1%	2%	3%	1%	0%
1980	Above Norma	2%	-8%	3%	3%	5%	2%	2%	2%	2%	2%	2%	1%
1981	Dry	2%	3%	3%	2%	2%	3%	3%	3%	3%	2%	2%	2%
1982	Wet	6%	2%	6%	2%	5%	2%	4%	1%	2%	3%	3%	2%
1983	Wet	2%	2%	3%	3%	5%	4%	2%	2%	2%	2%	2%	2%
1984	Wet	2%	2%	5%	1%	2%	3%	3%	3%	2%	2%	2%	1%
1985	Dry	3%	3%	3%	1%	3%	59%	3%	2%	1%	2%	1%	7%
1986	Wet	-2%	3%	4%	1%	6%	5%	-6%	2%	2%	2%	2%	1%
1987	Dry	2%	3%	3%	9%	3%	2%	3%	2%	4%	2%	-1%	1%
1988	Critical	2%	5%	4%	3%	2%	3%	3%	2%	3%	3%	2%	4%
1989	Dry	5%	5%	26%	2%	18%	-10%	21%	2%	0%	1%	-2%	5%
1990	Critical	4%	1%	3%	2%	2%	4%	4%	3%	4%	3%	3%	3%
1991	Critical	4%	5%	6%	11%	9%	4%	3%	4%	4%	3%	4%	5%
1992	Critical	6%	6%	7%	7%	3%	3%	3%	4%	7%	5%	5%	3%
1993	Above Norma	11%	9%	9%	9%	2%	1%	0%	3%	3%	3%	2%	3%
1994	Critical	3%	3%	3%	-1%	3%	3%	3%	2%	2%	3%	3%	5%
1995	Wet	11%	6%	5%	1%	3%	5%	-2%	3%	2%	2%	3%	2%
1996	Wet	2%	3%	2%	1%	5%	2%	2%	3%	3%	2%	2%	3%
1997	Wet	3%	3%	5%	5%	2%	3%	2%	2%	2%	2%	2%	2%
1998	Wet	3%	4%	4%	6%	5%	3%	1%	3%	3%	2%	2%	2%
1999	Wet	2%	3%	3%	2%	5%	2%	2%	3%	3%	2%	2%	2%
2000	Above Norma	2%	3%	3%	2%	5%	2%	1%	3%	4%	2%	2%	1%
2001	Dry	3%	4%	4%	5%	4%	2%	3%	2%	3%	2%	2%	2%
2002	Dry	3%	5%	5%	1%	1%	3%	3%	2%	3%	3%	2%	3%
2003	Above Norma	2%	3%	4%	3%	3%	3%	3%	3%	3%	2%	2%	1%
Average		4%	4%	4%	3%	5%	3%	3%	2%	3%	4%	2%	2%
Wet		3%	4%	2%	3%	3%	3%	2%	2%	3%	3%	2%	2%
Above Norma		3%	2%	4%	2%	3%	3%	2%	2%	3%	2%	2%	1%
Below Norma		3%	7%	4%	2%	8%	2%	2%	2%	3%	3%	2%	0%
Dry		5%	4%	5%	3%	5%	5%	4%	3%	3%	5%	0%	3%
Critical		4%	4%	5%	4%	5%	4%	3%	4%	4%	4%	6%	3%

Energy generated (GWh) at Trinity Dam : CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	82.10	34.62	11.72	11.75	10.46	8.11	17.50	70.25	33.24	44.49	54.36	50.60	429
1923	Below Normal	23.13	10.76	8.65	7.82	7.11	9.53	16.28	67.48	31.33	61.90	53.37	39.90	337
1924	Critical	11.25	6.94	7.11	33.77	22.14	8.34	16.44	28.44	16.01	29.58	27.08	18.69	226
1925	Dry	4.35	2.94	3.49	35.06	1.48	4.92	6.25	85.25	48.70	41.90	28.95	22.77	286
1926	Dry	9.82	5.98	6.02	6.19	4.72	7.56	9.39	60.16	18.45	30.78	40.79	22.64	222
1927	Wet	9.61	4.51	4.72	4.04	2.35	5.92	6.52	98.74	54.79	58.93	43.24	51.00	344
1928	Above Normal	23.41	5.27	8.14	7.66	6.73	4.20	15.05	97.53	64.37	58.73	53.37	59.45	404
1929	Critical	22.51	15.15	10.64	45.84	6.51	7.07	17.60	33.30	33.37	50.79	30.34	23.95	297
1930	Dry	10.28	6.28	11.70	6.57	5.40	6.13	16.28	60.65	18.59	49.27	29.26	23.02	243
1931	Critical	9.86	6.03	6.72	6.05	5.44	6.94	14.16	26.11	15.84	29.95	27.59	8.95	164
1932	Dry	13.07	5.84	3.97	14.46	3.09	2.86	10.61	46.01	13.96	27.08	14.60	8.28	164
1933	Critical	7.99	5.09	3.32	3.31	2.99	6.22	7.38	40.50	13.53	28.87	26.90	8.72	155
1934	Critical	4.66	3.55	3.59	3.42	3.10	3.37	14.77	25.76	16.00	30.11	27.78	26.73	163
1935	Below Normal	7.64	6.00	3.41	6.94	3.01	3.75	6.31	49.06	16.39	32.06	30.14	20.25	185
1936	Below Normal	5.13	3.93	3.99	3.37	4.62	3.90	12.98	74.66	39.94	35.86	23.67	21.85	234
1937	Below Normal	9.33	5.68	5.78	5.72	3.76	3.57	8.10	51.40	17.31	41.11	26.21	20.34	198
1938	Wet	10.51	3.30	2.87	6.58	3.39	2.71	4.73	102.33	99.53	28.16	47.54	66.79	378
1939	Dry	53.22	11.88	17.96	8.78	7.92	39.93	19.77	56.71	78.60	10.68	78.72	53.73	438
1940	Above Normal	67.27	33.18	5.85	5.03	1.58	2.40	12.15	99.50	71.67	68.55	51.92	38.47	458
1941	Wet	22.14	14.84	3.90	2.98	2.07	73.40	58.50	103.18	100.40	103.17	58.23	72.68	615
1942	Wet	51.27	12.54	97.78	58.24	47.31	7.98	15.32	102.64	58.16	70.53	50.10	69.21	641
1943	Wet	49.63	15.54	29.80	24.74	13.23	32.65	16.27	101.11	53.04	61.25	44.75	52.80	495
1944	Dry	22.12	6.03	9.26	8.52	7.54	7.94	21.76	37.93	43.78	81.38	61.12	37.32	345
1945	Below Normal	21.47	14.21	9.61	9.99	5.45	9.33	16.65	88.51	46.93	53.99	43.85	36.04	356
1946	Below Normal	11.33	4.70	3.60	4.50	6.76	6.91	11.95	99.11	71.57	57.84	52.87	49.20	380
1947	Dry	22.53	15.08	10.58	8.84	6.57	6.95	17.83	66.67	30.39	45.12	60.67	34.82	326
1948	Below Normal	10.75	6.72	7.74	5.39	9.63	10.24	12.29	84.88	41.02	23.98	40.45	10.27	263
1949	Dry	9.10	5.63	8.26	8.67	6.80	9.03	9.40	93.57	49.51	58.21	52.94	49.21	360
1950	Below Normal	22.53	15.20	10.69	10.34	9.14	8.55	14.21	66.83	31.31	51.74	44.72	36.82	322
1951	Above Normal	20.26	4.24	2.94	5.24	4.93	9.06	39.61	101.65	60.80	60.72	55.47	51.81	417
1952	Wet	23.70	15.71	4.31	5.62	3.56	18.21	63.83	103.15	61.84	98.22	51.66	69.39	519
1953	Wet	49.56	6.42	19.30	98.12	13.58	16.09	26.01	102.24	57.04	56.66	53.45	70.17	569
1954	Above Normal	51.96	35.87	25.70	18.41	46.21	57.32	59.96	102.56	91.04	61.43	73.30	52.22	676
1955	Dry	24.08	15.95	5.80	8.33	7.46	11.41	15.05	69.38	32.46	53.75	51.82	38.43	334
1956	Wet	22.21	14.79	1.99	21.64	18.27	24.12	32.11	103.11	99.86	63.62	23.34	69.12	494
1957	Above Normal	51.24	8.12	10.03	8.80	7.20	34.52	13.98	99.45	49.89	62.56	74.55	53.13	473
1958	Wet	6.55	23.14	42.39	44.48	89.82	69.34	35.57	103.18	100.34	96.47	55.14	70.11	737
1959	Below Normal	50.21	6.38	10.10	50.20	6.46	17.60	18.56	100.78	88.63	89.46	81.16	56.61	576
1960	Dry	27.77	24.22	10.25	12.42	5.60	8.99	14.22	87.36	57.14	63.43	42.92	35.20	390
1961	Dry	11.19	6.73	6.23	5.13	2.79	4.60	13.73	89.50	58.83	55.60	76.38	36.31	367
1962	Below Normal	20.96	6.75	6.34	6.83	2.81	5.62	12.99	86.14	58.05	52.51	42.44	34.95	336
1963	Wet	9.57	4.46	3.13	7.29	0.96	7.29	4.94	101.11	59.01	61.09	44.74	31.63	335
1964	Dry	7.86	5.53	21.73	19.20	34.68	8.56	19.48	70.71	42.93	80.97	60.30	36.71	409
1965	Wet	21.03	14.13	0.00	31.99	6.89	8.12	6.18	102.29	60.85	61.62	73.63	39.68	426
1966	Below Normal	8.22	4.72	5.60	13.85	4.89	32.34	50.76	99.43	55.28	62.62	87.65	63.79	489
1967	Wet	35.06	14.61	8.34	28.86	17.85	27.55	8.12	102.45	57.04	89.15	53.63	71.33	514
1968	Below Normal	54.15	8.09	14.29	19.59	68.36	23.68	16.80	98.81	81.50	69.96	63.88	58.70	578
1969	Wet	22.13	14.60	9.48	3.30	3.23	3.81	3.49	102.65	100.04	64.12	47.02	51.69	426
1970	Wet	51.30	6.65	82.68	98.12	24.90	22.89	16.19	100.99	86.81	25.90	82.30	60.21	659
1971	Wet	22.90	13.53	4.03	2.16	13.85	40.57	6.95	102.75	59.14	48.19	48.74	67.59	430
1972	Below Normal	49.45	11.48	14.68	27.43	8.68	89.83	12.82	99.02	49.92	61.36	73.03	52.29	550
1973	Above Normal	34.50	15.34	4.36	3.64	4.26	14.39	9.55	102.92	59.52	62.94	76.42	54.58	442
1974	Wet	7.81	94.63	91.95	98.12	7.64	79.85	20.80	103.10	100.13	75.46	52.09	68.30	800
1975	Wet	47.69	6.20	13.65	8.46	4.42	49.43	13.67	102.58	64.45	94.41	51.17	69.90	526
1976	Critical	53.96	17.44	20.55	69.04	7.30	7.66	13.43	69.05	51.03	80.76	54.97	36.90	482
1977	Critical	21.31	13.99	12.47	12.66	6.63	9.38	33.04	26.53	16.19	30.98	53.10	16.37	253
1978	Above Normal	32.92	2.41	1.68	0.00	2.31	1.31	4.94	93.57	91.27	53.72	39.76	8.07	332
1979	Below Normal	7.19	5.45	5.87	7.47	5.94	5.77	11.99	63.13	19.13	43.08	52.97	49.10	277
1980	Above Normal	22.08	4.67	4.93	2.41	23.70	20.82	28.57	101.56	88.24	59.81	54.98	51.22	463
1981	Dry	23.66	6.05	7.66	7.96	7.01	5.99	16.24	71.05	34.41	84.11	78.53	37.69	380
1982	Wet	21.78	5.39	3.24	17.87	64.36	36.04	21.32	102.74	98.91	28.50	12.00	57.32	469
1983	Wet	62.52	20.07	57.56	66.46	65.08	100.25	21.45	103.18	100.40	103.17	72.27	77.19	850
1984	Wet	54.12	52.92	97.78	44.85	7.98	21.52	18.29	101.76	90.88	60.25	54.18	50.44	655
1985	Dry	8.02	6.34	6.70	39.31	7.91	10.34	20.90	74.27	68.55	80.87	75.60	39.86	439
1986	Wet	23.66	7.36	7.17	7.02	0.92	2.51	56.45	100.12	73.42	69.44	51.77	39.03	439
1987	Dry	22.65	10.60	8.03	7.89	6.88	7.50	20.31	70.47	45.00	78.62	73.98	39.33	391
1988	Critical	18.88	10.33	7.13	7.38	5.43	10.94	20.68	64.72	42.20	57.26	53.55	23.97	322
1989	Dry	9.90	6.40	6.70	6.70	6.17	6.18	14.65	85.74	55.33	54.00	30.45	23.38	306
1990	Critical	10.53	6.56	6.82	6.84	6.30	7.63	17.66	53.57	18.25	30.51	33.29	22.67	221
1991	Critical	9.71	5.92	6.59	4.54	4.16	6.16	13.42	26.03	16.34	30.69	28.58	8.05	160
1992	Critical	3.51	3.89	4.09	4.00	3.70	4.67	9.01	54.43	14.29	33.39	31.89	36.26	203
1993	Above Normal	7.67	3.74	4.33	5.80	4.99	6.60	4.00	93.57	53.89	24.52	28.72	9.69	248
1994	Critical	8.05	6.24	6.51	30.30	7.77	9.00	21.01	47.36	64.33	60.88	57.78	45.16	364
1995	Wet	10.78	6.61	6.81	2.65	4.90	0.00	21.31	103.11	100.11	80.20	49.20	64.86	451
1996	Wet	46.24	14.54	34.17	31.43	92.69	42.95	22.26	102.17	60.81	62.22	45.28	10.06	565
1997	Wet	8.33	15.77	97.78	98.12	2.77	9.50	47.30	99.94	80.53	67.02	60.44	36.80	624
1998	Wet	20.92	6.86	10.34	4.40	0.00	93.93	30.85	103.09	100.40	103.17	56.17	68.28	598
1999	Wet	49.01	29.60	32.07	19.56	12.30	33.70	13.25	102.71	62.17	64.51	47.17	38.21	504
2000	Above Normal	46.87	15.50	12.76	45.55	63.55	39.82	51.15	102.60	60.73	61.40	76.01	54.14	630
2001	Dry	25.00	6.63	12.12	12.08	10.94	9.02	13.70	74.49	72.25	82.44	61.38	37.46	418
2002	Dry	21.58	14.74	10.30	5.28	7.69	8.79	17.78	93.77	62.81	66.89	61.31	37.38	408
2003	Above Normal	28.20	15.75	5.73	2.42	6.22	5.93	7.84	101.73	58.84	63.03	47.26	72.81	416
Average		25	12	15	19	13	19	19	82	56	58	51	43	412
Wet		29	17	30	32	20	32	23	102	78	69	5		

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Energy generated (GWh) at Trinity Dam : CP4B_2020

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	82.10	34.62	11.72	11.75	10.46	8.11	17.50	70.25	33.24	44.49	54.36	50.60	429
1923	Below Normal	23.13	10.76	8.65	7.82	7.11	9.53	16.28	67.48	31.33	61.90	53.37	39.90	337
1924	Critical	11.25	6.94	7.11	33.77	22.14	8.34	16.44	28.44	16.01	29.58	27.08	18.69	226
1925	Dry	4.35	2.94	3.49	36.48	1.47	4.90	6.23	85.05	48.55	41.77	28.85	22.68	287
1926	Dry	9.77	5.95	6.00	6.16	4.70	7.53	9.36	60.00	18.40	30.69	39.89	22.59	221
1927	Wet	9.59	4.50	4.71	4.04	2.34	5.91	6.51	98.68	54.74	58.87	43.20	50.94	344
1928	Above Normal	23.39	5.26	8.13	7.65	6.73	4.20	15.04	97.44	64.31	58.67	53.31	59.38	404
1929	Critical	22.48	15.12	10.63	46.03	6.49	7.06	17.57	33.24	33.32	50.70	34.62	23.71	301
1930	Dry	10.17	6.21	6.24	6.57	5.40	6.13	16.28	60.65	18.59	49.27	29.26	23.02	238
1931	Critical	9.86	6.03	6.72	6.05	5.44	7.40	14.14	26.08	15.83	29.91	27.55	8.93	164
1932	Dry	16.43	3.42	3.47	14.55	3.03	2.84	9.41	46.09	14.18	27.05	15.16	8.25	164
1933	Critical	7.89	5.05	3.76	3.29	2.96	6.18	7.34	40.31	13.47	28.75	9.86	9.28	138
1934	Critical	4.97	3.79	3.84	3.64	3.28	5.09	15.28	26.88	16.55	31.24	53.71	16.12	184
1935	Below Normal	4.65	6.11	3.47	9.78	3.02	3.76	6.32	49.13	16.41	32.10	30.19	20.29	185
1936	Below Normal	5.14	3.93	4.00	3.38	4.63	3.90	13.00	74.74	39.98	35.91	23.70	21.88	234
1937	Below Normal	9.34	5.69	5.79	5.73	3.77	3.57	8.11	51.45	17.32	41.15	26.24	20.36	199
1938	Wet	10.53	3.30	2.87	6.58	3.39	2.72	4.73	102.35	99.65	28.17	47.57	67.71	379
1939	Dry	53.22	11.88	17.96	8.78	7.92	8.09	20.14	73.18	85.33	80.04	74.65	39.67	481
1940	Above Normal	47.94	16.78	5.79	4.99	1.57	2.39	12.10	99.27	71.37	68.23	51.65	38.24	420
1941	Wet	22.01	14.75	3.87	2.96	2.06	66.15	58.50	103.18	100.40	103.17	58.23	72.68	608
1942	Wet	51.27	12.54	97.78	58.24	47.31	7.98	15.32	102.64	58.16	70.53	50.10	69.21	641
1943	Wet	49.63	15.54	29.80	24.74	13.23	32.65	16.27	101.11	53.04	61.25	44.75	52.80	495
1944	Dry	22.07	6.03	9.26	8.52	7.54	7.94	21.76	37.93	43.78	81.55	61.12	37.31	345
1945	Below Normal	21.47	14.21	9.60	9.98	5.45	9.33	16.64	88.50	58.38	53.45	43.36	35.60	366
1946	Below Normal	11.18	4.64	3.56	4.45	6.69	6.85	11.86	98.69	71.03	57.37	52.40	38.93	368
1947	Dry	22.51	15.06	10.57	10.74	9.26	9.99	17.70	66.18	30.16	54.70	52.17	25.69	325
1948	Below Normal	10.74	6.71	7.73	5.38	9.62	10.23	12.28	84.81	40.99	23.96	40.42	10.27	263
1949	Dry	17.69	5.57	8.18	8.59	6.73	3.73	9.36	93.29	49.36	58.02	52.75	49.02	362
1950	Below Normal	22.43	15.13	10.64	10.29	9.10	6.75	14.18	66.69	31.24	51.62	44.61	36.71	319
1951	Above Normal	20.20	4.23	2.93	5.23	3.05	7.98	39.88	101.65	60.80	60.71	55.46	51.80	414
1952	Wet	23.70	15.71	4.31	5.62	3.56	17.95	63.83	103.15	61.84	98.22	51.66	69.39	519
1953	Wet	49.56	6.42	19.30	98.12	13.58	16.09	26.01	102.24	57.04	56.66	53.45	70.17	569
1954	Above Normal	51.96	35.87	25.70	18.41	46.21	57.32	59.96	102.56	91.04	61.43	73.30	52.22	676
1955	Dry	24.08	15.95	6.10	8.33	7.46	11.41	15.05	69.36	32.46	59.84	51.55	58.22	340
1956	Wet	22.07	14.70	1.98	15.07	18.27	24.12	32.11	103.11	99.86	63.62	23.34	69.12	487
1957	Above Normal	51.24	8.12	10.03	8.80	7.20	34.52	13.98	99.45	49.89	62.56	74.55	53.13	473
1958	Wet	6.55	23.14	42.39	44.48	89.82	69.34	35.57	103.18	100.34	96.47	55.14	70.11	737
1959	Below Normal	50.21	6.38	10.10	50.20	6.46	17.60	18.56	100.78	88.63	89.46	81.16	56.67	576
1960	Dry	27.78	24.16	10.25	12.40	5.60	8.99	14.22	87.36	57.14	63.43	42.92	35.20	389
1961	Dry	11.19	6.73	6.23	5.13	2.79	4.60	13.73	89.50	58.83	55.60	59.14	37.00	350
1962	Below Normal	21.39	14.12	6.42	9.73	2.83	5.66	13.06	86.62	58.38	52.83	42.73	35.22	349
1963	Wet	9.81	4.50	3.15	7.33	0.97	7.32	4.96	101.30	59.23	61.33	44.93	27.38	332
1964	Dry	7.92	16.82	21.73	19.20	34.68	8.56	14.59	70.92	43.06	81.25	60.71	36.86	416
1965	Wet	21.13	14.19	0.00	36.58	6.89	8.12	6.18	102.29	60.85	61.62	73.63	52.39	444
1966	Below Normal	8.15	4.68	5.56	4.86	4.88	27.92	50.76	99.43	55.28	62.62	87.65	63.79	476
1967	Wet	35.06	14.61	8.34	28.86	17.85	27.55	8.12	102.45	57.04	89.15	53.63	71.33	514
1968	Below Normal	54.15	8.09	14.29	19.59	68.36	23.68	16.80	98.81	81.50	69.96	63.88	58.70	578
1969	Wet	22.13	14.60	9.48	3.30	3.23	3.81	3.49	102.65	100.04	64.12	47.02	51.69	426
1970	Wet	51.30	6.65	82.68	98.12	24.90	22.89	16.19	100.99	86.81	70.00	64.16	58.92	684
1971	Wet	22.37	13.22	3.94	2.12	5.82	20.10	6.95	102.75	59.14	48.19	48.74	67.59	401
1972	Below Normal	49.45	11.48	14.68	27.43	8.68	89.83	12.82	99.02	49.92	61.36	73.03	52.29	550
1973	Above Normal	34.50	15.34	4.36	3.64	4.26	14.39	9.55	102.92	59.52	62.94	76.42	54.58	442
1974	Wet	7.81	94.63	91.95	98.12	7.64	79.85	20.80	103.10	100.13	75.46	52.09	68.30	800
1975	Wet	47.69	6.20	13.65	8.46	4.42	49.43	13.67	102.58	64.45	94.41	51.17	69.90	526
1976	Critical	53.96	17.44	20.55	69.04	7.30	7.66	13.43	69.05	51.04	80.76	54.97	36.90	482
1977	Critical	21.31	13.99	12.49	12.54	6.63	9.38	33.12	26.53	16.19	30.98	53.10	16.37	253
1978	Above Normal	32.99	2.41	1.68	0.00	2.31	1.30	4.94	93.56	91.26	53.71	39.76	8.07	332
1979	Below Normal	7.19	5.44	5.87	7.47	5.94	5.77	11.99	63.12	19.13	43.08	52.97	49.09	277
1980	Above Normal	22.08	4.67	4.93	2.41	23.55	20.82	28.57	101.56	88.24	59.81	54.98	51.22	463
1981	Dry	23.66	6.05	7.66	7.96	7.01	5.99	16.24	71.05	34.41	84.11	78.56	37.69	380
1982	Wet	21.78	5.39	3.24	17.85	64.36	36.04	21.32	102.74	98.91	28.50	12.00	57.32	469
1983	Wet	62.52	20.07	57.56	66.46	65.08	100.25	21.45	103.18	100.40	103.17	72.27	77.19	850
1984	Wet	54.12	52.92	97.78	44.85	7.98	21.52	18.29	101.76	90.88	60.25	54.18	50.44	655
1985	Dry	8.02	6.34	6.70	39.31	7.91	24.31	20.72	73.01	69.39	79.99	74.61	39.25	450
1986	Wet	21.14	6.85	7.07	6.93	0.91	2.50	47.28	100.03	73.29	69.31	51.66	38.94	426
1987	Dry	22.59	10.58	8.01	10.83	6.84	7.46	20.22	70.18	47.67	78.07	70.43	37.45	390
1988	Critical	17.17	10.35	7.12	7.37	5.42	10.92	20.27	64.66	41.96	57.22	53.51	23.95	320
1989	Dry	9.89	6.39	6.69	6.69	6.17	6.17	14.64	85.69	55.29	53.96	30.43	23.36	305
1990	Critical	10.52	6.55	6.81	6.84	6.29	7.62	17.65	53.53	18.24	30.48	33.26	22.65	220
1991	Critical	9.69	5.92	6.58	6.03	4.94	6.12	13.33	25.87	16.24	30.48	28.36	7.97	162
1992	Critical	3.48	3.85	4.05	3.96	3.66	4.64	8.96	54.17	14.23	33.22	31.71	35.63	202
1993	Above Normal	7.62	3.71	4.31	5.76	4.96	6.58	3.99	93.40	53.77	24.46	28.59	9.67	247
1994	Critical	8.03	6.22	6.49	28.43	7.77	8.99	20.99	47.48	63.93	60.73	57.33	47.91	364
1995	Wet	10.72	6.58	6.77	2.64	4.89	0.00	16.90	103.11	100.11	80.20	49.20	64.86	446
1996	Wet	46.24	14.54	34.18	31.43	92.69	42.95	22.26	102.17	60.81	62.22	45.28	10.06	585
1997	Wet	8.33	15.77	97.78	98.12	2.77	9.50	47.29	99.94	80.53	67.02	60.44	36.80	624
1998	Wet	20.92	6.86	10.34	4.40	0.00	93.94	30.85	103.09	100.40	103.17	56.17	68.28	598
1999	Wet	49.01	29.60	32.07	19.56	12.30	33.70	13.25	102.71	62.17	64.51	47.17	38.21	504
2000	Above Normal	46.87	15.50	12.76	45.55	63.55	39.82	51.15	102.60	60.73	61.40	78.01	54.14	630
2001	Dry	25.00	6.63	12.12	12.08	10.94	9.02	13.70	74.49	74.06	82.33	61.29	37.40	419
2002	Dry	21.54	14.71	10.28	5.27	7.68	8.78	17.76	93.67	62.74	66.81	61.22	37.32	408
2003	Above Normal	26.99	15.73	5.73	2.42	6.22	5.92	7.84	101.73	58.83	63.02	47.25	72.80	414
Average		25	12	15	19	13	18	19	82	57	60	50	42	412
Wet		29	17	30	32	20	31	22	102	78</				

Difference in Energy generated (GWh) at Trinity Dam : CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	1	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	0	0	0	0	0	0	0	0	-1	0	0
1927	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	4	0	0
1930	Dry	0	0	-5	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1932	Dry	3	-2	-1	0	0	0	-1	0	0	0	1	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	-17	1	-1
1934	Critical	0	0	0	0	0	2	1	1	1	1	26	-11	2
1935	Below Norma	-3	0	0	3	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	1	0
1939	Dry	0	0	0	0	0	-32	0	16	7	69	-4	-14	4
1940	Above Norma	-19	-16	0	0	0	0	0	0	0	0	0	0	-3
1941	Wet	0	0	0	0	0	-7	0	0	0	0	0	0	-1
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1945	Below Norma	0	0	0	0	0	0	0	0	11	-1	0	0	1
1946	Below Norma	0	0	0	0	0	0	0	0	-1	0	0	-10	-1
1947	Dry	0	0	0	2	3	3	0	0	0	10	-8	-9	0
1948	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1949	Dry	9	0	0	0	0	-5	0	0	0	0	0	0	0
1950	Below Norma	0	0	0	0	0	-2	0	0	0	0	0	0	0
1951	Above Norma	0	0	0	0	-2	-1	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	6	0	0	0	0
1956	Wet	0	0	0	-7	0	0	0	0	0	0	0	0	-1
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1961	Dry	0	0	0	0	0	0	0	0	0	0	-17	1	-1
1962	Below Norma	0	7	0	3	0	0	0	0	0	0	0	0	1
1963	Wet	0	0	0	0	0	0	0	0	0	0	0	-4	0
1964	Dry	0	11	0	0	0	0	-5	0	0	0	0	0	1
1965	Wet	0	0	0	5	0	0	0	0	0	0	0	13	1
1966	Below Norma	0	0	0	-9	0	-4	0	0	0	0	0	0	-1
1967	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	44	-18	-1	2
1971	Wet	-1	0	0	0	-8	-20	0	0	0	0	0	0	-2
1972	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	14	0	-1	1	-1	-1	-1	1
1986	Wet	-3	-1	0	0	0	0	-9	0	0	0	0	0	-1
1987	Dry	0	0	0	3	0	0	0	0	3	-1	-4	-2	0
1988	Critical	-2	0	0	0	0	0	0	0	0	0	0	0	0
1989	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	1	1	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	-1	0
1993	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	-2	0	0	0	0	0	0	0	3	0
1995	Wet	0	0	0	0	0	0	-4	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	2	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	Above Norma	-1	0	0	0	0	0	0	0	0	0	0	0	0
Average		0	0	0	0	0	-1	0	0	0	2	-1	0	0
Wet		0	0	0	0	0	-1	-1	0	0	2	-1	0	0
Above Norma		-2	-1	0	0	0	0	0	0	0	0	0	0	0
Below Norma		0	1	0	0	0	0	0	0	1	0	0	-1	0
Dry		1	0	0	0	0	-1	0	1	1	5	-2	-1	0
Critical		0	0	0	0	0	0	0	0	0	1	1	-1	0

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Percent Difference in Energy generated (GWh) at Trinity Dam : CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1923	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1924	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1925	Dry	0%	0%	0%	4%	-1%	0%	0%	0%	0%	0%	0%	0%
1926	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-2%	0%
1927	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1928	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1929	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	14%	-1%
1930	Dry	-1%	-1%	-47%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1931	Critical	0%	0%	0%	0%	0%	7%	0%	0%	0%	0%	0%	0%
1932	Dry	26%	-41%	-13%	1%	-2%	-1%	-11%	0%	2%	0%	4%	0%
1933	Critical	-1%	-1%	13%	-1%	-1%	-1%	-1%	0%	0%	0%	-63%	6%
1934	Critical	7%	7%	7%	6%	6%	51%	3%	4%	3%	4%	93%	-40%
1935	Below Norm	-39%	2%	2%	41%	0%	0%	0%	0%	0%	0%	0%	0%
1936	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1937	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1938	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%
1939	Dry	0%	0%	0%	0%	0%	-80%	2%	29%	9%	649%	-5%	-26%
1940	Above Norm	-29%	-49%	-1%	-1%	-1%	-1%	0%	0%	0%	0%	-1%	-1%
1941	Wet	-1%	-1%	-1%	-1%	0%	-10%	0%	0%	0%	0%	0%	0%
1942	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1944	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1945	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	24%	-1%	-1%	-1%
1946	Below Norm	-1%	-1%	-1%	-1%	-1%	-1%	-1%	0%	-1%	-1%	-1%	-21%
1947	Dry	0%	0%	0%	22%	41%	44%	-1%	-1%	-1%	21%	-14%	-26%
1948	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1949	Dry	94%	-1%	-1%	-1%	-1%	-59%	0%	0%	0%	0%	0%	0%
1950	Below Norm	0%	0%	0%	0%	0%	-21%	0%	0%	0%	0%	0%	0%
1951	Above Norm	0%	0%	0%	0%	-38%	-12%	1%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1955	Dry	0%	0%	5%	0%	0%	0%	0%	0%	0%	11%	-1%	-1%
1956	Wet	-1%	-1%	-1%	-30%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1958	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1960	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1961	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-23%	2%
1962	Below Norm	2%	109%	1%	43%	1%	1%	1%	1%	1%	1%	1%	1%
1963	Wet	3%	1%	1%	1%	1%	0%	0%	0%	0%	0%	0%	-13%
1964	Dry	1%	204%	0%	0%	0%	0%	-25%	0%	0%	0%	1%	0%
1965	Wet	0%	0%	0%	14%	0%	0%	0%	0%	0%	0%	0%	32%
1966	Below Norm	-1%	-1%	-1%	-65%	0%	-14%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1968	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1969	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	170%	-22%	-2%
1971	Wet	-2%	-2%	-2%	-2%	-58%	-50%	0%	0%	0%	0%	0%	0%
1972	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1973	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1977	Critical	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%	0%	0%
1978	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1979	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1980	Above Norm	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1982	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	135%	-1%	-2%	1%	-1%	-1%	-2%
1986	Wet	-11%	-7%	-1%	-1%	-1%	-1%	-16%	0%	0%	0%	0%	0%
1987	Dry	0%	0%	0%	37%	-1%	0%	0%	0%	6%	-1%	-5%	-5%
1988	Critical	-9%	0%	0%	0%	0%	0%	-2%	0%	-1%	0%	0%	0%
1989	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1990	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	0%	33%	19%	-1%	-1%	-1%	-1%	-1%	-1%	-1%
1992	Critical	-1%	-1%	-1%	-1%	-1%	-1%	-1%	0%	0%	0%	-1%	-2%
1993	Above Norm	-1%	-1%	-1%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	-6%	0%	0%	0%	0%	-1%	0%	-1%	6%
1995	Wet	-1%	-1%	-1%	0%	0%	-21%	0%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1998	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2001	Dry	0%	0%	0%	0%	0%	0%	0%	0%	3%	0%	0%	0%
2002	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2003	Above Norm	-4%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Average		0%	3%	-1%	1%	-1%	0%	-1%	0%	1%	10%	0%	-1%
Wet		0%	0%	0%	-1%	-2%	-2%	-1%	0%	0%	7%	0%	1%
Above Norm		-3%	-4%	0%	0%	-3%	-1%	0%	0%	0%	0%	0%	0%
Below Norm		-3%	8%	0%	1%	0%	-2%	0%	0%	2%	0%	0%	-2%
Dry		7%	9%	-3%	3%	2%	2%	-2%	1%	1%	38%	-3%	-3%
Critical		0%	0%	2%	3%	2%	5%	0%	0%	0%	0%	3%	-3%

Energy Use (GWh) At Pumping Plant at Alt. Misc.: CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	10.56	6.25	1.40	1.00	5.03	1.45	11.01	26.30	3.14	20.97	22.51	10.68	120
1923	Below Normal	12.62	7.85	2.68	3.51	1.00	1.00	11.10	24.68	5.46	22.95	19.03	11.93	124
1924	Critical	11.81	7.50	1.77	3.07	1.00	1.00	4.94	12.31	1.90	9.75	1.92	2.49	59
1925	Dry	6.31	1.71	7.10	11.21	16.94	4.57	16.11	29.50	3.20	13.24	2.20	13.31	125
1926	Dry	10.11	8.00	4.36	6.54	10.83	2.19	15.43	11.92	1.00	8.33	1.37	1.83	82
1927	Wet	5.09	8.39	5.67	8.76	13.92	2.85	10.69	23.01	4.32	13.31	22.87	10.62	130
1928	Above Normal	11.95	7.44	3.05	3.71	8.13	4.90	14.05	28.40	5.91	5.51	21.97	10.99	126
1929	Critical	11.17	7.34	2.94	3.56	6.26	1.00	2.46	14.70	2.07	10.40	2.86	7.40	72
1930	Dry	8.00	5.14	5.97	9.71	12.37	2.49	8.21	23.93	1.58	4.02	6.39	9.00	97
1931	Critical	7.64	5.86	3.03	7.09	1.00	3.99	3.41	14.51	2.25	10.78	1.36	8.85	70
1932	Dry	9.41	5.18	6.79	11.18	1.19	1.00	5.09	11.12	5.83	11.80	12.41	17.28	98
1933	Critical	13.67	8.17	1.94	1.00	1.00	1.00	3.06	11.31	2.00	10.48	4.69	7.69	66
1934	Critical	10.74	3.22	5.69	4.54	1.00	1.00	3.35	10.45	1.06	8.29	1.00	2.20	53
1935	Below Normal	1.46	7.69	5.02	9.92	4.41	9.21	13.33	11.40	6.66	8.94	11.86	13.52	103
1936	Below Normal	9.20	7.80	4.26	6.83	1.27	1.66	10.44	19.91	6.55	12.84	12.37	12.99	106
1937	Below Normal	11.36	7.83	4.02	4.98	1.00	1.00	9.34	35.56	1.00	7.91	10.78	13.83	109
1938	Wet	11.15	9.27	5.50	1.00	1.00	1.00	16.49	62.03	1.91	20.23	20.56	9.93	160
1939	Dry	12.44	7.87	2.23	1.63	1.00	2.43	5.58	21.34	4.98	12.58	10.03	8.20	90
1940	Above Normal	8.59	4.40	1.00	5.03	10.15	12.89	11.61	25.39	4.57	6.03	22.99	10.66	123
1941	Wet	11.91	7.24	3.47	5.02	8.93	1.13	12.90	37.15	2.62	19.51	21.82	10.02	142
1942	Wet	12.34	7.82	2.82	3.44	1.00	1.61	12.06	29.12	2.14	20.09	22.18	10.80	125
1943	Wet	12.27	8.25	3.18	4.24	3.63	1.00	13.30	19.16	1.00	20.17	21.65	9.72	118
1944	Dry	10.65	6.66	1.84	1.44	5.33	12.74	7.22	24.91	5.17	9.75	7.36	11.58	105
1945	Below Normal	9.56	8.14	4.50	6.42	7.83	1.68	11.35	28.57	5.64	21.98	19.41	10.87	136
1946	Below Normal	12.36	7.83	3.01	4.09	1.00	8.37	7.53	24.22	5.65	12.89	21.99	7.08	116
1947	Dry	11.33	7.61	3.45	4.44	8.29	6.29	6.10	10.89	7.47	13.67	10.50	10.52	101
1948	Below Normal	7.04	7.55	1.41	4.32	9.69	8.45	14.54	25.00	5.12	21.18	17.21	10.88	132
1949	Dry	11.53	6.44	3.16	3.69	6.65	7.75	6.20	24.84	5.52	22.60	16.86	11.01	126
1950	Below Normal	10.44	6.97	2.99	3.82	7.96	5.39	15.80	16.32	10.23	11.37	23.93	13.89	129
1951	Above Normal	6.84	9.33	5.16	1.00	1.17	1.17	9.75	19.52	2.07	9.86	23.41	10.08	99
1952	Wet	11.63	7.10	2.83	3.44	9.50	8.57	15.16	52.88	2.88	18.59	20.17	9.65	162
1953	Wet	11.81	8.07	2.32	1.71	4.02	1.00	11.00	27.59	4.26	21.66	23.71	11.03	128
1954	Above Normal	12.14	8.18	3.30	4.01	6.80	1.70	11.98	23.30	3.57	2.70	22.70	9.94	110
1955	Dry	10.54	6.97	2.81	3.60	7.26	7.16	5.30	24.26	4.88	16.56	1.63	7.23	98
1956	Wet	8.88	7.92	5.02	7.63	10.48	1.00	11.30	25.10	4.36	21.92	23.42	11.65	139
1957	Above Normal	12.99	8.05	3.15	1.19	1.00	1.44	11.68	28.67	4.30	15.42	20.50	11.31	120
1958	Wet	12.05	7.69	2.95	3.70	7.80	4.43	14.34	47.23	2.36	17.62	20.01	9.46	150
1959	Below Normal	11.65	7.62	2.11	1.50	4.45	4.91	5.19	25.30	4.14	18.65	16.38	7.38	109
1960	Dry	4.09	4.20	1.00	2.18	6.51	15.51	6.78	24.25	8.62	13.47	11.60	11.65	110
1961	Dry	6.24	8.37	3.98	7.98	12.94	2.75	5.69	19.20	5.23	20.19	23.76	6.56	123
1962	Below Normal	1.19	3.70	3.24	4.14	8.11	12.10	9.08	16.93	5.68	21.91	22.27	10.89	119
1963	Wet	12.59	8.13	3.68	4.72	9.02	1.65	15.15	28.64	3.47	10.84	22.34	10.12	130
1964	Dry	11.65	7.37	2.77	3.19	2.94	5.90	5.76	24.52	7.16	12.90	9.91	11.82	106
1965	Wet	7.92	8.36	4.56	7.30	7.26	1.37	12.53	23.52	3.90	21.32	24.20	10.97	133
1966	Below Normal	11.62	8.13	3.26	4.18	6.19	1.29	6.77	14.06	1.51	17.17	22.28	10.02	106
1967	Wet	10.43	5.80	3.16	3.94	8.41	9.50	15.74	46.19	3.18	21.73	19.84	9.49	157
1968	Below Normal	11.91	9.25	2.40	1.00	1.00	1.70	7.56	25.80	4.15	18.05	18.76	7.12	109
1969	Wet	8.82	7.03	2.92	4.29	9.55	4.01	15.74	61.92	2.58	23.00	20.53	9.70	170
1970	Wet	12.36	8.10	2.42	1.00	1.00	1.19	11.99	18.85	3.34	4.85	23.74	10.81	100
1971	Wet	11.29	7.25	3.21	4.05	4.93	10.59	10.11	24.16	4.77	16.35	24.14	11.17	132
1972	Below Normal	11.43	7.50	3.14	3.88	7.81	1.00	5.24	11.52	3.15	15.16	24.25	11.76	106
1973	Above Normal	12.16	8.13	3.62	4.74	8.38	10.94	10.15	14.10	2.31	19.39	18.50	10.65	123
1974	Wet	12.41	8.17	3.19	4.45	7.72	1.08	15.41	18.24	1.00	20.86	22.21	10.20	125
1975	Wet	12.55	7.89	2.66	2.92	6.28	7.58	10.73	22.45	3.47	20.64	23.31	11.18	132
1976	Critical	13.57	8.41	3.48	4.20	5.73	1.26	5.15	11.89	1.00	9.20	2.75	3.96	71
1977	Critical	6.51	6.66	1.00	5.02	1.00	1.00	3.27	11.14	1.81	23.10	8.61	4.49	74
1978	Above Normal	8.23	3.29	4.17	10.54	17.57	9.99	15.65	42.70	1.93	18.25	20.88	9.70	163
1979	Below Normal	10.46	7.19	1.53	1.13	4.58	1.23	9.96	32.79	5.30	20.48	19.30	11.26	125
1980	Above Normal	12.30	8.13	3.22	4.43	2.50	1.00	13.91	19.71	1.00	21.34	22.06	10.38	120
1981	Dry	11.92	7.62	2.40	2.38	5.74	2.49	8.41	26.02	1.99	18.36	20.35	9.71	117
1982	Wet	5.33	7.06	2.86	3.29	8.64	10.16	15.08	55.40	2.60	18.73	20.04	10.61	160
1983	Wet	13.64	9.18	2.76	2.34	1.00	1.00	16.72	62.24	2.21	21.45	21.16	13.25	167
1984	Wet	17.56	9.85	1.00	1.00	1.00	1.00	7.98	10.25	1.74	15.24	23.94	11.03	102
1985	Dry	12.04	7.66	3.28	3.99	7.44	5.07	6.36	24.58	5.57	22.37	21.84	10.46	131
1986	Wet	10.92	7.05	3.06	3.98	9.64	1.00	11.94	44.53	6.39	1.00	24.86	13.27	138
1987	Dry	13.17	8.54	3.78	1.00	1.00	2.39	5.26	23.48	5.45	17.94	2.27	6.40	91
1988	Critical	11.44	7.47	4.03	5.87	1.00	1.00	7.28	18.54	5.27	15.55	2.25	6.49	86
1989	Dry	6.70	4.24	2.36	8.44	1.00	16.81	11.57	24.67	8.86	16.00	11.24	11.57	123
1990	Critical	7.91	7.45	2.63	6.02	2.19	6.67	3.99	17.02	3.13	12.76	4.00	4.94	79
1991	Critical	8.36	5.94	2.38	2.92	3.92	15.71	3.02	16.24	1.00	12.18	3.68	7.73	83
1992	Critical	8.44	5.49	1.89	3.15	14.52	5.18	7.04	12.86	1.00	5.54	1.00	5.55	72
1993	Above Normal	5.51	1.88	3.24	6.26	11.58	12.31	21.38	11.10	2.35	20.20	19.05	10.75	126
1994	Critical	12.02	7.75	3.06	3.54	3.83	1.00	3.84	22.58	1.00	21.24	22.13	10.67	113
1995	Wet	3.30	11.81	19.09	17.71	15.72	20.91	3.98	1.99	1.00	1.00	1.00	9.43	107
1996	Wet	14.13	20.01	21.62	11.19	1.00	1.61	1.26	1.00	1.00	1.00	1.00	10.27	85
1997	Wet	14.10	19.04	20.96	18.60	15.59	1.00	1.00	1.00	1.00	1.00	1.00	9.23	104
1998	Wet	12.00	19.36	20.87	19.24	16.10	1.66	1.91	1.19	1.00	1.00	1.00	9.53	105
1999	Wet	14.77	20.53	22.15	12.42	1.08	4.61	1.00	1.00	1.00	1.00	1.00	10.90	91
2000	Above Normal	13.85	19.44	20.73	18.51	15.78	3.91	1.98	1.00	1.00	1.00	1.00	9.48	108
2001	Dry	13.73	17.16	18.70	17.07	13.28	21.05	1.00	1.00	1.00	1.00	1.00	3.98	110
2002	Dry	13.72	16.89	22.32	23.14	1.00	18.17	1.00	1.00	1.00	1.00	1.00	10.31	111
2003	Above Normal	9.83	15.50	19.11	18.30	10.57	4.72	2.34	1.00	1.00	1.00	2.69	10.78	97
Average		10	8	5	6	6	5	9	22	3	14	14	10	113
Wet		11	10	7	6	7	4	11	29	3	14	18	11	130
Above Normal		10	8	6	7	8	6	11	20	3	12	18	10	120
Below Normal		9	8	3	4	5	4	10	22	5	17	19	11	116
Dry		10	8	5	7	7	8	7	20	5	13	10	10	108
Critical		10	7	3	4	4								

Energy Use (GWh) At Pumping Plant at Alt. Misc.: CP4B_2020

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	10.56	6.25	1.40	1.00	5.03	1.45	11.01	26.30	3.14	20.97	22.51	10.68	120
1923	Below Normal	12.62	7.85	2.68	3.51	1.00	1.00	11.10	24.68	5.46	22.95	19.03	11.93	124
1924	Critical	11.81	7.50	1.77	3.07	1.00	1.00	4.94	12.31	1.90	9.75	1.92	2.49	59
1925	Dry	6.31	1.71	7.10	11.21	16.94	4.57	16.10	29.50	3.12	13.11	2.94	13.34	126
1926	Dry	10.12	8.01	4.45	6.58	10.49	2.18	15.37	11.59	1.00	8.37	1.40	3.48	83
1927	Wet	4.12	8.46	5.69	8.82	13.57	1.58	10.69	19.43	4.34	13.69	23.57	10.60	125
1928	Above Normal	11.94	7.42	3.05	3.72	8.15	5.39	14.05	28.39	5.93	5.09	22.24	11.01	126
1929	Critical	11.18	7.36	2.95	3.59	6.29	1.00	2.45	15.27	1.76	10.46	2.90	7.45	73
1930	Dry	8.04	5.18	6.01	9.81	11.35	2.50	8.25	23.77	1.50	11.29	1.35	7.70	97
1931	Critical	7.16	6.05	3.19	7.17	1.00	4.00	3.32	14.45	2.18	10.55	1.52	8.84	69
1932	Dry	7.02	3.92	6.77	11.12	6.77	1.00	5.13	11.12	5.97	11.91	12.55	17.39	101
1933	Critical	13.78	8.26	1.45	1.00	1.00	1.00	3.06	11.32	1.99	10.48	4.67	9.93	68
1934	Critical	11.05	3.57	5.67	2.96	1.00	1.00	3.38	10.41	1.13	8.36	1.00	1.79	51
1935	Below Normal	1.50	7.73	5.10	10.00	4.48	8.35	13.14	11.40	6.62	8.95	12.17	13.52	103
1936	Below Normal	9.20	7.80	4.31	6.83	1.00	1.66	10.44	19.91	6.55	12.86	12.35	12.99	106
1937	Below Normal	11.35	7.83	4.02	5.00	1.00	1.00	9.33	35.28	1.00	8.00	10.85	13.89	109
1938	Wet	11.48	9.30	5.55	1.00	1.00	1.00	16.49	62.03	1.91	20.23	20.56	9.93	160
1939	Dry	12.26	7.86	2.22	1.61	1.00	1.26	5.81	24.55	3.66	7.75	7.33	8.89	84
1940	Above Normal	8.97	4.92	1.00	5.80	11.11	12.70	11.49	25.68	3.75	5.79	22.99	10.27	124
1941	Wet	11.49	6.93	3.37	4.18	9.15	7.19	12.92	37.11	2.59	19.48	21.79	10.07	146
1942	Wet	12.64	7.89	2.89	3.56	1.00	1.61	12.06	29.12	2.14	20.09	22.17	10.80	126
1943	Wet	12.27	8.25	3.19	4.24	3.63	1.00	13.30	19.17	1.00	20.17	21.65	9.72	118
1944	Dry	10.65	6.66	1.83	1.43	5.32	12.74	7.20	24.88	5.12	9.62	7.35	11.64	104
1945	Below Normal	9.57	8.14	4.50	6.44	7.77	1.68	11.35	27.45	5.67	22.03	19.46	10.88	135
1946	Below Normal	12.36	7.79	3.01	4.09	1.00	8.35	7.58	24.27	5.72	21.41	19.98	5.32	121
1947	Dry	11.60	7.96	3.52	4.53	8.37	3.06	6.39	10.92	6.25	11.40	9.08	10.60	94
1948	Below Normal	7.25	7.72	1.77	4.90	9.36	8.59	14.63	25.02	5.12	21.20	17.22	10.88	134
1949	Dry	11.64	6.50	3.16	3.68	6.62	7.58	6.22	25.13	5.04	23.06	21.67	10.63	131
1950	Below Normal	10.42	6.80	2.63	3.20	7.22	8.97	15.97	24.62	10.42	8.82	23.85	14.10	137
1951	Above Normal	14.04	9.52	3.77	1.00	1.00	1.17	9.75	28.66	3.80	7.17	22.67	10.24	113
1952	Wet	11.61	7.30	2.89	3.48	9.57	7.53	15.16	52.88	2.88	18.59	20.17	9.65	162
1953	Wet	11.81	8.07	2.32	1.71	4.02	1.00	11.00	27.59	4.26	21.65	23.71	11.03	128
1954	Above Normal	12.14	8.18	3.30	4.01	6.80	1.70	11.98	23.30	3.57	2.61	22.71	9.94	110
1955	Dry	10.55	6.98	2.81	3.60	7.29	1.54	5.72	24.40	6.74	19.50	3.41	7.19	100
1956	Wet	8.87	7.84	5.00	7.59	10.30	1.00	11.30	24.61	4.36	21.92	23.42	11.65	138
1957	Above Normal	12.95	8.04	3.15	1.61	1.00	1.44	11.68	28.67	4.30	15.42	20.50	11.33	120
1958	Wet	12.06	7.70	2.95	3.71	7.80	4.43	14.34	47.23	2.36	17.62	20.01	9.46	150
1959	Below Normal	11.65	7.62	2.11	1.50	4.45	4.91	5.19	25.28	4.12	18.63	16.32	7.41	109
1960	Dry	4.09	4.18	1.00	2.17	6.16	15.52	6.79	19.07	8.03	15.64	13.15	11.57	107
1961	Dry	6.21	8.37	4.25	8.00	12.97	2.06	5.67	19.16	5.24	19.64	14.16	10.99	117
1962	Below Normal	2.17	7.04	3.35	4.26	8.26	11.91	8.79	14.50	5.05	20.03	23.33	10.69	119
1963	Wet	12.53	8.40	3.51	4.40	9.19	2.34	15.12	28.57	3.42	11.52	22.32	10.14	131
1964	Dry	11.67	7.41	2.77	3.19	2.94	5.84	6.05	17.83	4.97	16.14	12.17	11.63	103
1965	Wet	8.00	8.35	4.53	7.26	7.62	1.37	12.53	23.52	3.87	21.38	24.13	11.01	134
1966	Below Normal	11.84	8.19	3.33	4.25	6.20	1.29	6.77	14.04	1.50	16.54	22.27	10.02	106
1967	Wet	10.43	6.28	2.97	3.98	8.41	9.03	15.74	46.19	3.18	21.73	19.84	9.49	157
1968	Below Normal	11.92	9.25	2.40	1.00	1.00	1.70	7.56	25.80	4.15	18.05	18.76	7.12	109
1969	Wet	9.70	7.08	2.93	4.32	9.58	3.01	15.74	61.92	2.58	23.00	20.53	9.70	170
1970	Wet	12.36	8.10	2.42	1.00	1.00	1.19	11.99	18.85	3.34	4.85	23.75	10.82	100
1971	Wet	11.30	7.25	3.21	4.05	4.93	10.60	10.11	24.16	4.77	16.35	24.15	11.17	132
1972	Below Normal	11.43	7.50	3.14	3.88	7.81	1.00	5.24	11.52	3.96	15.06	24.22	11.76	107
1973	Above Normal	12.17	8.13	3.62	4.74	8.39	10.39	10.15	14.10	2.31	19.39	19.03	10.65	123
1974	Wet	12.41	8.17	3.19	4.45	7.60	1.00	15.41	18.24	1.00	20.86	22.21	10.20	125
1975	Wet	12.55	7.89	2.66	2.92	6.28	7.58	10.73	22.67	3.47	20.40	23.31	11.18	132
1976	Critical	13.57	8.42	3.48	4.20	5.73	1.21	5.15	11.89	1.00	9.20	2.75	3.96	71
1977	Critical	6.51	6.67	1.00	4.98	1.00	1.00	3.27	11.14	1.81	22.99	8.62	4.49	73
1978	Above Normal	8.16	3.29	4.16	10.54	17.57	9.98	15.65	42.70	1.93	18.25	20.88	9.70	163
1979	Below Normal	10.46	7.19	1.53	1.12	4.58	1.26	9.97	32.92	5.20	20.34	19.34	11.18	125
1980	Above Normal	12.12	7.75	3.05	4.13	5.37	1.00	13.91	19.71	1.00	21.34	22.06	10.39	122
1981	Dry	11.92	7.61	2.40	2.38	5.74	2.49	8.41	26.03	2.00	18.36	20.80	9.71	118
1982	Wet	6.40	7.13	2.87	3.32	8.68	8.60	15.08	55.40	2.60	18.73	20.04	10.61	159
1983	Wet	13.64	9.18	2.76	2.34	1.00	1.00	16.72	62.24	2.21	21.45	21.16	13.25	167
1984	Wet	17.56	9.85	1.00	1.00	1.00	1.00	7.98	10.25	1.74	15.24	23.94	11.03	102
1985	Dry	12.04	7.66	3.28	3.99	7.44	10.47	6.20	24.77	3.38	21.97	23.18	10.26	135
1986	Wet	10.78	6.84	2.79	3.47	9.00	2.77	11.74	44.92	6.62	1.00	25.00	13.38	138
1987	Dry	13.26	8.61	3.90	1.00	1.00	2.40	5.30	23.04	5.29	17.54	2.06	6.41	90
1988	Critical	11.57	7.50	4.08	5.97	1.00	1.00	7.29	18.54	5.25	15.51	2.26	6.49	86
1989	Dry	6.70	4.23	4.35	8.46	2.03	16.99	12.10	24.16	6.53	12.59	8.72	11.58	118
1990	Critical	8.12	7.44	3.08	5.79	1.00	6.67	3.99	17.03	3.14	11.89	4.01	4.95	77
1991	Critical	8.35	5.90	2.47	3.20	3.75	15.69	3.02	16.26	1.00	12.18	3.70	7.65	83
1992	Critical	8.29	5.33	1.87	3.10	14.35	5.56	7.02	13.07	1.00	5.54	1.00	5.58	72
1993	Above Normal	5.58	2.06	2.87	6.21	11.47	12.33	21.48	11.08	2.42	20.26	19.08	10.78	126
1994	Critical	12.04	7.77	3.09	3.60	3.67	1.00	3.84	22.58	1.00	21.24	22.13	9.02	111
1995	Wet	6.31	11.83	19.28	17.76	15.77	20.86	2.47	1.99	1.00	1.00	1.00	9.43	109
1996	Wet	14.13	20.01	21.62	11.19	1.00	1.61	1.26	1.00	1.00	1.00	1.00	10.27	85
1997	Wet	14.13	19.04	20.98	18.63	15.07	1.00	1.00	1.00	1.00	1.00	1.00	9.23	103
1998	Wet	12.09	19.36	20.88	19.26	15.66	1.66	1.91	1.19	1.00	1.00	1.00	9.53	105
1999	Wet	14.77	20.53	22.15	12.42	1.08	4.61	1.00	1.00	1.00	1.00	1.00	10.90	91
2000	Above Normal	13.86	19.44	20.73	18.51	15.78	3.89	1.98	1.00	1.00	1.00	1.00	9.51	108
2001	Dry	13.74	17.17	18.72	17.07	13.29	21.08	1.00	1.00	1.00	1.00	1.00	3.90	110
2002	Dry	13.63	17.61	22.36	23.21	1.00	18.15	1.00	1.00	1.00	1.00	1.00	10.29	111
2003	Above Normal	9.83	15.50	19.09	18.28	10.78	4.69	2.34	1.00	1.00	1.00	2.70	10.78	97
Average		11	8	5	6	6	5	9	22	3	14	14	10	114
Wet		11	10	7	6	7	4	11	29	3	14	18	11	130
Above Normal		11	8	6	7	9	6	11	21	3	12	18	10	121
Below Normal		10	8	3	4	5	4	10	23	5	17	19	11	117
Dry		10	8	6	7	7	7	7	19	4	13	9	10	107
Critical		10	7	3										

Difference in Energy Use (GWh) At Pumping Plant at Alt. Misc.: CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	0	0	0	0	0	0	0	1	0	0
1926	Dry	0	0	0	0	0	0	0	0	0	0	0	2	0
1927	Wet	-1	0	0	0	0	-1	0	-4	0	0	1	0	0
1928	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	1	0	0	0	0	0
1930	Dry	0	0	0	0	-1	0	0	0	0	7	-5	-1	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1932	Dry	-2	-1	0	0	6	0	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	2	0
1934	Critical	0	0	0	-2	0	0	0	0	0	0	0	0	0
1935	Below Norma	0	0	0	0	0	-1	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	-1	0	3	-1	-5	-3	1	-1
1940	Above Norma	0	1	0	1	1	0	0	0	-1	0	0	0	0
1941	Wet	0	0	0	-1	0	6	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1945	Below Norma	0	0	0	0	0	0	0	-1	0	0	0	0	0
1946	Below Norma	0	0	0	0	0	0	0	0	9	-2	-2	0	0
1947	Dry	0	0	0	0	0	-3	0	0	-1	-2	-1	0	-1
1948	Below Norma	0	0	0	1	0	0	0	0	0	0	0	0	0
1949	Dry	0	0	0	0	0	0	0	0	0	0	5	0	0
1950	Below Norma	0	0	0	-1	-1	4	0	8	0	-3	0	0	1
1951	Above Norma	7	0	-1	0	0	0	9	2	-3	-1	0	0	1
1952	Wet	0	0	0	0	0	-1	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	-6	0	2	3	2	0	0	0
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	-5	-1	2	2	0	0	0
1961	Dry	0	0	0	0	0	-1	0	0	-1	-10	4	-1	0
1962	Below Norma	1	3	0	0	0	0	-2	-1	-2	1	0	0	0
1963	Wet	0	0	0	0	0	1	0	0	1	0	0	0	0
1964	Dry	0	0	0	0	0	0	-7	-2	3	2	0	0	0
1965	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1966	Below Norma	0	0	0	0	0	0	0	0	-1	0	0	0	0
1967	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	1	0	0	0	0	-1	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	0	1	0	0	0	0	0
1973	Above Norma	0	0	0	0	0	-1	0	0	0	1	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	Above Norma	0	0	0	0	3	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	1	0	0	0	0	-2	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	5	0	0	-2	0	1	0	0	0
1986	Wet	0	0	0	-1	-1	2	0	0	0	0	0	0	0
1987	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	Dry	0	2	0	1	0	1	-1	-2	-3	-3	0	0	0
1990	Critical	0	0	0	0	-1	0	0	0	-1	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	-2	0	0
1995	Wet	3	0	0	0	0	0	-2	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	-1	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	1	0	0	0	0	0	0	0	0	0	0	0
2003	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norma		1	0	0	0	0	0	1	0	0	0	0	0	0
Below Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Dry		0	0	0	0	0	0	-1	0	0	0	0	0	0
Critical		0	0	0	0	0	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at Alt. Misc.: CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1923	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1924	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1925	Dry	0%	0%	0%	0%	0%	0%	0%	0%	-2%	-1%	33%	0%
1926	Dry	0%	0%	2%	1%	-3%	-1%	0%	-3%	0%	1%	2%	90%
1927	Wet	-19%	1%	0%	1%	-3%	-45%	0%	-16%	0%	3%	3%	0%
1928	Above Norma	0%	0%	0%	0%	0%	10%	0%	0%	0%	-8%	1%	0%
1929	Critical	0%	0%	0%	1%	0%	0%	0%	4%	-15%	1%	2%	1%
1930	Dry	0%	1%	1%	1%	-8%	1%	1%	-1%	-5%	181%	-79%	-15%
1931	Critical	-6%	3%	5%	1%	0%	0%	-3%	0%	-3%	-2%	12%	0%
1932	Dry	-25%	-24%	0%	-1%	469%	0%	1%	0%	2%	1%	1%	1%
1933	Critical	1%	1%	-25%	0%	0%	0%	0%	0%	0%	0%	0%	29%
1934	Critical	3%	11%	0%	-35%	0%	0%	1%	0%	7%	1%	0%	-18%
1935	Above Norma	3%	0%	2%	1%	2%	-9%	-1%	0%	-1%	0%	3%	0%
1936	Below Norma	0%	0%	1%	0%	-21%	0%	0%	0%	0%	0%	0%	0%
1937	Below Norma	0%	0%	0%	0%	0%	0%	0%	-1%	0%	1%	1%	0%
1938	Wet	3%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	-1%	0%	-1%	-1%	0%	-48%	4%	15%	-26%	-38%	-27%	8%
1940	Above Norma	4%	12%	0%	15%	9%	-1%	-1%	1%	-18%	-4%	0%	-4%
1941	Wet	-4%	-4%	-3%	-17%	2%	538%	0%	0%	-1%	0%	0%	0%
1942	Wet	2%	1%	3%	3%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1944	Dry	0%	0%	0%	0%	0%	0%	0%	0%	-1%	-1%	0%	1%
1945	Below Norma	0%	0%	0%	0%	-1%	0%	0%	-4%	1%	0%	0%	0%
1946	Below Norma	0%	0%	0%	0%	0%	0%	1%	0%	1%	66%	-9%	-25%
1947	Dry	2%	5%	2%	2%	1%	-51%	5%	0%	-16%	-17%	-13%	1%
1948	Below Norma	3%	2%	26%	13%	-3%	2%	1%	0%	0%	0%	0%	0%
1949	Dry	1%	1%	0%	0%	-1%	-2%	0%	1%	-9%	2%	28%	-3%
1950	Below Norma	0%	-2%	-12%	-16%	-9%	66%	1%	51%	2%	-22%	0%	2%
1951	Above Norma	105%	2%	-27%	0%	0%	0%	0%	47%	84%	-27%	-3%	2%
1952	Wet	0%	3%	2%	1%	1%	-12%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	-3%	0%	0%
1955	Dry	0%	0%	0%	0%	0%	-78%	8%	1%	38%	18%	109%	0%
1956	Wet	0%	-1%	0%	-1%	-2%	0%	0%	-2%	0%	0%	0%	0%
1957	Above Norma	0%	0%	0%	35%	0%	0%	0%	0%	0%	0%	0%	0%
1958	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	-1%	0%	0%	0%
1960	Dry	0%	0%	0%	-1%	-5%	0%	0%	-21%	-7%	16%	13%	-1%
1961	Dry	-1%	0%	7%	0%	0%	-25%	0%	0%	0%	-3%	-40%	68%
1962	Below Norma	82%	90%	3%	3%	2%	-2%	-3%	-14%	-11%	-9%	5%	-2%
1963	Wet	0%	3%	-5%	-7%	2%	42%	0%	0%	-1%	6%	0%	0%
1964	Dry	0%	0%	0%	0%	0%	-1%	5%	-27%	-31%	25%	23%	-2%
1965	Wet	1%	0%	-1%	-1%	5%	0%	0%	0%	-1%	0%	0%	0%
1966	Below Norma	2%	1%	2%	2%	0%	0%	0%	0%	-1%	-4%	0%	0%
1967	Wet	0%	8%	-6%	1%	0%	-5%	0%	0%	0%	0%	0%	0%
1968	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1969	Wet	10%	1%	0%	1%	0%	-25%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1972	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	26%	-1%	0%	0%
1973	Above Norma	0%	0%	0%	0%	0%	-5%	0%	0%	0%	0%	3%	0%
1974	Wet	0%	0%	0%	0%	-2%	-7%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	1%	0%	-1%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	-3%	0%	0%	0%	0%	0%	0%
1977	Critical	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%	0%	0%
1978	Above Norma	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1979	Below Norma	0%	0%	0%	0%	0%	2%	0%	0%	-2%	-1%	0%	-1%
1980	Above Norma	-1%	-5%	-5%	-7%	115%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	2%	0%
1982	Wet	20%	1%	0%	1%	0%	-15%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	107%	-2%	1%	-39%	-2%	6%	-2%
1986	Wet	-1%	-3%	-9%	-13%	-7%	177%	-2%	1%	4%	0%	1%	1%
1987	Dry	1%	1%	3%	0%	0%	0%	1%	-2%	-3%	-2%	-9%	0%
1988	Critical	1%	0%	1%	2%	0%	0%	0%	0%	0%	0%	0%	0%
1989	Dry	0%	0%	85%	0%	103%	1%	5%	-2%	-26%	-21%	-22%	0%
1990	Critical	3%	0%	17%	-4%	-54%	0%	0%	0%	0%	-7%	0%	0%
1991	Critical	0%	-1%	4%	9%	-4%	0%	0%	0%	0%	0%	1%	-1%
1992	Critical	-2%	-3%	-1%	-2%	-1%	7%	0%	2%	0%	0%	0%	0%
1993	Above Norma	1%	9%	-11%	-1%	-1%	0%	0%	0%	3%	0%	0%	0%
1994	Critical	0%	0%	1%	2%	-4%	0%	0%	0%	0%	0%	0%	-15%
1995	Wet	92%	0%	1%	0%	0%	0%	-38%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	-3%	0%	0%	0%	0%	0%	0%	0%
1998	Wet	1%	0%	0%	0%	-3%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2001	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-2%
2002	Dry	-1%	4%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2003	Above Norma	0%	0%	0%	0%	2%	-1%	0%	0%	0%	0%	0%	0%
Average		3%	1%	1%	0%	7%	8%	0%	0%	-1%	2%	1%	1%
Wet		4%	0%	-1%	-1%	0%	25%	-2%	-1%	0%	0%	0%	0%
Above Norma		9%	2%	-4%	4%	11%	0%	0%	4%	6%	-3%	0%	0%
Below Norma		6%	6%	2%	0%	-2%	4%	0%	2%	1%	2%	0%	-2%
Dry		-1%	-1%	5%	0%	31%	-5%	1%	-2%	-7%	9%	2%	8%
Critical		0%	1%	0%	-2%	-5%	0%	0%	0%	-1%	-1%	1%	0%

Energy Use (GWh) At Pumping Plant at Contra Costa : CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	1.65	0.97	1.01	0.57	0.57	1.10	0.00	1.95	2.73	4.61	3.38	2.87	21
1923	Below Normal	2.49	1.64	0.85	1.20	1.05	1.22	0.00	2.17	2.76	3.44	3.38	2.85	23
1924	Critical	2.51	1.72	1.85	1.25	0.29	0.45	0.14	1.26	1.83	3.00	3.22	2.84	21
1925	Dry	2.48	1.98	1.54	1.82	1.81	1.43	2.02	2.73	4.84	4.47	3.23	2.53	31
1926	Dry	1.38	0.94	1.21	1.70	1.28	1.43	2.02	2.54	2.88	3.32	3.23	2.83	25
1927	Wet	2.49	1.95	1.77	1.71	1.52	1.08	1.40	1.96	2.52	5.09	4.45	2.68	29
1928	Above Normal	1.82	1.14	0.77	0.51	1.11	1.10	0.00	1.95	4.69	3.52	3.38	2.75	23
1929	Critical	1.29	0.98	1.57	0.38	0.53	0.58	0.14	1.91	3.08	3.32	3.07	2.62	19
1930	Dry	2.48	1.98	1.73	1.82	1.81	1.41	2.02	2.54	2.88	4.64	3.23	2.49	29
1931	Critical	2.10	1.95	1.24	1.71	1.48	1.76	2.20	2.77	3.08	3.32	3.22	2.84	28
1932	Dry	2.48	1.98	1.35	1.82	1.81	1.43	2.02	2.54	2.88	5.35	3.23	2.09	29
1933	Critical	2.01	1.95	1.36	1.71	1.24	1.76	2.20	2.77	3.08	3.32	3.22	2.84	27
1934	Critical	2.48	1.98	1.55	1.82	1.81	1.76	2.20	2.77	3.08	3.32	3.22	2.84	29
1935	Below Normal	2.48	1.98	1.80	1.82	1.81	1.22	1.72	2.17	4.72	4.52	3.22	2.74	30
1936	Below Normal	2.44	1.76	1.59	0.00	0.00	1.22	1.72	2.17	2.76	5.21	3.78	2.74	25
1937	Below Normal	2.44	1.76	1.61	0.50	0.00	1.22	1.72	4.17	4.06	3.19	3.22	2.74	27
1938	Wet	2.44	1.76	0.87	0.00	0.00	1.08	1.40	1.96	2.52	5.09	4.45	2.68	24
1939	Dry	2.35	1.53	0.60	0.35	0.28	0.68	0.00	2.54	2.88	3.32	3.23	2.21	20
1940	Above Normal	1.19	0.94	1.04	0.72	1.37	1.10	1.54	3.98	2.73	4.38	3.22	2.75	25
1941	Wet	2.36	1.57	0.99	1.25	0.63	1.08	0.00	1.96	4.04	3.25	3.34	2.68	23
1942	Wet	2.52	1.53	0.40	0.66	0.99	1.07	0.00	1.96	2.52	3.25	3.34	2.68	21
1943	Wet	2.53	1.48	0.57	0.77	1.08	1.04	0.00	1.96	2.52	4.98	3.19	2.68	23
1944	Dry	2.25	1.53	0.84	0.35	0.28	1.43	0.00	2.54	4.84	3.95	3.23	2.75	24
1945	Below Normal	1.22	1.11	1.08	0.50	0.51	1.22	1.72	2.17	4.72	4.52	3.22	2.72	25
1946	Below Normal	2.44	1.76	1.16	1.38	1.18	1.22	0.00	2.17	2.76	3.57	3.33	2.56	24
1947	Dry	1.49	1.21	1.04	0.49	1.18	1.43	0.00	2.54	2.88	3.32	3.23	2.42	21
1948	Below Normal	1.20	0.98	1.56	1.71	1.52	1.22	1.72	2.17	2.76	5.21	4.49	2.69	27
1949	Dry	1.69	1.17	1.61	0.71	1.18	0.76	0.00	2.54	2.88	4.64	3.23	2.60	23
1950	Below Normal	1.14	1.46	1.24	1.70	1.48	1.22	1.72	2.17	4.72	4.52	3.22	2.74	27
1951	Above Normal	1.50	1.76	1.61	0.21	0.00	1.10	0.00	1.95	2.73	4.59	3.38	2.58	21
1952	Wet	1.63	1.17	0.93	1.23	1.05	1.07	0.00	1.96	2.52	3.25	3.34	2.79	21
1953	Wet	2.43	1.53	0.48	1.04	1.14	1.08	0.00	1.96	2.52	3.25	3.34	2.80	22
1954	Above Normal	2.42	1.20	1.19	0.32	1.11	1.10	0.00	1.95	2.73	3.29	3.38	2.75	21
1955	Dry	1.55	1.04	0.92	0.68	0.81	1.43	0.00	2.54	2.88	3.32	3.23	2.54	21
1956	Wet	1.26	0.88	0.76	1.02	1.52	1.08	1.40	1.96	2.52	5.09	4.45	2.68	25
1957	Above Normal	2.35	1.53	1.00	1.05	0.43	1.10	0.00	1.95	4.65	3.53	3.38	2.56	24
1958	Wet	1.53	1.23	1.12	1.25	1.05	0.40	0.00	1.96	2.52	3.25	3.34	2.79	20
1959	Below Normal	2.42	1.53	0.61	0.36	1.11	1.22	0.00	2.17	4.72	3.55	3.22	2.32	23
1960	Dry	1.35	0.82	0.91	0.58	0.25	1.43	0.00	2.54	2.88	4.57	3.23	2.16	21
1961	Dry	1.07	1.12	1.77	1.71	1.50	1.43	2.02	2.54	2.88	4.64	3.23	2.28	26
1962	Below Normal	2.49	1.95	1.77	1.71	1.52	1.22	1.72	2.17	2.76	5.21	3.22	2.74	28
1963	Wet	2.44	1.76	1.61	1.38	1.18	2.10	0.18	1.96	4.48	3.39	3.19	2.68	26
1964	Dry	1.65	0.72	1.13	1.07	1.11	1.43	0.00	2.54	2.88	3.32	3.08	1.95	21
1965	Wet	1.26	1.95	1.26	1.71	1.52	2.16	0.41	2.00	2.52	5.09	3.34	2.68	26
1966	Below Normal	2.35	1.53	0.49	1.02	1.09	1.22	0.00	2.17	2.76	3.48	3.22	2.30	22
1967	Wet	1.29	1.35	0.68	1.25	1.18	1.08	0.00	1.96	2.52	3.25	3.34	2.79	21
1968	Below Normal	2.42	1.53	0.59	0.49	1.11	1.22	0.00	2.17	2.76	3.48	3.22	2.50	21
1969	Wet	1.21	0.92	1.06	0.58	1.18	1.08	0.00	1.96	2.52	5.09	3.92	2.79	22
1970	Wet	2.40	1.53	0.54	0.81	1.07	1.08	0.00	1.96	2.52	3.25	3.34	2.65	21
1971	Wet	1.50	1.38	1.13	1.02	1.11	1.08	0.00	1.96	2.52	3.25	3.34	2.68	21
1972	Below Normal	2.35	1.35	0.85	0.36	0.33	1.22	0.00	2.17	2.76	5.21	3.49	2.65	23
1973	Above Normal	1.13	1.05	1.20	1.38	1.18	1.10	0.00	1.95	4.68	4.21	3.38	2.75	24
1974	Wet	2.44	1.67	1.10	1.18	1.05	1.08	0.00	1.96	2.52	3.24	3.34	2.68	22
1975	Wet	2.52	1.53	0.60	1.07	1.11	1.08	0.00	1.96	2.52	3.24	3.34	2.68	22
1976	Critical	2.50	1.53	0.62	0.37	0.25	0.70	0.14	2.36	1.63	1.81	3.22	2.50	18
1977	Critical	2.48	1.98	1.35	1.82	1.81	1.76	2.20	2.77	3.08	3.32	3.22	2.84	29
1978	Above Normal	2.48	1.98	1.43	1.82	1.81	1.10	1.54	1.95	2.73	5.14	4.49	2.75	29
1979	Below Normal	2.44	1.67	1.57	1.25	1.05	1.22	0.69	2.17	4.72	4.52	3.22	2.59	27
1980	Above Normal	1.70	1.32	1.05	0.67	1.18	1.10	0.34	1.95	2.73	5.14	4.49	2.75	24
1981	Dry	2.44	1.67	1.07	0.29	1.05	1.43	0.00	2.54	2.88	3.32	3.23	2.07	22
1982	Wet	1.07	0.77	1.77	1.71	1.52	1.08	0.00	1.96	2.52	5.09	3.36	2.76	24
1983	Wet	2.39	1.42	0.40	0.63	0.73	0.52	0.00	1.96	2.52	3.25	3.34	2.78	20
1984	Wet	2.42	1.43	0.47	1.04	1.09	1.08	0.00	1.96	2.52	3.25	3.34	2.80	21
1985	Dry	2.32	1.05	1.06	1.07	0.80	1.43	0.00	2.54	4.84	3.32	3.02	2.00	23
1986	Wet	1.42	1.14	1.77	0.74	0.66	1.08	1.40	1.96	2.52	3.99	3.19	2.68	23
1987	Dry	2.35	1.53	0.84	0.28	0.41	0.87	0.00	2.54	2.88	3.32	3.23	2.07	20
1988	Critical	2.20	1.95	1.24	1.68	1.50	1.76	2.20	2.77	3.08	4.64	3.19	2.46	29
1989	Dry	2.19	1.98	1.47	1.82	1.75	1.43	2.02	2.54	2.88	4.64	3.23	2.65	29
1990	Critical	1.61	0.92	1.77	1.71	1.50	1.76	2.20	2.77	3.08	3.32	3.22	2.84	27
1991	Critical	2.48	1.98	1.61	1.82	1.81	1.76	2.20	2.77	3.08	3.32	3.22	2.84	29
1992	Critical	2.48	1.98	1.35	1.82	1.81	1.76	2.20	2.77	3.08	4.64	3.22	2.84	30
1993	Above Normal	2.48	1.98	1.66	1.82	1.02	1.10	1.54	1.95	2.73	5.14	4.49	2.75	29
1994	Critical	2.44	1.67	0.98	0.59	1.05	1.13	0.14	2.77	3.08	3.32	2.81	2.26	22
1995	Wet	2.32	1.98	1.35	1.78	1.81	1.08	1.40	1.96	2.52	5.09	4.45	2.68	28
1996	Wet	2.35	1.53	1.10	0.84	0.69	1.00	0.00	1.96	4.21	3.25	3.34	2.80	23
1997	Wet	2.41	1.50	0.36	0.87	1.10	1.08	0.00	1.96	4.28	3.25	3.34	2.68	23
1998	Wet	1.77	0.93	0.66	0.38	0.68	1.08	0.00	1.96	2.52	4.32	3.34	2.79	20
1999	Wet	2.43	1.53	0.48	1.04	1.11	1.08	0.00	1.96	2.52	3.25	3.34	2.64	21
2000	Above Normal	2.16	1.30	1.57	0.49	0.67	1.10	0.00	1.95	4.43	4.67	3.38	2.75	24
2001	Dry	2.35	1.67	1.77	0.36	1.52	1.18	0.00	2.54	2.88	3.32	3.23	2.46	23
2002	Dry	1.18	1.95	0.78	1.71	1.52	1.43	0.76	2.54	2.88	4.24	3.23	2.42	25
2003	Above Normal	2.49	1.95	1.24	1.71	3.35	1.10	0.53	1.95	4.69	4.45	3.22	2.75	29
Average		2	1	1	1	1	1	1	2	3	4	3	3	24
Wet		2	1	1	1	1	1	0	2	3	4	4	3	23
Above Normal		2	1	1	1	1	1	0	2	4	4	4	3	25
Below Normal		2	2	1	1	1	1	1	2	4	4	3	3	25
Dry		2	1	1	1	1	1	1	3	3	4	3	2	24
Critical		2	2	1	1	1	1	2	3	3	3	3	3	26

Shasta Lake Water Resource Investigation
Socioeconomic Appendix - Power and Energy Technical Report

Energy Use (GWh) At Pumping Plant at Contra Costa : CP4B_2020

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	1.65	0.97	1.01	0.57	0.57	1.10	0.00	1.95	2.73	4.61	3.38	2.87	21
1923	Below Normal	2.49	1.64	0.85	1.20	1.05	1.22	0.00	2.17	2.76	3.44	3.38	2.85	23
1924	Critical	2.51	1.72	1.85	1.25	0.29	0.45	0.14	1.26	1.83	3.30	3.22	2.84	21
1925	Dry	2.48	1.98	1.54	1.82	1.81	1.43	2.02	2.73	4.84	4.47	3.23	2.53	31
1926	Dry	1.38	0.94	1.21	1.70	1.28	1.43	2.02	2.54	2.88	3.32	3.23	2.83	25
1927	Wet	2.49	1.95	1.77	1.71	1.52	1.08	1.40	1.96	2.52	5.09	4.45	2.68	29
1928	Above Normal	1.82	1.14	0.77	0.51	1.11	1.10	0.00	1.95	4.69	3.52	3.38	2.75	23
1929	Critical	1.29	0.98	1.57	0.38	0.53	0.58	0.14	1.91	3.08	3.32	3.07	2.62	19
1930	Dry	2.48	1.98	1.73	1.82	1.81	1.41	2.02	2.54	2.88	4.64	3.23	2.49	29
1931	Critical	2.10	1.95	1.24	1.71	1.48	1.76	2.20	2.77	3.08	3.32	3.22	2.84	28
1932	Dry	2.48	1.98	1.35	1.82	1.81	1.43	2.02	2.54	2.88	5.35	3.23	2.09	29
1933	Critical	2.01	1.95	1.36	1.71	1.24	1.76	2.20	2.77	3.08	3.32	3.22	2.84	27
1934	Critical	2.48	1.98	1.55	1.82	1.81	1.76	2.20	2.77	3.08	3.32	3.22	2.84	29
1935	Below Normal	2.48	1.98	1.80	1.82	1.81	1.22	1.72	2.17	4.72	4.52	3.22	2.74	30
1936	Below Normal	2.44	1.76	1.59	0.00	0.00	1.22	1.72	2.17	2.76	5.21	3.78	2.74	25
1937	Below Normal	2.44	1.76	1.61	0.50	0.00	1.22	1.72	4.17	4.06	3.19	3.22	2.74	27
1938	Wet	2.44	1.76	0.87	0.00	0.00	1.08	1.40	1.96	2.52	5.09	4.45	2.68	24
1939	Dry	2.35	1.53	0.60	0.35	0.28	0.68	0.00	2.54	2.88	3.32	3.23	2.21	20
1940	Above Normal	1.19	0.94	1.04	0.72	1.37	1.10	1.54	3.98	2.73	4.38	3.22	2.75	25
1941	Wet	2.36	1.57	0.99	1.25	0.63	1.08	0.00	1.96	4.04	3.25	3.34	2.68	23
1942	Wet	2.52	1.53	0.40	0.66	0.99	1.07	0.00	1.96	2.52	3.25	3.34	2.68	21
1943	Wet	2.53	1.48	0.57	0.77	1.08	1.04	0.00	1.96	2.52	4.98	3.19	2.68	23
1944	Dry	2.25	1.53	0.84	0.35	0.28	1.43	0.00	2.54	4.84	3.95	3.23	2.75	24
1945	Below Normal	1.22	1.11	1.08	0.50	0.51	1.22	1.72	2.17	4.72	4.52	3.22	2.72	25
1946	Below Normal	2.44	1.76	1.16	1.38	1.18	1.22	0.00	2.17	2.76	3.57	3.33	2.56	24
1947	Dry	1.49	1.21	1.04	0.49	1.18	1.43	0.00	2.54	2.88	3.32	3.23	2.42	21
1948	Below Normal	1.20	0.98	1.56	1.71	1.52	1.22	1.72	2.17	2.76	5.21	4.49	2.69	27
1949	Dry	1.69	1.17	1.61	0.71	1.18	0.76	0.00	2.54	2.88	4.64	3.23	2.60	23
1950	Below Normal	1.14	1.46	1.24	1.70	1.48	1.22	1.72	2.17	4.72	4.52	3.22	2.74	27
1951	Above Normal	1.50	1.76	1.61	0.21	0.00	1.10	0.00	1.95	2.73	4.59	3.38	2.58	21
1952	Wet	1.63	1.17	0.93	1.23	1.05	1.07	0.00	1.96	2.52	3.25	3.34	2.79	21
1953	Wet	2.43	1.53	0.48	1.04	1.14	1.08	0.00	1.96	2.52	3.25	3.34	2.80	22
1954	Above Normal	2.42	1.20	1.19	0.32	1.11	1.10	0.00	1.95	2.73	3.29	3.38	2.75	21
1955	Dry	1.55	1.04	0.92	0.68	0.81	1.43	0.00	2.54	2.88	3.32	3.23	2.54	21
1956	Wet	1.26	0.88	0.76	1.02	1.52	1.08	1.40	1.96	2.52	5.09	4.45	2.68	25
1957	Above Normal	2.35	1.53	1.00	1.05	0.43	1.10	0.00	1.95	4.65	3.53	3.38	2.56	24
1958	Wet	1.53	1.23	1.12	1.25	1.05	0.40	0.00	1.96	2.52	3.25	3.34	2.79	20
1959	Below Normal	2.42	1.53	0.61	0.36	1.11	1.22	0.00	2.17	4.72	3.55	3.22	2.32	23
1960	Dry	1.35	0.82	0.91	0.58	0.25	1.43	0.00	2.54	2.88	4.57	3.23	2.16	21
1961	Dry	1.07	1.12	1.77	1.71	1.50	1.43	2.02	2.54	2.88	4.64	3.23	2.28	26
1962	Below Normal	2.49	1.95	1.77	1.71	1.52	1.22	1.72	2.17	2.76	5.21	3.22	2.74	28
1963	Wet	2.44	1.76	1.61	1.38	1.18	2.10	0.18	1.96	4.48	3.39	3.19	2.68	26
1964	Dry	1.65	0.72	1.13	1.07	1.11	1.43	0.00	2.54	2.88	3.32	3.08	1.95	21
1965	Wet	1.26	1.95	1.26	1.71	1.52	2.16	0.41	2.00	2.52	5.09	3.34	2.68	26
1966	Below Normal	2.35	1.53	0.49	1.02	1.09	1.22	0.00	2.17	2.76	3.48	3.22	2.30	22
1967	Wet	1.29	1.35	0.68	1.25	1.18	1.08	0.00	1.96	2.52	3.25	3.34	2.79	21
1968	Below Normal	2.42	1.53	0.59	0.49	1.11	1.22	0.00	2.17	2.76	3.48	3.22	2.50	21
1969	Wet	1.21	0.92	1.06	0.58	1.18	1.08	0.00	1.96	2.52	5.09	3.92	2.79	22
1970	Wet	2.40	1.53	0.54	0.81	1.07	1.08	0.00	1.96	2.52	3.25	3.34	2.65	21
1971	Wet	1.50	1.38	1.13	1.02	1.11	1.08	0.00	1.96	2.52	3.25	3.34	2.68	21
1972	Below Normal	2.35	1.35	0.85	0.36	0.33	1.22	0.00	2.17	2.76	5.21	3.49	2.65	23
1973	Above Normal	1.13	1.05	1.20	1.38	1.18	1.10	0.00	1.95	4.68	4.21	3.38	2.75	24
1974	Wet	2.44	1.67	1.10	1.18	1.05	1.08	0.00	1.96	2.52	3.24	3.34	2.68	22
1975	Wet	2.52	1.53	0.60	1.07	1.11	1.08	0.00	1.96	2.52	3.24	3.34	2.68	22
1976	Critical	2.50	1.53	0.62	0.37	0.25	0.70	0.14	2.36	1.63	1.81	3.22	2.50	18
1977	Critical	2.48	1.98	1.35	1.82	1.81	1.76	2.20	2.77	3.08	3.32	3.22	2.84	29
1978	Above Normal	2.48	1.98	1.43	1.82	1.81	1.10	1.54	1.95	2.73	5.14	4.49	2.75	29
1979	Below Normal	2.44	1.67	1.57	1.25	1.05	1.22	0.69	2.17	4.72	4.52	3.22	2.59	27
1980	Above Normal	1.70	1.32	1.05	0.67	1.18	1.10	0.34	1.95	2.73	5.14	4.49	2.75	24
1981	Dry	2.44	1.67	1.07	0.29	1.05	1.43	0.00	2.54	2.88	3.32	3.23	2.07	22
1982	Wet	1.07	0.77	1.77	1.71	1.52	1.08	0.00	1.96	2.52	5.09	3.36	2.76	24
1983	Wet	2.39	1.42	0.40	0.63	0.73	0.52	0.00	1.96	2.52	3.25	3.34	2.78	20
1984	Wet	2.42	1.43	0.47	1.04	1.09	1.08	0.00	1.96	2.52	3.25	3.34	2.80	21
1985	Dry	2.32	1.05	1.06	1.07	0.80	1.43	0.00	2.54	4.84	3.32	3.02	2.00	23
1986	Wet	1.42	1.14	1.77	0.74	0.66	1.08	1.40	1.96	2.52	3.99	3.19	2.68	23
1987	Dry	2.35	1.53	0.84	0.28	0.41	0.87	0.00	2.54	2.88	3.32	3.23	2.07	20
1988	Critical	2.20	1.95	1.24	1.68	1.50	1.76	2.20	2.77	3.08	4.64	3.19	2.46	29
1989	Dry	2.19	1.98	1.47	1.82	1.75	1.43	2.02	2.54	2.88	4.64	3.23	2.65	29
1990	Critical	1.61	0.92	1.77	1.71	1.50	1.76	2.20	2.77	3.08	3.32	3.22	2.84	27
1991	Critical	2.48	1.98	1.61	1.82	1.81	1.76	2.20	2.77	3.08	3.32	3.22	2.84	29
1992	Critical	2.48	1.98	1.35	1.82	1.81	1.76	2.20	2.77	3.08	4.64	3.22	2.84	30
1993	Above Normal	2.48	1.98	1.66	1.82	1.02	1.10	1.54	1.95	2.73	5.14	4.49	2.75	29
1994	Critical	2.44	1.67	0.98	0.59	1.05	1.13	0.14	2.77	3.08	3.32	2.81	2.26	22
1995	Wet	2.32	1.98	1.35	1.78	1.81	1.08	1.40	1.96	2.52	5.09	4.45	2.68	28
1996	Wet	2.35	1.53	1.10	0.84	0.69	1.00	0.00	1.96	4.21	3.25	3.34	2.80	23
1997	Wet	2.41	1.50	0.36	0.87	1.10	1.08	0.00	1.96	4.28	3.25	3.34	2.68	23
1998	Wet	1.77	0.93	0.66	0.38	0.68	1.08	0.00	1.96	2.52	4.32	3.34	2.79	20
1999	Wet	2.43	1.53	0.48	1.04	1.11	1.08	0.00	1.96	2.52	3.25	3.34	2.64	21
2000	Above Normal	2.16	1.30	1.57	0.49	0.67	1.10	0.00	1.95	4.43	4.67	3.38	2.75	24
2001	Dry	2.35	1.67	1.77	0.36	1.52	1.18	0.00	2.54	2.88	3.32	3.23	2.46	23
2002	Dry	1.18	1.95	0.78	1.71	1.52	1.43	0.76	2.54	2.88	4.24	3.23	2.42	25
2003	Above Normal	2.49	1.95	1.24	1.71	3.35	1.10	0.53	1.95	4.69	4.45	3.22	2.75	29
Average		2	1	1	1	1	1	1	2	3	4	3	3	24
Wet		2	1	1	1	1	1	0	2	3	4	4	3	23
Above Normal		2	1	1	1	1	1	0	2	4	4	4	3	25
Below Normal		2	2	1	1	1	1	1	2	4	4	3	3	25
Dry		2	1	1	1	1	1	1	3	3	4	3	2	24
Critical		2	2	1	1	1	1	2	3	3	3	3	3	26

Difference in Energy Use (GWh) At Pumping Plant at Contra Costa : CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1927	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1932	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1935	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1940	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1945	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1946	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1947	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1948	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1949	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1951	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1961	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1963	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1965	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1966	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Below Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Dry		0	0	0	0	0	0	0	0	0	0	0	0	0
Critical		0	0	0	0	0	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at Contra Costa : CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1923	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1924	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1925	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1926	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1927	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1928	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1929	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1930	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1931	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1932	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1933	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1934	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1935	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1936	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1937	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1938	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1940	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1942	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1944	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1945	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1946	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1947	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1948	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1949	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1950	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1951	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1955	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1956	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1958	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1960	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1961	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1962	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1963	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1964	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1965	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1966	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1968	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1969	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1972	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1973	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1977	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1978	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1979	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1980	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1982	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1986	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1987	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1988	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1989	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1990	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1992	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1993	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1995	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1998	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2001	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2002	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2003	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Average		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Wet		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Above Norma		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Below Norma		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Dry		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Critical		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Energy Use (GWh) At Pumping Plant at Corning: CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	0.18	0.00	0.00	0.00	0.00	0.04	1.02	1.11	1.25	1.33	0.96	0.54	6
1923	Below Normal	0.00	0.00	0.00	0.00	0.00	0.17	0.50	0.96	0.80	1.09	0.82	0.14	4
1924	Critical	0.11	0.02	0.00	0.00	0.00	0.01	0.03	0.03	0.04	0.04	0.03	0.01	0
1925	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.47	0.57	0.76	0.56	0.24	3
1926	Dry	0.09	0.00	0.00	0.00	0.00	0.02	0.07	0.25	0.33	0.35	0.24	0.14	1
1927	Wet	0.03	0.00	0.00	0.00	0.00	0.04	0.75	1.13	1.22	1.43	1.07	0.57	6
1928	Above Normal	0.04	0.00	0.00	0.00	0.00	0.00	0.35	0.86	0.89	0.96	0.72	0.38	4
1929	Critical	0.12	0.00	0.00	0.00	0.00	0.00	0.11	0.16	0.13	0.18	0.13	0.07	1
1930	Dry	0.03	0.01	0.00	0.00	0.00	0.00	0.18	0.33	0.43	0.47	0.35	0.16	2
1931	Critical	0.06	0.00	0.00	0.00	0.00	0.00	0.05	0.05	0.05	0.07	0.05	0.02	0
1932	Dry	0.01	0.00	0.00	0.00	0.00	0.01	0.12	0.13	0.18	0.20	0.15	0.08	1
1933	Critical	0.03	0.00	0.00	0.00	0.00	0.00	0.04	0.04	0.04	0.04	0.03	0.02	0
1934	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.12	0.13	0.15	0.11	0.06	1
1935	Below Normal	0.01	0.00	0.00	0.00	0.00	0.00	0.02	0.41	0.54	0.57	0.43	0.21	2
1936	Below Normal	0.02	0.00	0.00	0.00	0.00	0.00	0.24	0.61	0.55	0.78	0.59	0.27	3
1937	Below Normal	0.11	0.02	0.00	0.00	0.00	0.00	0.18	0.50	0.44	0.57	0.43	0.23	2
1938	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.43	1.25	1.41	1.50	1.12	0.47	6
1939	Dry	0.04	0.00	0.00	0.00	0.02	0.20	0.54	0.46	0.62	0.66	0.49	0.16	3
1940	Above Normal	0.06	0.01	0.00	0.00	0.00	0.00	0.61	1.01	1.39	1.52	1.14	0.57	6
1941	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.89	1.51	1.63	1.22	0.66	6
1942	Wet	0.07	0.00	0.00	0.00	0.00	0.00	0.24	0.93	1.45	1.61	1.21	0.63	6
1943	Wet	0.19	0.00	0.00	0.00	0.00	0.00	0.34	1.18	1.34	1.45	1.10	0.59	6
1944	Dry	0.17	0.00	0.00	0.00	0.00	0.03	0.29	0.51	0.56	0.65	0.49	0.26	3
1945	Below Normal	0.07	0.00	0.00	0.00	0.00	0.00	0.52	0.73	0.99	1.18	0.88	0.47	5
1946	Below Normal	0.00	0.00	0.00	0.00	0.00	0.03	0.85	1.06	1.13	1.17	0.90	0.48	6
1947	Dry	0.17	0.00	0.00	0.00	0.00	0.00	0.32	0.60	0.63	0.76	0.57	0.30	3
1948	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.83	1.31	1.74	1.31	0.57	6
1949	Dry	0.18	0.03	0.00	0.00	0.00	0.00	0.49	0.78	0.98	1.04	0.78	0.42	5
1950	Below Normal	0.16	0.00	0.00	0.00	0.00	0.01	0.36	0.48	0.50	0.56	0.41	0.21	3
1951	Above Normal	0.00	0.00	0.00	0.00	0.00	0.08	0.97	0.94	1.28	1.38	1.03	0.54	6
1952	Wet	0.04	0.00	0.00	0.00	0.00	0.00	0.53	1.24	1.12	1.44	1.11	0.80	6
1953	Wet	0.22	0.00	0.00	0.00	0.00	0.15	0.49	1.05	1.21	1.49	1.05	0.60	6
1954	Above Normal	0.15	0.00	0.00	0.00	0.00	0.00	0.41	1.31	1.28	1.57	0.89	0.61	6
1955	Dry	0.18	0.00	0.00	0.00	0.00	0.08	0.31	0.49	0.49	0.54	0.41	0.17	3
1956	Wet	0.07	0.00	0.00	0.00	0.00	0.15	0.92	0.66	1.23	1.46	1.10	0.53	6
1957	Above Normal	0.17	0.04	0.00	0.00	0.00	0.00	0.73	0.99	1.41	1.50	1.12	0.15	6
1958	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.32	0.88	1.33	1.55	1.26	0.66	6
1959	Below Normal	0.22	0.03	0.00	0.00	0.00	0.06	0.98	1.15	1.22	1.32	0.97	0.30	6
1960	Dry	0.21	0.04	0.00	0.00	0.00	0.00	0.12	0.31	0.39	0.41	0.31	0.16	2
1961	Dry	0.04	0.00	0.00	0.00	0.00	0.00	0.38	0.74	0.81	0.92	0.68	0.25	4
1962	Below Normal	0.13	0.00	0.00	0.00	0.00	0.00	0.58	1.05	1.08	1.31	0.96	0.49	6
1963	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.18	1.00	1.51	1.65	1.24	0.66	6
1964	Dry	0.02	0.00	0.00	0.00	0.00	0.05	0.51	0.51	0.49	0.59	0.41	0.17	3
1965	Wet	0.03	0.00	0.00	0.00	0.00	0.02	0.20	1.16	1.29	1.37	0.73	0.55	5
1966	Below Normal	0.22	0.00	0.00	0.00	0.00	0.04	0.91	1.16	1.20	1.28	0.94	0.52	6
1967	Wet	0.20	0.00	0.00	0.00	0.00	0.02	0.43	1.23	1.13	1.50	1.12	0.60	6
1968	Below Normal	0.22	0.00	0.00	0.00	0.00	0.02	0.78	1.06	1.09	1.25	0.62	0.50	6
1969	Wet	0.07	0.00	0.00	0.00	0.00	0.00	0.67	1.27	1.23	1.37	1.04	0.56	6
1970	Wet	0.08	0.02	0.00	0.00	0.00	0.00	0.54	0.89	0.74	0.99	0.74	0.40	4
1971	Wet	0.07	0.00	0.00	0.00	0.00	0.04	0.99	1.02	1.14	1.36	1.02	0.49	6
1972	Below Normal	0.20	0.00	0.00	0.00	0.00	0.23	0.76	0.75	0.88	0.97	0.72	0.25	5
1973	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.65	1.23	1.32	1.43	1.07	0.55	6
1974	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.48	1.31	1.39	1.26	1.14	0.61	6
1975	Wet	0.04	0.00	0.00	0.00	0.00	0.00	0.50	1.32	1.38	1.38	1.04	0.61	6
1976	Critical	0.00	0.00	0.00	0.00	0.02	0.09	0.17	0.25	0.26	0.28	0.17	0.08	1
1977	Critical	0.04	0.00	0.00	0.00	0.00	0.02	0.07	0.03	0.08	0.09	0.06	0.02	0
1978	Above Normal	0.01	0.00	0.00	0.00	0.00	0.00	0.19	1.16	1.44	1.55	1.16	0.51	6
1979	Below Normal	0.25	0.00	0.00	0.00	0.00	0.00	0.38	0.97	1.11	1.19	0.77	0.39	5
1980	Above Normal	0.02	0.00	0.00	0.00	0.00	0.00	0.62	1.08	1.10	1.51	1.15	0.60	6
1981	Dry	0.18	0.02	0.00	0.00	0.00	0.00	0.44	1.00	1.50	1.62	1.21	0.49	6
1982	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.51	1.42	1.18	1.57	1.21	0.35	6
1983	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.25	1.14	1.42	1.66	1.10	0.48	6
1984	Wet	0.19	0.00	0.00	0.00	0.00	0.02	0.86	1.24	1.26	1.38	0.92	0.53	6
1985	Dry	0.04	0.00	0.00	0.00	0.00	0.00	0.61	0.96	1.00	1.04	0.78	0.26	5
1986	Wet	0.06	0.00	0.00	0.00	0.00	0.00	0.30	0.63	0.95	1.02	0.76	0.13	4
1987	Dry	0.15	0.02	0.00	0.00	0.00	0.00	0.32	0.58	0.64	0.68	0.51	0.27	3
1988	Critical	0.08	0.00	0.00	0.00	0.00	0.04	0.18	0.18	0.22	0.28	0.21	0.11	1
1989	Dry	0.04	0.00	0.00	0.00	0.00	0.00	0.22	0.54	0.58	0.69	0.51	0.01	3
1990	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1991	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.18	0.21	0.23	0.17	0.09	1
1992	Critical	0.03	0.00	0.00	0.00	0.00	0.00	0.22	0.57	0.50	0.67	0.50	0.26	3
1993	Above Normal	0.02	0.01	0.00	0.00	0.00	0.00	0.56	0.81	1.17	1.70	1.22	0.69	6
1994	Critical	0.10	0.00	0.00	0.00	0.00	0.05	0.63	0.62	0.98	1.06	0.79	0.42	5
1995	Wet	0.14	0.00	0.00	0.00	0.00	0.00	0.41	0.86	1.30	1.57	1.18	0.63	6
1996	Wet	0.25	0.05	0.00	0.00	0.00	0.00	0.62	0.81	1.46	1.60	1.20	0.51	6
1997	Wet	0.05	0.00	0.00	0.00	0.00	0.04	0.98	1.07	1.01	1.31	0.86	0.46	6
1998	Wet	0.10	0.00	0.00	0.00	0.00	0.00	0.41	1.10	1.29	1.83	1.36	0.72	6
1999	Wet	0.15	0.00	0.00	0.00	0.00	0.00	0.53	1.28	1.19	1.44	1.02	0.58	6
2000	Above Normal	0.21	0.00	0.00	0.00	0.00	0.00	0.39	1.08	1.40	1.55	1.24	0.60	6
2001	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.47	0.46	0.55	0.41	0.19	2
2002	Dry	0.05	0.00	0.00	0.00	0.00	0.03	0.68	0.69	0.85	0.90	0.68	0.36	4
2003	Above Normal	0.14	0.00	0.00	0.00	0.00	0.00	0.25	0.89	1.60	1.70	1.12	0.69	6
Average		0	0	0	0	0	0	0	1	1	1	1	0	4
Wet		0	0	0	0	0	0	1	1	1	1	1	1	6
Above Normal		0	0	0	0	0	0	1	1	1	1	1	1	6
Below Normal		0	0	0	0	0	0	1	1	1	1	1	0	5
Dry		0	0	0	0	0	0	0	1	1	1	1	0	3
Critical		0	0	0	0	0	0	0	0	0	0	0	0	1

Energy Use (GWh) At Pumping Plant at Corning: CP4B_2020

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	0.18	0.00	0.00	0.00	0.00	0.04	1.02	1.11	1.25	1.33	0.96	0.54	6
1923	Below Normal	0.00	0.00	0.00	0.00	0.00	0.17	0.50	0.96	0.80	1.09	0.82	0.14	4
1924	Critical	0.11	0.02	0.00	0.00	0.00	0.01	0.03	0.03	0.04	0.04	0.03	0.01	0
1925	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.47	0.56	0.76	0.56	0.24	3
1926	Dry	0.09	0.00	0.00	0.00	0.00	0.02	0.07	0.25	0.32	0.35	0.24	0.14	1
1927	Wet	0.03	0.00	0.00	0.00	0.00	0.04	0.75	1.13	1.22	1.43	1.07	0.57	6
1928	Above Normal	0.04	0.00	0.00	0.00	0.00	0.00	0.35	0.86	0.89	0.96	0.71	0.38	4
1929	Critical	0.12	0.00	0.00	0.00	0.00	0.00	0.11	0.15	0.13	0.17	0.13	0.07	1
1930	Dry	0.02	0.00	0.00	0.00	0.00	0.00	0.18	0.32	0.42	0.46	0.34	0.16	2
1931	Critical	0.06	0.00	0.00	0.00	0.00	0.00	0.05	0.05	0.05	0.07	0.05	0.02	0
1932	Dry	0.01	0.00	0.00	0.00	0.00	0.01	0.12	0.12	0.17	0.18	0.14	0.07	1
1933	Critical	0.03	0.00	0.00	0.00	0.00	0.00	0.04	0.04	0.04	0.04	0.03	0.02	0
1934	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.11	0.12	0.14	0.10	0.05	1
1935	Below Normal	0.01	0.00	0.00	0.00	0.00	0.00	0.02	0.41	0.54	0.57	0.43	0.21	2
1936	Below Normal	0.02	0.00	0.00	0.00	0.00	0.00	0.24	0.61	0.55	0.78	0.59	0.27	3
1937	Below Normal	0.11	0.02	0.00	0.00	0.00	0.00	0.18	0.50	0.43	0.56	0.42	0.22	2
1938	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.43	1.25	1.41	1.50	1.12	0.47	6
1939	Dry	0.04	0.00	0.00	0.00	0.02	0.17	0.46	0.39	0.53	0.56	0.42	0.14	3
1940	Above Normal	0.05	0.01	0.00	0.00	0.00	0.00	0.61	1.01	1.39	1.52	1.14	0.57	6
1941	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.89	1.51	1.63	1.22	0.66	6
1942	Wet	0.07	0.00	0.00	0.00	0.00	0.00	0.24	0.93	1.45	1.61	1.21	0.63	6
1943	Wet	0.19	0.00	0.00	0.00	0.00	0.00	0.34	1.18	1.34	1.45	1.10	0.59	6
1944	Dry	0.17	0.00	0.00	0.00	0.00	0.03	0.29	0.50	0.56	0.65	0.49	0.26	3
1945	Below Normal	0.07	0.00	0.00	0.00	0.00	0.00	0.52	0.72	0.98	1.16	0.87	0.47	5
1946	Below Normal	0.00	0.00	0.00	0.00	0.00	0.02	0.84	1.04	1.10	1.14	0.88	0.47	5
1947	Dry	0.17	0.00	0.00	0.00	0.00	0.00	0.28	0.53	0.56	0.68	0.51	0.27	3
1948	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.81	1.28	1.71	1.29	0.56	6
1949	Dry	0.18	0.03	0.00	0.00	0.00	0.00	0.49	0.78	0.98	1.04	0.78	0.42	5
1950	Below Normal	0.16	0.00	0.00	0.00	0.00	0.01	0.34	0.46	0.48	0.53	0.40	0.20	3
1951	Above Normal	0.00	0.00	0.00	0.00	0.00	0.08	0.97	0.94	1.28	1.38	1.03	0.54	6
1952	Wet	0.04	0.00	0.00	0.00	0.00	0.00	0.53	1.24	1.12	1.44	1.11	0.60	6
1953	Wet	0.22	0.00	0.00	0.00	0.00	0.15	0.49	1.05	1.21	1.49	1.05	0.60	6
1954	Above Normal	0.15	0.00	0.00	0.00	0.00	0.00	0.41	1.31	1.28	1.57	0.89	0.61	6
1955	Dry	0.18	0.00	0.00	0.00	0.00	0.08	0.31	0.49	0.49	0.54	0.41	0.17	3
1956	Wet	0.07	0.00	0.00	0.00	0.00	0.15	0.92	0.66	1.23	1.46	1.10	0.53	6
1957	Above Normal	0.17	0.04	0.00	0.00	0.00	0.00	0.73	0.99	1.41	1.50	1.12	0.15	6
1958	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.32	0.88	1.33	1.55	1.26	0.66	6
1959	Below Normal	0.22	0.03	0.00	0.00	0.00	0.06	0.98	1.15	1.22	1.32	0.97	0.30	6
1960	Dry	0.21	0.04	0.00	0.00	0.00	0.00	0.12	0.31	0.38	0.41	0.30	0.16	2
1961	Dry	0.04	0.00	0.00	0.00	0.00	0.00	0.37	0.73	0.80	0.91	0.68	0.25	4
1962	Below Normal	0.13	0.00	0.00	0.00	0.00	0.00	0.62	1.11	1.15	1.38	1.01	0.51	6
1963	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.18	1.00	1.51	1.65	1.24	0.66	6
1964	Dry	0.02	0.00	0.00	0.00	0.00	0.05	0.51	0.51	0.49	0.60	0.41	0.17	3
1965	Wet	0.03	0.00	0.00	0.00	0.00	0.02	0.20	1.16	1.29	1.37	0.73	0.55	5
1966	Below Normal	0.22	0.00	0.00	0.00	0.00	0.04	0.91	1.16	1.20	1.28	0.94	0.52	6
1967	Wet	0.20	0.00	0.00	0.00	0.00	0.02	0.43	1.23	1.13	1.50	1.12	0.60	6
1968	Below Normal	0.22	0.00	0.00	0.00	0.00	0.02	0.78	1.06	1.09	1.25	0.62	0.50	6
1969	Wet	0.07	0.00	0.00	0.00	0.00	0.00	0.67	1.27	1.23	1.37	1.04	0.56	6
1970	Wet	0.08	0.02	0.00	0.00	0.00	0.00	0.54	0.89	0.74	0.99	0.74	0.40	4
1971	Wet	0.07	0.00	0.00	0.00	0.00	0.03	0.99	1.02	1.14	1.36	1.02	0.49	6
1972	Below Normal	0.20	0.00	0.00	0.00	0.00	0.23	0.76	0.75	0.88	0.97	0.72	0.25	5
1973	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.65	1.23	1.32	1.43	1.07	0.55	6
1974	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.48	1.31	1.39	1.26	1.14	0.61	6
1975	Wet	0.04	0.00	0.00	0.00	0.00	0.00	0.50	1.32	1.38	1.38	1.04	0.61	6
1976	Critical	0.00	0.00	0.00	0.00	0.02	0.09	0.17	0.25	0.26	0.28	0.17	0.08	1
1977	Critical	0.04	0.00	0.00	0.00	0.00	0.02	0.07	0.03	0.08	0.09	0.06	0.02	0
1978	Above Normal	0.01	0.00	0.00	0.00	0.00	0.00	0.19	1.16	1.44	1.55	1.16	0.51	6
1979	Below Normal	0.25	0.00	0.00	0.00	0.00	0.00	0.36	0.93	1.07	1.13	0.74	0.38	5
1980	Above Normal	0.02	0.00	0.00	0.00	0.00	0.00	0.62	1.08	1.10	1.51	1.15	0.60	6
1981	Dry	0.18	0.02	0.00	0.00	0.00	0.00	0.44	1.00	1.50	1.62	1.21	0.49	6
1982	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.51	1.42	1.18	1.57	1.21	0.35	6
1983	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.25	1.14	1.42	1.66	1.10	0.48	6
1984	Wet	0.19	0.00	0.00	0.00	0.00	0.02	0.86	1.24	1.26	1.38	0.92	0.53	6
1985	Dry	0.04	0.00	0.00	0.00	0.00	0.00	0.60	0.95	0.99	1.02	0.77	0.26	5
1986	Wet	0.06	0.00	0.00	0.00	0.00	0.00	0.29	0.62	0.92	0.99	0.74	0.13	4
1987	Dry	0.14	0.02	0.00	0.00	0.00	0.00	0.31	0.57	0.62	0.66	0.49	0.26	3
1988	Critical	0.08	0.00	0.00	0.00	0.00	0.04	0.18	0.18	0.22	0.28	0.21	0.11	1
1989	Dry	0.04	0.00	0.00	0.00	0.00	0.00	0.23	0.57	0.61	0.73	0.54	0.01	3
1990	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1991	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.18	0.21	0.23	0.18	0.09	1
1992	Critical	0.03	0.00	0.00	0.00	0.00	0.00	0.23	0.58	0.50	0.67	0.50	0.27	3
1993	Above Normal	0.02	0.01	0.00	0.00	0.00	0.00	0.56	0.81	1.17	1.70	1.22	0.69	6
1994	Critical	0.10	0.00	0.00	0.00	0.00	0.05	0.63	0.62	0.98	1.06	0.79	0.42	5
1995	Wet	0.14	0.00	0.00	0.00	0.00	0.00	0.41	0.86	1.30	1.57	1.18	0.63	6
1996	Wet	0.25	0.05	0.00	0.00	0.00	0.00	0.62	0.81	1.46	1.60	1.20	0.51	6
1997	Wet	0.05	0.00	0.00	0.00	0.00	0.04	0.98	1.07	1.01	1.31	0.86	0.46	6
1998	Wet	0.10	0.00	0.00	0.00	0.00	0.00	0.41	0.10	1.29	1.83	1.36	0.72	6
1999	Wet	0.15	0.00	0.00	0.00	0.00	0.00	0.53	1.28	1.19	1.44	1.02	0.58	6
2000	Above Normal	0.21	0.00	0.00	0.00	0.00	0.00	0.39	1.08	1.40	1.55	1.24	0.60	6
2001	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.47	0.46	0.54	0.41	0.19	2
2002	Dry	0.05	0.00	0.00	0.00	0.00	0.03	0.69	0.69	0.85	0.91	0.68	0.36	4
2003	Above Normal	0.14	0.00	0.00	0.00	0.00	0.00	0.25	0.89	1.60	1.70	1.12	0.69	6
Average		0	0	0	0	0	0	0	1	1	1	1	0	4
Wet		0	0	0	0	0	0	1	1	1	1	1	1	6
Above Normal		0	0	0	0	0	0	1	1	1	1	1	1	6
Below Normal		0	0	0	0	0	0	1	1	1	1	1	0	5
Dry		0	0	0	0	0	0	0	1	1	1	1	0	3
Critical		0	0	0	0	0	0	0	0	0	0	0	0	1

Difference in Energy Use (GWh) At Pumping Plant at Corning: CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1927	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1932	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1935	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1940	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1945	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1946	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1947	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1948	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1949	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1951	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1961	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1963	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1965	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1966	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Below Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Dry		0	0	0	0	0	0	0	0	0	0	0	0	0
Critical		0	0	0	0	0	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at Corning: CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1923	Below Norma	-	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1924	Critical	0%	0%	-	-	-	0%	0%	0%	0%	0%	0%	0%
1925	Dry	-	-	-	-	-	0%	-1%	-1%	-1%	-1%	-1%	-1%
1926	Dry	-1%	-	-	-	-	-1%	-1%	-1%	-1%	-1%	-1%	-1%
1927	Wet	-1%	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1928	Above Norma	0%	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1929	Critical	0%	-	-	-	-	-5%	-5%	-5%	-5%	-5%	-5%	-5%
1930	Dry	-5%	-5%	-	-	-	-2%	-2%	-2%	-2%	-2%	-2%	-2%
1931	Critical	-2%	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1932	Dry	0%	-	-	-	-	-6%	-6%	-6%	-6%	-6%	-6%	-6%
1933	Critical	-6%	-6%	-	-	-	0%	0%	0%	0%	0%	0%	0%
1934	Critical	0%	0%	-	-	-	-8%	-8%	-8%	-8%	-8%	-8%	-8%
1935	Above Norma	-8%	-	-	-	-	-10%	0%	0%	0%	0%	0%	0%
1936	Below Norma	0%	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1937	Below Norma	0%	0%	-	-	-	0%	-2%	-2%	-2%	-2%	-2%	-2%
1938	Wet	-	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	-	-	-	0%	-12%	-15%	-15%	-15%	-15%	-15%	-15%
1940	Above Norma	-15%	-15%	-	-	-	0%	0%	0%	0%	0%	0%	0%
1941	Wet	-	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1942	Wet	0%	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1944	Dry	0%	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1945	Below Norma	0%	-	-	-	-	-1%	-1%	-1%	-1%	-1%	-1%	-1%
1946	Below Norma	-	-	-	-	-	-2%	-2%	-2%	-2%	-2%	-2%	-2%
1947	Dry	-2%	-	-	-	-	-11%	-11%	-11%	-11%	-11%	-11%	-11%
1948	Below Norma	-	-	-	-	-	-1%	-2%	-2%	-2%	-2%	-2%	-1%
1949	Dry	-1%	-1%	-	-	-	0%	0%	0%	0%	0%	0%	0%
1950	Below Norma	0%	-	-	-	-	-5%	-4%	-4%	-4%	-4%	-4%	-4%
1951	Above Norma	-	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1954	Above Norma	0%	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1955	Dry	0%	-	-	-	-	-1%	-1%	-1%	-1%	-1%	-1%	-1%
1956	Wet	-1%	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1957	Above Norma	0%	0%	-	-	-	0%	0%	0%	0%	0%	0%	0%
1958	Wet	-	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	-	-	-	0%	0%	0%	0%	0%	0%	0%
1960	Dry	0%	0%	-	-	-	0%	0%	0%	0%	0%	0%	0%
1961	Dry	0%	-	-	-	-	-1%	-1%	-1%	-1%	-1%	-1%	-1%
1962	Below Norma	-1%	-	-	-	-	6%	6%	6%	6%	6%	6%	6%
1963	Wet	-	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1964	Dry	0%	-	-	-	-	1%	1%	1%	1%	1%	1%	1%
1965	Wet	1%	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1966	Below Norma	0%	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1968	Below Norma	0%	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1969	Wet	0%	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	-	-	-	0%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	-	-	-	-	-5%	0%	0%	0%	0%	0%	0%
1972	Below Norma	0%	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1973	Above Norma	-	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1974	Wet	-	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1976	Critical	-	-	-	-	0%	0%	0%	0%	0%	0%	0%	0%
1977	Critical	0%	0%	-	-	-	0%	0%	0%	0%	0%	0%	0%
1978	Above Norma	0%	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1979	Below Norma	0%	-	-	-	-	-4%	-4%	-4%	-4%	-4%	-4%	-4%
1980	Above Norma	-4%	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	-	-	-	0%	0%	0%	0%	0%	0%	0%
1982	Wet	-	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1983	Wet	-	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	-	-	-	-	-1%	-1%	-1%	-1%	-1%	-1%	-1%
1986	Wet	-1%	-	-	-	-	-2%	-2%	-2%	-2%	-2%	-2%	-2%
1987	Dry	-2%	-2%	-	-	-	-2%	-2%	-2%	-2%	-2%	-2%	-2%
1988	Critical	-2%	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1989	Dry	0%	-	-	-	-	6%	6%	6%	6%	6%	6%	6%
1990	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1991	Critical	-	-	-	-	-	1%	1%	1%	1%	1%	1%	1%
1992	Critical	1%	1%	-	-	-	1%	1%	1%	1%	1%	1%	1%
1993	Above Norma	1%	1%	-	-	-	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1995	Wet	0%	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	-	-	-	0%	0%	0%	0%	0%	0%	0%
1997	Wet	0%	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1998	Wet	0%	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
2000	Above Norma	0%	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
2001	Dry	-	-	-	-	-	-1%	-1%	-1%	-1%	-1%	-1%	-1%
2002	Dry	-1%	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
2003	Above Norma	0%	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
Average		-1%	-2%	#DIV/0!	#DIV/0!	0%	-1%	-1%	-1%	-1%	-1%	-1%	-1%
Wet		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Above Norma		-2%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Below Norma		-1%	0%	0%	0%	0%	0%	-1%	-1%	-1%	-1%	-1%	-1%
Dry		-1%	0%	0%	0%	0%	-1%	-2%	-2%	-2%	-2%	-2%	-2%
Critical		-1%	0%	0%	0%	0%	-1%	-1%	-1%	-1%	-1%	-1%	-1%

Energy Use (GWh) At Pumping Plant at CVP Banks: CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.39	0.00	15
1923	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	0.00	0.00	4
1924	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1925	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1926	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1927	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.17	0.00	9
1928	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.65	0.00	6
1929	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1930	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1931	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1932	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1933	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1934	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1935	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1936	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1937	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1938	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.39	0.00	15
1939	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1940	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
1941	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.39	0.00	15
1942	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.39	0.00	15
1943	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.39	0.00	15
1944	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1945	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.08	0.00	0.00	3
1946	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.45	0.00	4
1947	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1948	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.30	0.00	0.00	1
1949	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.33	0.00	0.00	2
1950	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.56	0.00	1
1951	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
1952	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.39	0.00	15
1953	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.39	0.00	15
1954	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
1955	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1956	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.39	0.00	15
1957	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.68	0.00	6
1958	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.39	0.00	15
1959	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1960	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1961	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
1962	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.38	0.00	6
1963	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
1964	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1965	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.57	10.39	0.00	12
1966	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
1967	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.39	0.00	15
1968	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1969	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.39	0.00	15
1970	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
1971	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.10	0.00	10
1972	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
1973	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.00	0
1974	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.39	0.00	15
1975	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.49	10.39	0.00	13
1976	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1977	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1978	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
1979	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1980	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.39	0.00	15
1981	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.83	8.57	0.00	11
1982	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.39	0.00	15
1983	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.09	0.00	15
1984	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
1985	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	6.27	0.00	11
1986	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
1987	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1988	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1989	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1990	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1991	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1992	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1993	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1994	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.37	9.31	0.00	13
1995	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
1996	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.39	0.00	15
1997	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.52	0.00	7
1998	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
1999	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
2000	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
2001	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
2002	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.90	0.00	0.00	3
2003	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
Average		0	0	0	0	0	0	0	0	0	1	5	0	6
Wet		0	0	0	0	0	0	0	0	0	3	10	0	13
Above Normal		0	0	0	0	0	0	0	0	0	1	8	0	9
Below Normal		0	0	0	0	0	0	0	0	0	1	2	0	3
Dry		0	0	0	0	0	0	0	0	0	1	1	0	2
Critical		0	0	0	0	0	0	0	0	0	0	1	0	1

Energy Use (GWh) At Pumping Plant at CVP Banks: CP4B_2020

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.39	0.00	15
1923	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	0.00	0.00	4
1924	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1925	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1926	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1927	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
1928	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.27	0.00	6
1929	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1930	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1931	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1932	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1933	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1934	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1935	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1936	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1937	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1938	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.39	0.00	15
1939	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1940	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
1941	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.39	0.00	15
1942	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.39	0.00	15
1943	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.39	0.00	15
1944	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1945	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.08	0.00	0.00	3
1946	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1947	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1948	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.32	0.00	0.00	1
1949	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	5.69	0.00	10
1950	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1951	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
1952	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.39	0.00	15
1953	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.39	0.00	15
1954	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
1955	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1956	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.39	0.00	15
1957	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.67	0.00	6
1958	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.39	0.00	15
1959	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1960	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1961	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1962	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
1963	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
1964	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1965	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.21	10.39	0.00	13
1966	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
1967	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.39	0.00	15
1968	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1969	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.39	0.00	15
1970	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
1971	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.10	0.00	10
1972	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
1973	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.64	0.00	2
1974	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.39	0.00	15
1975	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.62	10.39	0.00	12
1976	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1977	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1978	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
1979	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1980	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.39	0.00	15
1981	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.83	9.79	0.00	13
1982	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.39	0.00	15
1983	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.09	0.00	15
1984	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
1985	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.39	0.00	15
1986	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
1987	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1988	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1989	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1990	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1991	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1992	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1993	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1994	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.37	9.31	0.00	13
1995	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
1996	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.46	10.39	0.00	15
1997	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.98	0.00	8
1998	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
1999	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
2000	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
2001	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
2002	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.90	0.00	0.00	3
2003	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.00	10
Average		0	0	0	0	0	0	0	0	0	1	5	0	6
Wet		0	0	0	0	0	0	0	0	0	3	10	0	13
Above Normal		0	0	0	0	0	0	0	0	0	1	8	0	9
Below Normal		0	0	0	0	0	0	0	0	0	1	2	0	3
Dry		0	0	0	0	0	0	0	0	0	1	1	0	2
Critical		0	0	0	0	0	0	0	0	0	0	1	0	1

Difference in Energy Use (GWh) At Pumping Plant at CVP Banks: CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1927	Wet	0	0	0	0	0	0	0	0	0	0	1	0	0
1928	Above Norma	0	0	0	0	0	0	0	0	0	0	1	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1932	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1935	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1940	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1945	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1946	Below Norma	0	0	0	0	0	0	0	0	0	0	-4	0	0
1947	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1948	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1949	Dry	0	0	0	0	0	0	0	0	0	2	6	0	1
1950	Below Norma	0	0	0	0	0	0	0	0	0	0	-1	0	0
1951	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1961	Dry	0	0	0	0	0	0	0	0	0	0	-10	0	-1
1962	Below Norma	0	0	0	0	0	0	0	0	0	0	4	0	0
1963	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1965	Wet	0	0	0	0	0	0	0	0	0	1	0	0	0
1966	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Norma	0	0	0	0	0	0	0	0	0	0	1	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	-1	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	1	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	4	0	0
1986	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	1	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Below Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Dry		0	0	0	0	0	0	0	0	0	0	0	0	0
Critical		0	0	0	0	0	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at CVP Banks: CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma-	-	-	-	-	-	-	-	-	-	0%	0%	-
1923	Below Norma-	-	-	-	-	-	-	-	-	-	0%	-	-
1924	Critical	-	-	-	-	-	-	-	-	-	-100%	-80%	-
1925	Dry	-	-	-	-	-	-	-	-	-	-	-69%	-
1926	Dry	-	-	-	-	-	-	-	-	-	-	-	-
1927	Wet	-	-	-	-	-	-	-	-	-	-	13%	-
1928	Above Norma-	-	-	-	-	-	-	-	-	-	-100%	11%	-
1929	Critical	-	-	-	-	-	-	-	-	-	2%	-70%	-
1930	Dry	-	-	-	-	-	-	-	-	-	-	65%	-
1931	Critical	-	-	-	-	-	-	-	-	-	-29%	-9%	-
1932	Dry	-	-	-	-	-	-	-	-	-	-	-100%	-
1933	Critical	-	-	-	-	-	-	-	-	-	114%	-100%	-
1934	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1935	Below Norma-	-	-	-	-	-	-	-	-	-	-100%	-	-
1936	Below Norma-	-	-	-	-	-	-	-	-	-	-	-80%	-
1937	Below Norma-	-	-	-	-	-	-	-	-	-	-	-100%	-
1938	Wet	-	-	-	-	-	-	-	-	-	0%	0%	-
1939	Dry	-	-	-	-	-	-	-	-	-	-	-	-
1940	Above Norma-	-	-	-	-	-	-	-	-	-	-	0%	-
1941	Wet	-	-	-	-	-	-	-	-	-	0%	0%	-
1942	Wet	-	-	-	-	-	-	-	-	-	0%	0%	-
1943	Wet	-	-	-	-	-	-	-	-	-	0%	0%	-
1944	Dry	-	-	-	-	-	-	-	-	-	-	-	-
1945	Below Norma-	-	-	-	-	-	-	-	-	-	0%	-	-
1946	Below Norma-	-	-	-	-	-	-	-	-	-	-100%	-100%	-
1947	Dry	-	-	-	-	-	-	-	-	-	-100%	-	-
1948	Below Norma-	-	-	-	-	-	-	-	-	-	1%	-	-
1949	Dry	-	-	-	-	-	-	-	-	-	91%	-	-
1950	Below Norma-	-	-	-	-	-	-	-	-	-	400%	-100%	-
1951	Above Norma-	-	-	-	-	-	-	-	-	-	-100%	0%	-
1952	Wet	-	-	-	-	-	-	-	-	-	0%	0%	-
1953	Wet	-	-	-	-	-	-	-	-	-	0%	0%	-
1954	Above Norma-	-	-	-	-	-	-	-	-	-	-	0%	-
1955	Dry	-	-	-	-	-	-	-	-	-	155%	-	-
1956	Wet	-	-	-	-	-	-	-	-	-	0%	0%	-
1957	Above Norma-	-	-	-	-	-	-	-	-	-	63%	0%	-
1958	Wet	-	-	-	-	-	-	-	-	-	0%	0%	-
1959	Below Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1960	Dry	-	-	-	-	-	-	-	-	-	-	-100%	-
1961	Dry	-	-	-	-	-	-	-	-	-	33%	-100%	-
1962	Below Norma-	-	-	-	-	-	-	-	-	-	-100%	63%	-
1963	Wet	-	-	-	-	-	-	-	-	-	-	0%	-
1964	Dry	-	-	-	-	-	-	-	-	-	-	-60%	-
1965	Wet	-	-	-	-	-	-	-	-	-	41%	0%	-
1966	Below Norma-	-	-	-	-	-	-	-	-	-	-	0%	-
1967	Wet	-	-	-	-	-	-	-	-	-	0%	0%	-
1968	Below Norma-	-	-	-	-	-	-	-	-	-	-100%	-	-
1969	Wet	-	-	-	-	-	-	-	-	-	0%	0%	-
1970	Wet	-	-	-	-	-	-	-	-	-	-	0%	-
1971	Wet	-	-	-	-	-	-	-	-	-	-	0%	-
1972	Below Norma-	-	-	-	-	-	-	-	-	-	-	0%	-
1973	Above Norma-	-	-	-	-	-	-	-	-	-	67%	539%	-
1974	Wet	-	-	-	-	-	-	-	-	-	0%	0%	-
1975	Wet	-	-	-	-	-	-	-	-	-	-35%	0%	-
1976	Critical	-	-	-	-	-	-	-	-	-	-60%	35%	-
1977	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1978	Above Norma-	-	-	-	-	-	-	-	-	-	-56%	0%	-
1979	Below Norma-	-	-	-	-	-	-	-	-	-	-	-100%	-
1980	Above Norma-	-	-	-	-	-	-	-	-	-	0%	0%	-
1981	Dry	-	-	-	-	-	-	-	-	-	0%	14%	-
1982	Wet	-	-	-	-	-	-	-	-	-	0%	0%	-
1983	Wet	-	-	-	-	-	-	-	-	-	0%	0%	-
1984	Wet	-	-	-	-	-	-	-	-	-	-100%	0%	-
1985	Dry	-	-	-	-	-	-	-	-	-	0%	66%	-
1986	Wet	-	-	-	-	-	-	-	-	-	-100%	0%	-
1987	Dry	-	-	-	-	-	-	-	-	-	-55%	-	-
1988	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1989	Dry	-	-	-	-	-	-	-	-	-	-	-	-
1990	Critical	-	-	-	-	-	-	-	-	-	-	-100%	-
1991	Critical	-	-	-	-	-	-	-	-	-	35%	-	-
1992	Critical	-	-	-	-	-	-	-	-	-	-24%	-25%	-
1993	Above Norma-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Critical	-	-	-	-	-	-	-	-	-	0%	0%	-
1995	Wet	-	-	-	-	-	-	-	-	-	-	0%	-
1996	Wet	-	-	-	-	-	-	-	-	-	0%	0%	-
1997	Wet	-	-	-	-	-	-	-	-	-	-	22%	-
1998	Wet	-	-	-	-	-	-	-	-	-	-	0%	-
1999	Wet	-	-	-	-	-	-	-	-	-	-100%	0%	-
2000	Above Norma-	-	-	-	-	-	-	-	-	-	-	0%	-
2001	Dry	-	-	-	-	-	-	-	-	-	-100%	-78%	-
2002	Dry	-	-	-	-	-	-	-	-	-	0%	-	-
2003	Above Norma-	-	-	-	-	-	-	-	-	-	-100%	0%	-
Average		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	-11%	-9%	#DIV/0!
Wet		0%	0%	0%	0%	0%	0%	0%	0%	0%	-11%	1%	0%
Above Norma		0%	0%	0%	0%	0%	0%	0%	0%	0%	-19%	46%	0%
Below Norma		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-30%	0%
Dry		0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	-20%	0%
Critical		0%	0%	0%	0%	0%	0%	0%	0%	0%	-5%	-29%	0%

Energy Use (GWh) At Pumping Plant at CVP Dos Amigos: CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	4.97	4.39	7.27	12.33	12.86	8.37	8.90	14.86	26.26	31.74	21.98	5.48	159
1923	Below Normal	4.23	3.72	6.12	10.33	10.79	7.58	8.17	13.29	23.44	28.32	19.65	4.95	141
1924	Critical	3.81	3.33	5.47	9.19	9.62	0.83	1.06	1.55	2.44	2.87	2.26	0.85	43
1925	Dry	0.60	0.43	0.56	0.74	0.90	4.06	4.71	8.73	15.29	18.45	12.89	3.34	71
1926	Dry	2.55	2.20	3.55	5.91	6.24	2.82	3.31	4.89	8.41	10.11	7.21	2.03	59
1927	Wet	1.53	1.27	1.96	3.14	3.38	7.48	8.17	13.01	22.95	27.73	19.25	4.85	115
1928	Above Normal	3.74	3.27	5.35	9.00	9.42	5.81	8.17	12.43	21.91	26.48	18.39	4.64	129
1929	Critical	3.57	3.12	5.11	8.58	8.99	1.83	2.20	3.24	5.45	6.52	4.75	1.45	55
1930	Dry	1.07	0.85	1.26	1.95	2.15	3.46	4.27	6.32	10.98	13.22	9.33	2.53	57
1931	Critical	1.92	1.62	2.56	4.18	4.44	1.03	1.29	1.89	3.04	3.61	2.76	0.97	29
1932	Dry	0.70	0.52	0.70	0.98	1.15	1.96	2.34	3.44	5.82	6.98	5.06	1.52	31
1933	Critical	1.13	0.91	1.35	2.10	2.30	0.87	1.11	1.62	2.55	3.02	2.35	0.87	20
1934	Critical	0.62	0.45	0.58	0.78	0.94	1.60	1.94	2.85	4.76	5.69	4.18	1.31	26
1935	Below Normal	0.96	0.76	1.10	1.67	1.86	0.54	1.91	7.03	12.24	14.76	10.38	2.76	56
1936	Below Normal	2.10	1.79	2.85	4.68	4.97	5.54	6.39	9.48	16.64	20.09	14.01	3.60	92
1937	Below Normal	2.75	2.39	3.87	6.45	6.80	2.58	4.79	7.32	12.76	15.38	10.81	2.86	79
1938	Wet	2.18	1.86	2.97	4.89	5.18	10.38	11.46	17.63	31.24	37.77	26.09	6.43	158
1939	Dry	4.97	4.39	7.27	12.33	12.86	4.62	6.50	9.65	16.94	20.45	14.26	3.66	118
1940	Above Normal	2.80	2.43	3.94	6.58	6.92	5.80	7.18	11.51	20.27	24.48	17.02	4.32	113
1941	Wet	3.32	2.89	4.72	7.92	8.30	7.58	8.17	15.15	26.79	32.39	22.42	5.59	145
1942	Wet	4.31	3.79	6.24	10.54	11.01	8.25	8.98	14.26	25.20	30.45	21.10	5.28	149
1943	Wet	4.08	3.57	5.88	9.90	10.35	8.95	9.32	16.30	28.84	34.87	24.11	5.97	162
1944	Dry	4.61	4.07	6.72	11.37	11.87	5.04	5.82	8.63	15.12	18.24	12.75	3.31	108
1945	Below Normal	2.53	2.18	3.51	5.84	6.16	6.17	8.17	13.53	23.88	28.85	20.01	5.03	126
1946	Below Normal	3.88	3.40	5.57	9.37	9.80	6.51	7.53	11.70	20.60	24.89	17.30	4.38	125
1947	Dry	3.37	2.94	4.80	8.05	8.44	3.76	6.37	9.46	16.61	20.04	13.98	3.59	101
1948	Below Normal	2.75	2.38	3.86	6.44	6.78	2.01	5.31	12.34	21.76	26.28	18.25	4.61	113
1949	Dry	3.55	3.10	5.07	8.51	8.92	3.05	8.17	12.33	21.74	26.26	18.24	4.61	124
1950	Below Normal	3.55	3.10	5.07	8.51	8.91	3.53	5.22	7.74	13.52	16.30	11.43	3.01	90
1951	Above Normal	2.29	1.96	3.15	5.20	5.50	7.58	8.17	13.60	24.00	29.00	17.37	5.06	123
1952	Wet	3.90	3.41	5.60	9.42	9.85	8.97	10.78	17.63	31.24	37.77	26.09	6.43	171
1953	Wet	4.97	4.39	7.27	12.33	12.86	7.57	7.57	12.76	22.50	27.18	18.87	4.76	143
1954	Above Normal	3.67	3.20	5.25	8.81	9.23	7.58	8.17	12.99	22.92	27.70	19.22	4.84	134
1955	Dry	3.73	3.26	5.35	8.98	9.41	4.58	5.31	7.87	13.75	16.59	11.63	3.05	94
1956	Wet	2.33	1.99	3.20	5.29	5.60	8.28	8.41	13.33	23.53	28.43	19.72	4.96	125
1957	Above Normal	3.83	3.35	5.49	9.23	9.66	7.58	8.17	13.75	24.27	29.33	20.34	5.11	140
1958	Wet	3.94	3.45	5.66	9.53	9.97	8.06	9.23	17.63	31.24	37.77	26.09	6.43	169
1959	Below Normal	4.97	4.39	7.27	12.33	12.86	7.30	8.16	12.71	22.41	27.07	18.80	4.74	143
1960	Dry	3.65	3.19	5.23	8.78	9.19	1.52	3.83	5.67	9.80	11.80	8.36	2.30	73
1961	Dry	1.74	1.46	2.29	3.70	3.96	4.16	7.70	11.44	20.15	24.33	16.92	4.29	102
1962	Below Normal	3.30	2.88	4.69	7.87	8.25	5.93	7.27	11.59	20.41	24.65	17.14	4.35	118
1963	Wet	3.34	2.91	4.75	7.97	8.36	7.58	8.16	13.98	24.69	29.84	20.68	5.19	137
1964	Dry	4.00	3.51	5.76	9.69	10.14	4.89	5.65	8.39	14.69	17.72	12.40	3.23	100
1965	Wet	2.46	2.12	3.41	5.67	5.98	6.05	6.96	13.20	23.29	28.14	19.53	4.92	122
1966	Below Normal	3.79	3.31	5.43	9.13	9.56	7.58	8.17	13.02	22.96	27.74	19.25	4.85	135
1967	Wet	3.74	3.27	5.36	9.00	9.42	9.38	11.38	17.63	31.24	37.77	26.09	6.43	171
1968	Below Normal	4.97	4.39	7.27	12.33	12.86	7.58	8.17	12.93	22.80	27.55	19.12	4.82	145
1969	Wet	3.71	3.25	5.32	8.94	9.36	10.38	11.86	17.63	31.24	37.77	26.09	6.43	172
1970	Wet	4.97	4.39	7.27	12.33	12.86	6.76	8.17	12.65	22.31	26.96	18.72	4.72	142
1971	Wet	3.64	3.18	5.20	8.74	9.15	6.51	7.89	12.59	22.20	26.82	18.62	4.70	129
1972	Below Normal	3.62	3.16	5.18	8.69	9.10	7.58	8.17	12.32	21.71	26.23	18.22	4.60	129
1973	Above Normal	3.54	3.09	5.06	8.50	8.90	6.87	8.17	13.21	23.30	28.16	19.54	4.92	133
1974	Wet	3.79	3.32	5.44	9.14	9.56	8.15	8.87	15.09	26.67	32.24	22.32	5.56	150
1975	Wet	4.29	3.77	6.22	10.49	10.96	7.14	8.17	13.02	22.97	27.75	19.26	4.85	139
1976	Critical	3.74	3.27	5.36	9.00	9.43	2.68	3.15	4.66	8.00	9.61	6.87	1.95	68
1977	Critical	1.47	1.21	1.86	2.98	3.21	1.16	1.43	2.09	3.40	4.05	3.06	1.04	27
1978	Above Normal	0.75	0.57	0.78	1.13	1.30	7.80	10.17	17.63	31.24	37.77	26.09	6.43	142
1979	Below Normal	4.97	4.39	7.27	12.33	12.86	6.48	8.26	12.91	22.77	27.51	19.09	4.81	144
1980	Above Normal	3.71	3.24	5.31	8.92	9.34	9.34	9.68	15.79	27.93	33.76	23.36	5.80	156
1981	Dry	4.48	3.94	6.51	11.00	11.49	7.52	8.17	13.77	24.31	29.38	20.37	5.12	146
1982	Wet	3.94	3.45	5.67	9.54	9.98	8.57	10.45	17.63	31.24	37.77	26.09	6.43	171
1983	Wet	4.97	4.39	7.27	12.33	12.86	10.38	11.86	17.63	31.24	37.77	26.09	6.43	183
1984	Wet	4.97	4.39	7.27	12.33	12.86	7.59	8.17	12.76	22.50	27.18	18.87	4.76	144
1985	Dry	3.67	3.20	5.25	8.81	9.23	5.89	7.62	12.50	22.04	26.63	18.49	4.67	128
1986	Wet	3.59	3.14	5.14	8.63	9.04	6.11	7.77	11.53	20.31	24.53	17.05	4.33	121
1987	Dry	3.33	2.90	4.73	7.93	8.32	2.91	6.19	9.19	16.12	19.45	13.58	3.50	98
1988	Critical	2.67	2.31	3.74	6.24	6.58	2.53	2.98	4.41	7.54	9.06	6.49	1.86	56
1989	Dry	1.40	1.15	1.76	2.79	3.02	0.54	5.28	7.84	13.69	16.51	11.57	3.04	69
1990	Critical	2.32	1.99	3.18	5.27	5.57	0.54	0.72	1.05	1.54	1.78	1.51	0.67	26
1991	Critical	0.46	0.31	0.34	0.37	0.52	1.85	2.55	3.76	6.38	7.66	5.53	1.63	31
1992	Critical	1.22	0.98	1.48	2.33	2.54	2.81	5.63	8.35	14.61	17.63	12.34	3.21	73
1993	Above Normal	2.45	2.11	3.40	5.64	5.95	5.85	7.13	12.46	21.96	26.53	18.43	4.65	117
1994	Critical	3.58	3.13	5.12	8.60	9.01	8.96	9.70	14.49	25.61	30.95	21.44	5.36	146
1995	Wet	4.14	3.63	5.97	10.06	10.52	8.90	10.98	17.63	31.24	37.77	26.09	6.43	173
1996	Wet	4.97	4.39	7.27	12.33	12.86	8.08	8.72	14.86	26.26	31.74	21.98	5.48	159
1997	Wet	4.23	3.72	6.12	10.33	10.79	7.83	8.17	12.73	22.44	27.12	18.83	4.75	137
1998	Wet	3.66	3.20	5.23	8.79	9.21	10.38	11.86	17.63	31.24	37.77	26.09	6.43	171
1999	Wet	4.97	4.39	7.27	12.33	12.86	7.58	8.17	13.01	22.94	27.72	19.24	4.85	145
2000	Above Normal	3.73	3.26	5.35	8.99	9.41	7.57	8.17	13.88	24.50	29.61	20.53	5.15	140
2001	Dry	3.97	3.48	5.72	9.62	10.06	3.79	4.81	7.13	12.43	14.98	10.53	2.80	89
2002	Dry	2.13	1.81	2.89	4.76	5.05	6.10	7.92	12.60	22.22	26.84	18.64	4.70	116
2003	Above Normal	3.62	3.16	5.18	8.70	9.11	6.59	6.96	11.20	19.71	23.80	15.06	4.21	117
Average		3	3	5	8	8	6	7	11	20	24	17	4	115
Wet		4	3	6	9	10	8	9	15	26	32	22	6	150
Above Normal		3	3	5	8	8	7	8	14	24	29	20	5	134
Below Normal		3	3	5	8	9	5	7	11	20	24	17	4	117
Dry		3	3	4	7	7	4	6	9	16	19	13	3	94
Critical		2	2	3	5	5	2	3	4	7	9	6	2	50

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Energy Use (GWh) At Pumping Plant at CVP Dos Amigos: CP4B_2020

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	4.97	4.39	7.27	12.33	12.86	8.37	8.90	14.86	26.26	31.74	21.98	5.48	159
1923	Below Normal	4.23	3.72	6.12	10.33	10.79	7.58	8.17	13.29	23.44	28.32	19.65	4.95	141
1924	Critical	3.81	3.33	5.47	9.19	9.62	0.83	1.06	1.55	2.44	2.87	2.26	0.85	43
1925	Dry	0.60	0.43	0.56	0.74	0.90	4.05	4.70	8.67	15.19	18.32	12.81	3.32	70
1926	Dry	2.54	2.19	3.53	5.87	6.19	2.79	3.27	4.84	8.32	10.00	7.13	2.02	59
1927	Wet	1.52	1.25	1.94	3.11	3.34	7.58	8.17	13.01	22.95	27.73	19.25	4.85	115
1928	Above Normal	3.74	3.27	5.35	9.00	9.42	6.01	8.17	12.40	21.86	26.41	18.34	4.63	129
1929	Critical	3.57	3.11	5.10	8.56	8.96	1.77	2.13	3.13	5.27	6.30	4.60	1.41	54
1930	Dry	1.04	0.83	1.22	1.88	2.07	3.39	4.19	6.20	10.76	12.96	9.15	2.48	56
1931	Critical	1.88	1.59	2.51	4.09	4.35	1.03	1.29	1.89	3.04	3.61	2.76	0.97	29
1932	Dry	0.70	0.52	0.70	0.98	1.15	1.87	2.24	3.30	5.56	6.66	4.85	1.47	30
1933	Critical	1.09	0.87	1.29	1.99	2.19	0.87	1.11	1.62	2.55	3.02	2.35	0.87	20
1934	Critical	0.62	0.45	0.58	0.78	0.94	1.52	1.84	2.71	4.51	5.38	3.97	1.26	25
1935	Below Normal	0.92	0.72	1.04	1.57	1.76	0.54	1.79	7.05	12.27	14.79	10.40	2.77	56
1936	Below Normal	2.11	1.79	2.86	4.70	4.98	5.54	6.39	9.49	16.65	20.10	14.02	3.60	92
1937	Below Normal	2.76	2.39	3.87	6.46	6.80	2.57	4.78	7.21	12.56	15.15	10.64	2.83	78
1938	Wet	2.15	1.83	2.92	4.81	5.10	10.38	11.46	17.63	31.24	37.77	26.09	6.43	158
1939	Dry	4.97	4.39	7.27	12.33	12.86	4.13	5.64	8.37	14.65	17.67	12.37	3.22	108
1940	Above Normal	2.46	2.12	3.41	5.65	5.97	6.08	7.50	12.96	22.85	27.61	17.51	4.83	119
1941	Wet	3.72	3.25	5.33	8.96	9.38	7.12	8.17	15.15	26.79	32.39	22.42	5.59	148
1942	Wet	4.31	3.79	6.24	10.54	11.01	8.25	8.98	14.26	25.20	30.45	21.10	5.28	149
1943	Wet	4.08	3.57	5.88	9.90	10.35	8.95	9.32	16.30	28.84	34.87	24.11	5.97	162
1944	Dry	4.61	4.07	6.72	11.37	11.87	5.03	5.80	8.61	15.09	18.20	12.73	3.30	107
1945	Below Normal	2.52	2.17	3.51	5.83	6.15	6.13	8.17	13.53	23.88	28.85	20.01	5.03	126
1946	Below Normal	3.88	3.40	5.57	9.37	9.80	6.51	7.53	11.69	20.59	24.87	17.29	4.38	125
1947	Dry	3.37	2.94	4.80	8.05	8.44	3.60	5.77	8.57	15.01	18.10	12.66	3.29	95
1948	Below Normal	2.51	2.16	3.49	5.80	6.12	1.89	5.25	12.39	21.84	26.39	18.33	4.63	111
1949	Dry	3.56	3.11	5.09	8.55	8.96	3.22	8.17	13.30	23.46	28.35	19.67	4.95	130
1950	Below Normal	3.82	3.34	5.47	9.20	9.63	3.40	5.05	7.49	13.08	15.77	11.07	2.92	90
1951	Above Normal	2.23	1.90	3.04	5.02	5.32	7.58	8.17	13.60	24.00	29.00	20.11	5.06	125
1952	Wet	3.90	3.41	5.60	9.42	9.85	9.06	10.78	17.63	31.24	37.77	26.09	6.43	171
1953	Wet	4.97	4.39	7.27	12.33	12.86	7.57	7.57	12.76	22.50	27.18	18.87	4.76	143
1954	Above Normal	3.67	3.20	5.25	8.81	9.23	7.58	8.17	12.99	22.92	27.70	19.22	4.84	134
1955	Dry	3.73	3.26	5.35	8.98	9.41	4.55	5.27	7.82	13.66	16.47	11.55	3.03	93
1956	Wet	2.31	1.98	3.18	5.25	5.56	8.28	8.41	13.33	23.53	28.43	19.72	4.96	125
1957	Above Normal	3.83	3.35	5.49	9.23	9.66	7.58	8.17	13.75	24.27	29.33	20.34	5.11	140
1958	Wet	3.94	3.45	5.66	9.53	9.97	8.06	9.23	17.63	31.24	37.77	26.09	6.43	169
1959	Below Normal	4.97	4.39	7.27	12.33	12.86	7.30	8.16	12.71	22.41	27.07	18.80	4.74	143
1960	Dry	3.65	3.19	5.23	8.78	9.19	1.50	3.82	5.66	9.78	11.77	8.34	2.30	73
1961	Dry	1.74	1.45	2.28	3.69	3.94	4.15	7.64	11.34	19.97	24.12	16.77	4.26	101
1962	Below Normal	3.27	2.85	4.65	7.79	8.18	6.29	7.71	12.26	21.61	26.10	18.13	4.58	123
1963	Wet	3.53	3.08	5.04	8.45	8.86	7.53	8.16	13.98	24.69	29.84	20.68	5.19	139
1964	Dry	4.00	3.51	5.76	9.69	10.14	4.92	5.69	8.44	14.77	17.82	12.47	3.24	100
1965	Wet	2.48	2.13	3.43	5.70	6.02	6.05	6.96	13.20	23.29	28.14	19.53	4.92	122
1966	Below Normal	3.79	3.31	5.43	9.13	9.56	7.58	8.17	13.02	22.96	27.74	19.25	4.85	135
1967	Wet	3.74	3.27	5.36	9.00	9.42	9.42	11.38	17.63	31.24	37.77	26.09	6.43	171
1968	Below Normal	4.97	4.39	7.27	12.33	12.86	7.58	8.17	12.93	22.80	27.55	19.12	4.82	145
1969	Wet	3.71	3.25	5.32	8.94	9.36	10.38	11.86	17.63	31.24	37.77	26.09	6.43	172
1970	Wet	4.97	4.39	7.27	12.33	12.86	6.76	8.17	12.65	22.31	26.96	18.72	4.72	142
1971	Wet	3.64	3.18	5.20	8.74	9.15	6.51	7.89	12.59	22.20	26.82	18.62	4.70	129
1972	Below Normal	3.82	3.16	5.18	8.69	9.10	7.58	8.17	12.32	21.71	26.23	18.22	4.60	129
1973	Above Normal	3.54	3.09	5.06	8.50	8.90	6.93	8.17	13.21	23.30	28.16	19.54	4.92	133
1974	Wet	3.79	3.32	5.44	9.14	9.56	8.15	8.87	15.09	26.67	32.24	22.32	5.56	150
1975	Wet	4.29	3.77	6.22	10.49	10.96	7.14	8.17	13.02	22.97	27.75	19.26	4.85	139
1976	Critical	3.74	3.27	5.36	9.00	9.43	2.68	3.15	4.66	8.00	9.61	6.87	1.95	68
1977	Critical	1.47	1.21	1.87	2.98	3.21	1.16	1.43	2.09	3.40	4.05	3.06	1.04	27
1978	Above Normal	0.75	0.57	0.78	1.13	1.30	7.80	10.17	17.63	31.24	37.77	26.09	6.43	142
1979	Below Normal	4.97	4.39	7.27	12.33	12.86	6.14	8.26	13.31	23.49	28.38	19.69	4.96	146
1980	Above Normal	3.82	3.34	5.48	9.21	9.64	9.34	9.68	15.79	27.93	33.76	23.36	5.80	157
1981	Dry	4.48	3.94	6.51	11.00	11.49	7.52	8.17	13.77	24.31	29.38	20.37	5.12	146
1982	Wet	3.94	3.45	5.67	9.54	9.98	8.69	10.45	17.63	31.24	37.77	26.09	6.43	171
1983	Wet	4.97	4.39	7.27	12.33	12.86	10.38	11.86	17.63	31.24	37.77	26.09	6.43	183
1984	Wet	4.97	4.39	7.27	12.33	12.86	7.59	8.17	12.76	22.50	27.18	18.87	4.76	144
1985	Dry	3.67	3.20	5.25	8.81	9.23	5.89	8.16	13.31	23.49	28.38	19.69	4.96	134
1986	Wet	3.82	3.34	5.48	9.21	9.64	5.87	7.60	11.28	19.86	23.98	16.68	4.24	121
1987	Dry	3.25	2.83	4.62	7.75	8.13	2.88	6.07	9.01	15.81	19.07	13.32	3.44	96
1988	Critical	2.63	2.27	3.67	6.12	6.45	2.52	2.97	4.40	7.52	9.04	6.47	1.86	56
1989	Dry	1.39	1.14	1.75	2.78	3.01	0.54	5.55	8.23	14.40	17.37	12.16	3.17	72
1990	Critical	2.42	2.08	3.35	5.55	5.87	0.54	0.72	1.05	1.54	1.78	1.51	0.67	27
1991	Critical	0.46	0.31	0.34	0.37	0.52	1.85	2.57	3.79	6.44	7.72	5.57	1.64	32
1992	Critical	1.22	0.99	1.50	2.35	2.56	2.84	5.67	8.42	14.74	17.78	12.44	3.24	74
1993	Above Normal	2.47	2.13	3.43	5.69	6.01	5.79	7.06	12.36	21.78	26.32	18.28	4.62	116
1994	Critical	3.55	3.10	5.08	8.53	8.93	8.96	9.70	14.49	25.61	30.95	21.44	5.36	146
1995	Wet	4.14	3.63	5.97	10.06	10.52	9.00	11.09	17.63	31.24	37.77	26.09	6.43	174
1996	Wet	4.97	4.39	7.27	12.33	12.86	8.08	8.72	14.86	26.26	31.74	21.98	5.48	159
1997	Wet	4.23	3.72	6.12	10.33	10.79	7.83	8.17	12.73	22.44	27.12	18.83	4.75	137
1998	Wet	3.66	3.20	5.23	8.79	9.21	10.38	11.86	17.63	31.24	37.77	26.09	6.43	171
1999	Wet	4.97	4.39	7.27	12.33	12.86	7.58	8.17	13.01	22.94	27.72	19.24	4.85	145
2000	Above Normal	3.73	3.26	5.35	8.99	9.41	7.58	8.17	13.88	24.50	29.61	20.53	5.15	140
2001	Dry	3.97	3.48	5.72	9.62	10.06	3.77	4.78	7.08	12.34	14.87	10.46	2.78	89
2002	Dry	2.12	1.80	2.87	4.72	5.01	6.12	7.92	12.64	22.28	26.92	18.69	4.72	116
2003	Above Normal	3.63	3.17	5.19	8.72	9.14	6.59	6.96	11.20	19.71	23.80	15.04	4.21	117
Average		3	3	5	8	8	6	7	11	20	24	17	4	115
Wet		4	3	6	9	10	8	9	15	26	32	22	6	150
Above Normal		3	3	5	8	8	7	8	14	24	29	20	5	134
Below Normal		3	3	5	8	9	5	7	11	20	24	17	4	117
Dry		3	3	4	7	7	4	6	9	15	19	13	3	93
Critical		2	2	3	5	5	2	3	4	7	9	6	2	50

Difference in Energy Use (GWh) At Pumping Plant at CVP Dos Amigos: CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1927	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1932	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1935	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	-1	-1	-2	-3	-2	0	-1
1940	Above Norma	0	0	-1	-1	-1	0	1	3	3	0	0	1	0
1941	Wet	0	0	1	1	1	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1945	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1946	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1947	Dry	0	0	0	0	0	0	-1	-1	-2	-2	-1	0	-1
1948	Below Norma	0	0	0	-1	-1	0	0	0	0	0	0	0	0
1949	Dry	0	0	0	0	0	0	1	2	2	1	0	1	1
1950	Below Norma	0	0	0	1	1	0	0	0	0	-1	0	0	0
1951	Above Norma	0	0	0	0	0	0	0	0	0	3	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1961	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Norma	0	0	0	0	0	0	1	1	1	1	0	0	0
1963	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1965	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1966	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	Below Norma	0	0	0	0	0	0	0	1	1	1	0	0	0
1980	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	1	1	1	2	1	0	0	1
1986	Wet	0	0	0	1	1	0	0	0	-1	0	0	0	0
1987	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	Dry	0	0	0	0	0	0	0	1	1	1	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Below Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Dry		0	0	0	0	0	0	0	0	0	0	0	0	0
Critical		0	0	0	0	0	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at CVP Dos Amigos: CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1923	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1924	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1925	Dry	0%	0%	0%	0%	0%	0%	0%	-1%	-1%	-1%	-1%	-1%
1926	Dry	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%
1927	Wet	-1%	-1%	-1%	-1%	-1%	1%	0%	0%	0%	0%	0%	0%
1928	Above Norma	0%	0%	0%	0%	0%	3%	0%	0%	0%	0%	0%	0%
1929	Critical	0%	0%	0%	0%	0%	-3%	-3%	-3%	-3%	-3%	-3%	-3%
1930	Dry	-3%	-3%	-3%	-4%	-4%	-2%	-2%	-2%	-2%	-2%	-2%	-2%
1931	Critical	-2%	-2%	-2%	-2%	-2%	0%	0%	0%	0%	0%	0%	0%
1932	Dry	0%	0%	0%	0%	0%	-4%	-4%	-4%	-5%	-5%	-4%	-3%
1933	Critical	-4%	-4%	-5%	-5%	-5%	0%	0%	0%	0%	0%	0%	0%
1934	Critical	0%	0%	0%	0%	0%	-5%	-5%	-5%	-5%	-5%	-5%	-4%
1935	Below Norma	-4%	-5%	-5%	-6%	-6%	0%	-6%	0%	0%	0%	0%	0%
1936	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1937	Below Norma	0%	0%	0%	0%	0%	-1%	0%	-1%	-2%	-2%	-2%	-1%
1938	Wet	-1%	-1%	-2%	-2%	-2%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	0%	-11%	-13%	-13%	-14%	-14%	-13%	-12%
1940	Above Norma	-12%	-13%	-13%	-14%	-14%	5%	4%	13%	13%	13%	3%	12%
1941	Wet	12%	12%	13%	13%	13%	-6%	0%	0%	0%	0%	0%	0%
1942	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1944	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1945	Below Norma	0%	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%
1946	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1947	Dry	0%	0%	0%	0%	0%	-4%	-9%	-9%	-10%	-10%	-9%	-8%
1948	Below Norma	-9%	-9%	-10%	-10%	-10%	-6%	-1%	0%	0%	0%	0%	0%
1949	Dry	0%	0%	0%	0%	0%	6%	0%	8%	8%	8%	8%	7%
1950	Below Norma	8%	8%	8%	8%	8%	-4%	-3%	-3%	-3%	-3%	-3%	-3%
1951	Above Norma	-3%	-3%	-3%	-3%	-3%	0%	0%	0%	0%	0%	16%	0%
1952	Wet	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1955	Dry	0%	0%	0%	0%	0%	-1%	-1%	-1%	-1%	-1%	-1%	-1%
1956	Wet	-1%	-1%	-1%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1958	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1960	Dry	0%	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%
1961	Dry	0%	0%	0%	0%	0%	0%	-1%	-1%	-1%	-1%	-1%	-1%
1962	Below Norma	-1%	-1%	-1%	-1%	-1%	6%	6%	6%	6%	6%	6%	5%
1963	Wet	6%	6%	6%	6%	6%	-1%	0%	0%	0%	0%	0%	0%
1964	Dry	0%	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%	1%
1965	Wet	1%	1%	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%
1966	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1968	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1969	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1972	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1973	Above Norma	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1977	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1978	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1979	Below Norma	0%	0%	0%	0%	0%	-5%	0%	3%	3%	3%	3%	3%
1980	Above Norma	3%	3%	3%	3%	3%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1982	Wet	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	7%	6%	7%	7%	6%	6%
1986	Wet	6%	6%	7%	7%	7%	-4%	-2%	-2%	-2%	-2%	-2%	-2%
1987	Dry	-2%	-2%	-2%	-2%	-2%	-1%	-2%	-2%	-2%	-2%	-2%	-2%
1988	Critical	-2%	-2%	-2%	-2%	-2%	0%	0%	0%	0%	0%	0%	0%
1989	Dry	0%	0%	0%	0%	0%	0%	5%	5%	5%	5%	5%	4%
1990	Critical	5%	5%	5%	5%	5%	0%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%
1992	Critical	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%
1993	Above Norma	1%	1%	1%	1%	1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%
1994	Critical	-1%	-1%	-1%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%
1995	Wet	0%	0%	0%	0%	0%	1%	1%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1998	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2001	Dry	0%	0%	0%	0%	0%	0%	-1%	-1%	-1%	-1%	-1%	-1%
2002	Dry	-1%	-1%	-1%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%
2003	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Average		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Wet		1%	1%	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%
Above Norma		-1%	-1%	-1%	-1%	-1%	1%	0%	1%	1%	1%	1%	1%
Below Norma		0%	0%	-1%	-1%	-1%	-1%	0%	0%	0%	0%	0%	0%
Dry		0%	0%	0%	0%	0%	-1%	-1%	-1%	-1%	-1%	-1%	-1%
Critical		0%	0%	0%	0%	0%	-1%	-1%	-1%	-1%	-1%	-1%	0%

Energy Use (GWh) At Pumping Plant at CVP San Luis: CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	18.45	34.28	49.00	46.85	39.80	10.67	6.39	0.00	0.00	0.00	0.00	11.34	217
1923	Below Normal	24.65	45.86	57.27	61.62	10.74	5.44	0.00	0.00	0.00	0.00	0.00	10.20	216
1924	Critical	21.02	40.47	36.14	49.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	147
1925	Dry	7.62	6.04	70.50	83.41	77.60	13.69	5.36	0.00	0.00	0.00	0.00	17.28	281
1926	Dry	18.30	39.39	50.72	66.81	55.22	4.69	5.02	0.00	0.00	0.00	0.00	0.00	240
1927	Wet	1.97	38.44	61.61	70.73	65.87	11.04	0.00	0.00	0.00	0.00	0.00	10.10	260
1928	Above Normal	19.32	38.43	54.76	55.29	46.67	17.27	0.00	0.00	0.00	0.00	0.00	11.32	243
1929	Critical	20.95	39.96	54.67	54.33	34.64	0.00	0.00	0.00	0.00	0.00	0.00	3.95	208
1930	Dry	9.68	20.22	61.86	74.37	53.65	4.62	0.00	0.00	0.00	0.00	0.00	5.33	230
1931	Critical	8.10	22.18	31.28	59.72	0.00	10.35	0.00	0.00	0.00	0.00	0.00	10.35	142
1932	Dry	15.53	21.39	67.58	84.05	4.43	0.00	0.00	0.00	0.00	0.00	0.00	36.08	229
1933	Critical	32.24	42.57	26.20	2.06	1.22	0.00	0.00	0.00	0.00	0.00	0.00	10.18	114
1934	Critical	22.64	15.80	51.23	32.92	0.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	123
1935	Below Normal	0.00	34.55	46.13	75.16	19.46	30.29	3.95	0.00	0.00	0.00	0.00	16.49	226
1936	Below Normal	11.83	32.10	44.42	61.34	13.15	4.66	5.35	0.00	0.00	0.00	0.00	15.28	188
1937	Below Normal	18.82	35.52	55.51	50.93	2.00	4.28	4.97	5.63	0.00	0.00	0.00	18.50	196
1938	Wet	18.66	50.15	69.71	20.23	1.85	5.88	6.95	8.01	0.00	0.00	0.00	10.40	192
1939	Dry	30.57	52.36	64.14	57.56	2.38	9.76	0.00	0.00	0.00	0.00	0.00	5.26	222
1940	Above Normal	11.46	19.52	9.16	52.93	49.58	54.96	0.00	0.00	0.00	0.00	0.00	11.42	209
1941	Wet	20.24	37.23	57.38	61.52	49.04	5.70	6.09	0.00	0.00	0.00	0.00	9.81	247
1942	Wet	24.02	46.23	60.80	63.07	4.95	5.97	0.00	0.00	0.00	0.00	0.00	13.71	219
1943	Wet	27.87	50.31	64.00	68.34	28.32	6.02	6.79	0.00	0.00	0.00	0.00	7.38	259
1944	Dry	17.50	34.79	49.82	46.55	37.22	52.90	0.00	0.00	0.00	0.00	0.00	11.19	250
1945	Below Normal	13.53	41.66	59.62	64.17	42.51	4.77	0.00	0.00	0.00	0.00	0.00	10.15	236
1946	Below Normal	20.30	42.15	56.08	61.17	0.00	30.79	0.00	0.00	0.00	0.00	0.00	3.31	214
1947	Dry	19.97	39.23	56.06	57.75	46.03	20.93	0.00	0.00	0.00	0.00	0.00	10.77	251
1948	Below Normal	6.64	35.01	26.18	42.96	47.34	26.59	1.19	0.00	0.00	0.00	0.00	10.77	197
1949	Dry	19.95	28.62	52.79	51.41	33.61	25.31	0.00	0.00	0.00	0.00	0.00	10.57	222
1950	Below Normal	15.97	33.01	51.27	52.88	44.84	17.32	4.81	0.00	0.00	0.00	0.00	18.91	239
1951	Above Normal	6.89	52.80	71.09	18.12	1.96	5.81	0.00	0.00	0.00	0.00	0.00	9.46	166
1952	Wet	18.80	37.10	54.02	54.17	57.49	44.79	7.07	1.91	0.00	0.00	0.00	10.96	286
1953	Wet	28.81	54.02	64.94	56.33	30.95	0.00	0.00	0.00	0.00	0.00	0.00	11.96	247
1954	Above Normal	24.42	46.85	58.55	58.71	37.38	5.61	0.00	0.00	0.00	0.00	0.00	9.93	241
1955	Dry	18.75	36.39	54.22	55.18	42.80	26.69	0.00	0.00	0.00	0.00	0.00	2.47	236
1956	Wet	11.39	37.03	64.75	74.76	54.63	6.01	0.00	0.00	0.00	0.00	0.00	14.78	263
1957	Above Normal	30.29	49.18	59.02	34.70	2.82	5.50	0.00	0.00	0.00	0.00	0.00	10.03	192
1958	Wet	22.13	46.89	60.12	60.33	48.80	27.09	6.83	0.00	0.00	0.00	0.00	10.44	283
1959	Below Normal	27.49	52.00	62.55	55.34	35.89	20.23	0.00	0.00	0.00	0.00	0.00	2.98	256
1960	Dry	2.44	19.43	11.63	36.10	32.71	55.79	0.00	0.00	0.00	0.00	0.00	11.84	170
1961	Dry	6.27	40.68	43.03	69.21	63.29	7.70	0.00	0.00	0.00	0.00	0.00	1.35	232
1962	Below Normal	0.00	15.09	41.89	52.33	42.95	49.64	0.00	0.00	0.00	0.00	0.00	10.37	212
1963	Wet	20.16	41.84	56.83	58.25	47.85	5.09	0.00	0.00	0.00	0.00	0.00	9.20	239
1964	Dry	18.82	39.66	53.89	53.43	20.59	20.96	0.00	0.00	0.00	0.00	0.00	13.66	221
1965	Wet	9.17	43.66	62.01	74.40	41.15	4.56	0.00	0.00	0.00	0.00	0.00	10.74	246
1966	Below Normal	22.54	46.49	60.67	63.00	36.43	5.79	0.00	0.00	0.00	0.00	0.00	10.17	245
1967	Wet	19.25	27.60	54.96	56.64	49.71	49.05	6.25	0.00	0.00	0.00	0.00	11.15	275
1968	Below Normal	29.39	65.77	67.14	36.24	3.76	5.84	0.00	0.00	0.00	0.00	0.00	3.45	212
1969	Wet	12.12	36.73	54.22	61.16	57.70	27.21	7.09	8.19	0.00	0.00	0.00	10.80	275
1970	Wet	28.44	54.70	66.84	33.20	3.74	5.39	0.00	0.00	0.00	0.00	0.00	10.03	202
1971	Wet	18.70	37.45	55.02	55.54	27.04	43.41	0.00	0.00	0.00	0.00	0.00	10.22	247
1972	Below Normal	19.86	38.41	54.13	55.00	42.22	5.34	0.00	0.00	0.00	0.00	0.00	11.03	226
1973	Above Normal	21.17	46.43	60.74	62.60	47.97	44.26	0.00	0.00	0.00	0.00	0.00	11.24	294
1974	Wet	22.20	45.96	58.17	65.04	47.69	6.33	1.99	0.00	0.00	0.00	0.00	10.27	258
1975	Wet	26.13	47.08	58.88	57.64	41.86	30.01	0.00	0.00	0.00	0.00	0.00	13.87	275
1976	Critical	28.41	50.06	63.79	63.57	36.05	4.81	0.00	0.00	0.00	0.00	0.00	0.00	247
1977	Critical	5.49	25.22	4.06	36.95	0.00	0.00	0.00	0.00	5.09	0.00	2.18	79	
1978	Above Normal	12.86	13.79	37.89	77.25	81.88	48.46	6.69	0.00	0.00	0.00	0.00	7.37	286
1979	Below Normal	19.26	42.49	49.47	47.43	35.86	5.65	0.00	0.00	0.00	0.00	0.00	10.92	211
1980	Above Normal	21.11	45.52	57.16	63.99	24.54	5.98	6.76	0.00	0.00	0.00	0.00	12.03	237
1981	Dry	26.61	46.95	57.39	55.67	40.27	8.96	0.00	0.00	0.00	0.00	0.00	9.67	246
1982	Wet	2.64	37.05	54.39	54.31	54.22	51.57	6.69	3.68	0.00	0.00	0.00	10.27	275
1983	Wet	31.54	63.14	71.48	63.80	4.30	6.02	6.82	7.97	0.00	0.00	0.00	27.56	283
1984	Wet	58.97	72.47	15.07	6.01	3.71	5.93	0.00	0.00	0.00	0.00	0.00	10.02	172
1985	Dry	19.11	39.59	55.60	55.84	42.34	16.61	0.00	0.00	0.00	0.00	0.00	10.23	239
1986	Wet	17.59	36.12	54.11	55.55	58.15	6.26	6.03	6.04	0.00	0.00	0.00	17.33	257
1987	Dry	30.43	50.51	62.37	16.59	2.48	4.32	0.00	0.00	0.00	0.00	0.00	2.05	169
1988	Critical	17.33	34.36	55.61	59.91	0.51	0.00	0.00	0.00	0.00	0.00	0.00	1.92	170
1989	Dry	6.32	14.96	24.13	64.38	0.00	62.62	0.00	0.00	0.00	0.00	0.00	10.46	183
1990	Critical	8.70	34.87	31.05	57.29	13.25	19.25	0.00	0.00	0.00	0.00	0.00	0.00	164
1991	Critical	11.33	24.94	22.06	19.71	14.20	60.89	0.00	0.00	0.00	0.00	0.00	9.09	162
1992	Critical	15.14	27.61	23.98	27.02	65.35	17.49	0.00	0.00	0.00	0.00	0.00	2.34	179
1993	Above Normal	5.18	8.38	33.85	58.97	57.61	50.85	20.52	0.00	0.00	0.00	0.00	11.40	247
1994	Critical	22.30	41.65	53.87	52.27	23.39	4.72	0.00	0.00	0.00	0.00	0.00	14.58	213
1995	Wet	0.00	19.97	47.40	51.45	50.27	66.31	15.30	7.81	0.00	0.00	0.00	11.06	270
1996	Wet	29.11	54.79	67.82	36.43	3.74	6.05	0.00	0.00	0.00	0.00	0.00	9.52	207
1997	Wet	20.44	44.12	59.74	60.55	54.56	6.07	0.00	0.00	0.00	0.00	0.00	7.75	253
1998	Wet	15.03	45.30	57.23	59.32	51.40	6.06	7.01	0.00	0.00	0.00	0.00	11.31	253
1999	Wet	29.72	56.41	71.14	40.43	3.68	5.71	0.00	0.00	0.00	0.00	0.00	11.04	218
2000	Above Normal	22.03	45.67	56.16	56.26	49.39	6.07	0.00	0.00	0.00	0.00	0.00	9.20	245
2001	Dry	18.26	35.68	46.99	51.44	40.93	59.57	0.00	0.00	0.00	0.00	0.00	0.00	253
2002	Dry	18.13	30.56	59.30	68.38	0.00	48.19	0.00	0.00	0.00	0.00	0.00	10.52	235
2003	Above Normal	10.45	26.28	46.30	51.84	25.76	4.57	0.00	0.00	0.00	0.00	0.00	11.10	176
Average		18	38	52	54	31	18	2	1	0	0	0	10	224
Wet		21	45	59	55	36	17	3	2	0	0	0	12	249
Above Normal		17	36	49	53	39	22	3	0	0	0	0	10	229
Below Normal		16	40	52	56	27	15	1	0	0	0	0	11	220
Dry		17	33	52	58	33	2							

Shasta Lake Water Resource Investigation
Socioeconomic Appendix - Power and Energy Technical Report

Energy Use (GWh) At Pumping Plant at CVP San Luis: CP4B_2020

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	18.45	34.28	49.00	46.85	39.80	10.67	6.39	0.00	0.00	0.00	0.00	11.34	217
1923	Below Normal	24.65	45.86	57.27	61.62	10.74	5.44	0.00	0.00	0.00	0.00	0.00	10.20	216
1924	Critical	21.02	40.47	36.14	49.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	147
1925	Dry	7.62	6.04	70.51	83.43	77.60	13.69	5.35	0.00	0.00	0.00	0.00	17.48	282
1926	Dry	18.36	39.45	51.43	67.08	51.12	4.68	5.00	0.00	0.00	0.00	0.00	0.00	237
1927	Wet	0.00	39.39	62.04	71.37	61.44	5.72	0.00	0.00	0.00	0.00	0.00	10.07	250
1928	Above Normal	19.25	38.16	54.68	55.23	46.69	19.52	0.00	0.00	0.00	0.00	0.00	11.31	245
1929	Critical	20.96	40.14	54.82	54.60	34.88	0.00	0.00	0.00	0.00	0.00	0.00	4.06	209
1930	Dry	9.80	20.45	62.15	74.98	49.16	4.62	0.00	0.00	0.00	0.00	0.00	2.76	224
1931	Critical	7.03	23.15	32.54	60.24	0.00	10.57	0.00	0.00	0.00	0.00	0.00	10.27	144
1932	Dry	9.76	15.76	67.43	83.38	29.12	0.00	0.00	0.00	0.00	0.00	0.00	36.58	242
1933	Critical	32.77	43.36	22.04	2.06	1.20	0.00	0.00	0.00	0.00	0.00	0.00	15.97	117
1934	Critical	23.64	17.67	51.47	22.92	0.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	117
1935	Below Normal	0.00	35.22	46.98	75.91	19.93	26.97	3.89	0.00	0.00	0.00	0.00	16.47	225
1936	Below Normal	11.84	32.16	44.85	61.37	12.04	4.66	5.35	0.00	0.00	0.00	0.00	15.27	188
1937	Below Normal	18.83	35.53	55.50	51.10	2.00	4.27	4.97	5.62	0.00	0.00	0.00	18.76	197
1938	Wet	19.69	50.35	70.08	16.53	1.83	5.88	6.95	8.01	0.00	0.00	0.00	10.40	190
1939	Dry	27.45	52.19	63.92	57.36	11.62	4.57	0.00	0.00	0.00	0.00	0.00	6.56	224
1940	Above Normal	12.26	21.26	10.27	55.21	52.88	54.77	0.00	0.00	0.00	0.00	0.00	9.95	217
1941	Wet	18.78	36.58	56.52	59.28	55.27	30.76	6.17	0.00	0.00	0.00	0.00	10.21	274
1942	Wet	26.06	47.08	62.19	64.62	5.01	5.97	0.00	0.00	0.00	0.00	0.00	13.71	225
1943	Wet	27.89	50.35	64.06	68.38	28.32	6.02	6.79	0.00	0.00	0.00	0.00	7.38	259
1944	Dry	17.50	34.79	49.82	46.55	37.22	52.93	0.00	0.00	0.00	0.00	0.00	11.33	250
1945	Below Normal	13.55	41.69	59.65	64.22	42.25	4.75	0.00	0.00	0.00	0.00	0.00	10.10	236
1946	Below Normal	20.27	42.33	56.12	61.22	0.00	30.74	0.00	0.00	0.00	0.00	0.00	0.00	211
1947	Dry	20.97	42.64	56.86	58.52	46.55	7.33	0.00	0.00	0.00	0.00	0.00	10.90	244
1948	Below Normal	7.19	36.39	27.65	44.86	41.42	27.06	1.39	0.00	0.00	0.00	0.00	10.73	197
1949	Dry	20.80	29.51	52.96	51.19	33.23	24.63	0.00	0.00	0.00	0.00	0.00	9.79	222
1950	Below Normal	16.97	32.94	50.04	50.95	42.19	32.11	5.21	0.00	0.00	0.00	0.00	19.98	250
1951	Above Normal	28.42	54.65	50.70	3.07	1.92	5.81	0.00	0.00	0.00	0.00	0.00	9.51	154
1952	Wet	17.61	38.21	54.48	54.72	58.09	40.60	7.07	1.91	0.00	0.00	0.00	10.96	284
1953	Wet	28.81	54.02	64.94	56.33	30.95	0.00	0.00	0.00	0.00	0.00	0.00	11.97	247
1954	Above Normal	24.45	46.86	58.57	58.73	37.39	5.61	0.00	0.00	0.00	0.00	0.00	9.93	242
1955	Dry	18.75	36.48	54.26	55.23	42.84	3.71	0.00	0.00	0.00	0.00	0.00	2.46	214
1956	Wet	11.33	36.35	64.19	73.91	53.66	6.01	0.00	0.00	0.00	0.00	0.00	14.78	260
1957	Above Normal	28.50	49.06	58.88	37.35	2.82	5.50	0.00	0.00	0.00	0.00	0.00	10.03	192
1958	Wet	22.13	46.89	60.12	60.33	48.80	27.09	6.83	0.00	0.00	0.00	0.00	10.44	283
1959	Below Normal	27.49	52.00	62.55	55.34	35.89	20.23	0.00	0.00	0.00	0.00	0.00	3.05	257
1960	Dry	2.44	19.37	11.65	36.03	31.36	55.80	0.00	0.00	0.00	0.00	0.00	11.73	168
1961	Dry	6.23	40.81	45.30	69.52	63.54	4.81	0.00	0.00	0.00	0.00	0.00	10.37	241
1962	Below Normal	0.00	28.91	45.73	50.98	43.91	49.80	0.00	0.00	0.00	0.00	0.00	10.53	230
1963	Wet	20.32	45.67	56.89	57.90	53.57	8.04	0.00	0.00	0.00	0.00	0.00	9.23	252
1964	Dry	18.91	40.04	54.00	53.39	20.52	20.68	0.00	0.00	0.00	0.00	0.00	12.76	220
1965	Wet	9.39	43.74	61.92	74.13	42.75	4.56	0.00	0.00	0.00	0.00	0.00	11.11	248
1966	Below Normal	24.11	47.32	62.02	63.98	36.58	5.79	0.00	0.00	0.00	0.00	0.00	10.19	250
1967	Wet	19.25	29.77	55.06	56.69	49.74	47.12	6.25	0.00	0.00	0.00	0.00	11.16	275
1968	Below Normal	29.43	65.82	67.14	36.24	3.76	5.84	0.00	0.00	0.00	0.00	0.00	3.45	212
1969	Wet	14.22	37.24	54.40	61.41	57.93	22.99	7.09	8.19	0.00	0.00	0.00	10.80	274
1970	Wet	28.44	54.70	66.85	33.20	3.74	5.39	0.00	0.00	0.00	0.00	0.00	10.03	202
1971	Wet	18.70	37.45	55.02	55.54	27.04	43.41	0.00	0.00	0.00	0.00	0.00	10.22	247
1972	Below Normal	19.86	38.41	54.13	55.00	42.20	5.34	0.00	0.00	0.00	0.00	0.00	11.10	226
1973	Above Normal	21.27	46.43	60.75	62.69	48.11	41.29	0.00	0.00	0.00	0.00	0.00	11.24	292
1974	Wet	22.20	45.96	58.17	65.04	46.38	5.99	1.99	0.00	0.00	0.00	0.00	10.27	256
1975	Wet	26.13	47.08	58.88	57.64	41.86	30.01	0.00	0.00	0.00	0.00	0.00	13.88	275
1976	Critical	28.42	50.07	63.80	63.58	36.06	4.62	0.00	0.00	0.00	0.00	0.00	0.00	247
1977	Critical	5.49	25.24	4.06	36.70	0.00	0.00	0.00	0.00	0.00	5.00	0.00	2.18	79
1978	Above Normal	12.86	13.82	37.86	77.25	81.88	48.45	6.69	0.00	0.00	0.00	0.00	7.37	286
1979	Below Normal	19.25	42.49	49.48	47.43	35.87	5.47	0.00	0.00	0.00	0.00	0.00	10.25	210
1980	Above Normal	20.04	42.13	56.00	62.26	37.21	5.97	6.76	0.00	0.00	0.00	0.00	12.03	242
1981	Dry	26.80	46.93	57.35	55.64	40.26	8.96	0.00	0.00	0.00	0.00	0.00	9.67	245
1982	Wet	5.18	37.83	54.65	54.61	54.53	45.21	6.69	3.68	0.00	0.00	0.00	10.27	273
1983	Wet	31.54	63.14	71.48	63.80	4.30	6.02	6.82	7.97	0.00	0.00	0.00	27.56	283
1984	Wet	58.97	72.47	15.08	6.01	3.71	5.93	0.00	0.00	0.00	0.00	0.00	10.02	172
1985	Dry	19.11	39.59	55.60	55.84	42.34	38.22	0.00	0.00	0.00	0.00	0.00	9.56	260
1986	Wet	17.13	34.74	53.04	53.67	55.77	17.96	5.94	6.73	0.00	0.00	0.00	17.74	263
1987	Dry	30.84	51.03	63.12	9.74	2.44	4.32	0.00	0.00	0.00	0.00	0.00	2.07	164
1988	Critical	17.63	34.67	55.78	60.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.93	170
1989	Dry	6.33	14.95	39.60	65.32	9.26	64.54	0.00	0.00	0.00	0.00	0.00	10.58	211
1990	Critical	9.47	35.65	35.15	56.89	8.46	19.23	0.00	0.00	0.00	0.00	0.00	0.00	165
1991	Critical	11.21	24.56	22.69	21.29	13.54	60.67	0.00	0.00	0.00	0.00	0.00	8.59	163
1992	Critical	14.16	25.77	23.68	26.54	64.08	19.00	0.00	0.00	0.00	0.00	0.00	2.35	176
1993	Above Normal	5.30	9.00	31.34	58.47	57.01	50.78	20.71	0.00	0.00	0.00	0.00	11.49	244
1994	Critical	22.38	41.77	53.98	52.46	22.67	4.72	0.00	0.00	0.00	0.00	0.00	10.29	208
1995	Wet	5.13	20.16	48.45	51.72	50.57	66.35	10.64	7.81	0.00	0.00	0.00	11.06	272
1996	Wet	29.11	54.79	67.82	36.43	3.74	6.05	0.00	0.00	0.00	0.00	0.00	9.59	208
1997	Wet	20.61	44.19	59.88	60.71	51.68	6.07	0.00	0.00	0.00	0.00	0.00	7.76	251
1998	Wet	15.27	45.34	57.34	59.45	50.10	6.06	7.01	0.00	0.00	0.00	0.00	11.31	252
1999	Wet	29.72	56.41	71.14	40.43	3.68	5.71	0.00	0.00	0.00	0.00	0.00	11.04	218
2000	Above Normal	22.04	45.67	56.16	56.26	49.39	6.02	0.00	0.00	0.00	0.00	0.00	9.20	245
2001	Dry	18.26	35.68	47.05	51.44	40.93	59.63	0.00	0.00	0.00	0.00	0.00	0.00	253
2002	Dry	17.95	32.48	59.49	68.69	0.00	48.13	0.00	0.00	0.00	0.00	0.00	10.49	237
2003	Above Normal	10.44	26.29	46.24	51.76	26.34	4.50	0.00	0.00	0.00	0.00	0.00	11.10	177
Average		18	39	52	53	32	18	2	1	0	0	0	10	225
Wet		21	45	59	54	36	18	3	2	0	0	0	12	250
Above Normal		19	36	48	52	40	22	3	0	0	0	0	10	229
Below Normal		17	41	53	56	26	16	1	0	0	0	0	11	222
Dry		17	33	53	58	35</								

Difference in Energy Use (GWh) At Pumping Plant at CVP San Luis: CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	1	0	-4	0	0	0	0	0	0	0	0
1927	Wet	-2	1	0	1	-4	-5	0	0	0	0	0	0	-1
1928	Above Norma	0	0	0	0	0	2	0	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	1	-4	0	0	0	0	0	0	-3	0
1931	Critical	-1	1	1	1	0	0	0	0	0	0	0	0	0
1932	Dry	-6	-6	0	-1	25	0	0	0	0	0	0	1	1
1933	Critical	1	1	-4	0	0	0	0	0	0	0	0	6	0
1934	Critical	1	2	0	-10	0	0	0	0	0	0	0	0	-1
1935	Below Norma	0	1	1	1	0	-3	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	-1	0	0	0	0	0	0	0	0
1937	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1938	Wet	1	0	0	-4	0	0	0	0	0	0	0	0	0
1939	Dry	-3	0	0	0	9	-5	0	0	0	0	0	1	0
1940	Above Norma	1	2	1	2	3	0	0	0	0	0	0	-1	1
1941	Wet	-1	-1	-1	-2	6	25	0	0	0	0	0	0	2
1942	Wet	2	1	1	2	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1945	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1946	Below Norma	0	0	0	0	0	0	0	0	0	0	0	-3	0
1947	Dry	1	3	1	1	1	-14	0	0	0	0	0	0	-1
1948	Below Norma	1	1	1	2	-6	0	0	0	0	0	0	0	0
1949	Dry	1	1	0	0	0	-1	0	0	0	0	0	-1	0
1950	Below Norma	1	0	-1	-2	-3	15	0	0	0	0	0	1	1
1951	Above Norma	22	2	-20	-15	0	0	0	0	0	0	0	0	-1
1952	Wet	-1	1	0	1	1	-4	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	-23	0	0	0	0	0	0	-2
1956	Wet	0	-1	-1	-1	-1	0	0	0	0	0	0	0	0
1957	Above Norma	-2	0	0	3	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	-1	0	0	0	0	0	0	0	0
1961	Dry	0	0	2	0	0	-3	0	0	0	0	0	9	1
1962	Below Norma	0	14	4	-1	1	0	0	0	0	0	0	0	1
1963	Wet	0	4	0	0	6	3	0	0	0	0	0	0	1
1964	Dry	0	0	0	0	0	0	0	0	0	0	0	-1	0
1965	Wet	0	0	0	0	2	0	0	0	0	0	0	0	0
1966	Below Norma	2	1	1	1	0	0	0	0	0	0	0	0	0
1967	Wet	0	2	0	0	0	-2	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	2	1	0	0	0	-4	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Norma	0	0	0	0	0	-3	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	-1	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	Below Norma	0	0	0	0	0	0	0	0	0	0	0	-1	0
1980	Above Norma	-1	-3	-1	-2	13	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	3	1	0	0	0	-6	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	22	0	0	0	0	0	-1	2
1986	Wet	0	-1	-1	-2	-2	12	0	1	0	0	0	0	0
1987	Dry	0	1	1	-7	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	-1	0	0	0	0	0	0	0	0
1989	Dry	0	0	15	1	9	2	0	0	0	0	0	0	2
1990	Critical	1	1	4	0	-5	0	0	0	0	0	0	0	0
1991	Critical	0	0	1	2	-1	0	0	0	0	0	0	-1	0
1992	Critical	-1	-2	0	0	-1	2	0	0	0	0	0	0	0
1993	Above Norma	0	1	-3	0	-1	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	-1	0	0	0	0	0	0	-4	0
1995	Wet	5	0	1	0	0	0	-5	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	-3	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	-1	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	2	0	0	0	0	0	0	0	0	0	0	0
2003	Above Norma	0	0	0	0	1	0	0	0	0	0	0	0	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	1	0	0	0	0	0	0	0
Above Norma		2	0	-2	-1	1	0	0	0	0	0	0	0	0
Below Norma		0	1	0	0	-1	1	0	0	0	0	0	0	0
Dry		0	0	1	0	2	-1	0	0	0	0	0	0	0
Critical		0	0	0	-1	-1	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at CVP San Luis: CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	0%	0%	0%	0%	-	-	-	-	0%
1923	Below Norma	0%	0%	0%	0%	0%	0%	-	-	-	-	-	0%
1924	Critical	0%	0%	0%	0%	-	-	-	-	-	-	-	-
1925	Dry	0%	0%	0%	0%	0%	0%	0%	-	-	-	-	1%
1926	Dry	0%	0%	1%	0%	-7%	0%	0%	-	-	-	-	-
1927	Wet	-100%	2%	1%	1%	-7%	-48%	-	-	-	-	-	0%
1928	Above Norma	0%	-1%	0%	0%	0%	13%	-	-	-	-	-	0%
1929	Critical	0%	0%	0%	1%	1%	-	-	-	-	-	-	3%
1930	Dry	1%	1%	0%	1%	-8%	0%	-	-	-	-	-	-48%
1931	Critical	-13%	4%	4%	1%	-	2%	-	-	-	-	-	-1%
1932	Dry	-37%	-26%	0%	-1%	558%	-	-	-	-	-	-	1%
1933	Critical	2%	2%	-16%	0%	-1%	-	-	-	-	-	-	57%
1934	Critical	4%	12%	0%	-30%	0%	-	-	-	-	-	-	-
1935	Below Norma	-	2%	2%	1%	2%	-11%	-2%	-	-	-	-	0%
1936	Below Norma	0%	0%	1%	0%	-8%	0%	0%	-	-	-	-	0%
1937	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	-	-	-	1%
1938	Wet	6%	0%	1%	-18%	-1%	0%	0%	0%	-	-	-	0%
1939	Dry	-10%	0%	0%	0%	387%	-53%	-	-	-	-	-	25%
1940	Above Norma	7%	9%	12%	4%	7%	0%	-	-	-	-	-	-13%
1941	Wet	-7%	-2%	-2%	-4%	13%	440%	1%	-	-	-	-	4%
1942	Wet	8%	2%	2%	2%	1%	0%	0%	-	-	-	-	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	-	-	-	-	0%
1944	Dry	0%	0%	0%	0%	0%	0%	-	-	-	-	-	1%
1945	Below Norma	0%	0%	0%	0%	-1%	-1%	-	-	-	-	-	0%
1946	Below Norma	0%	0%	0%	0%	-	0%	-	-	-	-	-	-100%
1947	Dry	5%	9%	1%	1%	1%	-65%	-	-	-	-	-	1%
1948	Below Norma	8%	4%	6%	4%	-13%	2%	17%	-	-	-	-	0%
1949	Dry	4%	3%	0%	0%	0%	-3%	-	-	-	-	-	-7%
1950	Below Norma	6%	0%	-2%	-4%	-6%	85%	8%	-	-	-	-	6%
1951	Above Norma	313%	4%	-29%	-83%	-2%	0%	-	-	-	-	-	1%
1952	Wet	-6%	3%	1%	1%	1%	-9%	0%	0%	-	-	-	0%
1953	Wet	0%	0%	0%	0%	0%	-	-	-	-	-	-	0%
1954	Above Norma	0%	0%	0%	0%	0%	0%	-	-	-	-	-	0%
1955	Dry	0%	0%	0%	0%	0%	-86%	-	-	-	-	-	0%
1956	Wet	0%	-2%	-1%	-1%	-2%	0%	-	-	-	-	-	0%
1957	Above Norma	-6%	0%	0%	8%	0%	0%	-	-	-	-	-	0%
1958	Wet	0%	0%	0%	0%	0%	0%	0%	-	-	-	-	0%
1959	Below Norma	0%	0%	0%	0%	0%	0%	-	-	-	-	-	2%
1960	Dry	0%	0%	0%	0%	-4%	0%	-	-	-	-	-	-1%
1961	Dry	-1%	0%	5%	0%	0%	-38%	-	-	-	-	-	670%
1962	Below Norma	-	91%	9%	-3%	2%	0%	-	-	-	-	-	2%
1963	Wet	1%	9%	0%	-1%	12%	58%	-	-	-	-	-	0%
1964	Dry	0%	1%	0%	0%	0%	-1%	-	-	-	-	-	-7%
1965	Wet	2%	0%	0%	0%	4%	0%	-	-	-	-	-	3%
1966	Below Norma	7%	2%	2%	2%	0%	0%	-	-	-	-	-	0%
1967	Wet	0%	8%	0%	0%	0%	-4%	0%	-	-	-	-	0%
1968	Below Norma	0%	0%	0%	0%	0%	0%	-	-	-	-	-	0%
1969	Wet	17%	1%	0%	0%	0%	-16%	0%	0%	-	-	-	0%
1970	Wet	0%	0%	0%	0%	0%	0%	-	-	-	-	-	0%
1971	Wet	0%	0%	0%	0%	0%	0%	-	-	-	-	-	0%
1972	Below Norma	0%	0%	0%	0%	0%	0%	-	-	-	-	-	1%
1973	Above Norma	0%	0%	0%	0%	0%	-7%	-	-	-	-	-	0%
1974	Wet	0%	0%	0%	0%	-3%	-5%	0%	-	-	-	-	0%
1975	Wet	0%	0%	0%	0%	0%	0%	-	-	-	-	-	0%
1976	Critical	0%	0%	0%	0%	0%	-4%	-	-	-	-	-	-
1977	Critical	0%	0%	0%	-1%	-	-	-	-	-	-2%	-	0%
1978	Above Norma	0%	0%	0%	0%	0%	0%	0%	-	-	-	-	0%
1979	Below Norma	0%	0%	0%	0%	0%	-3%	-	-	-	-	-	-6%
1980	Above Norma	-5%	-7%	-2%	-3%	52%	0%	0%	-	-	-	-	0%
1981	Dry	0%	0%	0%	0%	0%	0%	-	-	-	-	-	0%
1982	Wet	96%	2%	0%	1%	1%	-12%	0%	0%	-	-	-	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	-	-	-	0%
1984	Wet	0%	0%	0%	0%	0%	0%	-	-	-	-	-	0%
1985	Dry	0%	0%	0%	0%	0%	130%	-	-	-	-	-	-7%
1986	Wet	-3%	-4%	-2%	-3%	-4%	187%	-1%	11%	-	-	-	2%
1987	Dry	1%	1%	1%	-41%	-1%	0%	-	-	-	-	-	1%
1988	Critical	2%	1%	0%	1%	-100%	-	-	-	-	-	-	1%
1989	Dry	0%	0%	64%	1%	-	3%	-	-	-	-	-	1%
1990	Critical	9%	2%	13%	-1%	-36%	0%	-	-	-	-	-	-
1991	Critical	-1%	-2%	3%	8%	-5%	0%	-	-	-	-	-	-6%
1992	Critical	-6%	-7%	-1%	-2%	-2%	9%	-	-	-	-	-	0%
1993	Above Norma	2%	7%	-7%	-1%	-1%	0%	1%	-	-	-	-	1%
1994	Critical	0%	0%	0%	0%	-3%	0%	-	-	-	-	-	-29%
1995	Wet	-	1%	2%	1%	1%	0%	-30%	0%	-	-	-	0%
1996	Wet	0%	0%	0%	0%	0%	0%	-	-	-	-	-	1%
1997	Wet	1%	0%	0%	0%	-5%	0%	-	-	-	-	-	0%
1998	Wet	2%	0%	0%	0%	-3%	0%	0%	-	-	-	-	0%
1999	Wet	0%	0%	0%	0%	0%	0%	-	-	-	-	-	0%
2000	Above Norma	0%	0%	0%	0%	0%	-1%	-	-	-	-	-	0%
2001	Dry	0%	0%	0%	0%	0%	0%	-	-	-	-	-	-
2002	Dry	-1%	6%	0%	0%	-	0%	-	-	-	-	-	0%
2003	Above Norma	0%	0%	0%	0%	2%	-1%	-	-	-	-	-	0%
Average		4%	2%	1%	-2%	11%	8%	0%	1%	#DIV/0!	-2%	#DIV/0!	7%
Wet		1%	1%	0%	-1%	0%	23%	-1%	0%	0%	0%	0%	-1%
Above Norma		26%	1%	-2%	-6%	5%	0%	0%	0%	0%	0%	0%	0%
Below Norma		2%	7%	1%	0%	-2%	5%	2%	0%	0%	0%	0%	-7%
Dry		-2%	0%	4%	-2%	51%	-6%	0%	0%	0%	0%	0%	35%
Critical		0%	1%	0%	-2%	-12%	1%	0%	0%	0%	0%	0%	2%

Energy Use (GWh) At Pumping Plant at DMC Intertie: CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	0.55	0.85	0.97	0.96	0.81	0.00	0.00	0.00	0.00	0.03	0.15	0.31	5
1923	Below Normal	0.63	0.87	0.98	0.97	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.34	4
1924	Critical	0.67	0.88	0.00	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3
1925	Dry	0.00	0.00	1.02	1.01	0.89	0.00	0.00	0.00	0.00	0.00	0.00	0.50	3
1926	Dry	0.00	0.00	0.00	0.99	0.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1
1927	Wet	0.00	0.95	1.01	1.00	0.88	0.00	0.00	0.00	0.00	0.00	0.00	0.34	4
1928	Above Normal	0.68	0.88	0.98	0.97	0.87	0.00	0.00	0.00	0.00	0.00	0.22	0.35	5
1929	Critical	0.69	0.89	0.99	0.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4
1930	Dry	0.00	0.00	1.01	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2
1931	Critical	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1
1932	Dry	0.00	0.00	1.02	1.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.82	3
1933	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1934	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1935	Below Normal	0.00	0.00	0.00	1.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.61	2
1936	Below Normal	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.46	1
1937	Below Normal	0.00	0.00	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.59	2
1938	Wet	0.00	0.93	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.28	2
1939	Dry	0.89	0.85	0.97	0.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4
1940	Above Normal	0.00	0.00	0.00	0.98	0.89	0.85	0.00	0.00	0.00	0.00	0.24	0.36	3
1941	Wet	0.72	0.90	0.99	0.98	0.00	0.00	0.00	0.00	0.00	0.02	0.14	0.31	4
1942	Wet	0.62	0.87	0.98	0.97	0.00	0.00	0.00	0.00	0.00	0.05	0.17	0.32	4
1943	Wet	0.64	0.87	0.98	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.29	4
1944	Dry	0.59	0.86	0.98	0.96	0.85	0.87	0.00	0.00	0.00	0.00	0.00	0.00	5
1945	Below Normal	0.00	0.92	1.00	0.99	0.00	0.00	0.00	0.00	0.00	0.08	0.19	0.33	4
1946	Below Normal	0.66	0.88	0.98	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00	4
1947	Dry	0.72	0.90	0.99	0.98	0.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4
1948	Below Normal	0.00	0.46	0.00	0.00	0.89	0.00	0.00	0.00	0.00	0.12	0.00	0.35	2
1949	Dry	0.55	0.00	0.99	0.98	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.35	3
1950	Below Normal	0.00	0.71	0.77	0.98	0.84	0.00	0.00	0.00	0.00	0.00	0.34	0.56	4
1951	Above Normal	0.00	0.93	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.33	2
1952	Wet	0.66	0.88	0.98	0.97	0.87	0.00	0.00	0.00	0.00	0.00	0.07	0.28	5
1953	Wet	0.55	0.85	0.97	0.96	0.22	0.00	0.00	0.00	0.00	0.11	0.21	0.34	4
1954	Above Normal	0.69	0.89	0.99	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.34	4
1955	Dry	0.68	0.88	0.98	0.97	0.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4
1956	Wet	0.00	0.76	1.00	0.99	0.00	0.00	0.00	0.00	0.00	0.09	0.19	0.34	3
1957	Above Normal	0.92	0.88	0.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.33	3
1958	Wet	0.66	0.88	0.98	0.97	0.83	0.00	0.00	0.00	0.00	0.00	0.07	0.28	5
1959	Below Normal	0.55	0.85	0.97	0.96	0.81	0.00	0.00	0.00	0.00	0.11	0.00	0.00	4
1960	Dry	0.00	0.00	0.00	0.00	0.00	0.55	0.00	0.00	0.00	0.00	0.00	0.00	1
1961	Dry	0.00	0.95	0.00	1.00	0.87	0.00	0.00	0.00	0.00	0.00	0.24	0.00	3
1962	Below Normal	0.00	0.00	0.00	0.98	0.84	0.85	0.00	0.00	0.00	0.15	0.24	0.21	3
1963	Wet	0.72	0.90	0.99	0.98	0.03	0.00	0.00	0.00	0.00	0.00	0.17	0.33	4
1964	Dry	0.65	0.88	0.98	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.39	4
1965	Wet	0.00	0.92	1.00	0.99	0.00	0.00	0.00	0.00	0.00	0.09	0.19	0.34	4
1966	Below Normal	0.67	0.88	0.98	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.34	4
1967	Wet	0.68	0.00	0.98	0.97	0.84	0.00	0.00	0.00	0.00	0.00	0.07	0.28	4
1968	Below Normal	0.55	0.85	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.00	3
1969	Wet	0.00	0.89	0.98	0.97	0.84	0.00	0.00	0.00	0.00	0.00	0.07	0.28	4
1970	Wet	0.55	0.85	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.34	3
1971	Wet	0.69	0.89	0.99	0.97	0.00	0.83	0.00	0.00	0.00	0.00	0.21	0.35	5
1972	Below Normal	0.69	0.89	0.99	0.97	0.39	0.00	0.00	0.00	0.00	0.00	0.22	0.35	4
1973	Above Normal	0.70	0.89	0.99	0.98	0.84	0.14	0.00	0.00	0.00	0.09	0.19	0.34	5
1974	Wet	0.67	0.88	0.98	0.97	0.84	0.00	0.00	0.00	0.00	0.02	0.14	0.31	5
1975	Wet	0.62	0.87	0.98	0.97	0.83	0.00	0.00	0.00	0.00	0.00	0.20	0.34	5
1976	Critical	0.68	0.88	0.98	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4
1977	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1978	Above Normal	0.00	0.00	0.00	1.01	0.89	0.00	0.00	0.00	0.00	0.00	0.07	0.28	2
1979	Below Normal	0.55	0.85	0.97	0.96	0.81	0.00	0.00	0.00	0.00	0.10	0.00	0.34	5
1980	Above Normal	0.68	0.89	0.98	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.30	4
1981	Dry	0.60	0.86	0.98	0.96	0.82	0.00	0.00	0.00	0.00	0.07	0.18	0.33	5
1982	Wet	0.00	0.88	0.98	0.97	0.83	0.00	0.00	0.00	0.00	0.00	0.07	0.28	4
1983	Wet	0.55	0.85	0.97	0.96	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.28	4
1984	Wet	0.55	0.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.34	2
1985	Dry	0.69	0.89	0.99	0.97	0.78	0.00	0.00	0.00	0.00	0.12	0.21	0.35	5
1986	Wet	0.28	0.89	0.99	0.98	0.84	0.00	0.00	0.00	0.00	0.00	0.24	0.36	5
1987	Dry	0.72	0.90	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3
1988	Critical	0.00	0.87	1.00	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3
1989	Dry	0.00	0.00	0.00	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	2
1990	Critical	0.00	0.93	0.00	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2
1991	Critical	0.00	0.00	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.00	0.00	0.00	1
1992	Critical	0.00	0.00	0.00	0.00	0.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1
1993	Above Normal	0.00	0.00	0.00	0.99	0.86	0.85	0.00	0.00	0.00	0.12	0.00	0.35	3
1994	Critical	0.69	0.89	0.99	0.98	0.00	0.00	0.00	0.00	0.00	0.05	0.16	0.32	4
1995	Wet	0.00	0.00	0.98	0.97	0.83	0.77	0.00	0.00	0.00	0.00	0.07	0.28	4
1996	Wet	0.55	0.85	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.15	0.31	3
1997	Wet	0.63	0.87	0.98	0.97	0.82	0.00	0.00	0.00	0.00	0.00	0.21	0.00	4
1998	Wet	0.00	0.89	0.99	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.28	3
1999	Wet	0.55	0.85	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.34	3
2000	Above Normal	0.68	0.88	0.98	0.97	0.87	0.00	0.00	0.00	0.00	0.00	0.18	0.33	5
2001	Dry	0.65	0.88	0.08	0.97	0.83	0.91	0.00	0.00	0.00	0.00	0.00	0.00	4
2002	Dry	0.00	0.00	1.00	0.99	0.00	0.85	0.00	0.00	0.00	0.11	0.00	0.35	3
2003	Above Normal	0.00	0.00	0.99	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.36	3
Average		0	1	1	1	0	0	0	0	0	0	0	0	3
Wet		0	1	1	1	0	0	0	0	0	0	0	0	4
Above Normal		0	1	1	1	1	0	0	0	0	0	0	0	4
Below Normal		0	1	1	1	0	0	0	0	0	0	0	0	3
Dry		0	0	1	1	0	0	0	0	0	0	0	0	3
Critical		0	0	0	1	0	0	0	0	0	0	0	0	2

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Energy Use (GWh) At Pumping Plant at DMC Intertie: CP4B_2020

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	0.55	0.85	0.97	0.96	0.81	0.00	0.00	0.00	0.00	0.03	0.15	0.31	5
1923	Below Normal	0.63	0.87	0.98	0.97	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.34	4
1924	Critical	0.67	0.88	0.00	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3
1925	Dry	0.00	0.00	1.02	1.01	0.89	0.00	0.00	0.00	0.00	0.00	0.00	0.51	3
1926	Dry	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1
1927	Wet	0.00	0.95	1.01	1.00	0.27	0.00	0.00	0.00	0.00	0.00	0.20	0.34	4
1928	Above Normal	0.68	0.88	0.98	0.97	0.87	0.00	0.00	0.00	0.00	0.00	0.22	0.35	5
1929	Critical	0.70	0.89	0.99	0.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4
1930	Dry	0.00	0.00	1.01	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2
1931	Critical	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1
1932	Dry	0.00	0.00	1.02	1.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.83	3
1933	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1934	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1935	Below Normal	0.00	0.00	0.00	1.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.61	2
1936	Below Normal	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.46	1
1937	Below Normal	0.00	0.00	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	2
1938	Wet	0.00	0.93	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.28	2
1939	Dry	0.55	0.85	0.97	0.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3
1940	Above Normal	0.00	0.00	0.00	0.99	0.89	0.85	0.00	0.00	0.00	0.00	0.20	0.34	3
1941	Wet	0.68	0.89	0.98	0.97	0.84	0.00	0.00	0.00	0.00	0.02	0.14	0.31	5
1942	Wet	0.62	0.87	0.98	0.97	0.00	0.00	0.00	0.00	0.00	0.05	0.17	0.32	4
1943	Wet	0.64	0.87	0.98	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.29	4
1944	Dry	0.59	0.86	0.98	0.96	0.85	0.87	0.00	0.00	0.00	0.00	0.00	0.00	5
1945	Below Normal	0.00	0.92	1.00	0.99	0.00	0.00	0.00	0.00	0.00	0.08	0.19	0.33	4
1946	Below Normal	0.66	0.88	0.98	0.97	0.00	0.00	0.00	0.00	0.00	0.14	0.23	0.00	4
1947	Dry	0.72	0.90	0.99	0.98	0.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4
1948	Below Normal	0.00	0.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.35	1
1949	Dry	0.70	0.00	0.99	0.98	0.00	0.00	0.00	0.00	0.00	0.09	0.19	0.34	3
1950	Below Normal	0.23	0.62	0.72	0.97	0.84	0.00	0.00	0.00	0.00	0.00	0.35	0.58	4
1951	Above Normal	0.13	0.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.33	2
1952	Wet	0.32	0.88	0.98	0.97	0.87	0.00	0.00	0.00	0.00	0.00	0.07	0.28	4
1953	Wet	0.55	0.85	0.97	0.96	0.22	0.00	0.00	0.00	0.00	0.11	0.21	0.34	4
1954	Above Normal	0.69	0.89	0.99	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.34	4
1955	Dry	0.68	0.88	0.98	0.97	0.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4
1956	Wet	0.00	0.79	1.00	0.99	0.00	0.00	0.00	0.00	0.00	0.09	0.19	0.34	3
1957	Above Normal	0.67	0.88	0.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.33	3
1958	Wet	0.66	0.88	0.98	0.97	0.83	0.00	0.00	0.00	0.00	0.00	0.07	0.28	5
1959	Below Normal	0.55	0.85	0.97	0.96	0.81	0.00	0.00	0.00	0.00	0.11	0.00	0.00	4
1960	Dry	0.00	0.00	0.00	0.00	0.00	0.56	0.00	0.00	0.00	0.00	0.00	0.00	1
1961	Dry	0.00	0.95	0.00	1.00	0.87	0.00	0.00	0.00	0.00	0.00	0.00	0.08	3
1962	Below Normal	0.00	0.02	0.00	0.61	0.85	0.84	0.00	0.00	0.00	0.00	0.22	0.35	3
1963	Wet	0.70	0.89	0.99	0.98	0.84	0.00	0.00	0.00	0.00	0.00	0.17	0.33	5
1964	Dry	0.65	0.88	0.98	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	4
1965	Wet	0.00	0.92	1.00	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.34	3
1966	Below Normal	0.67	0.88	0.98	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.34	4
1967	Wet	0.68	0.00	0.98	0.97	0.84	0.00	0.00	0.00	0.00	0.00	0.07	0.28	4
1968	Below Normal	0.55	0.85	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.00	3
1969	Wet	0.00	0.89	0.98	0.97	0.84	0.00	0.00	0.00	0.00	0.00	0.07	0.28	4
1970	Wet	0.55	0.85	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.34	3
1971	Wet	0.69	0.89	0.99	0.97	0.00	0.83	0.00	0.00	0.00	0.00	0.21	0.35	5
1972	Below Normal	0.69	0.89	0.99	0.97	0.38	0.00	0.00	0.00	0.00	0.00	0.22	0.35	4
1973	Above Normal	0.70	0.89	0.99	0.98	0.84	0.00	0.00	0.00	0.00	0.09	0.19	0.34	5
1974	Wet	0.67	0.88	0.98	0.97	0.68	0.00	0.00	0.00	0.00	0.02	0.14	0.31	5
1975	Wet	0.62	0.87	0.98	0.97	0.83	0.00	0.00	0.00	0.00	0.10	0.20	0.34	5
1976	Critical	0.68	0.88	0.98	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4
1977	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1978	Above Normal	0.00	0.00	0.00	1.01	0.89	0.00	0.00	0.00	0.00	0.00	0.07	0.28	2
1979	Below Normal	0.55	0.85	0.97	0.96	0.81	0.00	0.00	0.00	0.00	0.09	0.09	0.34	5
1980	Above Normal	0.67	0.88	0.98	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.30	4
1981	Dry	0.60	0.86	0.98	0.96	0.82	0.00	0.00	0.00	0.00	0.07	0.16	0.33	5
1982	Wet	0.00	0.88	0.98	0.97	0.83	0.00	0.00	0.00	0.00	0.00	0.07	0.28	4
1983	Wet	0.55	0.85	0.97	0.96	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.28	4
1984	Wet	0.55	0.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.34	2
1985	Dry	0.69	0.89	0.99	0.97	0.78	0.00	0.00	0.00	0.00	0.09	0.19	0.34	5
1986	Wet	0.30	0.86	0.98	0.97	0.84	0.00	0.00	0.00	0.00	0.00	0.25	0.36	5
1987	Dry	0.73	0.90	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3
1988	Critical	0.00	0.92	1.00	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3
1989	Dry	0.00	0.00	0.00	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	2
1990	Critical	0.00	0.92	0.00	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2
1991	Critical	0.00	0.00	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.00	0.00	0.00	1
1992	Critical	0.00	0.00	0.00	0.00	0.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1
1993	Above Normal	0.00	0.00	0.00	0.99	0.86	0.85	0.00	0.00	0.00	0.12	0.00	0.35	3
1994	Critical	0.70	0.89	0.99	0.98	0.00	0.00	0.00	0.00	0.00	0.05	0.16	0.00	4
1995	Wet	0.00	0.00	0.98	0.97	0.83	0.77	0.00	0.00	0.00	0.00	0.07	0.28	4
1996	Wet	0.55	0.85	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.15	0.31	3
1997	Wet	0.63	0.87	0.98	0.97	0.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4
1998	Wet	0.00	0.89	0.99	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.28	3
1999	Wet	0.55	0.85	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.34	3
2000	Above Normal	0.68	0.88	0.98	0.97	0.87	0.00	0.00	0.00	0.00	0.00	0.18	0.33	5
2001	Dry	0.65	0.88	0.09	0.97	0.83	0.91	0.00	0.00	0.00	0.00	0.00	0.00	4
2002	Dry	0.00	0.10	1.00	0.99	0.00	0.84	0.00	0.00	0.00	0.11	0.00	0.34	3
2003	Above Normal	0.00	0.00	0.99	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.36	3
Average		0	1	1	1	0	0	0	0	0	0	0	0	3
Wet		0	1	1	1	0	0	0	0	0	0	0	0	4
Above Normal		0	1	1	1	1	0	0	0	0	0	0	0	4
Below Normal		0	1	1	1	0	0	0	0	0	0	0	0	3
Dry		0	0	1	1	0	0	0	0	0	0	0	0	3
Critical		0	0	0	1	0	0	0	0	0	0	0	0	2

Difference in Energy Use (GWh) At Pumping Plant at DMC Intertie: CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	0	0	-1	0	0	0	0	0	0	0	0
1927	Wet	0	0	0	0	-1	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1932	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1935	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1940	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	0	1	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1945	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1946	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1947	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1948	Below Norma	0	0	0	0	-1	0	0	0	0	0	0	0	0
1949	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1951	Above Norma	0	0	-1	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1961	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1963	Wet	0	0	0	0	1	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1965	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1966	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Below Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Dry		0	0	0	0	0	0	0	0	0	0	0	0	0
Critical		0	0	0	0	0	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at DMC Intertie: CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	0%	0%	-	-	-	-	0%	0%	0%
1923	Below Norma	0%	0%	0%	0%	-	-	-	-	-	0%	-	0%
1924	Critical	0%	0%	-	0%	-	-	-	-	-	-	-	-
1925	Dry	-	-	0%	0%	0%	-	-	-	-	-	-	1%
1926	Dry	-	-	-	0%	-100%	-	-	-	-	-	-	-
1927	Wet	-	0%	0%	0%	-69%	-	-	-	-	-	34691090%	0%
1928	Above Norma	0%	0%	0%	0%	0%	-	-	-	-	-	0%	0%
1929	Critical	0%	0%	0%	0%	-	-	-	-	-	-	-	-
1930	Dry	-	-	0%	0%	-	-	-	-	-	-	-	-
1931	Critical	-	-	-	0%	-	-	-	-	-	-	-	-
1932	Dry	-	-	0%	0%	-	-	-	-	-	-	-	1%
1933	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1934	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1935	Below Norma	-	-	-	0%	-	-	-	-	-	-	-	0%
1936	Below Norma	-	-	-	0%	-	-	-	-	-	-	-	0%
1937	Below Norma	-	-	0%	-	-	-	-	-	-	-	-	1%
1938	Wet	-	0%	0%	-	-	-	-	-	-	-	0%	0%
1939	Dry	-38%	0%	0%	0%	-	-	-	-	-	-	-	-
1940	Above Norma	-	-	-	0%	1%	-1%	-	-	-	-	-16%	-5%
1941	Wet	-6%	-1%	0%	0%	-	-	-	-	-	0%	0%	0%
1942	Wet	0%	0%	0%	0%	-	-	-	-	-	0%	0%	0%
1943	Wet	0%	0%	0%	0%	-	-	-	-	-	-	0%	0%
1944	Dry	0%	0%	0%	0%	0%	0%	-	-	-	-	-	-
1945	Below Norma	-	0%	0%	0%	-	-	-	-	-	0%	0%	0%
1946	Below Norma	0%	0%	0%	0%	-	-	-	-	-	-	0%	-
1947	Dry	0%	0%	0%	0%	0%	-	-	-	-	-	-	-
1948	Below Norma	-	35%	-	-	-100%	-	-	-	-	-1%	-	0%
1949	Dry	25%	-	0%	0%	-	-	-	-	-	-28%	-	-4%
1950	Below Norma	-	-13%	-6%	0%	-1%	-	-	-	-	-	2%	3%
1951	Above Norma	-	0%	-100%	-	-	-	-	-	-	-	0%	0%
1952	Wet	-51%	0%	0%	0%	0%	-	-	-	-	-	0%	0%
1953	Wet	0%	0%	0%	0%	0%	-	-	-	-	0%	0%	0%
1954	Above Norma	0%	0%	0%	0%	-	-	-	-	-	-	0%	0%
1955	Dry	0%	0%	0%	0%	0%	-	-	-	-	-	-	-
1956	Wet	-	5%	0%	0%	-	-	-	-	-	0%	0%	0%
1957	Above Norma	-27%	0%	0%	-	-	-	-	-	-	-	0%	0%
1958	Wet	0%	0%	0%	0%	0%	-	-	-	-	-	0%	0%
1959	Below Norma	0%	0%	0%	0%	0%	-	-	-	-	0%	-	-
1960	Dry	-	-	-	-	-	2%	-	-	-	-	-	-
1961	Dry	-	0%	-	0%	0%	-	-	-	-	-	-100%	-
1962	Below Norma	-	-	-100%	-37%	0%	-1%	-	-	-	-100%	-8%	69%
1963	Wet	-3%	-1%	0%	0%	2538%	-	-	-	-	-	0%	0%
1964	Dry	0%	0%	0%	0%	-	-	-	-	-	-	-	-58%
1965	Wet	-	0%	0%	0%	-	-	-	-	-	-100%	0%	0%
1966	Below Norma	0%	0%	0%	0%	-	-	-	-	-	-	0%	0%
1967	Wet	0%	-	0%	0%	0%	-	-	-	-	-	0%	0%
1968	Below Norma	0%	0%	0%	-	-	-	-	-	-	-	0%	-
1969	Wet	-	0%	0%	0%	0%	-	-	-	-	-	0%	0%
1970	Wet	0%	0%	0%	-	-	-	-	-	-	-	0%	0%
1971	Wet	0%	0%	0%	0%	-	0%	-	-	-	-	0%	0%
1972	Below Norma	0%	0%	0%	0%	-1%	-	-	-	-	-	0%	0%
1973	Above Norma	0%	0%	0%	0%	0%	-100%	-	-	-	0%	0%	0%
1974	Wet	0%	0%	0%	0%	-19%	-	-	-	-	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	-	-	-	-	-	0%	0%
1976	Critical	0%	0%	0%	0%	-	-	-	-	-	-	-	-
1977	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1978	Above Norma	-	-	-	0%	0%	-	-	-	-	-	0%	0%
1979	Below Norma	0%	0%	0%	0%	0%	-	-	-	-	-14%	-	-2%
1980	Above Norma	-2%	0%	0%	0%	-	-	-	-	-	-	0%	0%
1981	Dry	0%	0%	0%	0%	0%	-	-	-	-	0%	-11%	0%
1982	Wet	-	0%	0%	0%	0%	-	-	-	-	-	0%	0%
1983	Wet	0%	0%	0%	0%	-	-	-	-	-	-	0%	0%
1984	Wet	0%	0%	-	-	-	-	-	-	-	-	0%	0%
1985	Dry	0%	0%	0%	0%	0%	-	-	-	-	-25%	-10%	-3%
1986	Wet	7%	-3%	0%	0%	0%	-	-	-	-	-	3%	1%
1987	Dry	1%	0%	0%	-	-	-	-	-	-	-	-	-
1988	Critical	-	6%	0%	0%	-	-	-	-	-	-	-	-
1989	Dry	-	-	-	0%	-	0%	-	-	-	-	-	-
1990	Critical	-	0%	-	0%	-	-	-	-	-	-	-	-
1991	Critical	-	-	-	-	-	0%	-	-	-	-	-	-
1992	Critical	-	-	-	-	0%	-	-	-	-	-	-	-
1993	Above Norma	-	-	-	0%	0%	0%	-	-	-	3%	-	0%
1994	Critical	0%	0%	0%	0%	-	-	-	-	-	0%	0%	-100%
1995	Wet	-	-	0%	0%	0%	0%	-	-	-	-	0%	0%
1996	Wet	0%	0%	0%	-	-	-	-	-	-	0%	0%	0%
1997	Wet	0%	0%	0%	0%	-43%	-	-	-	-	-	-100%	-
1998	Wet	-	0%	0%	0%	-	-	-	-	-	-	0%	0%
1999	Wet	0%	0%	0%	-	-	-	-	-	-	-	0%	0%
2000	Above Norma	0%	0%	0%	0%	0%	-	-	-	-	-	0%	0%
2001	Dry	0%	0%	13%	0%	0%	0%	-	-	-	-	-	-
2002	Dry	-	-	0%	0%	-	0%	-	-	-	-1%	-	0%
2003	Above Norma	-	-	0%	0%	-	-	-	-	-	-	0%	0%
Average		-2%	0%	-3%	-1%	61%	-8%	#DIV/0!	#DIV/0!	#DIV/0!	-13%	722726%	-2%
Wet		-2%	0%	0%	0%	93%	0%	0%	0%	0%	-4%	1334269%	0%
Above Norma		-2%	0%	-8%	0%	0%	-8%	0%	0%	0%	0%	-1%	0%
Below Norma		0%	2%	-8%	-3%	-7%	0%	0%	0%	0%	-8%	0%	5%
Dry		-1%	0%	1%	0%	-6%	0%	0%	0%	0%	-3%	-7%	-4%
Critical		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-8%

Energy Use (GWh) At Pumping Plant at DMC Other: CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	0.07	0.03	0.02	0.01	0.02	0.02	0.01	0.02	0.06	0.10	0.10	0.08	1
1923	Below Normal	0.07	0.03	0.02	0.01	0.03	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1924	Critical	0.07	0.03	0.01	0.01	0.02	0.03	0.04	0.05	0.07	0.07	0.07	0.06	1
1925	Dry	0.05	0.02	0.01	0.01	0.01	0.04	0.05	0.07	0.09	0.10	0.09	0.08	1
1926	Dry	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.06	0.09	0.09	0.09	0.07	1
1927	Wet	0.06	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1928	Above Normal	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1929	Critical	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.09	0.09	0.09	0.07	1
1930	Dry	0.06	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.09	0.09	0.09	0.07	1
1931	Critical	0.06	0.03	0.01	0.01	0.02	0.03	0.04	0.05	0.07	0.07	0.07	0.06	1
1932	Dry	0.05	0.02	0.01	0.01	0.01	0.03	0.04	0.05	0.07	0.07	0.07	0.06	0
1933	Critical	0.05	0.02	0.01	0.01	0.02	0.03	0.04	0.05	0.07	0.07	0.07	0.06	0
1934	Critical	0.05	0.02	0.01	0.01	0.01	0.03	0.04	0.05	0.07	0.07	0.07	0.06	0
1935	Below Normal	0.05	0.02	0.01	0.01	0.01	0.04	0.05	0.07	0.08	0.09	0.09	0.07	1
1936	Below Normal	0.07	0.03	0.01	0.01	0.00	0.04	0.01	0.03	0.09	0.10	0.10	0.08	1
1937	Below Normal	0.07	0.03	0.01	0.00	0.01	0.01	0.01	0.02	0.08	0.09	0.09	0.08	0
1938	Wet	0.07	0.03	0.01	0.00	0.00	0.01	0.01	0.02	0.03	0.07	0.10	0.08	0
1939	Dry	0.07	0.03	0.02	0.01	0.03	0.04	0.05	0.07	0.09	0.10	0.10	0.08	1
1940	Above Normal	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.06	0.09	0.10	0.10	0.08	1
1941	Wet	0.07	0.03	0.01	0.00	0.01	0.03	0.01	0.03	0.06	0.10	0.10	0.08	1
1942	Wet	0.07	0.03	0.01	0.00	0.01	0.04	0.05	0.06	0.05	0.10	0.10	0.08	1
1943	Wet	0.07	0.03	0.02	0.00	0.02	0.01	0.01	0.02	0.09	0.10	0.10	0.08	1
1944	Dry	0.07	0.03	0.02	0.01	0.03	0.04	0.05	0.07	0.09	0.10	0.09	0.08	1
1945	Below Normal	0.07	0.03	0.01	0.01	0.01	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1946	Below Normal	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.06	0.09	0.10	0.10	0.08	1
1947	Dry	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.09	0.10	0.10	0.08	1
1948	Below Normal	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1949	Dry	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1950	Below Normal	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.09	0.09	0.09	0.08	1
1951	Above Normal	0.07	0.03	0.01	0.00	0.01	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1952	Wet	0.07	0.03	0.02	0.01	0.01	0.01	0.01	0.02	0.03	0.09	0.10	0.08	0
1953	Wet	0.07	0.03	0.02	0.01	0.03	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1954	Above Normal	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1955	Dry	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.09	0.09	0.09	0.08	1
1956	Wet	0.07	0.03	0.01	0.00	0.01	0.01	0.03	0.03	0.06	0.10	0.10	0.08	1
1957	Above Normal	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1958	Wet	0.07	0.03	0.02	0.01	0.02	0.01	0.01	0.02	0.03	0.11	0.10	0.08	1
1959	Below Normal	0.07	0.03	0.02	0.01	0.03	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1960	Dry	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.09	0.09	0.09	0.07	1
1961	Dry	0.06	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.09	0.10	0.10	0.08	1
1962	Below Normal	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.09	0.10	0.10	0.08	1
1963	Wet	0.07	0.03	0.01	0.01	0.01	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1964	Dry	0.07	0.03	0.02	0.01	0.02	0.04	0.05	0.07	0.09	0.10	0.09	0.08	1
1965	Wet	0.07	0.03	0.01	0.00	0.01	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1966	Below Normal	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1967	Wet	0.07	0.03	0.01	0.01	0.02	0.01	0.01	0.02	0.03	0.02	0.10	0.08	0
1968	Below Normal	0.07	0.02	0.02	0.01	0.03	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1969	Wet	0.07	0.03	0.01	0.00	0.01	0.01	0.01	0.02	0.03	0.02	0.10	0.08	0
1970	Wet	0.07	0.03	0.02	0.00	0.01	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1971	Wet	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1972	Below Normal	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1973	Above Normal	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.04	0.08	0.10	0.10	0.08	1
1974	Wet	0.07	0.03	0.01	0.00	0.02	0.04	0.04	0.04	0.07	0.10	0.10	0.08	1
1975	Wet	0.07	0.03	0.02	0.01	0.03	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1976	Critical	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.09	0.09	0.09	0.07	1
1977	Critical	0.06	0.03	0.01	0.01	0.02	0.03	0.04	0.05	0.07	0.07	0.07	0.06	1
1978	Above Normal	0.05	0.02	0.01	0.01	0.00	0.01	0.01	0.02	0.03	0.07	0.10	0.08	0
1979	Below Normal	0.07	0.03	0.02	0.01	0.02	0.03	0.05	0.06	0.10	0.10	0.10	0.08	1
1980	Above Normal	0.07	0.03	0.01	0.00	0.01	0.01	0.01	0.02	0.06	0.09	0.10	0.08	0
1981	Dry	0.07	0.03	0.02	0.01	0.03	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1982	Wet	0.07	0.03	0.02	0.01	0.01	0.01	0.01	0.02	0.03	0.10	0.10	0.08	0
1983	Wet	0.06	0.01	0.01	0.00	0.01	0.01	0.01	0.02	0.03	0.02	0.07	0.06	0
1984	Wet	0.03	0.01	0.01	0.00	0.02	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1985	Dry	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1986	Wet	0.07	0.03	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.10	0.10	0.08	0
1987	Dry	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.09	0.10	0.10	0.08	1
1988	Critical	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.09	0.09	0.09	0.07	1
1989	Dry	0.06	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.09	0.09	0.09	0.08	1
1990	Critical	0.07	0.03	0.01	0.01	0.02	0.04	0.04	0.06	0.08	0.09	0.09	0.07	1
1991	Critical	0.06	0.03	0.01	0.01	0.02	0.03	0.04	0.05	0.07	0.07	0.07	0.06	1
1992	Critical	0.05	0.02	0.01	0.01	0.02	0.03	0.04	0.06	0.07	0.08	0.08	0.06	1
1993	Above Normal	0.05	0.02	0.01	0.01	0.01	0.04	0.01	0.04	0.05	0.10	0.10	0.08	1
1994	Critical	0.07	0.03	0.01	0.01	0.02	0.04	0.04	0.06	0.08	0.08	0.08	0.06	1
1995	Wet	0.05	0.02	0.01	0.01	0.01	0.01	0.01	0.02	0.03	0.02	0.10	0.08	0
1996	Wet	0.07	0.03	0.01	0.01	0.01	0.01	0.01	0.05	0.02	0.10	0.10	0.08	1
1997	Wet	0.07	0.03	0.01	0.00	0.01	0.01	0.05	0.03	0.10	0.10	0.10	0.08	1
1998	Wet	0.07	0.03	0.01	0.01	0.01	0.01	0.01	0.02	0.03	0.02	0.10	0.08	0
1999	Wet	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
2000	Above Normal	0.07	0.03	0.01	0.01	0.02	0.03	0.05	0.07	0.10	0.10	0.10	0.08	1
2001	Dry	0.07	0.03	0.02	0.01	0.02	0.04	0.05	0.07	0.09	0.09	0.09	0.07	1
2002	Dry	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
2003	Above Normal	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.09	0.10	0.10	0.08	1
Average		0	0	0	0	0	0	0	0	0	0	0	0	1
Wet		0	0	0	0	0	0	0	0	0	0	0	0	1
Above Normal		0	0	0	0	0	0	0	0	0	0	0	0	1
Below Normal		0	0	0	0	0	0	0	0	0	0	0	0	1
Dry		0	0	0	0	0	0	0	0	0	0	0	0	1
Critical		0	0	0	0	0	0	0	0	0	0	0	0	1

Energy Use (GWh) At Pumping Plant at DMC Other: CP4B_2020

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	0.07	0.03	0.02	0.01	0.02	0.02	0.01	0.02	0.06	0.10	0.10	0.08	1
1923	Below Normal	0.07	0.03	0.02	0.01	0.03	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1924	Critical	0.07	0.03	0.01	0.01	0.02	0.03	0.04	0.05	0.07	0.07	0.07	0.06	1
1925	Dry	0.05	0.02	0.01	0.01	0.01	0.04	0.05	0.07	0.09	0.10	0.09	0.08	1
1926	Dry	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.06	0.09	0.09	0.09	0.07	1
1927	Wet	0.06	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1928	Above Normal	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1929	Critical	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.09	0.09	0.09	0.07	1
1930	Dry	0.06	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.09	0.09	0.09	0.07	1
1931	Critical	0.06	0.03	0.01	0.01	0.02	0.03	0.04	0.05	0.07	0.07	0.07	0.06	1
1932	Dry	0.05	0.02	0.01	0.01	0.01	0.03	0.04	0.05	0.07	0.07	0.07	0.06	0
1933	Critical	0.05	0.02	0.01	0.01	0.01	0.03	0.04	0.05	0.07	0.07	0.07	0.06	0
1934	Critical	0.05	0.02	0.01	0.01	0.01	0.03	0.04	0.05	0.07	0.07	0.07	0.06	0
1935	Below Normal	0.05	0.02	0.01	0.01	0.01	0.04	0.05	0.07	0.08	0.09	0.09	0.07	1
1936	Below Normal	0.07	0.03	0.01	0.01	0.00	0.04	0.01	0.03	0.09	0.10	0.10	0.08	1
1937	Below Normal	0.07	0.03	0.01	0.00	0.01	0.01	0.01	0.02	0.08	0.09	0.09	0.08	0
1938	Wet	0.07	0.03	0.01	0.00	0.00	0.01	0.01	0.02	0.03	0.07	0.10	0.08	0
1939	Dry	0.07	0.03	0.02	0.01	0.03	0.04	0.05	0.07	0.09	0.10	0.09	0.08	1
1940	Above Normal	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.06	0.10	0.10	0.10	0.08	1
1941	Wet	0.07	0.03	0.01	0.00	0.01	0.03	0.01	0.03	0.06	0.10	0.10	0.08	1
1942	Wet	0.07	0.03	0.01	0.00	0.01	0.04	0.05	0.06	0.05	0.10	0.10	0.08	1
1943	Wet	0.07	0.03	0.02	0.00	0.02	0.01	0.01	0.02	0.09	0.10	0.10	0.08	1
1944	Dry	0.07	0.03	0.02	0.01	0.03	0.04	0.05	0.07	0.09	0.10	0.09	0.08	1
1945	Below Normal	0.07	0.03	0.01	0.01	0.01	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1946	Below Normal	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.06	0.09	0.10	0.10	0.08	1
1947	Dry	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.09	0.10	0.09	0.08	1
1948	Below Normal	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1949	Dry	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1950	Below Normal	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.09	0.09	0.09	0.08	1
1951	Above Normal	0.07	0.03	0.01	0.00	0.01	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1952	Wet	0.07	0.03	0.02	0.01	0.01	0.01	0.01	0.02	0.03	0.09	0.10	0.08	0
1953	Wet	0.07	0.03	0.02	0.01	0.03	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1954	Above Normal	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1955	Dry	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.09	0.09	0.09	0.08	1
1956	Wet	0.07	0.03	0.01	0.00	0.01	0.01	0.03	0.03	0.06	0.10	0.10	0.08	1
1957	Above Normal	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1958	Wet	0.07	0.03	0.02	0.01	0.02	0.01	0.01	0.02	0.03	0.11	0.10	0.08	1
1959	Below Normal	0.07	0.03	0.02	0.01	0.03	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1960	Dry	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.09	0.09	0.09	0.07	1
1961	Dry	0.06	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.09	0.10	0.10	0.08	1
1962	Below Normal	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1963	Wet	0.07	0.03	0.01	0.01	0.01	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1964	Dry	0.07	0.03	0.02	0.01	0.02	0.04	0.05	0.07	0.09	0.10	0.09	0.08	1
1965	Wet	0.07	0.03	0.01	0.00	0.01	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1966	Below Normal	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1967	Wet	0.07	0.03	0.01	0.01	0.02	0.01	0.01	0.02	0.03	0.02	0.10	0.08	0
1968	Below Normal	0.07	0.02	0.02	0.01	0.03	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1969	Wet	0.07	0.03	0.01	0.00	0.01	0.01	0.01	0.02	0.03	0.02	0.10	0.08	0
1970	Wet	0.07	0.03	0.02	0.00	0.01	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1971	Wet	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1972	Below Normal	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1973	Above Normal	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.04	0.08	0.10	0.10	0.08	1
1974	Wet	0.07	0.03	0.01	0.00	0.02	0.04	0.04	0.04	0.07	0.10	0.10	0.08	1
1975	Wet	0.07	0.03	0.02	0.01	0.03	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1976	Critical	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.09	0.09	0.09	0.07	1
1977	Critical	0.06	0.03	0.01	0.01	0.02	0.03	0.04	0.05	0.07	0.07	0.07	0.06	1
1978	Above Normal	0.05	0.02	0.01	0.01	0.00	0.01	0.01	0.02	0.03	0.07	0.10	0.08	0
1979	Below Normal	0.07	0.03	0.02	0.01	0.02	0.03	0.05	0.06	0.10	0.10	0.10	0.08	1
1980	Above Normal	0.07	0.03	0.01	0.00	0.01	0.01	0.01	0.02	0.06	0.09	0.10	0.08	0
1981	Dry	0.07	0.03	0.02	0.01	0.03	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1982	Wet	0.07	0.03	0.02	0.01	0.01	0.01	0.01	0.02	0.03	0.10	0.10	0.08	0
1983	Wet	0.06	0.01	0.01	0.00	0.01	0.01	0.01	0.02	0.03	0.02	0.07	0.06	0
1984	Wet	0.03	0.01	0.01	0.00	0.02	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1985	Dry	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
1986	Wet	0.07	0.03	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.10	0.10	0.08	0
1987	Dry	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.09	0.10	0.09	0.08	1
1988	Critical	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.09	0.09	0.09	0.07	1
1989	Dry	0.06	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.09	0.10	0.09	0.08	1
1990	Critical	0.07	0.03	0.01	0.01	0.02	0.04	0.04	0.06	0.08	0.09	0.09	0.07	1
1991	Critical	0.06	0.03	0.01	0.01	0.02	0.03	0.04	0.05	0.07	0.07	0.07	0.06	1
1992	Critical	0.05	0.02	0.01	0.01	0.02	0.03	0.04	0.06	0.07	0.08	0.08	0.06	1
1993	Above Normal	0.05	0.02	0.01	0.01	0.01	0.04	0.01	0.04	0.05	0.10	0.10	0.08	1
1994	Critical	0.07	0.03	0.01	0.01	0.02	0.04	0.04	0.06	0.08	0.08	0.08	0.06	1
1995	Wet	0.05	0.02	0.01	0.01	0.01	0.01	0.01	0.02	0.03	0.02	0.10	0.08	0
1996	Wet	0.07	0.03	0.01	0.01	0.01	0.01	0.05	0.02	0.10	0.10	0.10	0.08	1
1997	Wet	0.07	0.03	0.01	0.00	0.01	0.01	0.05	0.03	0.10	0.10	0.10	0.08	1
1998	Wet	0.07	0.03	0.01	0.01	0.01	0.01	0.01	0.02	0.03	0.02	0.10	0.08	0
1999	Wet	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
2000	Above Normal	0.07	0.03	0.01	0.01	0.02	0.03	0.05	0.07	0.10	0.10	0.10	0.08	1
2001	Dry	0.07	0.03	0.02	0.01	0.02	0.04	0.05	0.07	0.09	0.09	0.09	0.07	1
2002	Dry	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.10	0.10	0.10	0.08	1
2003	Above Normal	0.07	0.03	0.01	0.01	0.02	0.04	0.05	0.07	0.09	0.10	0.10	0.08	1
Average		0	0	0	0	0	0	0	0	0	0	0	0	1
Wet		0	0	0	0	0	0	0	0	0	0	0	0	1
Above Normal		0	0	0	0	0	0	0	0	0	0	0	0	1
Below Normal		0	0	0	0	0	0	0	0	0	0	0	0	1
Dry		0	0	0	0	0	0	0	0	0	0	0	0	1
Critical		0	0	0	0	0	0	0	0	0	0	0	0	1

Difference in Energy Use (GWh) At Pumping Plant at DMC Other: CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1927	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1932	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1935	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1940	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1945	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1946	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1947	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1948	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1949	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1951	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1961	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1963	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1965	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1966	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Below Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Dry		0	0	0	0	0	0	0	0	0	0	0	0	0
Critical		0	0	0	0	0	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at DMC Other: CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1923	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1924	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1925	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1926	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1927	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1928	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1929	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1930	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1931	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1932	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1933	Critical	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%	0%
1934	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1935	Below Norma	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%	0%
1936	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1937	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1938	Wet	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	2%	0%	0%	0%	0%	-1%	-1%	-1%	-1%	-2%	-1%	-1%
1940	Above Norma	-1%	-1%	-1%	-2%	-4%	1%	0%	2%	1%	2%	2%	1%
1941	Wet	1%	1%	2%	4%	8%	-1%	0%	0%	0%	0%	0%	0%
1942	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1944	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1945	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1946	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1947	Dry	0%	0%	0%	0%	0%	0%	-1%	-1%	-1%	-1%	-1%	-1%
1948	Below Norma	0%	0%	-1%	-1%	-3%	0%	0%	0%	0%	0%	0%	0%
1949	Dry	0%	0%	0%	0%	0%	0%	0%	1%	1%	1%	1%	1%
1950	Below Norma	0%	0%	1%	1%	3%	0%	0%	0%	0%	0%	0%	0%
1951	Above Norma	0%	0%	0%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1955	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1956	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norma	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1958	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1960	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1961	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1962	Below Norma	0%	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%	0%
1963	Wet	0%	0%	1%	1%	3%	0%	0%	0%	0%	0%	0%	0%
1964	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1965	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1966	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1968	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1969	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1972	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1973	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1977	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1978	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1979	Below Norma	0%	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%
1980	Above Norma	0%	0%	0%	1%	2%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1982	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	1%	1%	1%	1%	1%	0%
1986	Wet	0%	0%	1%	1%	4%	-1%	-1%	-1%	-1%	0%	0%	0%
1987	Dry	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%	0%
1988	Critical	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%	0%
1989	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1990	Critical	0%	0%	0%	1%	1%	0%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1992	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1993	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1995	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1998	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2001	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2002	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2003	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Average		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Wet		0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%
Above Norma		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Below Norma		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Dry		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Critical		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Energy Use (GWh) At Pumping Plant at Folsom: CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	1.30	0.94	0.91	0.82	0.79	0.70	1.21	0.82	0.77	0.82	0.96	1.09	11
1923	Below Normal	0.83	0.75	0.79	0.79	0.79	1.16	0.94	0.89	0.77	1.10	1.44	1.12	11
1924	Critical	0.96	0.86	0.91	1.00	1.02	1.03	1.79	1.80	2.07	2.21	1.99	1.48	17
1925	Dry	0.75	0.73	0.72	0.72	0.62	0.53	1.37	0.75	0.90	1.44	1.46	1.13	11
1926	Dry	1.00	0.72	0.78	0.86	0.83	0.99	0.67	1.05	1.76	2.61	2.67	1.97	16
1927	Wet	1.06	0.91	0.77	0.68	0.66	0.69	1.11	0.89	0.74	1.08	1.46	1.28	11
1928	Above Normal	0.85	0.75	0.79	0.80	0.81	0.70	1.15	1.01	1.17	1.78	2.18	1.76	14
1929	Critical	1.42	1.04	1.10	1.14	1.11	0.91	1.57	1.57	1.57	2.08	2.17	1.73	17
1930	Dry	1.38	1.15	0.92	0.74	0.66	0.59	0.94	1.03	1.28	1.64	1.65	1.22	13
1931	Critical	0.98	0.75	0.83	0.88	0.90	0.83	1.90	1.66	1.91	2.37	2.18	1.63	17
1932	Dry	1.11	0.82	0.76	0.65	0.57	0.58	1.16	0.80	0.69	0.79	0.91	0.95	10
1933	Critical	1.04	0.96	1.01	1.05	1.04	0.93	2.08	1.91	2.11	2.39	2.34	1.73	19
1934	Critical	1.11	1.09	0.88	0.74	0.63	0.73	1.46	1.62	2.12	2.51	2.32	1.72	17
1935	Below Normal	1.25	0.86	0.83	0.79	0.71	0.57	0.59	0.95	0.83	0.98	1.13	1.08	11
1936	Below Normal	0.82	0.70	0.79	0.79	0.76	0.74	1.15	0.78	0.69	0.89	1.03	1.01	10
1937	Below Normal	0.95	0.88	0.85	0.93	0.86	0.65	1.03	0.84	0.71	0.89	1.02	1.02	11
1938	Wet	0.94	0.71	0.75	0.75	0.75	0.70	1.08	0.86	0.78	0.83	0.96	1.06	10
1939	Dry	0.88	0.79	0.83	0.91	0.91	0.75	1.42	1.31	1.94	2.52	2.63	1.83	17
1940	Above Normal	1.28	1.19	1.01	0.86	0.64	0.62	1.25	0.89	0.90	1.42	1.97	1.59	14
1941	Wet	1.20	1.06	0.98	0.81	0.79	0.70	0.70	0.79	0.85	0.97	1.11	1.17	11
1942	Wet	0.89	0.75	0.79	0.79	0.81	0.73	0.68	0.78	0.83	0.89	1.03	1.15	10
1943	Wet	1.07	0.76	0.79	0.80	0.85	0.78	0.99	0.96	0.83	1.06	1.35	1.22	11
1944	Dry	1.05	0.80	0.88	0.94	0.91	0.80	1.15	1.17	1.49	1.99	2.10	1.66	15
1945	Below Normal	1.06	0.86	0.78	0.72	0.68	0.60	1.31	0.89	0.83	1.30	1.59	1.30	12
1946	Below Normal	0.67	0.62	0.79	0.79	0.84	0.75	1.34	0.82	0.88	1.29	1.68	1.44	12
1947	Dry	1.11	0.81	0.82	0.85	0.84	0.67	1.18	1.35	1.65	2.30	2.45	1.88	16
1948	Below Normal	0.98	0.95	0.98	0.97	0.90	0.78	0.85	0.75	0.81	1.05	1.29	1.24	12
1949	Dry	1.03	0.76	0.82	0.87	0.96	0.77	1.25	0.85	0.99	1.55	1.94	1.58	13
1950	Below Normal	1.29	0.95	1.03	0.93	0.79	0.67	1.08	0.84	0.75	0.80	0.93	1.00	11
1951	Above Normal	0.66	0.87	1.10	1.15	1.12	1.12	1.48	0.78	0.88	1.55	2.11	1.72	15
1952	Wet	1.03	0.91	0.83	0.79	0.79	0.70	1.11	0.89	0.73	0.81	0.94	1.05	11
1953	Wet	1.04	0.74	0.79	0.79	0.80	0.97	1.15	0.89	0.74	0.87	0.97	1.08	11
1954	Above Normal	0.99	0.75	0.83	0.85	0.82	0.71	0.86	0.98	1.25	2.02	2.39	1.89	14
1955	Dry	1.54	1.03	1.02	0.93	0.87	1.06	1.56	1.56	1.73	1.98	1.93	1.31	17
1956	Wet	1.07	0.84	0.81	0.80	0.87	1.10	1.39	0.81	0.76	0.81	0.94	1.00	11
1957	Above Normal	0.79	0.87	0.83	0.90	0.86	0.71	1.28	0.87	0.97	1.58	2.13	1.57	13
1958	Wet	1.07	1.10	0.99	0.91	0.83	0.72	0.68	0.86	0.79	0.86	1.00	1.12	11
1959	Below Normal	1.07	0.90	0.87	0.87	0.80	0.95	1.41	1.52	2.04	2.94	2.85	1.64	18
1960	Dry	1.60	1.24	1.05	1.03	0.86	0.54	1.22	1.24	1.58	2.01	2.13	1.67	16
1961	Dry	1.38	0.95	0.97	0.99	0.98	0.90	1.76	1.97	2.29	2.89	2.80	2.02	20
1962	Below Normal	1.55	1.01	1.00	0.98	0.82	0.55	1.14	0.96	1.00	1.47	1.99	1.59	14
1963	Wet	0.62	0.58	0.69	0.72	0.79	0.74	0.85	0.86	0.86	1.16	1.51	1.34	11
1964	Dry	0.86	0.76	0.79	0.79	0.81	1.08	1.76	1.41	1.49	1.91	2.04	1.64	15
1965	Wet	1.04	0.93	0.92	0.93	0.91	1.06	1.06	0.93	0.80	1.05	1.15	1.09	12
1966	Below Normal	1.04	0.75	0.84	0.88	0.88	1.03	1.43	1.27	1.67	2.55	2.76	2.04	17
1967	Wet	1.64	1.07	0.69	0.73	0.71	0.65	0.70	0.94	0.75	0.88	1.01	1.13	11
1968	Below Normal	1.03	0.74	0.83	0.87	0.85	0.75	1.32	1.39	1.66	2.57	2.73	1.96	17
1969	Wet	1.36	1.00	0.94	0.82	0.76	0.68	1.20	0.90	0.75	0.81	0.94	1.07	11
1970	Wet	0.89	0.73	0.79	0.93	1.08	0.90	1.55	1.38	1.45	2.04	2.34	1.82	16
1971	Wet	1.22	0.92	0.76	0.68	0.72	0.76	1.43	0.81	0.74	0.89	1.03	1.05	11
1972	Below Normal	1.00	0.75	0.79	0.80	0.80	0.95	1.21	1.04	1.09	1.68	2.04	1.37	14
1973	Above Normal	0.90	0.82	0.74	0.70	0.71	0.63	1.31	0.94	0.93	1.64	1.99	1.39	13
1974	Wet	0.85	0.69	0.79	0.87	0.95	0.82	1.15	0.93	0.77	0.74	0.98	1.11	11
1975	Wet	0.91	0.75	0.81	0.85	0.83	0.70	1.23	1.02	0.78	0.84	0.97	1.10	11
1976	Critical	0.64	0.74	0.82	0.90	1.01	1.51	1.60	1.64	1.76	1.93	1.72	1.29	16
1977	Critical	1.08	0.84	0.82	0.83	0.85	1.26	2.11	1.73	2.28	2.68	2.67	2.21	19
1978	Above Normal	1.37	1.17	0.81	0.67	0.48	0.43	0.84	0.91	0.78	0.99	1.28	1.17	11
1979	Below Normal	1.11	0.78	0.84	0.83	0.79	0.69	1.17	0.96	1.03	1.64	1.71	1.28	13
1980	Above Normal	0.71	0.65	0.79	0.90	1.03	0.88	1.16	0.88	0.79	0.77	0.94	1.08	11
1981	Dry	1.04	0.87	0.83	0.86	0.86	0.76	1.23	1.44	2.00	2.94	2.96	2.04	18
1982	Wet	1.09	0.88	0.82	0.90	0.93	0.82	0.74	1.01	0.86	0.93	1.07	0.89	11
1983	Wet	0.60	0.66	0.79	0.81	0.83	0.76	0.74	0.91	0.81	0.88	1.00	1.07	10
1984	Wet	0.90	0.79	1.10	1.14	1.09	1.18	1.33	0.86	0.77	1.25	1.48	1.14	13
1985	Dry	0.71	0.65	0.69	0.73	0.75	0.64	1.23	1.22	1.68	2.42	2.53	1.80	15
1986	Wet	1.32	1.00	0.94	0.81	0.85	0.78	1.22	0.87	0.74	0.81	0.95	0.93	11
1987	Dry	1.00	0.83	0.86	0.94	0.89	0.69	1.09	1.24	1.68	2.18	2.25	1.71	15
1988	Critical	1.23	0.92	0.90	0.80	0.73	1.06	1.28	1.55	2.00	2.40	2.26	1.68	17
1989	Dry	1.29	0.82	0.76	0.74	0.71	0.54	1.23	1.13	1.51	2.47	2.70	1.48	15
1990	Critical	1.10	1.00	1.06	1.07	1.03	0.97	1.54	1.08	1.75	2.11	2.11	1.62	16
1991	Critical	1.28	0.95	0.92	0.92	0.93	0.92	1.77	1.72	1.63	1.89	2.06	1.75	17
1992	Critical	1.18	1.09	0.98	0.97	0.88	0.70	1.31	1.99	2.33	2.70	2.46	1.82	18
1993	Above Normal	1.10	1.07	0.89	0.76	0.57	0.52	1.27	0.82	0.70	0.94	1.15	1.16	11
1994	Critical	0.97	0.77	0.90	1.02	1.03	1.24	1.69	1.46	1.89	2.34	2.35	1.77	17
1995	Wet	1.29	0.91	0.86	0.71	0.63	0.58	1.08	0.71	0.73	0.86	0.99	1.12	10
1996	Wet	1.04	0.87	0.79	0.80	0.89	0.83	1.09	0.65	0.83	1.02	1.19	1.17	11
1997	Wet	0.87	0.75	0.86	1.09	1.19	1.53	1.54	1.03	1.04	1.64	1.84	1.40	15
1998	Wet	0.99	0.79	0.79	0.73	0.70	0.64	1.03	0.54	0.85	0.91	1.05	1.12	10
1999	Wet	0.95	0.71	0.79	0.80	0.81	0.72	1.26	0.88	0.74	0.94	1.09	1.06	11
2000	Above Normal	0.99	0.74	0.87	0.88	0.80	0.75	1.30	0.90	1.11	2.00	2.77	2.21	15
2001	Dry	1.17	1.32	1.22	1.20	1.16	1.01	1.46	1.71	2.09	2.47	2.38	1.69	19
2002	Dry	1.31	0.93	0.88	0.72	0.64	0.63	1.37	0.88	1.17	1.85	2.22	1.76	14
2003	Above Normal	1.46	1.00	0.93	0.76	0.73	0.66	0.80	0.85	0.90	1.48	1.76	1.41	13
Average		1	1	1	1	1	1	1	1	1	2	2	1	14
Wet		1	1	1	1	1	1	1	1	1	1	1	1	11
Above Normal		1	1	1	1	1	1	1	1	1	1	2	2	13
Below Normal		1	1	1	1	1	1	1	1	1	2	2	1	13
Dry		1	1	1	1	1	1	1	1	2	2	2	2	15
Critical		1	1	1	1	1	1	2	2	2	2	2	2	17

Shasta Lake Water Resource Investigation
Socioeconomic Appendix - Power and Energy Technical Report

Energy Use (GWh) At Pumping Plant at Folsom: CP4B_2020

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	1.30	0.94	0.91	0.82	0.79	0.70	1.21	0.82	0.77	0.82	0.96	1.09	11
1923	Below Normal	0.83	0.75	0.79	0.79	0.79	1.16	0.94	0.89	0.77	1.10	1.44	1.12	11
1924	Critical	0.96	0.86	0.91	1.00	1.02	1.03	1.79	1.80	2.07	2.21	1.99	1.48	17
1925	Dry	0.75	0.73	0.72	0.72	0.62	0.53	1.37	0.75	0.90	1.43	1.46	1.14	11
1926	Dry	1.00	0.72	0.78	0.86	0.83	1.01	0.68	1.04	1.75	2.60	2.66	2.01	16
1927	Wet	1.09	0.94	0.79	0.68	0.66	0.69	1.11	0.89	0.74	1.09	1.49	1.30	11
1928	Above Normal	0.85	0.75	0.79	0.79	0.79	0.70	1.15	1.01	1.17	1.77	2.17	1.75	14
1929	Critical	1.41	1.04	1.10	1.15	1.12	0.92	1.60	1.61	1.60	2.09	2.17	1.72	18
1930	Dry	1.38	1.14	0.91	0.74	0.65	0.59	0.94	1.01	1.24	1.66	1.72	1.22	13
1931	Critical	0.96	0.74	0.82	0.89	0.93	0.87	1.98	1.73	1.98	2.41	2.20	1.63	17
1932	Dry	1.12	0.83	0.77	0.66	0.58	0.58	1.15	0.80	0.69	0.78	0.91	0.95	10
1933	Critical	1.03	0.95	1.01	1.04	1.04	0.93	2.08	1.91	2.11	2.40	2.35	1.75	19
1934	Critical	1.12	1.10	0.89	0.76	0.63	0.73	1.47	1.66	2.16	2.54	2.33	1.73	17
1935	Below Normal	1.27	0.89	0.87	0.83	0.76	0.62	0.62	0.95	0.83	0.98	1.13	1.08	11
1936	Below Normal	0.82	0.70	0.79	0.79	0.76	0.74	1.15	0.78	0.89	0.89	1.03	1.01	10
1937	Below Normal	0.95	0.88	0.85	0.94	0.87	0.65	1.03	0.84	0.71	0.90	1.02	1.02	11
1938	Wet	0.94	0.71	0.75	0.75	0.75	0.70	1.08	0.86	0.78	0.83	0.96	1.06	10
1939	Dry	0.88	0.79	0.83	0.91	0.97	0.89	1.65	1.39	2.02	2.47	2.48	1.73	17
1940	Above Normal	1.22	1.15	0.98	0.82	0.64	0.62	1.25	0.89	0.90	1.42	1.97	1.61	13
1941	Wet	1.29	1.14	0.66	0.84	0.79	0.70	0.70	0.79	0.85	0.97	1.11	1.17	11
1942	Wet	0.89	0.75	0.79	0.79	0.81	0.73	0.68	0.78	0.83	0.89	1.03	1.15	10
1943	Wet	1.07	0.76	0.79	0.80	0.85	0.78	0.99	0.96	0.83	1.06	1.35	1.22	11
1944	Dry	1.05	0.80	0.88	0.94	0.92	0.81	1.17	1.20	1.51	1.99	2.10	1.66	15
1945	Below Normal	1.06	0.86	0.78	0.72	0.68	0.60	1.31	0.89	0.83	1.28	1.57	1.30	12
1946	Below Normal	0.67	0.73	0.79	0.79	0.84	0.75	1.34	0.82	0.89	1.50	1.92	1.36	12
1947	Dry	0.99	0.76	0.79	0.82	0.82	0.67	1.18	1.35	1.69	2.36	2.47	1.89	16
1948	Below Normal	0.99	0.96	0.99	0.97	0.91	0.78	0.86	0.75	0.81	1.05	1.29	1.24	12
1949	Dry	1.03	0.76	0.81	0.85	0.93	0.75	1.25	0.85	0.99	1.57	2.03	1.72	14
1950	Below Normal	1.43	1.03	1.11	0.97	0.79	0.67	1.08	0.84	0.75	0.80	0.93	1.00	11
1951	Above Normal	0.66	0.87	1.10	1.15	1.12	1.12	1.48	0.78	0.86	1.46	2.02	1.56	14
1952	Wet	0.89	0.80	0.79	0.79	0.79	0.70	1.11	0.89	0.73	0.81	0.94	1.05	10
1953	Wet	1.04	0.74	0.79	0.79	0.80	0.97	1.15	0.89	0.74	0.87	0.97	1.08	11
1954	Above Normal	0.99	0.75	0.83	0.85	0.82	0.71	0.86	0.98	1.25	2.02	2.39	1.88	14
1955	Dry	1.53	1.03	1.02	0.93	0.84	0.98	1.43	1.44	1.61	1.91	1.94	1.35	16
1956	Wet	1.09	0.85	0.81	0.80	0.87	1.10	1.39	0.81	0.76	0.81	0.94	1.00	11
1957	Above Normal	0.79	0.87	0.83	0.90	0.86	0.71	1.28	0.87	0.97	1.58	2.13	1.56	13
1958	Wet	1.06	1.09	0.98	0.90	0.83	0.72	0.68	0.86	0.79	0.86	1.00	1.12	11
1959	Below Normal	1.07	0.90	0.87	0.87	0.80	0.95	1.41	1.53	2.06	2.95	2.86	1.64	18
1960	Dry	1.60	1.25	1.05	1.03	0.87	0.54	1.22	1.24	1.58	2.02	2.16	1.69	16
1961	Dry	1.40	0.96	0.98	1.00	0.99	0.91	1.80	2.02	2.35	2.92	2.80	2.02	20
1962	Below Normal	1.55	1.02	1.00	0.98	0.82	0.55	1.14	0.96	1.00	1.46	2.01	1.64	14
1963	Wet	0.63	0.58	0.69	0.72	0.79	0.75	0.86	0.86	0.86	1.15	1.49	1.33	11
1964	Dry	0.85	0.75	0.79	0.79	0.81	1.08	1.76	1.41	1.46	1.87	2.05	1.65	15
1965	Wet	1.05	0.94	0.93	0.93	0.91	1.06	1.06	0.93	0.80	1.05	1.15	1.09	12
1966	Below Normal	1.04	0.75	0.84	0.88	0.88	1.03	1.43	1.27	1.67	2.55	2.76	2.04	17
1967	Wet	1.64	1.07	0.88	0.69	0.71	0.65	0.70	0.94	0.75	0.88	1.01	1.13	11
1968	Below Normal	1.03	0.74	0.83	0.87	0.85	0.75	1.32	1.39	1.66	2.57	2.73	1.96	17
1969	Wet	1.36	1.00	0.93	0.81	0.76	0.68	1.20	0.90	0.75	0.81	0.94	1.07	11
1970	Wet	0.89	0.73	0.79	0.93	1.08	0.90	1.55	1.38	1.45	2.04	2.33	1.81	16
1971	Wet	1.22	0.92	0.76	0.68	0.72	0.76	1.43	0.81	0.74	0.89	1.03	1.05	11
1972	Below Normal	1.00	0.75	0.79	0.80	0.80	0.95	1.21	1.04	1.10	1.70	2.06	1.37	14
1973	Above Normal	0.90	0.82	0.74	0.70	0.71	0.63	1.31	0.94	0.93	1.64	1.99	1.39	13
1974	Wet	0.85	0.69	0.79	0.87	0.95	0.82	1.15	0.93	0.77	0.74	0.98	1.11	11
1975	Wet	0.91	0.75	0.81	0.85	0.83	0.70	1.23	1.02	0.78	0.84	0.97	1.10	11
1976	Critical	0.64	0.74	0.82	0.90	1.01	1.51	1.60	1.64	1.76	1.93	1.72	1.29	16
1977	Critical	1.08	0.84	0.82	0.83	0.85	1.26	2.11	1.73	2.28	2.68	2.67	2.21	19
1978	Above Normal	1.44	1.17	0.81	0.67	0.48	0.43	0.84	0.91	0.78	0.99	1.28	1.17	11
1979	Below Normal	1.11	0.78	0.84	0.84	0.79	0.68	1.18	0.96	1.04	1.71	1.77	1.29	13
1980	Above Normal	0.71	0.74	0.79	0.90	1.03	0.88	1.16	0.88	0.79	0.77	0.94	1.08	11
1981	Dry	1.04	0.87	0.83	0.86	0.86	0.76	1.23	1.44	2.00	2.94	2.96	2.04	18
1982	Wet	1.09	0.88	0.82	0.90	0.93	0.82	0.74	1.01	0.86	0.93	1.07	0.89	11
1983	Wet	0.60	0.66	0.79	0.81	0.83	0.76	0.74	0.91	0.81	0.88	1.00	1.07	10
1984	Wet	0.90	0.79	1.10	1.14	1.09	1.18	1.33	0.86	0.77	1.25	1.48	1.14	13
1985	Dry	0.71	0.65	0.69	0.73	0.75	0.65	1.27	1.25	1.71	2.44	2.54	1.81	15
1986	Wet	1.33	1.01	0.95	0.81	0.85	0.78	1.22	0.86	0.74	0.82	0.95	0.93	11
1987	Dry	1.00	0.83	0.85	0.93	0.89	0.69	1.09	1.24	1.67	2.17	2.25	1.71	15
1988	Critical	1.23	0.92	0.91	0.80	0.73	1.06	1.28	1.55	2.01	2.40	2.26	1.68	17
1989	Dry	1.29	0.82	0.79	0.79	0.79	0.61	1.23	1.13	1.53	2.49	2.71	1.51	16
1990	Critical	1.14	1.02	1.07	1.09	1.04	0.96	1.54	1.08	1.75	2.10	2.11	1.62	17
1991	Critical	1.28	0.95	0.92	0.92	0.93	0.92	1.77	1.72	1.63	1.89	2.06	1.75	17
1992	Critical	1.18	1.09	0.98	0.97	0.89	0.70	1.31	1.97	2.29	2.66	2.43	1.80	18
1993	Above Normal	1.09	1.05	0.88	0.74	0.57	0.52	1.27	0.82	0.70	0.94	1.15	1.16	11
1994	Critical	0.97	0.77	0.90	1.02	1.03	1.24	1.69	1.46	1.89	2.34	2.35	1.72	17
1995	Wet	1.26	0.91	0.85	0.70	0.63	0.58	1.08	0.71	0.73	0.86	0.99	1.12	10
1996	Wet	1.04	0.87	0.79	0.80	0.89	0.83	1.09	0.65	0.83	1.02	1.19	1.17	11
1997	Wet	0.87	0.75	0.86	1.09	1.19	1.53	1.54	1.03	1.04	1.64	1.84	1.39	15
1998	Wet	0.98	0.79	0.80	0.74	0.70	0.64	1.03	0.54	0.85	0.91	1.05	1.12	10
1999	Wet	0.95	0.71	0.79	0.80	0.81	0.72	1.26	0.88	0.74	0.94	1.09	1.06	11
2000	Above Normal	0.99	0.74	0.87	0.88	0.80	0.75	1.30	0.90	1.09	1.93	2.69	2.18	15
2001	Dry	1.16	1.32	1.22	1.19	1.16	1.00	1.45	1.70	2.07	2.46	2.37	1.69	19
2002	Dry	1.30	0.93	0.88	0.72	0.64	0.63	1.36	0.87	1.17	1.85	2.23	1.76	14
2003	Above Normal	1.46	1.00	0.93	0.76	0.73	0.66	0.80	0.85	0.90	1.48	1.76	1.41	13
Average		1	1	1	1	1	1	1	1	1	2	2	1	14
Wet		1	1	1	1	1	1	1	1	1	1	1	1	11
Above Normal		1	1	1	1	1	1	1	1	1	1	2	1	13
Below Normal		1	1	1	1	1	1	1	1	1	2	2	1	13
Dry		1	1	1	1	1	1	1	1	2	2	2	2	15
Critical		1	1	1	1	1	1	2	2	2	2	2	2	17

Difference in Energy Use (GWh) At Pumping Plant at Folsom: CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1927	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1932	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1935	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1940	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1945	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1946	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1947	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1948	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1949	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1951	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1961	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1963	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1965	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1966	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Below Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Dry		0	0	0	0	0	0	0	0	0	0	0	0	0
Critical		0	0	0	0	0	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at Folsom: CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1923	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1924	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1925	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	0%	0%
1926	Dry	0%	0%	0%	1%	0%	2%	2%	0%	0%	0%	0%	2%
1927	Wet	3%	3%	3%	1%	0%	0%	0%	0%	0%	0%	2%	1%
1928	Above Norma	0%	0%	0%	-2%	-2%	0%	0%	0%	0%	0%	0%	0%
1929	Critical	0%	0%	1%	1%	1%	1%	2%	3%	2%	0%	0%	0%
1930	Dry	0%	0%	0%	0%	0%	0%	0%	-2%	-3%	1%	4%	0%
1931	Critical	-2%	-1%	-1%	2%	3%	4%	4%	4%	4%	2%	1%	0%
1932	Dry	1%	1%	1%	2%	1%	0%	0%	0%	0%	0%	0%	0%
1933	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	1%
1934	Critical	1%	1%	1%	2%	1%	-1%	1%	2%	2%	1%	1%	1%
1935	Below Norma	2%	3%	4%	5%	7%	9%	5%	0%	0%	0%	0%	0%
1936	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1937	Below Norma	0%	0%	0%	1%	1%	0%	0%	0%	0%	0%	0%	0%
1938	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	7%	18%	16%	6%	4%	-2%	-5%	-5%
1940	Above Norma	-5%	-3%	-4%	-4%	0%	0%	0%	0%	0%	0%	0%	1%
1941	Wet	8%	7%	-33%	4%	0%	0%	0%	0%	0%	0%	0%	0%
1942	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1944	Dry	0%	0%	0%	0%	1%	1%	2%	2%	1%	0%	0%	0%
1945	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	-1%	0%
1946	Below Norma	0%	18%	0%	0%	0%	0%	0%	0%	0%	17%	14%	-6%
1947	Dry	-11%	-7%	-4%	-3%	-3%	-1%	0%	0%	2%	2%	1%	0%
1948	Below Norma	0%	0%	0%	0%	1%	0%	1%	0%	0%	0%	0%	0%
1949	Dry	0%	0%	-1%	-3%	-3%	-2%	0%	0%	0%	1%	5%	9%
1950	Below Norma	11%	9%	7%	4%	0%	0%	0%	0%	0%	0%	0%	0%
1951	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	-3%	-6%	-5%	-9%
1952	Wet	-13%	-12%	-5%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1955	Dry	0%	0%	0%	1%	-3%	-7%	-8%	-8%	-7%	-4%	1%	3%
1956	Wet	2%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%
1958	Wet	-1%	-1%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	0%	0%	0%	0%	0%	1%	1%	0%	0%	0%
1960	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	1%
1961	Dry	1%	1%	1%	1%	1%	2%	3%	3%	1%	0%	0%	0%
1962	Below Norma	0%	0%	0%	0%	1%	1%	0%	0%	0%	0%	1%	3%
1963	Wet	2%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	-1%	-1%
1964	Dry	-1%	-1%	0%	0%	0%	0%	0%	0%	-2%	-2%	0%	1%
1965	Wet	0%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1966	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	28%	-5%	0%	0%	0%	0%	0%	0%	0%	0%
1968	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1969	Wet	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1972	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	1%	0%
1973	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1977	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1978	Above Norma	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1979	Below Norma	0%	0%	1%	0%	0%	-1%	1%	1%	2%	4%	4%	1%
1980	Above Norma	0%	13%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1982	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	1%	3%	3%	2%	1%	0%	1%
1986	Wet	1%	1%	1%	1%	0%	-1%	0%	0%	0%	0%	0%	0%
1987	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	0%	0%
1988	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1989	Dry	0%	0%	4%	7%	11%	12%	0%	0%	1%	1%	0%	2%
1990	Critical	4%	2%	1%	2%	1%	0%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1992	Critical	0%	0%	0%	0%	0%	0%	0%	-1%	-2%	-1%	-1%	-1%
1993	Above Norma	-1%	-2%	-1%	-2%	0%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	-2%	0%	0%	0%	0%	0%	0%	0%	-3%
1995	Wet	-2%	-1%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1998	Wet	0%	0%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norma	0%	0%	0%	0%	0%	0%	0%	-2%	-4%	-4%	-3%	-1%
2001	Dry	-1%	-1%	0%	0%	-1%	-1%	-1%	-1%	-1%	0%	0%	0%
2002	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2003	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Average		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Wet		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Above Norma		0%	1%	0%	-1%	0%	0%	0%	0%	0%	-1%	-1%	-1%
Below Norma		1%	2%	1%	1%	1%	1%	0%	0%	0%	2%	1%	0%
Dry		-1%	0%	0%	0%	1%	1%	1%	0%	0%	0%	0%	1%
Critical		0%	0%	0%	1%	1%	0%	1%	1%	0%	0%	0%	0%

Difference in Energy Use (GWh) At Pumping Plant at Misc: CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1927	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1932	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1935	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1940	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1945	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1946	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1947	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1948	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1949	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1951	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1961	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1963	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1965	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1966	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Below Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Dry		0	0	0	0	0	0	0	0	0	0	0	0	0
Critical		0	0	0	0	0	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at Misc: CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1923	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1924	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1925	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1926	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1927	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1928	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1929	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1930	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1931	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1932	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1933	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1934	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1935	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1936	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1937	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1938	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1940	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1942	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1944	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1945	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1946	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1947	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1948	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1949	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1950	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1951	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1955	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1956	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1958	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1960	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1961	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1962	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1963	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1964	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1965	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1966	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1968	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1969	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1972	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1973	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1977	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1978	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1979	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1980	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1982	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1986	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1987	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1988	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1989	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1990	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1992	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1993	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1995	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1998	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2001	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2002	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2003	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Average		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Wet		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Above Norma		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Below Norma		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Dry		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Critical		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Energy Use (GWh) At Pumping Plant at O'Neill: CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	7.24	11.05	13.45	13.71	11.56	5.49	5.04	2.66	0.67	1.01	1.98	5.26	79
1923	Below Normal	7.33	11.09	13.49	14.66	6.70	4.35	1.99	0.00	0.00	1.52	1.95	5.45	69
1924	Critical	7.38	11.12	11.05	13.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	43
1925	Dry	2.60	1.72	14.03	14.30	12.17	4.04	2.98	0.00	0.00	0.00	0.00	5.83	58
1926	Dry	5.59	10.22	12.74	13.91	11.25	2.02	2.29	0.00	0.00	0.00	0.00	0.00	58
1927	Wet	1.48	11.25	13.64	13.99	11.54	5.15	1.99	0.00	0.00	0.00	2.47	5.48	67
1928	Above Normal	7.39	11.12	13.52	13.82	11.43	5.51	3.40	0.00	0.00	0.00	2.62	5.55	74
1929	Critical	7.40	11.13	13.53	13.83	10.63	0.00	0.00	0.00	0.00	0.00	0.00	2.20	59
1930	Dry	3.93	7.06	13.66	14.03	9.99	2.30	0.00	0.00	0.00	0.00	0.00	3.16	54
1931	Critical	3.76	8.14	10.02	13.96	1.26	2.67	0.00	0.00	0.00	0.00	0.00	4.03	44
1932	Dry	5.42	6.52	14.03	14.29	1.23	0.00	0.00	0.00	0.00	0.00	0.17	8.05	50
1933	Critical	7.82	9.65	5.97	1.32	1.23	0.00	0.00	0.00	0.00	0.00	0.00	2.94	29
1934	Critical	5.71	3.98	11.47	6.48	0.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28
1935	Below Normal	0.00	9.58	11.03	14.27	4.20	5.20	1.49	0.00	0.00	0.00	0.00	5.92	52
1936	Below Normal	4.75	10.43	12.00	13.95	4.61	3.26	3.74	0.34	0.00	0.00	0.00	5.79	59
1937	Below Normal	6.84	11.02	13.57	13.73	3.42	1.86	2.95	4.36	0.00	0.00	0.00	5.91	64
1938	Wet	6.01	11.21	14.53	5.93	2.65	5.63	6.28	9.37	4.49	4.27	1.25	4.93	77
1939	Dry	7.41	11.05	13.45	13.71	6.18	3.67	0.00	0.00	0.00	0.00	0.00	3.68	59
1940	Above Normal	5.20	7.53	4.80	13.89	11.68	10.99	2.21	0.00	0.00	0.00	2.86	5.65	65
1941	Wet	7.43	11.14	14.13	14.82	12.56	4.36	4.67	3.96	1.11	0.92	1.90	5.22	82
1942	Wet	7.32	11.09	14.08	14.77	5.77	4.67	1.82	0.00	1.40	1.21	2.14	5.33	70
1943	Wet	7.35	11.10	13.50	14.79	9.26	5.00	5.28	0.76	0.00	0.52	1.60	5.09	74
1944	Dry	7.28	11.07	13.47	13.74	11.18	10.27	0.00	0.00	0.00	0.00	0.00	5.55	73
1945	Below Normal	5.68	11.19	13.58	13.91	10.10	3.56	1.58	0.00	0.00	1.45	2.33	5.42	69
1946	Below Normal	7.37	11.11	13.56	14.65	3.98	8.73	0.59	0.00	0.00	0.00	2.81	3.36	66
1947	Dry	7.43	11.14	13.54	13.95	11.03	5.18	0.00	0.00	0.00	0.00	0.00	5.60	68
1948	Below Normal	3.58	11.17	8.83	12.67	11.69	6.18	2.61	0.00	0.00	1.83	1.51	5.56	66
1949	Dry	7.41	10.03	13.53	13.83	10.98	6.16	0.00	0.00	0.00	1.83	1.22	5.56	71
1950	Below Normal	7.31	11.13	13.53	13.83	10.98	4.43	3.13	0.00	0.00	0.00	3.85	5.88	74
1951	Above Normal	2.75	11.69	14.53	5.59	2.80	4.35	1.84	0.00	0.00	0.00	2.31	5.41	51
1952	Wet	7.37	11.11	13.51	13.80	13.46	11.40	5.99	8.39	4.49	1.79	1.25	4.93	97
1953	Wet	7.24	11.05	13.45	13.71	10.59	0.05	2.23	0.00	0.00	1.69	2.53	5.51	68
1954	Above Normal	7.39	11.12	13.52	13.82	10.61	4.33	1.99	0.00	0.00	0.00	2.47	5.48	71
1955	Dry	7.39	11.12	13.52	13.82	10.93	6.85	0.00	0.00	0.00	0.00	0.00	2.42	66
1956	Wet	5.13	11.20	14.53	14.87	11.54	4.70	3.56	1.54	1.51	1.51	2.38	5.44	78
1957	Above Normal	7.43	11.12	13.51	10.82	4.85	4.35	2.49	0.00	0.00	0.00	2.27	5.39	62
1958	Wet	7.36	11.11	13.51	13.80	11.48	8.02	5.25	7.11	4.49	0.01	1.25	4.93	88
1959	Below Normal	7.24	11.05	13.45	13.71	10.59	6.66	0.00	0.00	0.00	1.71	1.75	3.33	69
1960	Dry	2.58	8.17	6.10	12.46	11.16	10.55	0.00	0.00	0.00	0.00	0.00	5.35	56
1961	Dry	2.98	11.23	10.82	13.97	11.48	3.11	0.00	0.00	0.00	1.74	2.88	2.57	61
1962	Below Normal	0.00	6.65	13.54	13.85	11.05	10.20	0.60	0.00	0.00	2.07	2.84	5.64	66
1963	Wet	7.43	11.14	13.54	13.85	12.27	4.27	3.40	0.00	0.00	0.00	2.21	5.36	73
1964	Dry	7.36	11.11	13.51	13.79	8.48	6.31	0.00	0.00	0.00	0.00	0.00	5.85	66
1965	Wet	4.23	11.19	13.59	14.86	9.49	3.46	2.25	0.00	0.00	1.55	2.42	5.45	68
1966	Below Normal	7.38	11.12	13.65	13.99	10.27	4.34	0.73	0.00	0.00	0.84	2.46	5.48	70
1967	Wet	7.39	9.46	13.52	13.82	11.74	12.26	6.13	7.06	4.49	9.78	1.25	4.93	102
1968	Below Normal	7.24	12.82	13.45	11.46	6.40	4.35	0.31	0.00	0.00	1.28	2.49	3.50	63
1969	Wet	5.87	11.12	13.52	14.80	12.99	9.09	6.48	9.40	4.49	9.78	1.25	4.93	104
1970	Wet	7.24	11.05	13.45	10.95	6.40	3.91	2.48	0.00	0.00	0.00	2.56	5.52	64
1971	Wet	7.40	11.13	13.52	13.82	9.42	10.16	2.05	0.00	0.00	0.00	2.58	5.53	76
1972	Below Normal	7.40	11.13	13.53	13.82	11.46	4.37	0.00	0.00	0.00	0.00	2.65	5.56	70
1973	Above Normal	7.41	11.13	13.53	13.83	10.98	10.13	1.54	0.00	0.00	1.55	2.41	5.45	78
1974	Wet	7.38	11.12	13.52	14.80	11.07	4.69	4.31	0.00	0.00	0.94	1.92	5.23	75
1975	Wet	7.32	11.09	13.49	13.77	10.78	8.09	1.99	0.00	0.00	1.61	2.46	5.48	76
1976	Critical	7.39	11.12	13.52	13.81	10.23	1.99	0.00	0.00	0.00	0.00	0.00	0.00	58
1977	Critical	2.65	8.90	2.13	10.02	1.22	0.00	0.00	0.00	0.00	3.61	0.00	1.38	30
1978	Above Normal	4.81	4.61	9.16	14.29	13.54	11.45	5.66	6.30	3.57	3.78	1.25	4.93	83
1979	Below Normal	7.24	11.05	13.45	14.20	11.22	3.87	1.01	0.64	0.00	1.65	2.49	5.49	72
1980	Above Normal	7.39	11.12	13.52	14.80	8.33	5.17	5.45	0.85	0.19	2.91	1.73	5.15	77
1981	Dry	7.30	11.08	13.48	13.75	10.73	4.83	0.40	0.00	0.00	1.37	2.27	5.39	71
1982	Wet	2.75	11.11	13.51	13.80	12.96	12.32	5.78	8.68	4.34	1.14	1.25	4.93	93
1983	Wet	8.16	13.02	14.45	14.74	6.49	5.64	6.44	9.36	4.49	9.78	5.15	7.77	105
1984	Wet	11.96	13.02	5.84	6.52	6.39	4.37	0.90	0.00	0.00	0.00	2.53	5.51	57
1985	Dry	7.39	11.12	13.52	13.82	10.95	5.73	0.00	0.00	0.00	1.78	2.60	5.54	72
1986	Wet	7.40	11.13	13.53	13.83	13.01	3.76	4.46	6.30	5.11	0.00	2.85	5.65	87
1987	Dry	7.43	11.14	13.60	6.70	4.18	2.03	0.00	0.00	0.00	0.53	0.00	2.48	48
1988	Critical	7.33	11.18	13.57	13.90	3.06	0.00	0.00	0.00	0.00	0.00	0.00	1.70	51
1989	Dry	3.01	5.68	7.28	14.00	0.68	10.63	1.85	0.00	0.00	0.00	0.00	5.31	48
1990	Critical	4.18	11.20	10.73	13.93	5.19	3.95	0.00	0.00	0.00	0.00	0.00	0.00	49
1991	Critical	3.69	6.92	5.47	4.66	3.36	11.52	0.00	0.00	0.00	0.00	0.00	3.46	39
1992	Critical	4.68	7.06	6.28	6.97	12.50	4.20	0.46	0.00	0.00	0.00	0.00	2.43	45
1993	Above Normal	3.08	4.10	12.35	14.15	12.32	10.21	6.68	0.00	0.27	1.79	2.47	5.54	73
1994	Critical	7.40	11.13	13.53	13.83	8.75	4.95	0.00	0.00	0.00	3.25	4.23	7.24	74
1995	Wet	1.38	8.32	13.84	14.26	13.00	14.18	7.41	9.34	4.49	9.69	1.37	4.93	102
1996	Wet	7.24	11.05	13.75	11.49	6.40	4.61	3.35	1.02	0.00	1.01	1.98	5.26	67
1997	Wet	7.33	11.09	14.47	14.78	12.91	4.50	0.82	0.00	0.00	1.31	2.54	4.88	75
1998	Wet	6.48	11.12	13.52	13.85	12.82	5.65	6.47	8.04	4.49	9.78	1.30	4.94	98
1999	Wet	7.24	11.11	14.07	12.15	6.38	4.33	1.99	0.00	0.00	1.18	2.47	5.48	66
2000	Above Normal	7.39	11.12	13.52	13.82	11.55	4.39	3.05	0.00	0.00	0.00	2.24	5.38	72
2001	Dry	7.36	11.11	13.51	13.80	10.87	10.37	0.00	0.00	0.00	0.00	0.00	0.00	67
2002	Dry	7.53	10.79	13.60	13.94	1.99	10.19	0.05	0.00	0.00	1.75	2.49	5.53	68
2003	Above Normal	5.34	10.52	13.53	13.82	9.49	3.92	2.25	0.00	0.00	0.00	2.94	5.69	68
Average		6	10	12	13	9	5	2	1	1	1	2	5	68
Wet		7	11	13	13	10	6	4	3	2	3	2	5	80
Above Normal		6	10	12	13	10	7	3	1	0	1	2	5	71
Below Normal		6	11	13	14	8	5	1	0	0	1	2	5	66
Dry		6	10	13	13	9	6	0	0	0	0	1	4	62
Critical		6	9	10	11	5	2	0	0	0	1	0	2	46

Energy Use (GWh) At Pumping Plant at O'Neill: CP4B_2020

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	7.24	11.05	13.45	13.71	11.56	5.49	5.04	2.66	0.67	1.01	1.98	5.26	79
1923	Below Normal	7.33	11.09	13.49	14.66	6.70	4.35	1.99	0.00	0.00	1.52	1.95	5.45	69
1924	Critical	7.38	11.12	11.05	13.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	43
1925	Dry	2.60	1.72	14.03	14.30	12.17	4.03	2.98	0.00	0.00	0.00	0.00	5.83	58
1926	Dry	5.59	10.22	12.86	13.91	11.26	2.00	2.27	0.00	0.00	0.00	0.00	0.00	58
1927	Wet	0.69	11.25	13.64	13.99	11.54	4.33	1.99	0.00	0.00	0.00	2.47	5.48	65
1928	Above Normal	7.39	11.12	13.52	13.82	11.43	5.97	3.40	0.00	0.00	0.00	2.62	5.55	75
1929	Critical	7.41	11.13	13.53	13.83	10.63	0.00	0.00	0.00	0.00	0.00	0.00	2.22	59
1930	Dry	3.94	7.06	13.66	14.03	9.17	2.27	0.00	0.00	0.00	0.00	0.00	2.23	52
1931	Critical	3.34	8.31	10.19	13.96	0.17	2.70	0.00	0.00	0.00	0.00	0.00	4.03	43
1932	Dry	3.57	4.93	14.03	14.29	5.25	0.00	0.00	0.00	0.00	0.00	0.25	8.06	50
1933	Critical	7.83	9.66	5.02	1.26	1.18	0.00	0.00	0.00	0.00	0.00	0.00	4.31	29
1934	Critical	5.91	4.39	11.40	4.58	0.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27
1935	Below Normal	0.00	9.54	11.14	14.28	4.21	4.64	1.42	0.00	0.00	0.00	0.00	5.92	51
1936	Below Normal	4.75	10.42	12.10	13.94	4.42	3.26	3.74	0.34	0.00	0.00	0.00	5.79	59
1937	Below Normal	6.83	11.01	13.57	13.76	3.42	1.85	2.95	4.31	0.00	0.00	0.00	5.91	64
1938	Wet	6.20	11.21	14.53	5.21	2.61	5.63	6.28	9.37	4.49	4.27	1.25	4.93	76
1939	Dry	7.24	11.05	13.45	13.71	7.67	2.59	0.00	0.00	0.00	0.00	0.00	3.93	60
1940	Above Normal	5.28	7.87	4.85	13.92	11.77	10.97	2.14	0.00	0.00	0.00	2.48	5.48	65
1941	Wet	7.39	11.12	14.11	14.80	12.99	8.28	4.67	3.96	1.11	0.92	1.90	5.22	86
1942	Wet	7.32	11.09	14.08	14.77	5.77	4.67	1.82	0.00	1.40	1.21	2.14	5.33	70
1943	Wet	7.35	11.10	13.50	14.79	9.26	5.00	5.28	0.76	0.00	0.52	1.60	5.09	74
1944	Dry	7.28	11.07	13.47	13.74	11.18	10.27	0.00	0.00	0.00	0.00	0.00	5.59	73
1945	Below Normal	5.68	11.19	13.58	13.91	10.05	3.54	1.58	0.00	0.00	1.45	2.33	5.42	69
1946	Below Normal	7.37	11.11	13.56	14.65	4.32	8.70	0.59	0.00	0.00	2.04	2.81	1.98	67
1947	Dry	7.43	11.14	13.54	13.95	11.03	2.84	0.00	0.00	0.00	0.00	0.00	5.51	65
1948	Below Normal	3.65	11.19	8.97	12.77	11.37	6.22	2.63	0.00	0.00	1.81	1.49	5.55	66
1949	Dry	7.41	10.01	13.53	13.83	10.98	6.16	0.00	0.00	0.00	1.52	2.39	5.44	71
1950	Below Normal	7.38	11.12	13.52	13.81	10.91	6.83	3.12	0.00	0.00	0.00	3.91	5.90	76
1951	Above Normal	7.56	11.69	11.50	2.81	2.71	4.35	1.84	0.00	0.00	0.00	2.31	5.41	50
1952	Wet	7.37	11.11	13.51	13.80	13.46	10.72	5.99	8.39	4.49	1.79	1.25	4.93	97
1953	Wet	7.24	11.05	13.45	13.71	10.59	0.05	2.23	0.00	0.00	1.69	2.53	5.51	68
1954	Above Normal	7.39	11.12	13.52	13.82	10.61	4.33	1.99	0.00	0.00	0.00	2.47	5.48	71
1955	Dry	7.39	11.12	13.52	13.82	10.93	2.72	0.00	0.00	0.00	1.06	0.00	2.41	63
1956	Wet	5.14	11.20	14.53	14.87	11.42	4.70	3.56	1.42	1.51	1.51	2.38	5.44	78
1957	Above Normal	7.38	11.12	13.51	11.34	4.85	4.35	2.49	0.00	0.00	0.00	2.27	5.39	63
1958	Wet	7.36	11.11	13.51	13.80	11.48	8.02	5.25	7.11	4.49	0.01	1.25	4.93	88
1959	Below Normal	7.24	11.05	13.45	13.71	10.59	6.66	0.00	0.00	0.00	1.71	1.72	3.35	69
1960	Dry	2.58	8.15	6.10	12.44	10.88	10.55	0.00	0.00	0.00	0.00	0.00	5.31	56
1961	Dry	2.96	11.23	11.30	13.98	11.48	2.64	0.00	0.00	0.00	1.50	0.09	5.67	61
1962	Below Normal	0.00	11.15	13.10	13.85	11.06	10.18	0.50	0.00	0.00	1.37	2.66	5.57	69
1963	Wet	7.41	11.13	13.53	13.83	12.22	4.72	3.40	0.00	0.00	0.00	2.21	5.36	74
1964	Dry	7.36	11.11	13.51	13.79	8.48	6.30	0.00	0.00	0.00	0.00	0.00	5.85	66
1965	Wet	4.30	11.19	13.59	14.86	9.78	3.46	2.25	0.00	0.00	1.55	2.42	5.45	69
1966	Below Normal	7.38	11.12	13.65	13.99	10.27	4.34	0.73	0.00	0.00	0.55	2.46	5.48	70
1967	Wet	7.39	10.06	13.52	13.82	11.74	11.95	6.13	7.06	4.49	9.78	1.25	4.93	102
1968	Below Normal	7.24	12.82	13.45	11.46	6.40	4.35	0.31	0.00	0.00	1.28	2.49	3.50	63
1969	Wet	6.56	11.12	13.52	14.80	12.99	8.40	6.48	9.40	4.49	9.78	1.25	4.93	104
1970	Wet	7.24	11.05	13.45	10.95	6.40	3.91	2.48	0.00	0.00	0.00	2.56	5.52	64
1971	Wet	7.40	11.13	13.52	13.82	9.42	10.16	2.05	0.00	0.00	0.00	2.58	5.53	76
1972	Below Normal	7.40	11.13	13.53	13.82	11.46	4.37	0.00	0.00	0.00	0.00	2.65	5.56	70
1973	Above Normal	7.41	11.13	13.53	13.83	10.98	9.86	1.54	0.00	0.00	1.55	2.41	5.45	78
1974	Wet	7.38	11.12	13.52	14.80	11.07	4.63	4.31	0.00	0.00	0.94	1.92	5.23	75
1975	Wet	7.32	11.09	13.49	13.77	10.78	8.09	1.99	0.00	0.00	1.61	2.46	5.48	76
1976	Critical	7.39	11.12	13.52	13.81	10.23	1.96	0.00	0.00	0.00	0.00	0.00	0.00	58
1977	Critical	2.65	8.91	2.13	9.96	1.30	0.00	0.00	0.00	0.00	3.58	0.00	1.38	30
1978	Above Normal	4.81	4.62	9.15	14.29	13.54	11.45	5.66	6.30	3.57	3.78	1.25	4.93	83
1979	Below Normal	7.24	11.05	13.45	14.20	11.22	3.69	1.01	0.55	0.00	1.52	2.39	5.44	72
1980	Above Normal	7.38	11.12	13.52	14.80	10.66	5.17	5.45	0.85	0.19	2.91	1.73	5.15	79
1981	Dry	7.30	11.08	13.48	13.75	10.73	4.83	0.40	0.00	0.00	1.37	2.27	5.39	71
1982	Wet	3.60	11.11	13.51	13.80	12.96	11.31	5.78	8.68	4.34	1.14	1.25	4.93	92
1983	Wet	8.16	13.02	14.45	14.74	6.49	5.64	6.44	9.36	4.49	9.78	5.15	7.77	105
1984	Wet	11.96	13.02	5.84	6.52	6.39	4.37	0.90	0.00	0.00	0.00	2.53	5.51	57
1985	Dry	7.39	11.12	13.52	13.82	10.95	9.69	0.00	0.00	0.00	1.52	2.39	5.44	76
1986	Wet	7.38	11.12	13.52	13.81	12.98	5.55	4.37	6.30	5.17	0.00	2.92	5.68	89
1987	Dry	7.44	11.15	13.60	5.31	4.09	2.01	0.00	0.00	0.00	0.33	0.00	2.46	46
1988	Critical	7.42	11.18	13.58	13.90	2.69	0.00	0.00	0.00	0.00	0.00	0.00	1.70	50
1989	Dry	3.01	5.68	10.98	14.00	3.20	10.63	2.15	0.00	0.00	0.00	0.00	5.36	55
1990	Critical	4.41	11.19	11.82	13.92	4.35	3.95	0.00	0.00	0.00	0.00	0.00	0.00	50
1991	Critical	3.69	6.92	5.63	5.02	3.22	11.52	0.00	0.00	0.00	0.00	0.00	3.46	39
1992	Critical	4.67	7.06	6.29	6.97	12.50	4.50	0.45	0.00	0.00	0.00	0.00	2.45	45
1993	Above Normal	3.13	4.33	11.63	14.15	12.31	10.21	6.69	0.00	0.30	1.82	2.49	5.55	73
1994	Critical	7.41	11.13	13.53	13.83	8.57	4.95	0.00	0.00	0.00	3.25	4.23	6.19	73
1995	Wet	3.69	8.31	13.84	14.26	13.00	14.18	6.71	9.34	4.49	9.69	1.37	4.93	104
1996	Wet	7.24	11.05	13.75	11.49	6.40	4.61	3.35	1.02	0.00	1.01	1.98	5.26	67
1997	Wet	7.33	11.09	14.47	14.78	12.91	4.50	0.82	0.00	0.00	1.10	2.54	4.88	74
1998	Wet	6.54	11.12	13.52	13.85	12.59	5.65	6.47	8.04	4.49	9.78	1.30	4.94	98
1999	Wet	7.24	11.11	14.07	12.15	6.38	4.33	1.99	0.00	0.00	1.18	2.47	5.48	66
2000	Above Normal	7.39	11.12	13.52	13.82	11.55	4.38	3.05	0.00	0.00	0.00	2.24	5.38	72
2001	Dry	7.36	11.11	13.51	13.80	10.87	10.37	0.00	0.00	0.00	0.00	0.00	0.00	67
2002	Dry	7.46	11.21	13.61	13.94	1.43	10.19	0.05	0.00	0.00	1.73	2.56	5.52	68
2003	Above Normal	5.34	10.53	13.52	13.82	9.62	3.91	2.25	0.00	0.00	0.00	2.94	5.69	68
Average		6	10	13	13	9	5	2	1	1	1	2	5	68
Wet		7	11	13	13	10	6	4	3	2	3	2	5	81
Above Normal		6	10	12	13	10	7	3	1	0	1	2	5	71
Below Normal		6	11	13	14	8	5	1	0	0	1	2	5	67
Dry		6	9	13	13	9	6	0	0	0	1	1	4	62
Critical		6	9	10	10	5	2	0	0	0	1	0	2	46

Difference in Energy Use (GWh) At Pumping Plant at O'Neill: CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1927	Wet	-1	0	0	0	0	-1	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	0	-1	0	0	0	0	0	0	-1	0
1931	Critical	0	0	0	0	-1	0	0	0	0	0	0	0	0
1932	Dry	-2	-2	0	0	4	0	0	0	0	0	0	0	0
1933	Critical	0	0	-1	0	0	0	0	0	0	0	0	1	0
1934	Critical	0	0	0	-2	0	0	0	0	0	0	0	0	0
1935	Below Norma	0	0	0	0	0	-1	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1938	Wet	0	0	0	-1	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	1	-1	0	0	0	0	0	0	0
1940	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	0	0	4	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1945	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1946	Below Norma	0	0	0	0	0	0	0	0	0	2	0	-1	0
1947	Dry	0	0	0	0	0	-2	0	0	0	0	0	0	0
1948	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1949	Dry	0	0	0	0	0	0	0	0	0	0	1	0	0
1950	Below Norma	0	0	0	0	0	2	0	0	0	0	0	0	0
1951	Above Norma	5	0	-3	-3	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	-1	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	-4	0	0	0	1	0	0	0
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	1	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1961	Dry	0	0	0	0	0	0	0	0	0	0	-3	3	0
1962	Below Norma	0	5	0	0	0	0	0	0	0	-1	0	0	0
1963	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1965	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1966	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	1	0	0	0	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	1	0	0	0	0	-1	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	Above Norma	0	0	0	0	2	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	1	0	0	0	0	-1	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	4	0	0	0	0	0	0	0
1986	Wet	0	0	0	0	0	2	0	0	0	0	0	0	0
1987	Dry	0	0	0	-1	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	Dry	0	0	4	0	3	0	0	0	0	0	0	0	1
1990	Critical	0	0	1	0	-1	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	Above Norma	0	0	-1	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	-1	0
1995	Wet	2	0	0	0	0	0	-1	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	-1	0	0	0	0	0	0	0	0
2003	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Below Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Dry		0	0	0	0	0	0	0	0	0	0	0	0	0
Critical		0	0	0	0	0	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at O'Neill: CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1923	Below Norm	0%	0%	0%	0%	0%	0%	0%	-	-	0%	0%	0%
1924	Critical	0%	0%	0%	0%	-	-	-	-	-	-	-	-
1925	Dry	0%	0%	0%	0%	0%	0%	0%	-	-	-	-	0%
1926	Dry	0%	0%	1%	0%	0%	-1%	0%	-	-	-	-	-
1927	Wet	-54%	0%	0%	0%	0%	-16%	0%	-	-	-	0%	0%
1928	Above Norm	0%	0%	0%	0%	0%	8%	0%	-	-	-	0%	0%
1929	Critical	0%	0%	0%	0%	0%	-	-	-	-	-	-	1%
1930	Dry	0%	0%	0%	0%	-8%	-1%	-	-	-	-	-	-30%
1931	Critical	-11%	2%	2%	0%	-87%	1%	-	-	-	-	-	0%
1932	Dry	-34%	-24%	0%	0%	327%	-	-	-	-	-	45%	0%
1933	Critical	0%	0%	-16%	-4%	-4%	-	-	-	-	-	-	46%
1934	Critical	4%	10%	-1%	-29%	0%	-	-	-	-	-	-	-
1935	Below Norm	0%	0%	1%	0%	0%	-11%	-4%	-	-	-	-	0%
1936	Below Norm	0%	0%	1%	0%	-4%	0%	0%	0%	-	-	-	0%
1937	Below Norm	0%	0%	0%	0%	0%	0%	0%	-1%	-	-	-	0%
1938	Wet	3%	0%	0%	-12%	-1%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	-2%	0%	0%	0%	24%	-29%	-	-	-	-	-	7%
1940	Above Norm	2%	4%	1%	0%	1%	0%	-3%	-	-	-	-13%	-3%
1941	Wet	-1%	0%	0%	0%	3%	90%	0%	0%	0%	0%	0%	0%
1942	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	0%	-	0%	0%	0%
1944	Dry	0%	0%	0%	0%	0%	0%	-	-	-	-	-	1%
1945	Below Norm	0%	0%	0%	0%	-1%	-1%	0%	-	-	0%	0%	0%
1946	Below Norm	0%	0%	0%	0%	9%	0%	0%	-	-	-	0%	-41%
1947	Dry	0%	0%	0%	0%	0%	-45%	-	-	-	-	-	-2%
1948	Below Norm	2%	0%	2%	1%	-3%	1%	0%	-	-	-1%	-1%	0%
1949	Dry	0%	0%	0%	0%	0%	0%	-	-	-	-17%	96%	-2%
1950	Below Norm	1%	0%	0%	0%	-1%	54%	0%	-	-	-	2%	0%
1951	Above Norm	174%	0%	-21%	-50%	-3%	0%	0%	-	-	-	0%	0%
1952	Wet	0%	0%	0%	0%	0%	-6%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	-	-	0%	0%	0%
1954	Above Norm	0%	0%	0%	0%	0%	0%	0%	-	-	-	0%	0%
1955	Dry	0%	0%	0%	0%	0%	-60%	-	-	-	-	-	0%
1956	Wet	0%	0%	0%	0%	-1%	0%	0%	-8%	0%	0%	0%	0%
1957	Above Norm	-1%	0%	0%	5%	0%	0%	0%	-	-	-	0%	0%
1958	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norm	0%	0%	0%	0%	0%	0%	-	-	-	0%	-1%	1%
1960	Dry	0%	0%	0%	0%	-3%	0%	-	-	-	-	-	-1%
1961	Dry	0%	0%	4%	0%	0%	-15%	-	-	-	-14%	-97%	121%
1962	Below Norm	0%	68%	-3%	0%	0%	0%	-16%	-	-	-34%	-6%	-1%
1963	Wet	0%	0%	0%	0%	0%	10%	0%	-	-	-	0%	0%
1964	Dry	0%	0%	0%	0%	0%	0%	-	-	-	-	-	0%
1965	Wet	2%	0%	0%	0%	3%	0%	0%	-	-	0%	0%	0%
1966	Below Norm	0%	0%	0%	0%	0%	0%	0%	-	-	-34%	0%	0%
1967	Wet	0%	6%	0%	0%	0%	-3%	0%	0%	0%	0%	0%	0%
1968	Below Norm	0%	0%	0%	0%	0%	0%	0%	-	-	0%	0%	0%
1969	Wet	12%	0%	0%	0%	0%	-8%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	0%	0%	-	-	-	0%	0%
1971	Wet	0%	0%	0%	0%	0%	0%	0%	-	-	-	0%	0%
1972	Below Norm	0%	0%	0%	0%	0%	0%	-	-	-	-	0%	0%
1973	Above Norm	0%	0%	0%	0%	0%	-3%	0%	-	-	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	-1%	0%	-	-	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	-	-	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	-2%	-	-	-	-	-	-
1977	Critical	0%	0%	0%	-1%	6%	-	-	-	-	-1%	-	0%
1978	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1979	Below Norm	0%	0%	0%	0%	0%	-5%	0%	-14%	-	-8%	-4%	-1%
1980	Above Norm	0%	0%	0%	0%	28%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	0%	0%	0%	-	-	0%	0%	0%
1982	Wet	31%	0%	0%	0%	0%	-8%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	-	-	-	0%	0%
1985	Dry	0%	0%	0%	0%	0%	69%	-	-	-	-15%	-8%	-2%
1986	Wet	0%	0%	0%	0%	0%	48%	-2%	0%	1%	-	2%	1%
1987	Dry	0%	0%	0%	-21%	-2%	-1%	-	-	-	-38%	-	-1%
1988	Critical	1%	0%	0%	0%	-12%	-	-	-	-	-	-	0%
1989	Dry	0%	0%	51%	0%	372%	0%	16%	-	-	-	-	1%
1990	Critical	5%	0%	10%	0%	-16%	0%	-	-	-	-	-	-
1991	Critical	0%	0%	3%	8%	-4%	0%	-	-	-	-	-	0%
1992	Critical	0%	0%	0%	0%	0%	7%	-2%	-	-	-	-	1%
1993	Above Norm	2%	6%	-6%	0%	0%	0%	0%	-	10%	2%	1%	0%
1994	Critical	0%	0%	0%	0%	-2%	0%	-	-	-	0%	0%	-14%
1995	Wet	167%	0%	0%	0%	0%	0%	-10%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	0%	0%	0%	0%	0%	0%	-	0%	0%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	0%	-	-	-16%	0%	0%
1998	Wet	1%	0%	0%	0%	-2%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	-	-	0%	0%	0%
2000	Above Norm	0%	0%	0%	0%	0%	0%	0%	-	-	-	0%	0%
2001	Dry	0%	0%	0%	0%	0%	0%	-	-	-	-	-	-
2002	Dry	-1%	4%	0%	0%	-28%	0%	3%	-	-	-1%	3%	0%
2003	Above Norm	0%	0%	0%	0%	1%	0%	0%	-	-	-	0%	0%
Average		4%	1%	0%	-1%	7%	1%	0%	-1%	1%	-4%	0%	1%
Wet		6%	0%	0%	0%	0%	4%	0%	0%	0%	-1%	0%	0%
Above Norm		15%	1%	-2%	-4%	2%	0%	0%	1%	0%	-1%	0%	0%
Below Norm		0%	5%	0%	0%	0%	3%	-1%	-1%	0%	-5%	-1%	-3%
Dry		-2%	-1%	3%	-1%	38%	-5%	1%	0%	0%	-5%	2%	5%
Critical		0%	1%	0%	-2%	-10%	1%	0%	0%	0%	0%	0%	3%

Energy Use (GWh) At Pumping Plant at Red Bluff: CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	0.08	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.18	0
1923	Below Normal	0.05	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.01	0
1924	Critical	0.11	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.06	0
1925	Dry	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0
1926	Dry	0.10	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.08	0
1927	Wet	0.05	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.20	0
1928	Above Normal	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0
1929	Critical	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0
1930	Dry	0.06	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0
1931	Critical	0.07	0.01	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.07	0
1932	Dry	0.05	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0
1933	Critical	0.06	0.01	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.06	0
1934	Critical	0.04	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0
1935	Below Normal	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0
1936	Below Normal	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0
1937	Below Normal	0.10	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0
1938	Wet	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0
1939	Dry	0.10	0.00	0.00	0.00	0.05	0.13	0.00	0.00	0.00	0.00	0.00	0.11	0
1940	Above Normal	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0
1941	Wet	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0
1942	Wet	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0
1943	Wet	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0
1944	Dry	0.14	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.02	0
1945	Below Normal	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0
1946	Below Normal	0.04	0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.27	0
1947	Dry	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0
1948	Below Normal	0.04	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.19	0
1949	Dry	0.10	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0
1950	Below Normal	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0
1951	Above Normal	0.04	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.19	0
1952	Wet	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0
1953	Wet	0.17	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.20	0
1954	Above Normal	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0
1955	Dry	0.16	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.11	0
1956	Wet	0.08	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.15	0
1957	Above Normal	0.11	0.02	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.01	0
1958	Wet	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0
1959	Below Normal	0.16	0.02	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.15	0
1960	Dry	0.16	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0
1961	Dry	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0
1962	Below Normal	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0
1963	Wet	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0
1964	Dry	0.07	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.11	0
1965	Wet	0.05	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.16	0
1966	Below Normal	0.16	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.16	0
1967	Wet	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0
1968	Below Normal	0.16	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0
1969	Wet	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0
1970	Wet	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0
1971	Wet	0.08	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.16	0
1972	Below Normal	0.14	0.00	0.00	0.00	0.00	0.19	0.00	0.00	0.00	0.00	0.00	0.03	0
1973	Above Normal	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0
1974	Wet	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0
1975	Wet	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0
1976	Critical	0.05	0.00	0.00	0.00	0.05	0.08	0.00	0.00	0.00	0.00	0.00	0.05	0
1977	Critical	0.06	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.06	0
1978	Above Normal	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0
1979	Below Normal	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0
1980	Above Normal	0.05	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0
1981	Dry	0.15	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0
1982	Wet	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0
1983	Wet	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0
1984	Wet	0.14	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.16	0
1985	Dry	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0
1986	Wet	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0
1987	Dry	0.12	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0
1988	Critical	0.07	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.06	0
1989	Dry	0.06	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0
1990	Critical	0.05	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1991	Critical	0.04	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0
1992	Critical	0.06	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0
1993	Above Normal	0.05	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0
1994	Critical	0.12	0.01	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.29	0
1995	Wet	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0
1996	Wet	0.18	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0
1997	Wet	0.06	0.01	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.27	0
1998	Wet	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0
1999	Wet	0.10	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0
2000	Above Normal	0.15	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0
2001	Dry	0.04	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0
2002	Dry	0.06	0.01	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.21	0
2003	Above Normal	0.12	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal		0	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal		0	0	0	0	0	0	0	0	0	0	0	0	0
Dry		0	0	0	0	0	0	0	0	0	0	0	0	0
Critical		0	0	0	0	0	0	0	0	0	0	0	0	0

Energy Use (GWh) At Pumping Plant at Red Bluff: CP4B_2020

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	0.08	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.18	0
1923	Below Normal	0.05	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.01	0
1924	Critical	0.11	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.06	0
1925	Dry	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0
1926	Dry	0.10	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.08	0
1927	Wet	0.05	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.20	0
1928	Above Normal	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0
1929	Critical	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0
1930	Dry	0.05	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0
1931	Critical	0.07	0.01	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.07	0
1932	Dry	0.05	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0
1933	Critical	0.06	0.01	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.06	0
1934	Critical	0.04	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0
1935	Below Normal	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0
1936	Below Normal	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0
1937	Below Normal	0.10	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0
1938	Wet	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0
1939	Dry	0.10	0.00	0.00	0.00	0.05	0.12	0.00	0.00	0.00	0.00	0.00	0.10	0
1940	Above Normal	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0
1941	Wet	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0
1942	Wet	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0
1943	Wet	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0
1944	Dry	0.14	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.02	0
1945	Below Normal	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0
1946	Below Normal	0.04	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.27	0
1947	Dry	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0
1948	Below Normal	0.04	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.19	0
1949	Dry	0.10	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0
1950	Below Normal	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0
1951	Above Normal	0.04	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.19	0
1952	Wet	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0
1953	Wet	0.17	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.20	0
1954	Above Normal	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0
1955	Dry	0.16	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.11	0
1956	Wet	0.08	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.15	0
1957	Above Normal	0.11	0.02	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.01	0
1958	Wet	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0
1959	Below Normal	0.16	0.02	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.15	0
1960	Dry	0.16	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0
1961	Dry	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0
1962	Below Normal	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0
1963	Wet	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0
1964	Dry	0.07	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.11	0
1965	Wet	0.05	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.16	0
1966	Below Normal	0.16	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.16	0
1967	Wet	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0
1968	Below Normal	0.16	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0
1969	Wet	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0
1970	Wet	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0
1971	Wet	0.08	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.16	0
1972	Below Normal	0.14	0.00	0.00	0.00	0.00	0.19	0.00	0.00	0.00	0.00	0.00	0.03	0
1973	Above Normal	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0
1974	Wet	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0
1975	Wet	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0
1976	Critical	0.05	0.00	0.00	0.00	0.05	0.08	0.00	0.00	0.00	0.00	0.00	0.05	0
1977	Critical	0.06	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.06	0
1978	Above Normal	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0
1979	Below Normal	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0
1980	Above Normal	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0
1981	Dry	0.15	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0
1982	Wet	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0
1983	Wet	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0
1984	Wet	0.14	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.16	0
1985	Dry	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0
1986	Wet	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0
1987	Dry	0.12	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0
1988	Critical	0.07	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.06	0
1989	Dry	0.06	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0
1990	Critical	0.05	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1991	Critical	0.04	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0
1992	Critical	0.06	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0
1993	Above Normal	0.05	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0
1994	Critical	0.12	0.01	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.29	0
1995	Wet	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0
1996	Wet	0.18	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0
1997	Wet	0.06	0.01	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.27	0
1998	Wet	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0
1999	Wet	0.10	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0
2000	Above Normal	0.15	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0
2001	Dry	0.04	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0
2002	Dry	0.06	0.01	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.21	0
2003	Above Normal	0.12	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal		0	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal		0	0	0	0	0	0	0	0	0	0	0	0	0
Dry		0	0	0	0	0	0	0	0	0	0	0	0	0
Critical		0	0	0	0	0	0	0	0	0	0	0	0	0

Difference in Energy Use (GWh) At Pumping Plant at Red Bluff: CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1927	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1932	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1935	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1940	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1945	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1946	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1947	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1948	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1949	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1951	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1961	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1963	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1965	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1966	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Below Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Dry		0	0	0	0	0	0	0	0	0	0	0	0	0
Critical		0	0	0	0	0	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at Red Bluff: CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	-	-	-	-	0%	-	-	-	-	-	0%
1923	Below Norma	0%	-	-	-	-	0%	-	-	-	-	-	0%
1924	Critical	0%	0%	-	-	-	0%	-	-	-	-	-	0%
1925	Dry	0%	-	-	-	-	-	-	-	-	-	-	-1%
1926	Dry	0%	-	-	-	-	-1%	-	-	-	-	-	-1%
1927	Wet	0%	-	-	-	-	0%	-	-	-	-	-	0%
1928	Above Norma	0%	-	-	-	-	-	-	-	-	-	-	-1%
1929	Critical	0%	-	-	-	-	-5%	-	-	-	-	-	-5%
1930	Dry	-1%	0%	-	-	-	-	-	-	-	-	-	-2%
1931	Critical	-1%	0%	-	-	-	0%	-	-	-	-	-	0%
1932	Dry	0%	0%	-	-	-	-6%	-	-	-	-	-	-3%
1933	Critical	-2%	0%	-	-	-	0%	-	-	-	-	-	0%
1934	Critical	0%	0%	-	-	-	-8%	-	-	-	-	-	-3%
1935	Below Norma	-1%	-	-	-	-	-	-	-	-	-	-	0%
1936	Below Norma	0%	-	-	-	-	0%	-	-	-	-	-	0%
1937	Below Norma	0%	0%	-	-	-	-	-	-	-	-	-	-2%
1938	Wet	0%	-	-	-	-	-	-	-	-	-	-	0%
1939	Dry	0%	0%	-	-	0%	-12%	-	-	-	-	-	-15%
1940	Above Norma	-7%	-15%	-	-	-	-	-	-	-	-	-	0%
1941	Wet	0%	-	-	-	-	-	-	-	-	-	-	0%
1942	Wet	0%	-	-	-	-	-	-	-	-	-	-	0%
1943	Wet	0%	-	-	-	-	0%	-	-	-	-	-	0%
1944	Dry	0%	0%	-	-	-	0%	-	-	-	-	-	0%
1945	Below Norma	0%	-	-	-	-	-	-	-	-	-	-	-2%
1946	Below Norma	0%	-100%	-	-	-	-2%	-	-	-	-	-	-2%
1947	Dry	-2%	-	-	-	-	-	-	-	-	-	-	-11%
1948	Below Norma	-1%	-	-	-	-11%	-8%	-	-	-	-	-	0%
1949	Dry	0%	0%	-	-	-	-	-	-	-	-	-	0%
1950	Below Norma	0%	0%	-	-	-	-5%	-	-	-	-	-	-4%
1951	Above Norma	0%	-	-	-	-	0%	-	-	-	-	-	0%
1952	Wet	0%	-	-	-	-	-	-	-	-	-	-	0%
1953	Wet	0%	-	-	-	-	0%	-	-	-	-	-	0%
1954	Above Norma	0%	-	-	-	-	-	-	-	-	-	-	0%
1955	Dry	0%	-	-	-	-	-1%	-	-	-	-	-	-1%
1956	Wet	0%	-	-	-	-	0%	-	-	-	-	-	0%
1957	Above Norma	0%	0%	-	-	-	0%	-	-	-	-	-	0%
1958	Wet	0%	0%	-	-	-	-	-	-	-	-	-	0%
1959	Below Norma	0%	0%	-	-	-	0%	-	-	-	-	-	0%
1960	Dry	0%	0%	-	-	-	-2%	-	-	-	-	-	0%
1961	Dry	0%	-	-	-	-	-	-	-	-	-	-	-4%
1962	Below Norma	-1%	-	-	-	-	-	-	-	-	-	-	11%
1963	Wet	0%	-	-	-	-	-	-	-	-	-	-	0%
1964	Dry	0%	-	-	-	-	1%	-	-	-	-	-	1%
1965	Wet	0%	-	-	-	-	0%	-	-	-	-	-	0%
1966	Below Norma	0%	-	-	-	-	0%	-	-	-	-	-	0%
1967	Wet	0%	-	-	-	-	0%	-	-	-	-	-	0%
1968	Below Norma	0%	0%	-	-	-	0%	-	-	-	-	-	0%
1969	Wet	0%	-	-	-	-	0%	-	-	-	-	-	0%
1970	Wet	0%	0%	-	-	-	0%	-	-	-	-	-	0%
1971	Wet	0%	-	-	-	-	-5%	-	-	-	-	-	0%
1972	Below Norma	0%	0%	-	-	0%	0%	-	-	-	-	-	0%
1973	Above Norma	0%	-	-	-	-	-	-	-	-	-	-	0%
1974	Wet	0%	-	-	-	-	-	-	-	-	-	-	0%
1975	Wet	0%	0%	-	-	-	-	-	-	-	-	-	0%
1976	Critical	0%	0%	-	-	0%	0%	-	-	-	-	-	0%
1977	Critical	0%	0%	-	-	0%	0%	-	-	-	-	-	0%
1978	Above Norma	0%	-	-	-	-	-	-	-	-	-	-	0%
1979	Below Norma	0%	-	-	-	-	0%	-	-	-	-	-	-10%
1980	Above Norma	-1%	-100%	-	-	-	-	-	-	-	-	-	0%
1981	Dry	0%	0%	-	-	-	-	-	-	-	-	-	0%
1982	Wet	0%	-	-	-	-	-	-	-	-	-	-	0%
1983	Wet	0%	-	-	-	-	-	-	-	-	-	-	0%
1984	Wet	0%	-	-	-	-	0%	-	-	-	-	-	0%
1985	Dry	0%	-	-	-	-	-	-	-	-	-	-	-1%
1986	Wet	-1%	-	-	-	-	-	-	-	-	-	-	-19%
1987	Dry	-2%	-2%	-	-	-	-1%	-	-	-	-	-	-2%
1988	Critical	-1%	-	-	-	-	0%	-	-	-	-	-	0%
1989	Dry	0%	0%	-	-	0%	-	-	-	-	-	-	3%
1990	Critical	1%	0%	-	-	-	-	-	-	-	-	-	-
1991	Critical	0%	0%	-	-	-	-	-	-	-	-	-	1%
1992	Critical	0%	0%	-	-	-	-	-	-	-	-	-	0%
1993	Above Norma	0%	0%	-	-	-	-	-	-	-	-	-	0%
1994	Critical	0%	0%	-	-	-	0%	-	-	-	-	-	0%
1995	Wet	0%	-	-	-	-	-	-	-	-	-	-	0%
1996	Wet	0%	0%	-	-	-	-	-	-	-	-	-	0%
1997	Wet	0%	0%	-	-	-	0%	-	-	-	-	-	0%
1998	Wet	0%	-	-	-	-	-	-	-	-	-	-	0%
1999	Wet	0%	0%	-	-	-	-	-	-	-	-	-	0%
2000	Above Norma	0%	0%	-	-	-	-	-	-	-	-	-	0%
2001	Dry	0%	0%	-	-	-	0%	-	-	-	-	-	-1%
2002	Dry	0%	0%	-	-	-	0%	-	-	-	-	-	0%
2003	Above Norma	0%	0%	-	-	-	-	-	-	-	-	-	0%
Average		0%	-6%	#DIV/0!	#DIV/0!	-2%	-1%	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	-1%
Wet		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%
Above Norma		-1%	-10%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Below Norma		0%	-7%	0%	0%	-1%	-1%	0%	0%	0%	0%	0%	-1%
Dry		0%	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%	-2%
Critical		0%	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%	-1%

Energy Use (GWh) At Pumping Plant at San Felipe: CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	4.89	5.80	4.63	3.41	1.45	1.87	1.80	1.98	2.60	3.82	5.72	6.54	44
1923	Below Normal	4.13	4.57	3.46	2.56	1.26	2.06	2.04	2.52	3.75	5.41	6.98	7.27	46
1924	Critical	4.37	5.06	4.40	3.62	1.96	1.97	1.63	1.54	1.64	1.99	2.41	2.65	33
1925	Dry	1.61	2.09	1.63	0.81	0.29	1.38	1.24	1.29	1.70	2.64	3.98	4.56	23
1926	Dry	2.81	3.30	2.70	1.80	0.75	1.32	1.14	1.19	1.61	2.46	3.59	4.40	27
1927	Wet	2.96	3.58	2.76	1.58	0.58	1.76	1.71	2.07	3.02	4.63	6.66	7.37	39
1928	Above Normal	4.59	5.10	3.93	2.85	1.27	1.56	1.73	1.98	2.84	4.55	6.40	6.65	43
1929	Critical	4.20	4.83	3.89	2.96	1.36	1.47	1.27	1.33	1.70	2.43	3.19	3.62	32
1930	Dry	2.35	3.08	2.45	1.24	0.42	1.36	1.26	1.34	1.80	2.86	4.22	4.80	27
1931	Critical	3.12	3.96	3.47	2.36	1.07	1.78	1.48	1.50	1.68	2.07	2.51	2.83	28
1932	Dry	1.81	2.42	1.86	0.84	0.29	1.18	1.05	1.06	1.29	1.86	2.54	2.82	19
1933	Critical	1.69	2.11	1.78	1.07	0.42	0.97	0.80	0.78	0.92	1.32	1.87	2.29	16
1934	Critical	1.48	2.03	1.69	0.84	0.29	1.10	0.98	1.03	1.32	1.93	2.66	3.12	18
1935	Below Normal	2.07	2.63	2.18	1.20	0.42	0.93	0.90	1.42	2.07	3.02	4.22	4.65	26
1936	Below Normal	2.97	3.77	3.34	2.20	0.79	1.44	1.36	1.45	2.11	3.23	4.44	4.93	32
1937	Below Normal	3.14	3.89	3.41	2.42	0.94	1.33	1.24	1.25	1.66	2.56	3.79	4.35	30
1938	Wet	2.74	3.17	2.38	1.59	0.70	1.89	1.93	1.94	2.38	3.28	4.77	5.29	32
1939	Dry	3.10	3.25	2.53	2.22	1.26	1.40	1.54	1.87	2.69	3.92	5.26	5.62	35
1940	Above Normal	3.50	4.32	4.03	3.05	1.16	1.69	1.64	1.95	2.86	4.45	6.11	6.56	41
1941	Wet	4.10	4.72	3.77	2.66	1.12	1.89	1.70	1.96	2.67	4.21	6.30	7.01	42
1942	Wet	4.19	4.45	3.35	2.47	1.17	1.84	1.83	2.00	2.59	3.86	5.67	6.04	39
1943	Wet	3.54	3.70	2.76	2.15	1.10	1.84	1.82	2.10	3.22	5.13	7.45	8.22	43
1944	Dry	5.08	5.69	4.65	3.70	1.64	1.61	1.60	1.89	2.67	3.74	4.89	5.23	42
1945	Below Normal	3.26	3.75	2.85	1.96	0.80	1.57	1.92	2.49	3.61	5.18	6.85	7.28	42
1946	Below Normal	4.52	5.04	3.79	2.69	1.40	2.17	2.21	2.70	3.87	5.44	6.81	6.98	48
1947	Dry	4.19	4.65	3.58	2.62	1.18	1.47	1.45	1.82	2.82	4.04	5.21	5.54	39
1948	Below Normal	3.46	4.08	3.61	2.83	1.28	1.81	1.79	2.50	3.61	5.06	6.55	6.95	44
1949	Dry	4.23	5.04	4.28	3.35	1.62	1.90	2.09	2.43	3.61	5.04	6.48	7.10	47
1950	Below Normal	4.52	5.28	4.34	3.14	1.22	1.42	1.30	1.43	1.95	2.83	3.96	4.32	36
1951	Above Normal	2.68	3.08	2.27	1.53	0.69	1.77	1.79	2.37	3.60	5.57	7.53	7.80	41
1952	Wet	4.79	5.36	4.10	2.97	1.29	1.93	1.90	1.95	2.40	3.25	4.43	4.70	39
1953	Wet	2.80	3.04	2.53	2.32	1.30	1.85	1.70	2.12	2.94	4.14	5.78	6.43	37
1954	Above Normal	3.92	4.32	3.34	2.51	1.14	1.82	1.73	2.12	3.19	5.08	7.07	7.53	44
1955	Dry	4.71	5.25	4.02	2.87	1.32	1.71	1.61	1.69	2.25	3.34	4.65	5.24	39
1956	Wet	3.35	3.90	2.79	1.66	0.70	1.84	1.74	1.96	2.50	3.66	5.45	5.95	35
1957	Above Normal	3.47	3.91	3.33	2.64	1.27	1.99	1.99	2.64	3.65	5.33	7.04	7.28	45
1958	Wet	4.30	4.40	3.20	2.35	1.14	1.87	1.82	1.98	2.47	3.48	4.93	5.25	37
1959	Below Normal	3.10	3.30	2.67	2.40	1.31	1.85	2.03	2.52	3.64	5.12	6.51	6.98	41
1960	Dry	4.58	5.66	5.00	4.07	1.81	1.53	1.64	1.84	2.37	3.32	4.38	4.68	41
1961	Dry	2.95	3.60	2.76	1.70	0.64	1.37	1.70	2.07	3.17	4.74	6.09	6.45	37
1962	Below Normal	4.26	5.26	4.24	3.20	1.37	1.75	1.81	2.46	3.80	5.28	6.65	6.93	47
1963	Wet	4.13	4.48	3.45	2.52	1.12	1.94	1.81	2.24	3.27	5.05	7.15	7.83	45
1964	Dry	4.79	5.20	4.08	3.02	1.50	2.06	2.13	2.36	3.12	4.08	5.02	5.21	43
1965	Wet	3.24	3.66	2.62	1.67	0.72	1.48	1.45	1.99	2.98	4.56	6.45	6.96	38
1966	Below Normal	4.18	4.47	3.20	2.24	1.06	1.77	1.78	2.31	3.54	5.24	6.86	7.32	44
1967	Wet	4.60	5.15	3.89	2.71	1.18	1.92	1.93	1.97	2.45	3.21	4.23	4.53	38
1968	Below Normal	2.68	2.83	2.31	2.16	1.24	1.77	1.83	2.38	3.45	4.96	6.41	6.96	39
1969	Wet	4.55	5.20	4.02	2.75	1.15	1.89	1.95	1.94	2.38	3.20	4.45	4.86	38
1970	Wet	2.88	2.97	2.33	2.16	1.24	1.62	1.73	2.12	3.20	4.98	6.98	7.59	40
1971	Wet	4.66	5.06	3.85	2.82	1.47	2.30	2.28	2.78	3.88	5.47	7.08	7.37	49
1972	Below Normal	4.40	4.98	4.01	2.88	1.33	2.21	2.07	2.41	3.46	5.06	6.59	6.79	46
1973	Above Normal	4.14	4.36	3.04	2.18	1.07	1.69	1.77	2.22	3.21	4.74	6.32	6.74	41
1974	Wet	4.21	4.61	3.43	2.42	1.09	1.84	1.80	2.10	3.04	4.68	6.55	6.84	43
1975	Wet	4.03	4.27	3.24	2.46	1.21	1.72	1.70	2.01	2.75	4.10	5.75	6.00	39
1976	Critical	3.52	3.71	2.79	2.12	1.07	1.35	1.25	1.40	1.83	2.67	3.73	4.30	30
1977	Critical	2.80	3.63	3.26	2.31	1.08	2.26	1.91	1.83	2.01	2.46	2.89	3.14	30
1978	Above Normal	1.96	2.58	2.07	1.03	0.35	1.88	1.86	1.98	2.62	4.13	6.49	7.48	34
1979	Below Normal	4.77	5.35	4.51	3.71	1.62	1.72	1.85	2.17	2.99	4.34	6.11	6.86	46
1980	Above Normal	4.28	4.71	3.54	2.50	1.09	1.85	1.84	1.98	2.74	4.07	5.64	5.97	40
1981	Dry	3.68	4.25	3.36	2.57	1.23	1.76	1.77	2.33	3.50	5.20	7.03	7.51	44
1982	Wet	4.75	5.37	4.01	2.94	1.29	1.92	1.88	1.96	2.44	3.55	5.15	5.45	41
1983	Wet	3.19	3.19	2.46	2.22	1.24	1.86	1.95	1.94	2.36	2.96	3.68	3.74	31
1984	Wet	2.21	2.40	2.08	2.11	1.24	1.77	1.80	2.32	3.56	5.32	7.08	7.53	39
1985	Dry	4.58	4.95	3.76	2.79	1.33	1.94	2.36	3.13	4.47	6.02	7.30	7.39	50
1986	Wet	4.50	5.12	4.00	2.82	1.13	1.50	1.58	1.53	1.86	2.98	4.70	4.96	37
1987	Dry	2.96	3.43	2.82	2.22	1.08	1.44	1.50	1.80	2.52	3.63	4.97	5.50	34
1988	Critical	3.49	4.23	3.39	2.26	1.06	1.92	1.74	1.79	2.23	3.01	3.85	4.36	33
1989	Dry	2.86	3.62	3.05	1.89	0.78	1.23	1.60	1.88	2.67	3.74	4.85	5.28	33
1990	Critical	3.35	4.12	3.67	2.56	1.06	1.30	1.01	0.99	1.13	1.56	1.99	2.29	25
1991	Critical	1.48	2.04	1.90	1.16	0.44	1.74	1.32	1.32	1.61	2.22	2.92	3.36	22
1992	Critical	2.13	2.77	2.52	1.72	0.63	1.44	1.33	1.47	2.10	3.24	4.77	5.56	30
1993	Above Normal	3.65	4.61	3.87	2.48	0.95	1.66	1.62	2.06	2.78	3.96	5.85	6.62	40
1994	Critical	4.04	4.75	4.04	3.23	1.53	2.72	2.94	3.45	4.93	6.62	7.83	7.73	54
1995	Wet	4.89	5.93	4.88	3.55	1.49	2.05	1.92	1.96	2.46	3.25	4.30	4.61	41
1996	Wet	2.74	2.96	2.38	2.16	1.24	1.84	1.76	1.94	2.80	4.58	6.70	7.22	38
1997	Wet	4.54	5.11	3.75	2.72	1.22	1.82	1.72	1.97	2.81	4.33	6.15	6.77	43
1998	Wet	4.26	4.76	3.51	2.46	1.08	1.86	1.95	1.96	2.45	3.20	4.18	4.45	36
1999	Wet	2.62	2.82	2.33	2.17	1.24	1.77	1.69	2.00	2.91	4.45	6.35	6.81	37
2000	Above Normal	4.19	4.67	3.70	2.75	1.16	1.79	1.75	2.30	3.50	5.39	7.39	7.90	46
2001	Dry	4.93	5.49	4.39	3.30	1.38	1.46	1.30	1.40	1.97	3.07	4.40	5.07	38
2002	Dry	3.32	3.98	2.98	1.73	0.79	1.86	1.99	2.48	3.66	5.29	6.78	7.10	42
2003	Above Normal	4.54	5.64	4.59	3.29	1.69	2.74	2.47	2.95	4.08	5.67	7.05	7.11	52
Average		4	4	3	2	1	2	2	2	3	4	5	6	38
Wet		4	4	3	2	1	2	2	2	3	4	6	6	39
Above Normal		4	4	4	3	1	2	2	2	3	5	7	7	43
Below Normal		4	4	3	3	1	2	2	2	3	4	6	6	40
Dry		4	4	3	2	1	2	2	2	3	4	5	6	37
Critical		3	4	3	2	1	2	1	2	2	3	3	4	29

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Energy Use (GWh) At Pumping Plant at San Felipe: CP4B_2020

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	4.89	5.80	4.63	3.41	1.45	1.87	1.80	1.98	2.60	3.82	5.72	6.54	44
1923	Below Normal	4.13	4.57	3.46	2.56	1.26	2.06	2.04	2.52	3.75	5.41	6.98	7.27	46
1924	Critical	4.37	5.06	4.40	3.62	1.96	1.97	1.63	1.54	1.64	1.99	2.41	2.65	33
1925	Dry	1.61	2.09	1.63	0.81	0.29	1.38	1.24	1.29	1.70	2.63	3.96	4.53	23
1926	Dry	2.79	3.29	2.68	1.78	0.74	1.31	1.13	1.18	1.60	2.44	3.57	4.32	27
1927	Wet	2.89	3.51	2.70	1.55	0.56	1.77	1.71	2.08	3.06	4.68	6.70	7.39	39
1928	Above Normal	4.60	5.12	3.94	2.86	1.26	1.59	1.72	1.96	2.83	4.53	6.39	6.65	43
1929	Critical	4.19	4.81	3.86	2.93	1.34	1.44	1.24	1.29	1.65	2.37	3.13	3.54	32
1930	Dry	2.30	3.03	2.40	1.20	0.41	1.36	1.25	1.33	1.80	2.71	3.95	4.68	26
1931	Critical	3.06	3.90	3.43	2.31	1.04	1.76	1.46	1.48	1.67	2.08	2.54	2.85	28
1932	Dry	1.82	2.43	1.87	0.85	0.30	1.16	1.03	1.04	1.26	1.80	2.44	2.70	19
1933	Critical	1.61	2.00	1.68	1.00	0.40	0.97	0.80	0.78	0.92	1.32	1.85	2.26	16
1934	Critical	1.45	1.99	1.65	0.82	0.28	1.09	0.96	1.01	1.28	1.88	2.58	3.03	18
1935	Below Normal	2.01	2.56	2.12	1.16	0.40	0.92	0.87	1.42	2.07	3.03	4.23	4.66	25
1936	Below Normal	2.97	3.77	3.34	2.20	0.79	1.44	1.36	1.45	2.11	3.23	4.44	4.93	32
1937	Below Normal	3.14	3.89	3.41	2.42	0.94	1.33	1.24	1.25	1.65	2.54	3.75	4.31	30
1938	Wet	2.71	3.13	2.35	1.57	0.70	1.88	1.93	1.94	2.38	3.28	4.77	5.29	32
1939	Dry	3.11	3.28	2.55	2.24	1.25	1.36	1.42	1.67	2.34	3.52	4.87	5.25	33
1940	Above Normal	3.26	4.08	3.81	2.78	1.03	1.70	1.66	2.13	3.16	4.98	6.95	7.53	43
1941	Wet	4.70	5.22	4.08	2.95	1.26	1.77	1.66	1.91	2.61	4.15	6.22	6.85	43
1942	Wet	4.04	4.26	3.19	2.35	1.14	1.84	1.83	2.00	2.59	3.85	5.66	6.03	39
1943	Wet	3.54	3.70	2.76	2.15	1.10	1.84	1.82	2.10	3.22	5.13	7.45	8.22	43
1944	Dry	5.08	5.69	4.65	3.70	1.64	1.62	1.60	1.89	2.67	3.73	4.89	5.23	42
1945	Below Normal	3.26	3.75	2.85	1.96	0.80	1.56	1.92	2.49	3.62	5.20	6.88	7.31	42
1946	Below Normal	4.52	5.03	3.78	2.69	1.39	2.15	2.20	2.69	3.85	5.30	6.49	6.71	47
1947	Dry	4.03	4.47	3.46	2.55	1.15	1.45	1.41	1.75	2.68	3.83	4.97	5.32	37
1948	Below Normal	3.33	3.95	3.51	2.67	1.19	1.77	1.78	2.51	3.63	5.09	6.58	6.98	43
1949	Dry	4.21	4.96	4.24	3.39	1.66	1.94	2.14	2.67	3.97	5.58	7.08	7.59	49
1950	Below Normal	4.76	5.56	4.66	3.42	1.34	1.43	1.29	1.39	1.87	2.73	3.84	4.20	36
1951	Above Normal	2.54	2.83	2.14	1.49	0.68	1.77	1.79	2.33	3.46	5.41	7.45	7.75	40
1952	Wet	4.75	5.28	4.01	2.91	1.26	1.91	1.90	1.95	2.40	3.25	4.43	4.70	39
1953	Wet	2.80	3.04	2.53	2.32	1.30	1.85	1.70	2.12	2.94	4.14	5.78	6.43	37
1954	Above Normal	3.91	4.31	3.34	2.50	1.14	1.82	1.73	2.12	3.19	5.08	7.07	7.54	44
1955	Dry	4.71	5.24	4.02	2.86	1.32	1.71	1.63	1.70	2.25	3.30	4.61	5.24	39
1956	Wet	3.37	3.95	2.85	1.70	0.71	1.84	1.74	1.96	2.50	3.67	5.46	5.95	36
1957	Above Normal	3.48	3.93	3.35	2.65	1.27	1.99	1.99	2.64	3.65	5.33	7.04	7.28	45
1958	Wet	4.30	4.40	3.20	2.35	1.14	1.87	1.82	1.98	2.47	3.48	4.93	5.25	37
1959	Below Normal	3.10	3.30	2.67	2.40	1.31	1.85	2.03	2.52	3.64	5.12	6.51	6.98	41
1960	Dry	4.58	5.66	5.01	4.07	1.81	1.53	1.65	1.86	2.43	3.38	4.39	4.68	41
1961	Dry	2.95	3.60	2.75	1.68	0.64	1.36	1.69	2.05	3.14	4.69	6.19	6.53	37
1962	Below Normal	4.21	5.11	4.05	3.06	1.31	1.73	1.75	2.37	3.75	5.37	6.87	7.15	47
1963	Wet	4.25	4.58	3.51	2.57	1.14	1.86	1.75	2.16	3.15	4.91	7.06	7.79	45
1964	Dry	4.77	5.18	4.06	3.03	1.51	2.10	2.19	2.47	3.29	4.24	5.08	5.21	43
1965	Wet	3.24	3.66	2.62	1.68	0.73	1.48	1.45	1.99	2.88	4.36	6.29	6.80	37
1966	Below Normal	4.04	4.27	3.05	2.17	1.05	1.77	1.77	2.29	3.50	5.21	6.85	7.30	43
1967	Wet	4.60	5.14	3.88	2.71	1.18	1.92	1.93	1.97	2.45	3.20	4.22	4.52	38
1968	Below Normal	2.68	2.82	2.31	2.16	1.24	1.77	1.83	2.38	3.45	4.96	6.41	6.96	39
1969	Wet	4.53	5.16	3.98	2.73	1.14	1.88	1.95	1.94	2.38	3.20	4.45	4.86	38
1970	Wet	2.88	2.96	2.33	2.16	1.24	1.62	1.73	2.12	3.20	4.98	6.98	7.59	40
1971	Wet	4.66	5.06	3.85	2.82	1.47	2.30	2.28	2.78	3.88	5.47	7.08	7.37	49
1972	Below Normal	4.40	4.98	4.01	2.88	1.33	2.21	2.07	2.41	3.46	5.05	6.56	6.75	46
1973	Above Normal	4.13	4.36	3.04	2.17	1.06	1.70	1.77	2.22	3.21	4.74	6.32	6.74	41
1974	Wet	4.21	4.61	3.43	2.42	1.09	1.84	1.80	2.10	3.04	4.68	6.55	6.84	43
1975	Wet	4.03	4.27	3.24	2.46	1.21	1.72	1.70	2.01	2.74	4.10	5.75	6.00	39
1976	Critical	3.52	3.71	2.79	2.12	1.07	1.35	1.25	1.40	1.83	2.67	3.73	4.30	30
1977	Critical	2.80	3.63	3.26	2.31	1.08	2.26	1.91	1.83	2.01	2.46	2.89	3.14	30
1978	Above Normal	1.96	2.58	2.07	1.03	0.35	1.88	1.86	1.98	2.62	4.13	6.49	7.48	34
1979	Below Normal	4.77	5.35	4.51	3.71	1.62	1.65	1.85	2.24	3.09	4.49	6.37	7.23	47
1980	Above Normal	4.52	4.98	3.75	2.66	1.14	1.85	1.84	1.98	2.74	4.07	5.64	5.98	41
1981	Dry	3.68	4.25	3.37	2.58	1.23	1.77	1.77	2.33	3.50	5.20	7.03	7.51	44
1982	Wet	4.72	5.31	3.97	2.90	1.27	1.91	1.88	1.96	2.44	3.55	5.15	5.45	41
1983	Wet	3.19	3.19	2.46	2.22	1.24	1.86	1.95	1.94	2.36	2.96	3.68	3.74	31
1984	Wet	2.21	2.40	2.08	2.11	1.24	1.77	1.80	2.32	3.56	5.32	7.08	7.53	39
1985	Dry	4.58	4.95	3.76	2.79	1.33	1.92	2.46	3.26	4.68	6.36	7.76	7.85	52
1986	Wet	4.80	5.49	4.29	3.05	1.23	1.47	1.55	1.50	1.82	2.89	4.54	4.79	37
1987	Dry	2.86	3.31	2.72	2.15	1.04	1.42	1.48	1.77	2.48	3.60	4.93	5.46	33
1988	Critical	3.47	4.21	3.37	2.24	1.04	1.92	1.74	1.79	2.23	3.01	3.84	4.35	33
1989	Dry	2.86	3.62	3.00	1.82	0.74	1.15	1.50	1.77	2.56	3.69	4.88	5.29	33
1990	Critical	3.31	4.08	3.66	2.59	1.09	1.30	1.01	1.00	1.14	1.57	2.00	2.30	25
1991	Critical	1.49	2.06	1.91	1.16	0.44	1.76	1.33	1.34	1.65	2.29	3.01	3.48	22
1992	Critical	2.21	2.88	2.62	1.79	0.65	1.47	1.34	1.49	2.13	3.30	4.82	5.58	30
1993	Above Normal	3.66	4.61	3.89	2.52	0.97	1.67	1.62	2.05	2.77	3.94	5.81	6.57	40
1994	Critical	4.01	4.71	4.01	3.20	1.51	2.72	2.94	3.45	4.93	6.62	7.83	7.79	54
1995	Wet	4.91	5.88	4.83	3.51	1.47	2.03	1.92	1.96	2.46	3.25	4.30	4.61	41
1996	Wet	2.74	2.95	2.38	2.16	1.24	1.84	1.76	1.94	2.79	4.55	6.67	7.19	38
1997	Wet	4.52	5.08	3.73	2.70	1.21	1.82	1.72	1.97	2.80	4.31	6.14	6.76	43
1998	Wet	4.25	4.75	3.50	2.45	1.08	1.86	1.95	1.96	2.45	3.20	4.18	4.45	36
1999	Wet	2.62	2.82	2.33	2.17	1.24	1.77	1.69	2.00	2.91	4.45	6.35	6.81	37
2000	Above Normal	4.19	4.67	3.70	2.75	1.16	1.79	1.75	2.30	3.50	5.39	7.39	7.90	46
2001	Dry	4.93	5.49	4.39	3.30	1.38	1.46	1.29	1.39	1.96	3.06	4.39	5.05	38
2002	Dry	3.31	3.97	2.96	1.72	0.78	1.86	1.99	2.48	3.67	5.31	6.81	7.12	42
2003	Above Normal	4.55	5.65	4.60	3.30	1.69	2.74	2.47	2.95	4.08	5.67	7.05	7.11	52
Average		4	4	3	2	1	2	2	2	3	4	5	6	38
Wet		4	4	3	2	1	2	2	2	3	4	6	6	39
Above Normal		4	4	4	3	1	2	2	2	3	5	7	7	43
Below Normal		4	4	3	3	1	2	2	2	3	4	6	6	40
Dry		4	4	3	2	1	2	2	2	3	4	5	6	37
Critical		3	4	3	2	1	2	1	2	2	3	3	4	29

Difference in Energy Use (GWh) At Pumping Plant at San Felipe: CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1927	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1932	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1935	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1940	Above Norma	0	0	0	0	0	0	0	0	0	1	1	1	0
1941	Wet	1	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1945	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1946	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1947	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1948	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1949	Dry	0	0	0	0	0	0	0	0	0	1	1	0	0
1950	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1951	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1961	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1963	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1965	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1966	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Below Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Dry		0	0	0	0	0	0	0	0	0	0	0	0	0
Critical		0	0	0	0	0	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at San Felipe: CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1923	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1924	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1925	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	-1%
1926	Dry	-1%	0%	0%	-1%	-1%	0%	-1%	-1%	-1%	-1%	-1%	-2%
1927	Wet	-2%	-2%	-2%	-2%	-2%	1%	0%	1%	1%	1%	1%	0%
1928	Above Norma	0%	0%	0%	0%	0%	2%	-1%	-1%	-1%	0%	0%	0%
1929	Critical	0%	0%	-1%	-1%	-1%	-2%	-2%	-3%	-3%	-2%	-2%	-2%
1930	Dry	-2%	-2%	-2%	-3%	-3%	0%	0%	0%	0%	-5%	-6%	-3%
1931	Critical	-2%	-2%	-1%	-2%	-3%	-1%	-1%	-1%	1%	1%	1%	1%
1932	Dry	1%	1%	1%	2%	1%	-1%	-2%	-2%	-3%	-3%	-4%	-4%
1933	Critical	-5%	-5%	-6%	-7%	-5%	0%	0%	0%	0%	0%	-1%	-1%
1934	Critical	-2%	-2%	-3%	-2%	0%	-1%	-2%	-2%	-3%	-3%	-3%	-3%
1935	Below Norma	-3%	-3%	-3%	-4%	-4%	-1%	-2%	0%	0%	0%	0%	0%
1936	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1937	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	-1%	-1%	-1%	-1%
1938	Wet	-1%	-1%	-1%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	1%	1%	1%	-1%	-3%	-8%	-11%	-13%	-10%	-7%	-7%
1940	Above Norma	-7%	-6%	-5%	-9%	-11%	1%	1%	9%	10%	12%	14%	15%
1941	Wet	14%	11%	8%	11%	12%	-6%	-2%	-3%	-2%	-1%	-1%	-2%
1942	Wet	-4%	-4%	-5%	-5%	-2%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1944	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1945	Below Norma	0%	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%
1946	Below Norma	0%	0%	0%	0%	0%	-1%	-1%	-1%	0%	-3%	-5%	-4%
1947	Dry	-4%	-4%	-3%	-3%	-2%	-1%	-3%	-4%	-5%	-5%	-5%	-4%
1948	Below Norma	-4%	-3%	-3%	-6%	-7%	-2%	-1%	0%	0%	0%	0%	0%
1949	Dry	-1%	-2%	-1%	1%	2%	2%	2%	10%	10%	11%	9%	7%
1950	Below Norma	5%	5%	7%	9%	10%	1%	-1%	-2%	-4%	-4%	-3%	-3%
1951	Above Norma	-5%	-8%	-6%	-3%	-2%	0%	0%	-2%	-4%	-3%	-1%	-1%
1952	Wet	-1%	-2%	-2%	-2%	-2%	-1%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1955	Dry	0%	0%	0%	0%	0%	1%	1%	1%	0%	-1%	-1%	0%
1956	Wet	1%	1%	2%	2%	1%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norma	0%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1958	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1960	Dry	0%	0%	0%	0%	0%	0%	0%	1%	3%	2%	0%	0%
1961	Dry	0%	0%	-1%	-1%	-1%	0%	-1%	-1%	-1%	2%	1%	1%
1962	Below Norma	-1%	-3%	-5%	-4%	-4%	-1%	-3%	-4%	-1%	2%	3%	3%
1963	Wet	3%	2%	2%	2%	2%	-4%	-4%	-4%	-3%	-1%	0%	0%
1964	Dry	0%	0%	0%	0%	1%	2%	3%	4%	5%	4%	1%	0%
1965	Wet	0%	0%	0%	1%	1%	0%	0%	0%	-3%	-4%	-3%	-2%
1966	Below Norma	-3%	-4%	-5%	-3%	-1%	0%	-1%	-1%	-1%	-1%	0%	0%
1967	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1968	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1969	Wet	0%	-1%	-1%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1972	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%
1973	Above Norma	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1977	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1978	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1979	Below Norma	0%	0%	0%	0%	0%	-4%	0%	3%	3%	3%	4%	5%
1980	Above Norma	6%	6%	6%	6%	5%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1982	Wet	-1%	-1%	-1%	-1%	-1%	-1%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	-1%	4%	4%	5%	6%	6%	6%
1986	Wet	7%	7%	7%	8%	9%	-2%	-2%	-2%	-2%	-3%	-3%	-3%
1987	Dry	-3%	-3%	-4%	-3%	-3%	-1%	-1%	-1%	-1%	-1%	-1%	-1%
1988	Critical	-1%	0%	0%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%
1989	Dry	0%	0%	-2%	-3%	-5%	-6%	-6%	-6%	-4%	-1%	1%	0%
1990	Critical	-1%	-1%	0%	1%	2%	0%	0%	0%	1%	0%	0%	1%
1991	Critical	1%	1%	1%	0%	1%	1%	1%	2%	2%	3%	3%	3%
1992	Critical	4%	4%	4%	4%	5%	2%	1%	2%	2%	2%	1%	0%
1993	Above Norma	0%	0%	1%	2%	2%	0%	0%	0%	0%	-1%	-1%	-1%
1994	Critical	-1%	-1%	-1%	-1%	-1%	0%	0%	0%	0%	0%	0%	1%
1995	Wet	0%	-1%	-1%	-1%	-1%	-1%	0%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	-1%	0%
1997	Wet	0%	-1%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%	0%
1998	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2001	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2002	Dry	0%	0%	-1%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%
2003	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Average		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Wet		1%	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%
Above Norma		0%	-1%	0%	0%	-1%	0%	1%	0%	1%	1%	1%	1%
Below Norma		0%	-1%	-1%	-1%	-1%	-1%	-1%	0%	0%	0%	0%	0%
Dry		-1%	-1%	-1%	-1%	-1%	-1%	-1%	0%	0%	0%	0%	0%
Critical		-1%	-1%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%	0%

Difference in Energy Use (GWh) At Pumping Plant at San Luis Other: CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1927	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1932	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1935	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	-1	-1	-2	-2	-1	0	-1
1940	Above Norma	0	0	0	-1	-1	0	1	2	2	0	0	0	0
1941	Wet	0	0	0	1	1	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1945	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1946	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1947	Dry	0	0	0	0	0	0	-1	-1	-1	-1	0	0	0
1948	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1949	Dry	0	0	0	0	0	0	1	1	1	1	1	0	0
1950	Below Norma	0	0	0	0	1	0	0	0	0	0	0	0	0
1951	Above Norma	0	0	0	0	0	0	0	0	0	2	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1961	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Norma	0	0	0	0	0	0	0	0	1	1	1	0	0
1963	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1965	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1966	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	Below Norma	0	0	0	0	0	0	0	1	1	0	0	0	0
1980	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	1	1	1	1	0	0	0
1986	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	Dry	0	0	0	0	0	0	0	1	1	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Below Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Dry		0	0	0	0	0	0	0	0	0	0	0	0	0
Critical		0	0	0	0	0	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at San Luis Other: CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1923	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1924	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1925	Dry	0%	0%	0%	0%	0%	0%	0%	-1%	-1%	-1%	-1%	-1%
1926	Dry	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%
1927	Wet	-1%	-1%	-1%	-1%	-1%	1%	0%	0%	0%	0%	0%	0%
1928	Above Norm	0%	0%	0%	0%	0%	3%	0%	0%	0%	0%	0%	0%
1929	Critical	0%	0%	0%	0%	0%	-3%	-3%	-3%	-3%	-3%	-3%	-3%
1930	Dry	-3%	-3%	-3%	-4%	-4%	-2%	-2%	-2%	-2%	-2%	-2%	-2%
1931	Critical	-2%	-2%	-2%	-2%	-2%	0%	0%	0%	0%	0%	0%	0%
1932	Dry	0%	0%	0%	0%	0%	-4%	-4%	-4%	-5%	-5%	-4%	-3%
1933	Critical	-4%	-4%	-5%	-5%	-5%	0%	0%	0%	0%	0%	0%	0%
1934	Critical	0%	0%	0%	0%	0%	-5%	-5%	-5%	-5%	-5%	-5%	-4%
1935	Below Norm	-4%	-5%	-5%	-6%	-6%	0%	-6%	0%	0%	0%	0%	0%
1936	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1937	Below Norm	0%	0%	0%	0%	0%	-1%	0%	-1%	-2%	-2%	-2%	-1%
1938	Wet	-1%	-1%	-2%	-2%	-2%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	0%	-11%	-13%	-13%	-14%	-14%	-13%	-12%
1940	Above Norm	-12%	-13%	-14%	-14%	-14%	5%	4%	13%	13%	13%	3%	12%
1941	Wet	12%	12%	13%	13%	13%	-6%	0%	0%	0%	0%	0%	0%
1942	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1944	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1945	Below Norm	0%	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%
1946	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1947	Dry	0%	0%	0%	0%	0%	-4%	-9%	-9%	-10%	-10%	-9%	-9%
1948	Below Norm	-9%	-9%	-10%	-10%	-10%	-6%	-1%	0%	0%	0%	0%	0%
1949	Dry	0%	0%	0%	0%	0%	6%	0%	8%	8%	8%	8%	7%
1950	Below Norm	8%	8%	8%	8%	8%	-4%	-3%	-3%	-3%	-3%	-3%	-3%
1951	Above Norm	-3%	-3%	-3%	-3%	-3%	0%	0%	0%	0%	0%	15%	0%
1952	Wet	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1955	Dry	0%	0%	0%	0%	0%	-1%	-1%	-1%	-1%	-1%	-1%	-1%
1956	Wet	-1%	-1%	-1%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1958	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1960	Dry	0%	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%
1961	Dry	0%	0%	0%	0%	0%	0%	-1%	-1%	-1%	-1%	-1%	-1%
1962	Below Norm	-1%	-1%	-1%	-1%	-1%	6%	6%	6%	6%	6%	6%	5%
1963	Wet	6%	6%	6%	6%	6%	-1%	0%	0%	0%	0%	0%	0%
1964	Dry	0%	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%	1%
1965	Wet	1%	1%	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%
1966	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1968	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1969	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1972	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1973	Above Norm	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1977	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1978	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1979	Below Norm	0%	0%	0%	0%	0%	-5%	0%	3%	3%	3%	3%	3%
1980	Above Norm	3%	3%	3%	3%	3%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1982	Wet	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	7%	6%	7%	7%	7%	6%
1986	Wet	6%	6%	7%	7%	7%	-4%	-2%	-2%	-2%	-2%	-2%	-2%
1987	Dry	-2%	-2%	-2%	-2%	-2%	-1%	-2%	-2%	-2%	-2%	-2%	-2%
1988	Critical	-2%	-2%	-2%	-2%	-2%	0%	0%	0%	0%	0%	0%	0%
1989	Dry	0%	0%	0%	0%	0%	0%	5%	5%	5%	5%	5%	4%
1990	Critical	5%	5%	5%	5%	5%	0%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%
1992	Critical	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%
1993	Above Norm	1%	1%	1%	1%	1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%
1994	Critical	-1%	-1%	-1%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%
1995	Wet	0%	0%	0%	0%	0%	1%	1%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1998	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2001	Dry	0%	0%	0%	0%	0%	0%	-1%	-1%	-1%	-1%	-1%	-1%
2002	Dry	-1%	-1%	-1%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%
2003	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Average		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Wet		1%	1%	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%
Above Norm		-1%	-1%	-1%	-1%	-1%	1%	0%	1%	1%	1%	1%	1%
Below Norm		0%	0%	-1%	-1%	-1%	-1%	0%	0%	0%	0%	0%	0%
Dry		0%	0%	0%	0%	0%	-1%	-1%	-1%	-1%	-1%	-1%	-1%
Critical		0%	0%	0%	0%	0%	-1%	-1%	-1%	-1%	-1%	-1%	0%

Difference in Energy Use (GWh) At Pumping Plant at System Total: CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	0	0	0	0	0	-1	-1	2	0	0
1926	Dry	0	0	1	0	-8	0	0	-1	0	0	0	11	0
1927	Wet	-7	1	0	1	-9	-10	0	-8	0	1	3	0	-2
1928	Above Norma	0	0	0	0	0	6	0	0	0	-2	1	0	0
1929	Critical	0	0	0	0	0	0	0	1	-2	0	0	0	0
1930	Dry	0	0	0	1	-10	0	0	-1	-1	23	-18	-9	-1
1931	Critical	-4	2	2	0	-6	0	0	0	0	-1	1	0	0
1932	Dry	-17	-15	0	-1	50	0	0	0	0	-1	0	0	1
1933	Critical	0	1	-10	-1	-1	0	0	0	0	0	0	15	0
1934	Critical	2	4	0	-21	0	0	0	0	0	-1	0	-3	-2
1935	Below Norma	0	0	1	1	0	-7	-1	0	0	0	1	0	0
1936	Below Norma	0	0	1	0	-2	0	0	0	0	0	0	0	0
1937	Below Norma	0	0	0	0	0	0	-1	0	0	0	0	0	0
1938	Wet	2	0	0	-7	0	0	0	0	0	0	0	0	0
1939	Dry	-4	0	0	0	17	-13	-1	5	-12	-24	-16	1	-4
1940	Above Norma	0	3	0	1	3	0	0	3	4	7	1	0	2
1941	Wet	-1	0	0	-1	16	50	0	0	0	0	0	0	5
1942	Wet	2	1	1	2	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	0	-1	0	0	0
1945	Below Norma	0	0	0	0	-1	0	0	-3	0	0	0	0	0
1946	Below Norma	0	0	0	0	2	0	0	0	0	29	-7	-12	1
1947	Dry	1	4	1	1	1	-29	-1	-2	-10	-13	-9	-2	-5
1948	Below Norma	0	2	2	2	-15	0	0	0	0	0	0	0	-1
1949	Dry	2	1	0	0	0	0	0	2	3	6	22	0	3
1950	Below Norma	4	0	-1	-1	-2	30	0	18	-1	-10	-1	1	3
1951	Above Norma	53	2	-44	-29	-1	0	0	20	7	-9	4	0	0
1952	Wet	-4	1	0	1	1	-9	0	0	0	0	0	0	-1
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	-49	1	0	6	9	6	0	-2
1956	Wet	0	0	-1	-1	-2	0	0	-1	0	0	0	0	0
1957	Above Norma	-2	0	0	6	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	-3	0	0	-12	-2	7	6	0	0
1961	Dry	0	0	5	0	0	-6	0	0	0	-2	-36	29	-1
1962	Below Norma	7	40	1	-4	1	1	0	-4	2	-3	7	2	4
1963	Wet	1	4	0	0	12	6	0	0	0	2	0	0	2
1964	Dry	0	0	0	0	0	0	1	-15	-8	11	8	-3	0
1965	Wet	1	0	0	0	3	0	0	0	0	0	0	0	0
1966	Below Norma	2	1	1	1	0	0	0	0	0	-2	0	0	0
1967	Wet	0	6	0	0	0	-4	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	6	1	0	0	0	-9	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	0	0	3	0	0	0	0
1973	Above Norma	0	0	0	0	0	-6	0	0	0	0	2	0	0
1974	Wet	0	0	0	0	-2	-1	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	-1	0	0	0	0	0	0	0	0	0
1978	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	Below Norma	0	0	0	0	0	-2	0	1	1	1	2	0	0
1980	Above Norma	-1	-3	-1	-1	28	0	0	0	0	0	0	0	2
1981	Dry	0	0	0	0	0	0	0	0	0	0	2	0	0
1982	Wet	8	1	0	0	0	-13	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	47	1	2	-4	3	8	0	5
1986	Wet	0	-1	0	-1	-2	22	-1	0	-1	-1	-1	0	1
1987	Dry	0	0	1	-14	-1	0	0	-1	-2	-2	-2	0	-2
1988	Critical	1	1	0	0	-3	0	0	0	0	0	0	0	0
1989	Dry	0	0	36	1	23	2	3	0	-7	-9	-7	1	4
1990	Critical	2	1	10	0	-10	0	0	0	0	-3	0	0	0
1991	Critical	0	0	2	4	-2	0	0	0	0	0	0	0	0
1992	Critical	-1	-2	0	0	-1	3	0	1	1	0	1	0	0
1993	Above Norma	1	2	-6	0	-1	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	-2	0	0	0	0	0	0	-13	-1
1995	Wet	20	0	1	0	0	0	-9	0	0	0	0	0	1
1996	Wet	0	0	0	0	0	0	0	0	2	0	0	0	0
1997	Wet	0	0	0	0	-6	0	0	2	0	-1	0	0	0
1998	Wet	1	0	0	0	-3	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	-1	0	-1	0
2002	Dry	-1	5	0	0	-3	0	0	0	0	0	1	0	0
2003	Above Norma	0	0	0	0	2	0	0	0	0	0	0	0	0
Average		1	1	0	-1	1	0	0	0	0	0	0	0	0
Wet		1	1	0	0	0	1	0	0	0	0	0	0	0
Above Norma		4	0	-4	-2	3	0	0	2	1	0	1	0	0
Below Norma		1	3	0	0	-1	2	0	1	0	1	0	-1	1
Dry		-1	0	2	-1	4	-3	0	-1	-2	0	-2	2	0
Critical		0	1	0	-2	-2	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at System Total: CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1923	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1924	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1925	Dry	0%	0%	0%	0%	0%	0%	0%	0%	-1%	-1%	4%	0%
1926	Dry	0%	0%	1%	0%	-5%	0%	-2%	-1%	0%	0%	0%	29%
1927	Wet	-13%	1%	0%	0%	-5%	-14%	0%	-10%	0%	1%	2%	0%
1928	Above Norma	0%	0%	0%	0%	0%	7%	0%	0%	0%	-2%	1%	0%
1929	Critical	0%	0%	0%	0%	0%	1%	-1%	3%	-5%	-1%	-1%	0%
1930	Dry	0%	0%	0%	0%	-7%	-1%	0%	-1%	-3%	42%	-32%	-11%
1931	Critical	-5%	2%	2%	0%	-20%	1%	0%	0%	0%	-1%	3%	0%
1932	Dry	-21%	-19%	0%	0%	216%	-1%	-1%	-1%	-1%	-1%	0%	0%
1933	Critical	0%	1%	-14%	-3%	-2%	0%	0%	0%	0%	0%	0%	22%
1934	Critical	3%	8%	0%	-27%	0%	-1%	-1%	-1%	-1%	-1%	-2%	-8%
1935	Below Norma	1%	0%	1%	0%	1%	-8%	-2%	0%	0%	0%	1%	0%
1936	Below Norma	0%	0%	1%	0%	-5%	0%	0%	0%	0%	0%	0%	0%
1937	Below Norma	0%	0%	0%	0%	0%	0%	0%	-1%	-1%	-1%	0%	0%
1938	Wet	2%	0%	0%	-12%	-1%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	-3%	0%	0%	0%	23%	-20%	-3%	7%	-15%	-23%	-18%	1%
1940	Above Norma	0%	3%	0%	1%	2%	0%	1%	4%	4%	7%	1%	0%
1941	Wet	0%	0%	0%	-1%	12%	79%	0%	0%	0%	0%	0%	0%
1942	Wet	2%	0%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1944	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	0%	0%
1945	Below Norma	0%	0%	0%	0%	-1%	0%	0%	-3%	0%	0%	0%	0%
1946	Below Norma	0%	0%	0%	0%	3%	0%	0%	0%	0%	25%	-5%	-14%
1947	Dry	1%	3%	0%	0%	0%	-35%	-2%	-4%	-11%	-12%	-10%	-1%
1948	Below Norma	0%	2%	2%	1%	-10%	1%	0%	0%	0%	0%	0%	0%
1949	Dry	2%	1%	0%	0%	0%	-1%	0%	3%	3%	4%	18%	0%
1950	Below Norma	4%	0%	-1%	-1%	-1%	40%	0%	34%	-1%	-12%	-1%	1%
1951	Above Norma	77%	1%	-26%	-48%	-3%	0%	0%	28%	7%	-8%	2%	0%
1952	Wet	-3%	1%	0%	0%	0%	-6%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1955	Dry	0%	0%	0%	0%	0%	-49%	2%	0%	9%	9%	13%	0%
1956	Wet	0%	0%	0%	-1%	-1%	0%	0%	-1%	0%	0%	0%	0%
1957	Above Norma	-2%	0%	0%	5%	0%	0%	0%	0%	0%	0%	0%	0%
1958	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1960	Dry	0%	0%	0%	0%	-2%	0%	0%	-17%	-3%	9%	8%	0%
1961	Dry	0%	0%	4%	0%	0%	-10%	0%	0%	0%	-2%	-24%	37%
1962	Below Norma	17%	49%	1%	-2%	1%	0%	1%	-6%	2%	-2%	5%	1%
1963	Wet	0%	3%	0%	0%	8%	8%	0%	0%	0%	2%	0%	0%
1964	Dry	0%	0%	0%	0%	0%	0%	3%	-20%	-10%	11%	10%	-2%
1965	Wet	1%	0%	0%	0%	3%	0%	0%	0%	0%	0%	0%	0%
1966	Below Norma	1%	0%	1%	1%	0%	0%	0%	0%	0%	-1%	0%	0%
1967	Wet	0%	5%	0%	0%	0%	-3%	0%	0%	0%	0%	0%	0%
1968	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1969	Wet	7%	0%	0%	0%	0%	-8%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1972	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	4%	0%	0%	0%
1973	Above Norma	0%	0%	0%	0%	0%	-4%	0%	0%	0%	0%	1%	0%
1974	Wet	0%	0%	0%	0%	-2%	-1%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%
1977	Critical	0%	0%	0%	-1%	1%	0%	0%	0%	0%	0%	0%	0%
1978	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1979	Below Norma	0%	0%	0%	0%	0%	-3%	0%	1%	1%	1%	1%	0%
1980	Above Norma	-1%	-2%	-1%	-1%	30%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%
1982	Wet	11%	1%	0%	0%	0%	-9%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	55%	2%	2%	-5%	2%	5%	0%
1986	Wet	0%	-1%	0%	-1%	-1%	49%	-2%	0%	-1%	-2%	0%	0%
1987	Dry	0%	0%	0%	-19%	-2%	0%	0%	-2%	-2%	-2%	-3%	0%
1988	Critical	1%	0%	0%	0%	-6%	0%	0%	0%	0%	0%	0%	0%
1989	Dry	0%	0%	46%	1%	104%	1%	4%	0%	-8%	-8%	-8%	1%
1990	Critical	3%	1%	10%	0%	-15%	0%	0%	0%	0%	-5%	0%	0%
1991	Critical	0%	0%	2%	7%	-3%	0%	0%	0%	0%	0%	0%	-1%
1992	Critical	-1%	-2%	0%	-1%	-1%	5%	0%	1%	1%	0%	2%	0%
1993	Above Norma	1%	4%	-5%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	0%	-2%	0%	0%	0%	0%	0%	0%	-11%
1995	Wet	37%	0%	1%	0%	0%	0%	-10%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	0%	0%	0%	0%	0%	0%	2%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	-3%	0%	0%	3%	0%	-1%	0%	0%
1998	Wet	1%	0%	0%	0%	-2%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2001	Dry	0%	0%	0%	0%	0%	0%	0%	0%	-1%	-1%	0%	-1%
2002	Dry	-1%	4%	0%	0%	-9%	0%	0%	0%	0%	0%	0%	0%
2003	Below Norma	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%
Average		1%	1%	0%	-1%	4%	1%	0%	0%	0%	0%	0%	1%
Wet		2%	0%	0%	0%	0%	4%	0%	0%	0%	0%	0%	0%
Above Norma		6%	0%	-3%	-4%	3%	0%	3%	1%	0%	0%	0%	0%
Below Norma		2%	4%	0%	0%	-1%	2%	0%	2%	0%	1%	0%	-1%
Dry		-1%	-1%	3%	-1%	18%	-3%	0%	-2%	-3%	2%	-2%	3%
Critical		0%	1%	0%	-2%	-4%	0%	0%	0%	0%	-1%	0%	0%

Energy Use (GWh) At Pumping Plant at Tehama Other: CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	0.24	0.00	0.00	0.00	0.00	0.01	1.51	1.66	2.56	2.91	2.34	0.52	12
1923	Below Normal	0.19	0.00	0.00	0.00	0.00	0.21	0.83	1.18	1.87	2.20	1.76	0.01	8
1924	Critical	0.36	0.01	0.00	0.00	0.00	0.06	0.15	0.44	0.31	0.63	0.99	0.22	3
1925	Dry	0.14	0.00	0.00	0.00	0.00	0.00	0.23	0.29	1.26	1.59	1.27	0.00	5
1926	Dry	0.36	0.00	0.00	0.00	0.00	0.02	0.08	0.05	0.67	0.76	0.60	0.27	3
1927	Wet	0.18	0.00	0.00	0.00	0.00	0.01	1.24	2.12	2.43	3.07	2.47	0.57	12
1928	Above Normal	0.16	0.00	0.00	0.00	0.00	0.00	0.52	1.03	1.83	2.10	1.69	0.23	8
1929	Critical	0.40	0.00	0.00	0.00	0.00	0.01	0.21	0.30	0.26	0.37	0.30	0.13	2
1930	Dry	0.19	0.05	0.00	0.00	0.00	0.00	0.20	0.21	0.90	1.02	0.82	0.00	3
1931	Critical	0.25	0.04	0.00	0.00	0.00	0.07	0.19	0.47	0.34	0.69	1.04	0.24	3
1932	Dry	0.16	0.04	0.00	0.00	0.00	0.01	0.31	0.64	0.58	0.97	1.27	0.34	4
1933	Critical	0.20	0.05	0.00	0.00	0.00	0.05	0.16	0.44	0.31	0.64	1.00	0.22	3
1934	Critical	0.15	0.04	0.00	0.00	0.00	0.00	0.25	0.60	0.50	0.86	1.18	0.30	4
1935	Below Normal	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.27	1.06	1.20	0.97	0.01	4
1936	Below Normal	0.23	0.00	0.00	0.00	0.00	0.00	0.46	0.59	1.19	1.63	1.31	0.05	5
1937	Below Normal	0.35	0.02	0.00	0.00	0.00	0.00	0.00	0.43	0.96	1.18	0.95	0.01	4
1938	Wet	0.19	0.00	0.00	0.00	0.00	0.00	0.01	1.48	3.09	3.24	2.61	0.44	11
1939	Dry	0.33	0.01	0.00	0.00	0.19	0.44	1.07	0.91	1.14	1.29	1.04	0.37	7
1940	Above Normal	0.25	0.01	0.00	0.00	0.00	0.00	0.76	1.26	2.83	3.26	2.62	0.62	12
1941	Wet	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.90	2.85	3.30	2.65	0.65	11
1942	Wet	0.21	0.00	0.00	0.00	0.00	0.00	0.00	1.19	3.08	3.29	2.65	0.62	11
1943	Wet	0.51	0.00	0.00	0.00	0.00	0.00	0.76	1.99	2.85	3.03	2.45	0.56	12
1944	Dry	0.48	0.01	0.00	0.00	0.00	0.02	0.00	0.45	1.19	1.40	1.13	0.01	5
1945	Below Normal	0.25	0.00	0.00	0.00	0.00	0.00	0.01	1.43	1.92	2.49	2.00	0.37	8
1946	Below Normal	0.15	0.04	0.00	0.00	0.00	0.04	0.89	1.61	2.28	2.56	2.08	0.88	11
1947	Dry	0.45	0.00	0.00	0.00	0.00	0.00	0.72	1.05	1.20	1.54	1.23	0.54	7
1948	Below Normal	0.15	0.00	0.00	0.00	0.03	0.04	0.15	1.03	2.21	3.30	2.65	0.55	10
1949	Dry	0.33	0.06	0.00	0.00	0.00	0.00	0.00	1.37	1.99	2.27	1.82	0.29	8
1950	Below Normal	0.46	0.00	0.00	0.00	0.00	0.01	0.62	0.49	1.01	1.17	0.94	0.01	5
1951	Above Normal	0.16	0.00	0.00	0.00	0.00	0.06	0.77	1.32	2.64	3.01	2.42	0.55	11
1952	Wet	0.15	0.00	0.00	0.00	0.00	0.00	0.12	1.69	2.46	3.05	2.48	0.57	11
1953	Wet	0.55	0.00	0.00	0.00	0.00	0.12	1.07	1.93	2.64	3.07	2.21	0.57	12
1954	Above Normal	0.45	0.00	0.00	0.00	0.00	0.00	0.01	1.58	2.76	3.20	2.34	0.61	11
1955	Dry	0.52	0.00	0.00	0.00	0.00	0.09	0.52	0.48	1.04	1.18	0.95	0.36	5
1956	Wet	0.26	0.00	0.00	0.00	0.00	0.11	0.50	1.80	2.55	3.07	2.47	0.43	11
1957	Above Normal	0.34	0.07	0.00	0.00	0.00	0.22	0.67	1.43	2.55	2.90	2.33	0.01	11
1958	Wet	0.14	0.01	0.00	0.00	0.00	0.00	0.00	1.01	2.74	3.18	2.61	0.62	10
1959	Below Normal	0.53	0.07	0.00	0.00	0.00	0.07	0.93	1.83	2.51	2.84	2.22	0.46	11
1960	Dry	0.54	0.07	0.00	0.00	0.00	0.00	0.36	0.12	0.72	0.82	0.66	0.00	3
1961	Dry	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.90	1.57	1.92	1.51	0.10	6
1962	Below Normal	0.38	0.00	0.00	0.00	0.00	0.00	0.35	1.49	2.22	2.64	2.13	0.39	10
1963	Wet	0.14	0.00	0.00	0.00	0.00	0.00	0.00	1.18	3.05	3.30	2.65	0.63	11
1964	Dry	0.24	0.00	0.00	0.00	0.00	0.12	0.86	0.95	1.00	1.21	0.97	0.37	6
1965	Wet	0.17	0.00	0.00	0.00	0.00	0.10	0.00	1.52	2.59	2.76	1.88	0.46	9
1966	Below Normal	0.52	0.00	0.00	0.00	0.00	0.07	1.64	1.71	2.41	2.73	2.20	0.44	12
1967	Wet	0.52	0.00	0.00	0.00	0.00	0.00	0.01	1.41	2.15	3.29	2.64	0.63	11
1968	Below Normal	0.53	0.04	0.00	0.00	0.00	0.00	0.28	1.45	2.10	2.70	1.94	0.44	9
1969	Wet	0.34	0.00	0.00	0.00	0.00	0.00	0.29	1.78	2.64	3.01	2.42	0.54	11
1970	Wet	0.31	0.00	0.00	0.00	0.00	0.00	0.15	1.15	1.73	2.05	1.65	0.22	7
1971	Wet	0.29	0.00	0.00	0.00	0.00	0.14	1.06	1.69	2.64	2.79	2.23	0.47	11
1972	Below Normal	0.47	0.00	0.00	0.00	0.01	0.64	0.56	1.05	1.64	1.93	1.55	0.04	8
1973	Above Normal	0.15	0.00	0.00	0.00	0.00	0.00	0.25	1.72	2.69	3.06	2.46	0.53	11
1974	Wet	0.20	0.00	0.00	0.00	0.00	0.00	0.01	2.05	2.99	2.79	2.61	0.63	11
1975	Wet	0.29	0.01	0.00	0.00	0.00	0.00	0.78	2.09	2.98	3.03	2.46	0.58	12
1976	Critical	0.17	0.01	0.00	0.00	0.18	0.27	0.35	0.43	0.47	0.54	0.40	0.16	3
1977	Critical	0.20	0.00	0.00	0.00	0.02	0.10	0.23	0.47	0.38	0.71	1.06	0.22	3
1978	Above Normal	0.16	0.00	0.00	0.00	0.00	0.00	0.03	1.87	2.87	3.25	2.61	0.39	11
1979	Below Normal	0.59	0.00	0.00	0.00	0.00	0.00	0.01	1.24	2.11	2.39	1.92	0.27	9
1980	Above Normal	0.19	0.04	0.00	0.00	0.00	0.00	0.15	1.54	2.58	3.05	2.49	0.57	11
1981	Dry	0.52	0.02	0.00	0.00	0.00	0.00	0.01	1.58	2.84	3.23	2.60	0.52	11
1982	Wet	0.17	0.00	0.00	0.00	0.00	0.00	0.01	1.47	2.52	3.30	2.65	0.16	10
1983	Wet	0.14	0.00	0.00	0.00	0.00	0.00	0.00	1.27	2.74	3.30	2.57	0.44	10
1984	Wet	0.45	0.00	0.00	0.00	0.00	0.09	0.92	1.81	2.68	2.81	2.12	0.46	11
1985	Dry	0.25	0.00	0.00	0.00	0.00	0.00	0.24	1.66	2.01	2.29	1.81	0.56	9
1986	Wet	0.39	0.00	0.00	0.00	0.00	0.00	0.48	0.91	1.97	1.97	1.58	0.04	7
1987	Dry	0.39	0.02	0.00	0.00	0.00	0.00	0.77	1.06	1.22	1.38	1.11	0.48	6
1988	Critical	0.25	0.00	0.00	0.00	0.00	0.05	0.27	0.37	0.48	0.58	0.47	0.20	3
1989	Dry	0.22	0.04	0.00	0.00	0.01	0.00	0.60	0.60	1.07	1.29	1.03	0.13	5
1990	Critical	0.18	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1991	Critical	0.14	0.04	0.00	0.00	0.00	0.00	0.20	0.69	0.66	1.07	1.35	0.32	4
1992	Critical	0.20	0.05	0.00	0.00	0.00	0.00	0.44	0.95	1.33	1.96	2.07	0.17	7
1993	Above Normal	0.16	0.05	0.00	0.00	0.00	0.00	1.04	1.22	2.34	3.27	2.63	0.64	11
1994	Critical	0.40	0.04	0.00	0.00	0.00	0.07	0.84	1.58	2.19	2.78	2.72	0.96	12
1995	Wet	0.32	0.00	0.00	0.00	0.00	0.00	0.81	1.07	2.50	3.26	2.62	0.64	11
1996	Wet	0.59	0.07	0.00	0.00	0.00	0.00	0.72	0.86	2.93	3.30	2.65	0.62	12
1997	Wet	0.22	0.04	0.00	0.00	0.00	0.13	0.94	1.52	2.37	2.60	1.94	0.85	11
1998	Wet	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.23	2.56	3.30	2.65	0.52	10
1999	Wet	0.33	0.04	0.00	0.00	0.00	0.00	0.24	1.94	2.45	3.07	2.46	0.57	11
2000	Above Normal	0.50	0.04	0.00	0.00	0.00	0.00	0.01	1.49	2.60	3.30	2.65	0.54	11
2001	Dry	0.15	0.05	0.00	0.00	0.00	0.00	0.43	0.38	0.93	1.12	0.90	0.00	4
2002	Dry	0.22	0.04	0.00	0.00	0.00	0.08	0.51	0.84	1.68	1.91	1.53	0.67	7
2003	Above Normal	0.41	0.04	0.00	0.00	0.00	0.00	0.25	1.06	2.80	3.29	2.28	0.65	11
Average		0	0	0	0	0	0	0	1	2	2	2	0	8
Wet		0	0	0	0	0	0	0	1	3	3	2	1	11
Above Normal		0	0	0	0	0	0	0	1	3	3	2	0	11
Below Normal		0	0	0	0	0	0	0	1	2	2	2	0	8
Dry		0	0	0	0	0	0	0	1	1	2	1	0	6
Critical		0	0	0	0	0	0	0	1	1	1	1	0	4

Energy Use (GWh) At Pumping Plant at Tehama Other: CP4B_2020

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	0.24	0.00	0.00	0.00	0.00	0.01	1.51	1.66	2.56	2.91	2.34	0.52	12
1923	Below Normal	0.19	0.00	0.00	0.00	0.00	0.21	0.83	1.18	1.87	2.20	1.76	0.01	8
1924	Critical	0.36	0.01	0.00	0.00	0.00	0.06	0.15	0.44	0.31	0.63	0.99	0.22	3
1925	Dry	0.14	0.00	0.00	0.00	0.00	0.00	0.23	0.29	1.25	1.58	1.26	0.00	5
1926	Dry	0.35	0.00	0.00	0.00	0.00	0.02	0.08	0.04	0.66	0.75	0.59	0.26	3
1927	Wet	0.18	0.00	0.00	0.00	0.00	0.01	1.24	2.12	2.43	3.07	2.47	0.57	12
1928	Above Normal	0.16	0.00	0.00	0.00	0.00	0.00	0.52	1.02	1.82	2.09	1.68	0.23	8
1929	Critical	0.40	0.00	0.00	0.00	0.00	0.01	0.20	0.28	0.25	0.36	0.29	0.12	2
1930	Dry	0.19	0.05	0.00	0.00	0.00	0.00	0.20	0.19	0.88	0.99	0.80	0.00	3
1931	Critical	0.25	0.04	0.00	0.00	0.00	0.07	0.19	0.47	0.34	0.69	1.04	0.24	3
1932	Dry	0.16	0.04	0.00	0.00	0.00	0.01	0.29	0.63	0.56	0.94	1.25	0.33	4
1933	Critical	0.20	0.05	0.00	0.00	0.00	0.05	0.16	0.44	0.31	0.64	1.00	0.22	3
1934	Critical	0.15	0.04	0.00	0.00	0.00	0.00	0.24	0.58	0.48	0.84	1.16	0.29	4
1935	Below Normal	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.27	1.06	1.21	0.97	0.01	4
1936	Below Normal	0.23	0.00	0.00	0.00	0.00	0.00	0.46	0.60	1.19	1.63	1.31	0.05	5
1937	Below Normal	0.35	0.02	0.00	0.00	0.00	0.00	0.00	0.42	0.95	1.16	0.93	0.01	4
1938	Wet	0.19	0.00	0.00	0.00	0.00	0.00	0.01	1.48	3.09	3.24	2.61	0.44	11
1939	Dry	0.33	0.01	0.00	0.00	0.19	0.38	0.91	0.78	0.97	1.10	0.88	0.31	6
1940	Above Normal	0.24	0.01	0.00	0.00	0.00	0.00	0.76	1.26	2.83	3.26	2.62	0.62	12
1941	Wet	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.90	2.85	3.30	2.65	0.65	11
1942	Wet	0.21	0.00	0.00	0.00	0.00	0.00	0.00	1.19	3.08	3.29	2.65	0.62	11
1943	Wet	0.51	0.00	0.00	0.00	0.00	0.00	0.76	1.99	2.85	3.03	2.45	0.56	12
1944	Dry	0.48	0.01	0.00	0.00	0.00	0.02	0.00	0.44	1.18	1.40	1.13	0.01	5
1945	Below Normal	0.25	0.00	0.00	0.00	0.00	0.00	0.01	1.41	1.91	2.47	1.98	0.36	8
1946	Below Normal	0.15	0.00	0.00	0.00	0.00	0.04	0.86	1.56	2.23	2.50	2.04	0.86	10
1947	Dry	0.45	0.00	0.00	0.00	0.00	0.00	0.65	0.94	1.07	1.38	1.10	0.48	6
1948	Below Normal	0.15	0.00	0.00	0.00	0.03	0.04	0.14	1.03	2.21	3.30	2.65	0.55	10
1949	Dry	0.33	0.06	0.00	0.00	0.00	0.00	0.00	1.37	1.99	2.26	1.81	0.28	8
1950	Below Normal	0.46	0.00	0.00	0.00	0.00	0.01	0.60	0.46	0.98	1.13	0.91	0.01	5
1951	Above Normal	0.16	0.00	0.00	0.00	0.00	0.06	0.77	1.32	2.64	3.01	2.42	0.55	11
1952	Wet	0.15	0.00	0.00	0.00	0.00	0.00	0.12	1.69	2.46	3.05	2.48	0.57	11
1953	Wet	0.55	0.00	0.00	0.00	0.00	0.12	1.07	1.93	2.64	3.07	2.21	0.57	12
1954	Above Normal	0.45	0.00	0.00	0.00	0.00	0.00	0.01	1.58	2.76	3.20	2.34	0.61	11
1955	Dry	0.52	0.00	0.00	0.00	0.00	0.09	0.52	0.47	1.03	1.18	0.94	0.36	5
1956	Wet	0.26	0.00	0.00	0.00	0.00	0.11	0.50	1.80	2.55	3.07	2.47	0.43	11
1957	Above Normal	0.34	0.07	0.00	0.00	0.00	0.22	0.67	1.43	2.55	2.90	2.33	0.01	11
1958	Wet	0.14	0.01	0.00	0.00	0.00	0.00	0.00	1.01	2.74	3.18	2.61	0.62	10
1959	Below Normal	0.53	0.07	0.00	0.00	0.00	0.07	0.93	1.83	2.51	2.84	2.22	0.46	11
1960	Dry	0.54	0.07	0.00	0.00	0.00	0.00	0.36	0.12	0.72	0.82	0.66	0.00	3
1961	Dry	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.89	1.56	1.90	1.50	0.09	6
1962	Below Normal	0.38	0.00	0.00	0.00	0.00	0.00	0.41	1.60	2.34	2.79	2.24	0.44	10
1963	Wet	0.14	0.00	0.00	0.00	0.00	0.00	0.00	1.18	3.05	3.30	2.65	0.63	11
1964	Dry	0.24	0.00	0.00	0.00	0.00	0.12	0.87	0.95	1.01	1.22	0.98	0.37	6
1965	Wet	0.17	0.00	0.00	0.00	0.00	0.10	0.00	1.52	2.59	2.76	1.88	0.46	9
1966	Below Normal	0.52	0.00	0.00	0.00	0.00	0.07	1.64	1.71	2.41	2.73	2.20	0.44	12
1967	Wet	0.52	0.00	0.00	0.00	0.00	0.00	0.01	1.41	2.15	3.29	2.64	0.63	11
1968	Below Normal	0.53	0.04	0.00	0.00	0.00	0.00	0.28	1.45	2.10	2.70	1.94	0.44	9
1969	Wet	0.34	0.00	0.00	0.00	0.00	0.00	0.29	1.78	2.64	3.01	2.42	0.54	11
1970	Wet	0.31	0.00	0.00	0.00	0.00	0.00	0.15	1.15	1.73	2.05	1.65	0.22	7
1971	Wet	0.29	0.00	0.00	0.00	0.00	0.13	1.06	1.69	2.64	2.79	2.23	0.47	11
1972	Below Normal	0.47	0.00	0.00	0.00	0.01	0.64	0.56	1.05	1.64	1.93	1.55	0.04	8
1973	Above Normal	0.15	0.00	0.00	0.00	0.00	0.00	0.25	1.72	2.69	3.06	2.46	0.53	11
1974	Wet	0.20	0.00	0.00	0.00	0.00	0.00	0.01	2.05	2.99	2.79	2.61	0.63	11
1975	Wet	0.29	0.01	0.00	0.00	0.00	0.00	0.78	2.09	2.98	3.03	2.46	0.58	12
1976	Critical	0.17	0.01	0.00	0.00	0.18	0.27	0.35	0.43	0.47	0.54	0.40	0.16	3
1977	Critical	0.20	0.00	0.00	0.00	0.02	0.10	0.23	0.47	0.38	0.71	1.06	0.22	3
1978	Above Normal	0.16	0.00	0.00	0.00	0.00	0.00	0.03	1.87	2.87	3.25	2.61	0.39	11
1979	Below Normal	0.59	0.00	0.00	0.00	0.00	0.00	0.01	1.17	2.02	2.29	1.84	0.24	8
1980	Above Normal	0.19	0.00	0.00	0.00	0.00	0.00	0.15	1.54	2.58	3.05	2.49	0.57	11
1981	Dry	0.52	0.02	0.00	0.00	0.00	0.00	0.01	1.58	2.84	3.23	2.60	0.52	11
1982	Wet	0.17	0.00	0.00	0.00	0.00	0.00	0.01	1.47	2.52	3.30	2.65	0.16	10
1983	Wet	0.14	0.00	0.00	0.00	0.00	0.00	0.00	1.27	2.74	3.30	2.57	0.44	10
1984	Wet	0.45	0.00	0.00	0.00	0.00	0.09	0.92	1.81	2.68	2.81	2.12	0.46	11
1985	Dry	0.25	0.00	0.00	0.00	0.00	0.00	0.23	1.63	1.98	2.25	1.79	0.55	9
1986	Wet	0.39	0.00	0.00	0.00	0.00	0.00	0.47	0.88	1.93	1.92	1.54	0.03	7
1987	Dry	0.39	0.01	0.00	0.00	0.00	0.00	0.75	1.04	1.19	1.35	1.08	0.47	6
1988	Critical	0.25	0.00	0.00	0.00	0.00	0.05	0.27	0.37	0.48	0.58	0.47	0.20	3
1989	Dry	0.22	0.04	0.00	0.00	0.01	0.00	0.63	0.66	1.14	1.37	1.09	0.13	5
1990	Critical	0.18	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
1991	Critical	0.14	0.04	0.00	0.00	0.00	0.00	0.20	0.70	0.66	1.07	1.35	0.32	4
1992	Critical	0.21	0.05	0.00	0.00	0.00	0.00	0.45	0.96	1.34	1.98	2.08	0.17	7
1993	Above Normal	0.16	0.05	0.00	0.00	0.00	0.00	1.04	1.22	2.34	3.27	2.63	0.64	11
1994	Critical	0.40	0.04	0.00	0.00	0.00	0.07	0.84	1.58	2.19	2.78	2.72	0.96	12
1995	Wet	0.32	0.00	0.00	0.00	0.00	0.00	0.81	1.07	2.50	3.26	2.62	0.64	11
1996	Wet	0.59	0.07	0.00	0.00	0.00	0.00	0.72	0.86	2.93	3.30	2.65	0.62	12
1997	Wet	0.22	0.04	0.00	0.00	0.00	0.13	0.94	1.52	2.37	2.60	1.94	0.85	11
1998	Wet	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.23	2.56	3.30	2.65	0.52	10
1999	Wet	0.33	0.04	0.00	0.00	0.00	0.00	0.24	1.94	2.45	3.07	2.46	0.57	11
2000	Above Normal	0.50	0.04	0.00	0.00	0.00	0.00	0.01	1.49	2.60	3.30	2.65	0.54	11
2001	Dry	0.15	0.05	0.00	0.00	0.00	0.00	0.43	0.37	0.93	1.11	0.89	0.00	4
2002	Dry	0.22	0.04	0.00	0.00	0.00	0.08	0.52	0.84	1.68	1.91	1.54	0.67	8
2003	Above Normal	0.41	0.04	0.00	0.00	0.00	0.00	0.25	1.06	2.80	3.29	2.28	0.65	11
Average		0	0	0	0	0	0	0	1	2	2	2	0	8
Wet		0	0	0	0	0	0	0	1	3	3	2	1	11
Above Normal		0	0	0	0	0	0	0	1	3	3	2	0	11
Below Normal		0	0	0	0	0	0	0	1	2	2	2	0	8
Dry		0	0	0	0	0	0	0	1	1	1	1	0	6
Critical		0	0	0	0	0	0	0	1	1	1	1	0	4

Difference in Energy Use (GWh) At Pumping Plant at Tehama Other: CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1927	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1932	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1935	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1940	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1945	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1946	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1947	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1948	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1949	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1951	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1961	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1963	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1965	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1966	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Below Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Dry		0	0	0	0	0	0	0	0	0	0	0	0	0
Critical		0	0	0	0	0	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at Tehama Other: CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1923	Below Norma	0%	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1924	Critical	0%	0%	-	-	-	0%	0%	0%	0%	0%	0%	0%
1925	Dry	0%	-	-	-	-	0%	0%	-2%	-1%	-1%	-1%	-1%
1926	Dry	0%	-	-	-	-	-1%	-1%	-13%	-1%	-1%	-1%	-1%
1927	Wet	0%	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1928	Above Norma	0%	-	-	-	-	0%	0%	0%	0%	0%	0%	-1%
1929	Critical	0%	-	-	-	-	-5%	-5%	-5%	-5%	-5%	-5%	-5%
1930	Dry	-1%	0%	-	-	-	-2%	-7%	-2%	-2%	-2%	-2%	-2%
1931	Critical	-1%	0%	-	-	-	0%	0%	0%	0%	0%	0%	0%
1932	Dry	0%	0%	-	-	-	-6%	-4%	-3%	-4%	-3%	-2%	-3%
1933	Critical	-2%	0%	-	-	-	0%	0%	0%	0%	0%	0%	0%
1934	Critical	0%	0%	-	-	-	-8%	-5%	-3%	-4%	-3%	-2%	-3%
1935	Below Norma	-1%	-	-	-	-	-	1%	0%	0%	0%	0%	0%
1936	Below Norma	0%	-	-	-	-	0%	0%	0%	0%	0%	0%	1%
1937	Below Norma	0%	0%	-	-	-	-	0%	-3%	-2%	-2%	-2%	-2%
1938	Wet	0%	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	-	-	0%	-12%	-15%	-15%	-15%	-15%	-15%	-15%
1940	Above Norma	-6%	-15%	-	-	-	-	0%	0%	0%	0%	0%	0%
1941	Wet	0%	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1942	Wet	0%	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1943	Wet	0%	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1944	Dry	0%	0%	-	-	-	0%	0%	0%	0%	0%	0%	0%
1945	Below Norma	0%	-	-	-	-	-5%	-1%	-1%	-1%	-1%	-1%	-2%
1946	Below Norma	0%	-100%	-	-	-	-2%	-3%	-3%	-2%	-2%	-2%	-2%
1947	Dry	-1%	-	-	-	-	-	-11%	-11%	-11%	-11%	-11%	-11%
1948	Below Norma	-1%	-	-	-	-11%	-8%	-1%	0%	0%	0%	0%	0%
1949	Dry	0%	0%	-	-	-	-	0%	0%	0%	0%	0%	-1%
1950	Below Norma	0%	0%	-	-	-	-5%	-4%	-7%	-4%	-4%	-4%	-4%
1951	Above Norma	0%	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1954	Above Norma	0%	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1955	Dry	0%	-	-	-	-	-1%	-1%	-1%	-1%	-1%	-1%	-1%
1956	Wet	0%	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1957	Above Norma	0%	0%	-	-	-	0%	0%	0%	0%	0%	0%	0%
1958	Wet	0%	0%	-	-	-	-	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	-	-	-	0%	0%	0%	0%	0%	0%	0%
1960	Dry	0%	0%	-	-	-	-2%	0%	-1%	0%	0%	0%	0%
1961	Dry	0%	-	-	-	-	-	-1%	-1%	-1%	-1%	-1%	-6%
1962	Below Norma	-1%	-	-	-	-	-	18%	7%	6%	6%	6%	13%
1963	Wet	0%	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1964	Dry	0%	-	-	-	-	1%	1%	1%	1%	1%	1%	1%
1965	Wet	0%	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1966	Below Norma	0%	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1968	Below Norma	0%	0%	-	-	-	-	0%	0%	0%	0%	0%	0%
1969	Wet	0%	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	-	-	-	0%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	-	-	-	-	-5%	0%	0%	0%	0%	0%	0%
1972	Below Norma	0%	0%	-	-	0%	0%	0%	0%	0%	0%	0%	0%
1973	Above Norma	0%	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1974	Wet	0%	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	-	-	-	-	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	-	-	0%	0%	0%	0%	0%	0%	0%	0%
1977	Critical	0%	0%	-	-	0%	0%	0%	0%	0%	0%	0%	0%
1978	Above Norma	0%	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1979	Below Norma	0%	-	-	-	-	0%	0%	-6%	-4%	-4%	-4%	-12%
1980	Above Norma	-1%	-100%	-	-	-	-	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	-	-	-	-	0%	0%	0%	0%	0%	0%
1982	Wet	0%	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1983	Wet	0%	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1984	Wet	0%	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	-	-	-	-	-	-5%	-1%	-1%	-1%	-1%	-1%
1986	Wet	-1%	-	-	-	-	-	-2%	-3%	-2%	-2%	-2%	-30%
1987	Dry	-1%	-2%	-	-	-	-1%	-2%	-2%	-2%	-2%	-2%	-2%
1988	Critical	-1%	-	-	-	-	0%	0%	0%	0%	0%	0%	0%
1989	Dry	0%	0%	-	-	0%	-	6%	10%	6%	6%	6%	3%
1990	Critical	1%	0%	-	-	-	-	-	-	-	-	-	-
1991	Critical	0%	0%	-	-	-	-	1%	0%	1%	1%	0%	1%
1992	Critical	0%	0%	-	-	-	-	1%	1%	1%	1%	1%	0%
1993	Above Norma	0%	0%	-	-	-	-	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	-	-	-	0%	0%	0%	0%	0%	0%	0%
1995	Wet	0%	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	-	-	-	-	0%	0%	0%	0%	0%	0%
1997	Wet	0%	0%	-	-	-	0%	0%	0%	0%	0%	0%	0%
1998	Wet	0%	-	-	-	-	-	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	-	-	-	-	0%	0%	0%	0%	0%	0%
2000	Above Norma	0%	0%	-	-	-	-	0%	0%	0%	0%	0%	0%
2001	Dry	0%	0%	-	-	-	0%	-1%	-2%	-1%	-1%	-1%	-1%
2002	Dry	0%	0%	-	-	-	0%	1%	0%	0%	0%	0%	0%
2003	Above Norma	0%	0%	-	-	-	-	0%	0%	0%	0%	0%	0%
Average		0%	-6%	#DIV/0!	#DIV/0!	-2%	-1%	-1%	-1%	-1%	-1%	-1%	-1%
Wet		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%
Above Norma		-1%	-10%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Below Norma		0%	-7%	0%	0%	-1%	-1%	0%	-1%	0%	0%	0%	-1%
Dry		0%	0%	0%	0%	0%	-1%	-2%	-3%	-2%	-2%	-2%	-2%
Critical		0%	0%	0%	0%	0%	-1%	-1%	-1%	-1%	-1%	0%	-1%

Energy Use (GWh) At Pumping Plant at Tracy: CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	67.18	65.01	67.18	67.18	60.67	35.14	30.69	28.46	42.40	67.18	67.18	65.01	663
1923	Below Normal	67.18	65.01	67.18	67.18	39.61	39.70	35.99	27.91	42.40	67.18	64.31	65.01	649
1924	Critical	67.18	65.01	51.76	67.18	10.93	11.68	16.43	15.04	11.31	25.90	9.20	21.12	373
1925	Dry	33.90	17.84	67.18	67.18	60.67	36.80	36.94	33.21	25.79	44.45	18.17	65.01	507
1926	Dry	54.96	55.98	58.19	67.18	58.72	28.11	32.93	12.09	11.60	28.82	12.12	23.15	444
1927	Wet	37.38	65.01	67.18	67.18	60.67	42.11	35.99	27.91	42.40	52.14	66.05	65.01	629
1928	Above Normal	67.18	65.01	67.18	67.18	62.84	43.50	41.64	33.21	42.40	33.20	67.18	65.01	656
1929	Critical	67.18	65.01	67.18	67.18	54.56	15.46	11.31	17.05	12.31	28.82	12.12	44.60	463
1930	Dry	46.78	42.68	67.18	67.18	48.99	29.52	24.05	26.85	18.44	17.78	24.54	50.15	464
1931	Critical	46.94	47.37	47.13	67.18	14.98	25.87	11.31	16.11	11.31	29.26	8.76	43.44	370
1932	Dry	45.33	37.11	67.18	67.18	11.86	9.13	15.56	11.68	22.41	29.26	36.71	65.01	418
1933	Critical	55.37	49.86	29.26	9.61	12.39	8.76	11.31	13.19	11.31	28.82	17.96	38.91	287
1934	Critical	46.40	26.92	51.21	30.14	9.12	11.68	11.31	11.68	11.31	25.90	9.20	22.55	267
1935	Below Normal	17.64	49.51	49.51	67.18	24.09	39.82	28.49	11.68	31.35	29.26	38.88	65.01	452
1936	Below Normal	51.11	56.60	55.11	67.18	21.15	32.70	23.65	21.90	37.45	42.08	43.52	65.01	517
1937	Below Normal	60.18	59.24	67.18	57.16	16.88	11.38	19.32	29.72	15.52	28.82	36.55	65.01	467
1938	Wet	56.23	65.01	67.18	25.72	13.32	29.02	37.54	57.46	42.40	67.18	67.18	65.01	593
1939	Dry	67.18	65.01	67.18	67.18	38.43	35.56	25.22	24.10	36.21	45.64	40.59	54.04	566
1940	Above Normal	53.67	45.28	26.40	67.18	62.84	67.18	35.99	27.91	42.40	35.52	67.18	65.01	597
1941	Wet	67.18	65.01	67.18	67.18	53.93	34.90	28.69	39.27	41.37	67.18	67.18	65.01	664
1942	Wet	67.18	65.01	67.18	67.18	28.80	41.30	35.99	33.84	40.14	67.18	67.18	65.01	646
1943	Wet	67.18	65.01	67.18	67.18	45.12	26.02	31.97	21.92	39.63	67.18	67.18	65.01	631
1944	Dry	67.18	65.01	67.18	67.18	62.84	67.18	24.76	27.91	31.67	36.23	31.61	60.99	610
1945	Below Normal	55.29	65.01	67.18	67.18	43.48	34.03	34.32	32.74	42.40	67.18	67.18	65.01	641
1946	Below Normal	67.18	65.01	67.18	67.18	28.06	56.75	29.82	27.91	42.40	48.71	67.18	53.87	621
1947	Dry	67.18	65.01	67.18	67.18	60.67	41.25	24.49	11.68	42.11	48.06	41.85	61.66	598
1948	Below Normal	47.09	62.47	42.58	56.73	62.84	44.44	35.99	27.91	42.40	67.18	61.40	65.01	616
1949	Dry	66.38	55.60	67.18	67.18	55.96	44.84	24.31	27.91	42.40	67.18	60.24	65.01	644
1950	Below Normal	62.88	64.01	65.95	67.18	60.67	38.12	37.98	17.88	42.40	35.54	67.18	65.01	625
1951	Above Normal	43.30	65.01	67.18	24.37	17.53	39.67	35.37	21.90	37.45	45.36	67.18	65.01	529
1952	Wet	67.18	65.01	67.18	67.18	62.84	51.73	35.90	53.53	42.40	67.18	67.18	65.01	712
1953	Wet	67.18	65.01	67.18	67.18	57.32	22.41	36.45	33.21	42.40	67.18	67.18	65.01	658
1954	Above Normal	67.18	65.01	67.18	67.18	54.58	39.59	35.99	27.91	42.40	31.74	67.18	65.01	631
1955	Dry	67.18	65.01	67.18	67.18	60.67	48.32	21.93	27.91	31.92	51.14	14.92	48.03	571
1956	Wet	52.89	64.05	67.18	67.18	49.13	24.60	35.29	27.91	42.40	67.18	67.18	65.01	630
1957	Above Normal	67.18	65.01	67.18	49.73	31.68	39.68	38.00	33.21	42.40	59.83	67.18	65.01	626
1958	Wet	67.18	65.01	67.18	67.18	60.67	37.87	31.78	48.41	42.40	67.18	67.18	65.01	687
1959	Below Normal	67.18	65.01	67.18	67.18	60.67	48.84	25.79	30.56	42.40	67.18	62.80	54.32	659
1960	Dry	43.98	48.17	31.85	56.24	56.80	64.82	22.72	26.96	36.72	38.59	37.79	58.53	523
1961	Dry	43.63	65.01	50.27	67.18	60.67	33.11	22.05	22.18	42.40	64.80	67.18	50.59	589
1962	Below Normal	26.52	41.92	61.64	67.18	60.67	67.18	29.62	19.22	42.40	67.18	67.18	64.16	615
1963	Wet	67.18	65.01	67.18	67.18	56.11	38.90	41.64	33.21	42.40	50.29	67.18	65.01	661
1964	Dry	67.18	65.01	67.18	67.18	46.44	46.30	24.67	27.91	37.58	42.70	37.18	64.25	594
1965	Wet	49.41	65.01	67.18	67.18	40.99	35.38	35.99	27.91	42.40	67.18	67.18	65.01	631
1966	Below Normal	67.18	65.01	67.18	67.18	53.12	39.65	30.93	16.43	36.21	63.51	67.18	65.01	639
1967	Wet	67.18	53.38	67.18	67.18	60.67	55.30	36.89	48.21	42.40	67.18	67.18	65.01	698
1968	Below Normal	67.18	65.01	67.18	52.74	39.30	39.69	29.27	30.56	42.40	65.18	67.18	55.13	621
1969	Wet	57.24	65.01	67.18	67.18	60.67	42.90	38.64	57.57	42.40	67.18	67.18	65.01	698
1970	Wet	67.18	65.01	67.18	46.59	30.46	34.34	37.95	21.90	37.45	32.40	67.18	65.01	573
1971	Wet	67.18	65.01	67.18	67.18	49.68	67.18	35.99	27.91	42.40	58.33	67.18	65.01	680
1972	Below Normal	67.18	65.01	67.18	67.18	60.11	39.76	23.89	11.68	34.98	52.58	67.18	65.01	622
1973	Above Normal	67.18	65.01	67.18	67.18	60.67	63.35	34.17	16.43	36.21	67.18	67.18	65.01	677
1974	Wet	67.18	65.01	67.18	67.18	60.67	37.12	41.64	21.90	37.45	67.18	67.18	65.01	665
1975	Wet	67.18	65.01	67.18	67.18	60.67	54.48	35.99	27.64	42.40	66.63	67.18	65.01	687
1976	Critical	67.18	65.01	67.18	67.18	53.16	27.94	19.38	13.26	14.33	29.56	12.12	30.36	467
1977	Critical	42.04	50.23	15.36	45.61	14.27	11.68	11.31	11.68	11.31	49.78	28.79	32.90	325
1978	Above Normal	42.95	29.49	41.97	67.18	60.67	51.53	34.10	45.13	42.40	67.18	67.18	65.01	615
1979	Below Normal	67.18	65.01	67.18	67.18	60.67	31.20	31.88	37.82	42.40	67.18	66.04	65.01	669
1980	Above Normal	67.18	65.01	67.18	67.18	37.27	26.84	32.89	21.90	37.45	67.18	67.18	65.01	622
1981	Dry	67.18	65.01	67.18	67.18	60.67	41.57	29.61	30.56	41.84	67.18	67.18	65.01	670
1982	Wet	44.98	65.01	67.18	67.18	60.67	55.27	34.79	54.68	42.40	67.18	67.18	65.01	692
1983	Wet	67.18	65.01	67.18	67.18	30.82	29.07	38.46	57.43	42.40	67.18	67.18	65.01	664
1984	Wet	67.18	65.01	27.20	28.81	36.28	38.29	31.61	11.68	34.98	57.07	67.18	65.01	530
1985	Dry	67.18	65.01	67.18	67.18	60.35	44.43	24.87	27.91	42.08	67.18	67.18	65.01	666
1986	Wet	64.86	65.01	67.18	67.18	60.67	20.12	27.56	40.63	39.32	11.68	67.18	65.01	596
1987	Dry	67.18	65.01	67.18	32.78	28.42	28.19	22.08	27.11	36.39	56.60	19.42	48.97	499
1988	Critical	62.09	64.75	67.18	67.18	23.15	11.68	21.08	20.40	24.98	41.93	12.12	43.22	460
1989	Dry	43.40	37.29	35.96	67.18	12.02	67.18	32.91	27.91	42.40	49.80	42.10	59.57	518
1990	Critical	49.07	65.01	50.09	67.18	31.23	34.81	11.31	18.49	11.31	30.85	12.12	33.88	415
1991	Critical	45.18	41.89	28.46	23.71	21.66	67.18	11.31	18.72	11.31	35.10	17.52	42.16	364
1992	Critical	42.86	39.48	30.54	32.32	62.84	32.85	23.10	14.97	19.37	28.82	11.46	40.57	379
1993	Above Normal	37.75	28.14	55.23	67.18	60.67	67.18	35.99	11.68	34.98	67.18	65.40	65.01	596
1994	Critical	67.18	65.01	67.18	67.18	47.02	38.74	22.15	24.43	31.57	67.18	67.18	65.01	630
1995	Wet	32.65	45.73	67.18	67.18	60.67	67.18	41.74	57.35	42.40	67.18	67.18	65.01	681
1996	Wet	67.18	65.01	67.18	52.81	30.46	24.18	41.64	21.90	37.45	67.18	67.18	65.01	607
1997	Wet	67.18	65.01	67.18	67.18	60.62	23.68	31.29	14.18	42.40	65.00	67.18	60.54	631
1998	Wet	59.64	65.01	67.18	67.18	55.24	29.10	38.59	52.12	42.40	67.18	67.18	65.01	676
1999	Wet	67.18	65.01	67.18	54.74	36.51	39.60	35.99	21.90	42.40	64.89	67.18	65.01	627
2000	Above Normal	67.18	65.01	67.18	67.18	62.84	35.39	40.22	21.28	42.40	44.55	67.18	65.01	646
2001	Dry	67.18	65.01	62.10	67.18	60.67	67.18	23.88	27.91	25.19	42.91	21.68	33.95	565
2002	Dry	62.28	58.06	67.18	67.18	18.17	67.18	27.98	27.91	42.40	67.18	65.64	65.01	636
2003	Above Normal	55.05	57.59	67.18	67.18	50.03								

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Energy Use (GWh) At Pumping Plant at Tracy: CP4B_2020

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	67.18	65.01	67.18	67.18	60.67	35.14	30.69	28.46	42.40	67.18	67.18	65.01	663
1923	Below Normal	67.18	65.01	67.18	67.18	39.61	39.70	35.99	27.91	42.40	67.18	64.31	65.01	649
1924	Critical	67.18	65.01	51.77	67.18	10.93	11.68	16.43	15.04	11.31	25.90	9.20	21.12	373
1925	Dry	33.90	17.84	67.18	67.18	60.67	36.77	36.90	33.21	25.44	44.02	19.99	65.01	508
1926	Dry	54.96	55.96	58.68	67.18	55.86	28.03	32.83	11.68	11.46	28.82	12.12	32.57	450
1927	Wet	34.19	65.01	67.18	67.18	57.28	38.87	35.99	23.49	42.40	52.96	67.18	65.01	617
1928	Above Normal	67.18	65.01	67.18	67.18	62.84	45.44	41.64	33.21	42.40	32.18	67.18	65.01	656
1929	Critical	67.18	65.01	67.18	67.18	54.57	15.83	11.31	17.83	11.31	28.82	12.12	44.60	463
1930	Dry	46.78	42.68	67.18	67.18	45.69	29.37	24.08	26.63	17.77	34.54	11.68	46.33	460
1931	Critical	45.22	48.01	47.80	67.18	10.55	26.01	11.31	16.16	11.31	28.82	9.20	43.44	365
1932	Dry	37.91	30.75	67.18	67.18	28.00	9.12	15.53	11.68	22.45	29.26	36.84	65.01	421
1933	Critical	55.37	49.86	25.43	9.36	12.12	8.76	11.31	13.20	11.31	28.82	17.96	44.38	288
1934	Critical	47.23	28.54	50.91	22.52	9.12	11.68	11.31	11.68	11.31	25.90	9.20	20.22	260
1935	Below Normal	17.92	49.34	49.96	67.18	24.07	37.57	28.12	11.68	31.28	29.31	39.68	65.01	451
1936	Below Normal	51.10	56.60	55.52	67.18	20.37	32.71	23.66	21.90	37.45	42.12	43.47	65.01	517
1937	Below Normal	60.17	59.23	67.18	57.29	16.88	11.34	19.30	29.43	15.60	28.82	36.55	65.01	467
1938	Wet	56.99	65.01	67.18	22.81	13.14	29.02	37.54	57.46	42.40	67.18	67.18	65.01	591
1939	Dry	67.18	65.01	67.18	67.18	44.39	31.02	25.25	28.26	30.00	32.27	31.39	54.35	543
1940	Above Normal	53.64	46.48	26.51	67.18	62.84	67.18	35.99	27.91	42.40	36.46	67.18	65.01	599
1941	Wet	67.18	65.01	67.18	67.18	60.67	50.42	28.69	39.27	41.37	67.18	67.18	65.01	686
1942	Wet	67.18	65.01	67.18	67.18	28.80	41.30	35.99	33.84	40.14	67.18	67.18	65.01	646
1943	Wet	67.18	65.01	67.18	67.18	45.12	26.02	31.97	21.92	39.63	67.18	67.18	65.01	631
1944	Dry	67.18	65.01	67.18	67.18	62.84	67.18	24.76	27.91	31.54	35.91	31.55	61.15	609
1945	Below Normal	55.31	65.01	67.18	67.18	43.27	33.91	34.32	31.33	42.40	67.18	67.18	65.01	639
1946	Below Normal	67.18	65.01	67.18	67.18	29.42	56.63	29.82	27.91	42.40	67.18	67.18	48.34	635
1947	Dry	67.18	65.01	67.18	67.18	60.67	31.76	24.51	11.68	36.76	41.34	36.84	60.81	571
1948	Below Normal	47.14	63.33	43.08	57.06	56.27	44.53	35.99	27.91	42.40	67.18	61.40	65.01	611
1949	Dry	67.18	55.51	67.18	67.18	55.96	44.89	24.31	27.91	42.40	67.18	67.18	65.01	652
1950	Below Normal	64.68	63.54	65.69	67.18	60.67	47.69	37.80	28.11	42.40	29.26	67.18	65.01	639
1951	Above Normal	63.22	65.01	49.40	13.21	17.09	39.67	35.37	33.21	42.40	39.11	67.18	65.01	530
1952	Wet	65.26	65.01	67.18	67.18	62.84	49.01	35.90	53.53	42.40	67.18	67.18	65.01	708
1953	Wet	67.18	65.01	67.18	67.18	57.32	22.41	36.45	33.21	42.40	67.18	67.18	65.01	658
1954	Above Normal	67.18	65.01	67.18	67.18	54.58	39.59	35.99	27.91	42.40	31.52	67.18	65.01	631
1955	Dry	67.18	65.01	67.18	67.18	60.67	31.72	22.60	27.91	36.69	56.64	19.53	47.96	570
1956	Wet	52.89	64.25	67.18	67.18	48.63	24.60	35.29	27.43	42.40	67.18	67.18	65.01	629
1957	Above Normal	67.18	65.01	67.18	51.80	31.68	39.68	38.00	33.21	42.40	59.83	67.18	65.01	628
1958	Wet	67.18	65.01	67.18	67.18	60.67	37.87	31.78	48.41	42.40	67.18	67.18	65.01	687
1959	Below Normal	67.18	65.01	67.18	67.18	60.67	48.84	25.79	30.56	42.40	67.18	62.71	54.41	659
1960	Dry	43.98	48.09	31.88	56.18	55.68	64.87	22.72	20.55	34.98	43.53	41.84	58.37	523
1961	Dry	43.56	65.01	52.20	67.18	60.67	31.22	22.05	22.20	42.40	63.68	54.54	63.43	588
1962	Below Normal	32.66	60.06	59.83	65.12	60.67	67.18	29.62	16.43	42.40	64.53	67.18	65.01	631
1963	Wet	67.18	65.01	67.18	67.18	60.67	40.67	41.64	33.21	42.40	51.98	67.18	65.01	669
1964	Dry	67.18	65.01	67.18	67.18	46.45	46.27	25.40	19.56	31.27	50.03	43.10	63.00	592
1965	Wet	49.71	65.01	67.18	67.18	42.17	35.38	35.99	27.91	42.40	66.66	67.18	65.01	632
1966	Below Normal	67.18	65.01	67.18	67.18	53.12	39.65	30.93	16.43	36.21	62.37	67.18	65.01	637
1967	Wet	67.18	55.79	67.18	67.18	60.67	54.08	36.89	48.21	42.40	67.18	67.18	65.01	699
1968	Below Normal	67.18	65.01	67.18	52.74	39.30	39.69	29.27	30.56	42.40	65.18	67.18	55.13	621
1969	Wet	60.02	65.01	67.18	67.18	60.67	40.13	38.64	57.57	42.40	67.18	67.18	65.01	698
1970	Wet	67.18	65.01	67.18	46.59	30.46	34.34	37.95	21.90	37.45	32.40	67.18	65.01	573
1971	Wet	67.18	65.01	67.18	67.18	49.68	67.18	35.99	27.91	42.40	58.34	67.18	65.01	680
1972	Below Normal	67.18	65.01	67.18	67.18	60.10	39.76	23.89	11.68	37.26	52.40	67.18	65.01	624
1973	Above Normal	67.18	65.01	67.18	67.18	60.67	61.49	34.16	16.43	36.21	67.18	67.18	65.01	675
1974	Wet	67.18	65.01	67.18	67.18	59.80	36.92	41.64	21.90	37.45	67.18	67.18	65.01	664
1975	Wet	67.18	65.01	67.18	67.18	60.67	54.48	35.99	27.91	42.40	67.18	67.18	65.01	687
1976	Critical	67.18	65.01	67.18	67.18	53.16	27.82	19.38	13.27	14.33	29.56	12.12	30.36	467
1977	Critical	42.04	50.27	15.36	45.38	14.58	11.68	11.31	11.68	11.31	49.65	28.81	32.90	325
1978	Above Normal	42.95	29.52	41.94	67.18	60.67	51.52	34.10	45.13	42.40	67.18	67.18	65.01	615
1979	Below Normal	67.18	65.01	67.18	67.18	60.67	30.31	31.89	37.83	42.40	67.18	66.58	65.01	668
1980	Above Normal	67.18	65.01	67.18	67.18	46.68	26.84	32.89	21.90	37.45	67.18	67.18	65.01	632
1981	Dry	67.18	65.01	67.18	67.18	60.67	41.57	29.61	30.56	41.87	67.18	67.06	65.01	670
1982	Wet	48.38	65.01	67.18	67.18	60.67	51.26	34.79	54.68	42.40	67.18	67.18	65.01	691
1983	Wet	67.18	65.01	67.18	67.18	30.82	29.07	38.46	57.43	42.40	67.18	67.18	65.01	664
1984	Wet	67.18	65.01	27.20	28.81	36.28	38.29	31.61	11.68	34.98	57.07	67.18	65.01	530
1985	Dry	67.18	65.01	67.18	67.18	60.35	60.34	24.86	27.91	37.11	67.18	67.18	65.01	676
1986	Wet	65.09	64.88	67.18	67.18	60.67	27.23	27.07	40.42	39.32	11.68	67.18	65.01	603
1987	Dry	67.18	65.01	67.18	27.18	27.96	28.11	22.07	26.57	35.52	55.53	18.59	48.80	490
1988	Critical	62.37	65.01	67.18	67.18	21.62	11.68	21.09	20.41	24.88	41.82	12.12	43.22	459
1989	Dry	43.40	37.26	50.80	67.18	22.12	67.18	34.35	27.47	36.95	42.86	36.29	60.03	526
1990	Critical	50.09	65.01	54.46	67.18	28.00	34.81	11.31	18.50	11.31	35.10	12.12	33.90	415
1991	Critical	45.19	41.89	29.10	25.18	21.10	67.18	11.31	18.72	11.31	28.82	17.52	42.16	366
1992	Critical	42.86	39.51	30.57	32.32	62.84	34.04	23.10	15.19	19.71	28.82	12.20	40.66	382
1993	Above Normal	37.98	29.07	52.36	67.18	60.67	67.18	35.99	11.68	34.98	67.18	65.38	65.01	595
1994	Critical	67.18	65.01	67.18	67.18	46.27	38.74	22.15	24.43	31.53	67.18	67.18	59.03	623
1995	Wet	41.89	45.70	67.18	67.18	60.67	67.18	38.99	57.35	42.40	67.18	67.18	65.01	688
1996	Wet	67.18	65.01	67.18	52.81	30.46	24.18	41.64	21.90	39.49	67.18	67.18	65.01	609
1997	Wet	67.18	65.01	67.18	67.18	58.63	23.68	31.29	15.73	42.40	64.16	66.01	60.54	629
1998	Wet	59.87	65.01	67.18	67.18	54.32	29.10	38.59	52.12	42.40	67.18	67.18	65.01	675
1999	Wet	67.18	65.01	67.18	54.74	36.51	39.60	35.99	21.31	42.40	64.89	67.18	65.01	627
2000	Above Normal	67.18	65.01	67.18	67.18	62.84	35.36	40.22	21.90	42.40	44.49	67.18	65.01	646
2001	Dry	67.18	65.01	62.16	67.18	60.67	67.18	23.86	27.91	24.89	42.54	21.85	33.45	564
2002	Dry	61.99	60.33	67.18	67.18	15.91	67.18	27.99	27.91	42.40	67.18	66.00	65.01	636
2003	Above Normal	55.06	57.63	67.18	67.18	50.58	37.44							

Difference in Energy Use (GWh) At Pumping Plant at Tracy: CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	0	0	0	0	0	0	0	2	0	0
1926	Dry	0	0	0	0	-3	0	0	0	0	0	0	9	1
1927	Wet	-3	0	0	0	-3	-3	0	-4	0	1	1	0	-1
1928	Above Norma	0	0	0	0	0	2	0	0	0	-1	0	0	0
1929	Critical	0	0	0	0	0	0	0	1	-1	0	0	0	0
1930	Dry	0	0	0	0	-3	0	0	0	-1	17	-13	-4	0
1931	Critical	-2	1	1	0	-4	0	0	0	0	0	0	0	0
1932	Dry	-7	-6	0	0	16	0	0	0	0	0	0	0	0
1933	Critical	0	0	-4	0	0	0	0	0	0	0	0	5	0
1934	Critical	1	2	0	-8	0	0	0	0	0	0	0	-2	-1
1935	Below Norma	0	0	0	0	0	-2	0	0	0	0	1	0	0
1936	Below Norma	0	0	0	0	-1	0	0	0	0	0	0	0	0
1937	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1938	Wet	1	0	0	-3	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	6	-5	0	4	-6	-13	-9	0	-2
1940	Above Norma	0	1	0	0	0	0	0	0	0	1	0	0	0
1941	Wet	0	0	0	0	7	16	0	0	0	0	0	0	2
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1945	Below Norma	0	0	0	0	0	0	0	-1	0	0	0	0	0
1946	Below Norma	0	0	0	0	1	0	0	0	0	18	0	-6	1
1947	Dry	0	0	0	0	0	-9	0	0	-5	-7	-5	-1	-2
1948	Below Norma	0	1	1	0	-7	0	0	0	0	0	0	0	0
1949	Dry	1	0	0	0	0	0	0	0	0	0	7	0	1
1950	Below Norma	2	0	0	0	0	10	0	10	0	-6	0	0	1
1951	Above Norma	20	0	-18	-11	0	0	0	11	5	-6	0	0	0
1952	Wet	-2	0	0	0	0	-3	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	-17	1	0	5	6	5	0	0
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	2	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	-1	0	0	-6	-2	5	4	0	0
1961	Dry	0	0	2	0	0	-2	0	0	0	-1	-13	13	0
1962	Below Norma	6	18	-2	-2	0	0	0	-3	0	-3	0	1	1
1963	Wet	0	0	0	0	5	2	0	0	0	2	0	0	1
1964	Dry	0	0	0	0	0	0	1	-8	-6	7	6	-1	0
1965	Wet	0	0	0	0	1	0	0	0	0	-1	0	0	0
1966	Below Norma	0	0	0	0	0	0	0	0	0	-1	0	0	0
1967	Wet	0	2	0	0	0	-1	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	3	0	0	0	0	-3	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	0	0	2	0	0	0	0
1973	Above Norma	0	0	0	0	0	-2	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	-1	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	1	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	Below Norma	0	0	0	0	0	-1	0	0	0	0	1	0	0
1980	Above Norma	0	0	0	0	9	0	0	0	0	0	0	0	1
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	3	0	0	0	0	-4	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	16	0	0	-5	0	0	0	1
1986	Wet	0	0	0	0	0	7	0	0	0	0	0	0	1
1987	Dry	0	0	0	-6	0	0	0	-1	-1	-1	-1	0	-1
1988	Critical	0	0	0	0	-2	0	0	0	0	0	0	0	0
1989	Dry	0	0	15	0	10	0	1	0	-5	-7	-6	0	1
1990	Critical	1	0	4	0	-3	0	0	0	0	-2	0	0	0
1991	Critical	0	0	1	1	-1	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	1	0	0	0	0	1	0	0
1993	Above Norma	0	1	-3	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	-1	0	0	0	0	0	0	-6	-1
1995	Wet	9	0	0	0	0	0	-3	0	0	0	0	0	1
1996	Wet	0	0	0	0	0	0	0	0	2	0	0	0	0
1997	Wet	0	0	0	0	-2	0	0	2	0	-1	-1	0	0
1998	Wet	0	0	0	0	-1	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	-1	0
2002	Dry	0	2	0	0	-2	0	0	0	0	0	0	0	0
2003	Above Norma	0	0	0	0	1	0	0	0	0	0	0	0	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norma		2	0	-2	-1	1	0	0	1	0	-1	0	0	0
Below Norma		1	1	0	0	0	0	0	0	0	1	0	0	0
Dry		0	0	1	0	1	-1	0	-1	-2	0	-1	1	0
Critical		0	0	0	-1	-1	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at Tracy: CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1923	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1924	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1925	Dry	0%	0%	0%	0%	0%	0%	0%	0%	-1%	-1%	10%	0%
1926	Dry	0%	0%	1%	0%	-5%	0%	0%	-3%	-1%	0%	0%	41%
1927	Wet	-9%	0%	0%	0%	-6%	-8%	0%	-16%	0%	2%	2%	0%
1928	Above Norm	0%	0%	0%	0%	0%	4%	0%	0%	0%	-3%	0%	0%
1929	Critical	0%	0%	0%	0%	0%	2%	0%	5%	-8%	0%	0%	0%
1930	Dry	0%	0%	0%	0%	-7%	-1%	0%	-1%	-4%	94%	-52%	-8%
1931	Critical	-4%	1%	1%	0%	-30%	1%	0%	0%	0%	-2%	5%	0%
1932	Dry	-16%	-17%	0%	0%	136%	0%	0%	0%	0%	0%	0%	0%
1933	Critical	0%	0%	-13%	-3%	-2%	0%	0%	0%	0%	0%	0%	14%
1934	Critical	2%	6%	-1%	-25%	0%	0%	0%	0%	0%	0%	0%	-10%
1935	Below Norm	2%	0%	1%	0%	0%	-6%	-1%	0%	0%	0%	2%	0%
1936	Below Norm	0%	0%	1%	0%	-4%	0%	0%	0%	0%	0%	0%	0%
1937	Below Norm	0%	0%	0%	0%	0%	0%	0%	-1%	0%	0%	0%	0%
1938	Wet	1%	0%	0%	-11%	-1%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	16%	-13%	0%	17%	-17%	-29%	-23%	1%
1940	Above Norm	0%	3%	0%	0%	0%	0%	0%	0%	0%	3%	0%	0%
1941	Wet	0%	0%	0%	0%	13%	44%	0%	0%	0%	0%	0%	0%
1942	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1944	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	0%	0%
1945	Below Norm	0%	0%	0%	0%	0%	0%	0%	-4%	0%	0%	0%	0%
1946	Below Norm	0%	0%	0%	0%	5%	0%	0%	0%	0%	38%	0%	-10%
1947	Dry	0%	0%	0%	0%	0%	-23%	0%	0%	-13%	-14%	-12%	-1%
1948	Below Norm	0%	1%	1%	1%	-10%	0%	0%	0%	0%	0%	0%	0%
1949	Dry	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	12%	0%
1950	Below Norm	3%	-1%	0%	0%	0%	25%	0%	57%	0%	-18%	0%	0%
1951	Above Norm	46%	0%	-26%	-46%	-2%	0%	0%	52%	13%	-14%	0%	0%
1952	Wet	-3%	0%	0%	0%	0%	-5%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	0%	0%
1955	Dry	0%	0%	0%	0%	0%	-34%	3%	0%	15%	11%	31%	0%
1956	Wet	0%	0%	0%	0%	-1%	0%	0%	-2%	0%	0%	0%	0%
1957	Above Norm	0%	0%	0%	4%	0%	0%	0%	0%	0%	0%	0%	0%
1958	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1960	Dry	0%	0%	0%	0%	-2%	0%	0%	-24%	-5%	13%	11%	0%
1961	Dry	0%	0%	4%	0%	0%	-6%	0%	0%	0%	-2%	-19%	25%
1962	Below Norm	23%	43%	-3%	-3%	0%	0%	0%	-15%	0%	-4%	0%	1%
1963	Wet	0%	0%	0%	0%	8%	5%	0%	0%	0%	3%	0%	0%
1964	Dry	0%	0%	0%	0%	0%	0%	3%	-30%	-17%	17%	16%	-2%
1965	Wet	1%	0%	0%	0%	3%	0%	0%	0%	0%	-1%	0%	0%
1966	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	-2%	0%	0%
1967	Wet	0%	5%	0%	0%	0%	-2%	0%	0%	0%	0%	0%	0%
1968	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1969	Wet	5%	0%	0%	0%	0%	-6%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1972	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	7%	0%	0%	0%
1973	Above Norm	0%	0%	0%	0%	0%	-3%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	-1%	-1%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	1%	0%	1%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1977	Critical	0%	0%	0%	-1%	2%	0%	0%	0%	0%	0%	0%	0%
1978	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1979	Below Norm	0%	0%	0%	0%	0%	-3%	0%	0%	0%	0%	1%	0%
1980	Above Norm	0%	0%	0%	0%	25%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1982	Wet	8%	0%	0%	0%	0%	-7%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	36%	0%	0%	-12%	0%	0%	0%
1986	Wet	0%	0%	0%	0%	0%	35%	-2%	-1%	0%	0%	0%	0%
1987	Dry	0%	0%	0%	-17%	-2%	0%	0%	-2%	-2%	-2%	-4%	0%
1988	Critical	0%	0%	0%	0%	-7%	0%	0%	0%	0%	0%	0%	0%
1989	Dry	0%	0%	41%	0%	84%	0%	4%	-2%	-13%	-14%	-14%	1%
1990	Critical	2%	0%	9%	0%	-10%	0%	0%	0%	0%	-7%	0%	0%
1991	Critical	0%	0%	2%	6%	-3%	0%	0%	0%	0%	0%	0%	0%
1992	Critical	0%	0%	0%	0%	0%	4%	0%	1%	2%	0%	6%	0%
1993	Above Norm	1%	3%	-5%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	0%	-2%	0%	0%	0%	0%	0%	0%	-9%
1995	Wet	28%	0%	0%	0%	0%	0%	-7%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	0%	0%	0%	0%	0%	0%	5%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	-3%	0%	0%	11%	0%	-1%	-2%	0%
1998	Wet	0%	0%	0%	0%	-2%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2001	Dry	0%	0%	0%	0%	0%	0%	0%	0%	-1%	-1%	1%	-1%
2002	Dry	0%	4%	0%	0%	-12%	0%	0%	0%	0%	0%	1%	0%
2003	Above Norm	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%
Average		1%	1%	0%	-1%	2%	0%	0%	1%	-1%	1%	0%	0%
Wet		1%	0%	0%	0%	0%	2%	0%	0%	0%	0%	0%	0%
Above Norm		4%	1%	-3%	-3%	2%	0%	0%	4%	1%	-1%	0%	0%
Below Norm		2%	3%	0%	0%	-1%	1%	0%	3%	0%	1%	0%	-1%
Dry		-1%	-1%	3%	-1%	12%	-2%	1%	-2%	-4%	4%	-2%	3%
Critical		0%	1%	0%	-2%	-4%	1%	0%	1%	-1%	-1%	1%	0%

Difference in Energy generated (GWh) at Alamo Dam: CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	8	2	0	0	0	0	0	0	0	1
1926	Dry	0	0	0	0	1	0	0	0	0	0	0	0	0
1927	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1932	Dry	0	0	0	0	1	0	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	2	0	0	0	0	0	0	0	0
1935	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	0	3	0	0	0	0	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1940	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1945	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1946	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1947	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1948	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1949	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1951	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1956	Wet	0	1	0	0	0	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1961	Dry	0	0	0	0	1	0	0	0	0	0	0	0	0
1962	Below Norma	0	0	0	0	0	-5	0	0	0	0	0	0	0
1963	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	1	0	0	1	0	0	0	0	0	0
1965	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1966	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	1	0	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Norma	0	0	0	6	0	0	0	0	0	0	0	0	1
1979	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	-1	0	0
1986	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	Above Norma	0	0	0	0	0	0	0	0	0	0	1	0	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norma		0	0	0	1	0	0	0	0	0	0	0	0	0
Below Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Dry		0	0	0	1	0	0	0	0	0	0	0	0	0
Critical		0	0	0	0	0	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy generated (GWh) at Alamo Dam: CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1923	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1924	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1925	Dry	0%	0%	0%	965%	28%	0%	0%	0%	0%	0%	0%	0%
1926	Dry	0%	0%	0%	0%	6%	0%	0%	0%	0%	0%	0%	0%
1927	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1928	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1929	Critical	0%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1930	Dry	0%	0%	0%	1%	0%	-1%	0%	0%	0%	0%	0%	0%
1931	Critical	0%	0%	0%	0%	0%	0%	-1%	-1%	-1%	-1%	-1%	-1%
1932	Dry	-1%	-1%	-1%	-1%	14%	-11%	3%	3%	2%	0%	-3%	-3%
1933	Critical	-6%	-10%	-9%	-7%	-2%	0%	5%	4%	4%	1%	-1%	-1%
1934	Critical	-4%	-7%	-6%	-6%	86%	-2%	0%	0%	0%	0%	0%	0%
1935	Below Norma	0%	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%
1936	Below Norma	0%	1%	-2%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1937	Below Norma	0%	0%	56%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1938	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1940	Above Norma	0%	1%	1%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1942	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1944	Dry	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%
1945	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1946	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1947	Dry	0%	0%	0%	-1%	0%	3%	0%	0%	0%	0%	0%	0%
1948	Below Norma	0%	0%	0%	-5%	-5%	-4%	0%	0%	0%	0%	0%	0%
1949	Dry	0%	0%	0%	2%	1%	2%	2%	2%	2%	2%	2%	2%
1950	Below Norma	2%	2%	2%	2%	2%	1%	0%	0%	0%	0%	0%	0%
1951	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1955	Dry	0%	0%	0%	0%	0%	0%	-3%	-4%	-4%	-1%	1%	1%
1956	Wet	4%	8%	8%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1958	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1960	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1961	Dry	0%	0%	0%	1%	29%	8%	0%	0%	0%	0%	0%	0%
1962	Below Norma	0%	0%	0%	0%	-1%	-40%	0%	0%	0%	0%	0%	0%
1963	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1964	Dry	0%	0%	0%	13%	0%	0%	8%	-2%	-3%	-2%	-4%	-4%
1965	Wet	-1%	-1%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1966	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%
1968	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1969	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1972	Below Norma	0%	0%	0%	0%	0%	0%	-2%	0%	0%	0%	0%	0%
1973	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1977	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1978	Above Norma	0%	0%	0%	898%	1%	0%	0%	0%	0%	0%	0%	0%
1979	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1980	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1982	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	3%	-10%	0%
1986	Wet	0%	0%	0%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%
1987	Dry	0%	0%	0%	0%	0%	0%	1%	1%	0%	0%	0%	0%
1988	Critical	1%	1%	1%	1%	1%	1%	0%	0%	0%	0%	0%	0%
1989	Dry	0%	0%	0%	0%	-1%	-1%	0%	0%	0%	0%	0%	0%
1990	Critical	0%	0%	0%	-18%	-10%	0%	2%	2%	2%	2%	2%	2%
1991	Critical	2%	2%	2%	2%	2%	1%	4%	5%	5%	4%	4%	4%
1992	Critical	5%	5%	5%	4%	3%	-26%	1%	-2%	-2%	0%	1%	1%
1993	Above Norma	4%	7%	6%	5%	0%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1995	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1998	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2001	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2002	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2003	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	24%	0%
Average		0%	0%	1%	23%	2%	-1%	0%	0%	0%	0%	0%	0%
Wet		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Above Norma		0%	1%	1%	75%	0%	0%	0%	0%	0%	0%	2%	0%
Below Norma		0%	0%	4%	0%	0%	-3%	0%	0%	0%	0%	0%	0%
Dry		0%	0%	0%	54%	4%	0%	1%	0%	0%	0%	-1%	0%
Critical		0%	-1%	-1%	-2%	7%	-2%	1%	1%	1%	0%	0%	0%

Difference in Energy generated (GWh) at Castaic: CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	-7	0	0	0	0	0	0	0	-1
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	-67	-20	0	0	0	0	0	0	0	-7
1926	Dry	0	0	0	0	-25	8	-8	0	0	0	0	0	-2
1927	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	-1	0	0	1	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	0	11	0	0	0	0	0	0	0	1
1931	Critical	0	0	0	0	0	0	0	0	-1	-1	0	0	0
1932	Dry	0	0	0	19	-34	-2	-1	-1	-1	-1	-3	-3	-2
1933	Critical	-4	-4	0	-3	36	-1	-1	-1	-1	-1	-5	-5	1
1934	Critical	-6	-6	-4	0	-13	0	0	0	0	0	0	0	-3
1935	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	0	-22	0	0	0	0	0	0	0	0	0	-2
1938	Wet	0	0	0	0	-6	0	0	0	0	0	0	0	-1
1939	Dry	0	0	0	0	0	10	-14	1	1	1	1	1	0
1940	Above Norma	1	1	1	0	0	0	1	0	0	0	0	0	0
1941	Wet	0	0	-1	11	-2	0	0	0	2	-1	-10	-12	-1
1942	Wet	-5	-1	-1	1	0	0	0	0	0	0	0	0	-1
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1945	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1946	Below Norma	0	0	0	0	-7	0	0	0	1	0	0	0	0
1947	Dry	0	0	0	1	1	17	1	1	1	1	1	1	2
1948	Below Norma	1	1	1	-1	-1	0	0	0	0	0	0	0	0
1949	Dry	0	0	0	0	0	0	1	1	1	1	1	1	1
1950	Below Norma	1	1	1	0	0	-17	0	0	0	0	0	0	-1
1951	Above Norma	0	0	0	0	-6	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	-9	0	0	0	0	0	0	0	-1
1953	Wet	0	0	0	0	0	0	-1	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	1	1	1	1	5	5	1
1956	Wet	6	7	4	0	-1	0	0	0	0	0	0	0	1
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1961	Dry	0	0	0	0	-9	0	0	0	0	0	0	0	-1
1962	Below Norma	0	0	0	-1	0	-21	-15	-1	-1	-1	-2	-2	-4
1963	Wet	-2	-2	-2	-3	-8	0	0	0	-2	-2	-1	0	-2
1964	Dry	0	0	0	4	0	8	4	-1	-2	-3	-3	-2	0
1965	Wet	-1	0	2	3	0	0	0	0	0	0	0	0	0
1966	Below Norma	0	0	0	1	0	-1	-14	0	0	0	0	0	-1
1967	Wet	0	0	0	2	0	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	2	-1	0	0	0	0	0	0
1973	Above Norma	0	0	0	-24	-8	0	0	0	0	0	0	0	-3
1974	Wet	0	0	0	0	-7	0	0	0	0	0	0	0	-1
1975	Wet	0	0	0	0	-8	0	0	0	0	0	0	0	-1
1976	Critical	0	0	0	0	-7	0	0	0	0	0	0	0	-1
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Norma	0	0	0	-56	-24	0	0	0	0	0	0	0	-7
1979	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	Above Norma	0	0	0	0	-7	0	0	0	0	0	0	0	-1
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	-7	0	0	0	0	0	0	0	-1
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	-2	-1	-1	-1	-1	0
1986	Wet	-1	0	0	0	-4	0	4	0	0	0	0	0	0
1987	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	Dry	0	0	0	0	0	-10	0	0	0	0	0	0	-1
1990	Critical	0	0	-13	0	0	0	0	1	1	1	0	0	-1
1991	Critical	0	0	0	0	0	0	1	1	1	2	1	1	1
1992	Critical	0	0	0	0	0	-21	15	1	1	1	3	3	0
1993	Above Norma	4	4	3	0	0	0	0	0	0	0	0	0	1
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	0	0	0	0	-2	0	2	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	-8	0	0	0	0	0	0	0	-1
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	Above Norma	0	0	0	0	0	0	0	0	0	0	-7	0	-1
Average		0	0	0	-1	-2	0	0	0	0	0	0	0	0
Wet		0	0	0	0	-2	0	0	0	0	0	0	0	0
Above Norma		0	0	0	-7	-5	0	0	0	0	0	-1	0	-1
Below Norma		0	0	-2	0	-1	-3	-2	0	0	0	0	0	-1
Dry		0	0	0	-2	-4	2	-1	0	0	0	0	0	0
Critical		-1	-1	-1	0	1	-2	1	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy generated (GWh) at Castaic: CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1923	Below Norma	0%	0%	0%	0%	-9%	0%	0%	0%	0%	0%	0%	0%
1924	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1925	Dry	0%	0%	0%	-81%	-28%	0%	0%	0%	0%	0%	0%	0%
1926	Dry	0%	0%	0%	0%	-30%	31%	-13%	0%	0%	0%	0%	0%
1927	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1928	Above Norma	0%	0%	0%	-2%	0%	0%	1%	1%	1%	1%	1%	1%
1929	Critical	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1930	Dry	1%	0%	0%	0%	33%	0%	0%	0%	0%	0%	0%	0%
1931	Critical	0%	0%	0%	0%	0%	0%	-1%	-1%	-1%	-1%	-1%	-1%
1932	Dry	-4%	0%	0%	18933%	-39%	-2%	-3%	-2%	-2%	-2%	-8%	-9%
1933	Critical	-25%	-48%	0%	-32%	84%	-2%	-2%	-2%	-2%	-2%	-9%	-9%
1934	Critical	-19%	-24%	-41%	-4%	-30%	-2%	0%	0%	0%	0%	0%	0%
1935	Below Norma	-1%	-1%	-1%	0%	0%	0%	-1%	0%	0%	0%	0%	0%
1936	Below Norma	0%	0%	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%
1937	Below Norma	-1%	-1%	-32%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1938	Wet	0%	0%	0%	0%	-8%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	0%	13%	-20%	1%	1%	1%	1%	1%
1940	Above Norma	2%	2%	2%	0%	-1%	0%	1%	0%	0%	0%	0%	0%
1941	Wet	0%	-1%	-1%	18%	-3%	0%	0%	0%	3%	-1%	-11%	-14%
1942	Wet	-7%	-2%	-2%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1944	Dry	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%
1945	Below Norma	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%
1946	Below Norma	0%	0%	0%	0%	-8%	0%	0%	0%	1%	0%	0%	0%
1947	Dry	0%	0%	0%	2%	3%	37%	2%	2%	2%	2%	2%	2%
1948	Below Norma	2%	2%	2%	-4%	-4%	-2%	0%	0%	0%	0%	0%	0%
1949	Dry	0%	0%	0%	0%	0%	0%	2%	2%	2%	2%	2%	2%
1950	Below Norma	3%	3%	4%	1%	1%	-19%	0%	0%	0%	0%	0%	0%
1951	Above Norma	0%	0%	0%	0%	-8%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	-10%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%
1954	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1955	Dry	0%	0%	0%	0%	0%	1%	2%	3%	3%	2%	10%	11%
1956	Wet	25%	35%	76%	0%	-1%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1958	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1960	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1961	Dry	0%	0%	1%	1%	-18%	0%	0%	0%	0%	0%	0%	0%
1962	Below Norma	0%	0%	0%	-4%	0%	-31%	-18%	-1%	-1%	-2%	-2%	-2%
1963	Wet	-3%	-3%	-3%	-5%	-10%	0%	0%	-2%	-2%	-2%	-1%	0%
1964	Dry	0%	0%	0%	9%	0%	11%	6%	-2%	-4%	-6%	-5%	-4%
1965	Wet	-2%	-1%	7%	5%	0%	0%	0%	0%	0%	0%	0%	0%
1966	Below Norma	0%	0%	0%	1%	0%	-1%	-18%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	0%	4%	0%	0%	0%	0%	0%	0%	0%	0%
1968	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1969	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1972	Below Norma	0%	0%	0%	0%	0%	2%	-2%	0%	0%	0%	0%	0%
1973	Above Norma	0%	0%	-1%	-25%	-10%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	-9%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	-10%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	-8%	0%	0%	0%	0%	0%	0%	0%
1977	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1978	Above Norma	0%	0%	0%	-83%	-29%	0%	0%	0%	0%	0%	0%	0%
1979	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1980	Above Norma	0%	0%	0%	0%	-8%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1982	Wet	0%	0%	0%	0%	-9%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	0%	-2%	-1%	-1%	-2%	-1%
1986	Wet	-1%	-1%	-1%	-1%	-10%	0%	6%	0%	0%	0%	0%	0%
1987	Dry	0%	0%	0%	1%	1%	1%	1%	1%	1%	1%	1%	1%
1988	Critical	1%	1%	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%
1989	Dry	0%	0%	0%	0%	0%	-27%	0%	0%	0%	0%	0%	0%
1990	Critical	0%	0%	-18%	-4%	-6%	-1%	1%	2%	2%	2%	2%	2%
1991	Critical	7%	0%	0%	0%	0%	4%	3%	4%	4%	4%	4%	4%
1992	Critical	28%	0%	0%	0%	0%	-78%	47%	2%	2%	2%	7%	8%
1993	Above Norma	19%	30%	109%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1995	Wet	0%	0%	0%	0%	-3%	0%	2%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1998	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norma	0%	0%	0%	0%	-9%	0%	0%	0%	0%	0%	0%	0%
2001	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2002	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2003	Above Norma	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	-8%	0%
Average		0%	0%	1%	228%	-2%	-1%	0%	0%	0%	0%	0%	0%
Above Norma		0%	1%	3%	1%	-3%	0%	0%	0%	0%	0%	0%	-1%
Below Norma		2%	3%	9%	-9%	-5%	0%	0%	0%	0%	0%	-1%	0%
Dry		0%	0%	0%	1048%	-4%	4%	-1%	0%	0%	0%	0%	0%
Critical		-1%	-6%	-5%	-3%	3%	-7%	4%	0%	0%	0%	0%	0%

Difference in Energy generated (GWh) at DCanyon: CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	3	6	0	0	0	0	0	1
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	85	25	0	0	0	0	0	0	0	9
1926	Dry	0	0	0	0	28	0	0	0	0	0	0	0	2
1927	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	-3	0	0	1	1	1	1	1	1	0
1929	Critical	1	1	1	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	0	0	-1	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	-1	-1	-1	-1	-1	-1	-1
1932	Dry	-1	0	0	0	27	-2	2	3	3	0	-2	-3	2
1933	Critical	-4	-5	-3	0	0	0	3	4	4	1	-1	-1	0
1934	Critical	-3	-5	-3	0	22	0	0	0	0	0	0	0	1
1935	Below Norma	0	0	0	0	0	-1	-1	0	0	0	0	0	0
1936	Below Norma	0	1	-2	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	-1	3	32	0	0	1	0	0	0	0	0	0	3
1938	Wet	0	0	0	0	0	3	1	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	-8	1	1	1	1	1	1	0
1940	Above Norma	1	1	1	-1	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	5	-2	-2	6	2	-2	0	-1	-9	0
1942	Wet	-14	-2	-2	-1	0	2	0	0	0	0	0	0	-2
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	1	0	0	0	0	0	0	0	0
1945	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1946	Below Norma	0	0	0	0	0	8	0	0	2	0	0	0	1
1947	Dry	0	0	0	-1	0	0	2	2	2	2	2	2	1
1948	Below Norma	2	2	2	-2	-2	-1	0	0	0	0	0	0	0
1949	Dry	0	0	0	0	0	0	1	2	2	2	2	2	1
1950	Below Norma	1	1	1	0	0	0	0	0	0	0	0	0	1
1951	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	7	2	0	0	0	0	0	1
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	-1	0	0
1955	Dry	0	0	0	0	0	0	-3	-4	-4	-1	1	1	-1
1956	Wet	3	6	3	-1	0	0	0	0	0	0	0	0	1
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1961	Dry	0	0	0	0	14	5	0	0	0	0	0	0	2
1962	Below Norma	0	0	0	0	0	-49	-1	-1	2	0	0	0	-4
1963	Wet	-3	-3	-1	1	1	10	0	0	2	-5	-3	0	0
1964	Dry	0	0	0	11	1	6	7	-2	-4	-1	-5	-5	1
1965	Wet	-1	-1	2	1	0	0	0	0	0	0	0	0	0
1966	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	5	0	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	-1	0	0	0	0	0	0
1973	Above Norma	0	0	0	27	10	0	0	0	0	0	0	0	3
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	-7	0	0	0	0	0	0	0	-1
1976	Critical	0	0	0	0	8	0	0	0	0	0	0	0	1
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Norma	0	0	0	65	28	0	0	0	0	0	0	0	8
1979	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	Above Norma	0	0	0	0	8	0	0	0	0	0	0	0	1
1981	Dry	0	0	0	0	0	-7	0	0	0	0	0	0	-1
1982	Wet	0	0	0	0	0	5	1	0	0	0	0	0	1
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	-3	-2	4	-11	-1	-1
1986	Wet	-1	-1	-1	-1	-1	0	0	0	0	0	0	0	0
1987	Dry	0	0	0	1	0	1	1	1	1	1	1	1	1
1988	Critical	1	1	1	0	0	0	0	0	0	0	0	0	0
1989	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	-8	-1	-1	0	1	2	2	1	1	1	0
1991	Critical	1	0	0	0	0	0	2	3	4	3	3	3	2
1992	Critical	1	1	1	0	0	0	-2	-3	-3	-1	1	1	0
1993	Above Norma	3	4	3	0	-1	0	0	0	0	0	0	0	1
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	7	0	0	0	0	0	0	0	1
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	Above Norma	0	0	0	1	0	0	0	0	0	0	8	0	1
Average		0	0	0	2	2	0	0	0	0	0	0	0	0
Wet		-1	0	0	0	0	1	0	0	0	0	0	0	0
Above Norma		0	0	0	7	4	0	0	0	0	0	1	0	1
Below Norma		0	0	2	0	0	-3	0	0	0	0	0	0	0
Dry		0	0	0	5	5	0	1	0	0	0	-1	0	1
Critical		0	-1	-1	0	3	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy generated (GWh) at DCanyon: CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1923	Below Norma	0%	0%	0%	0%	0%	2%	5%	0%	0%	0%	0%	0%
1924	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1925	Dry	0%	0%	0%	2391%	30%	0%	0%	0%	0%	0%	0%	0%
1926	Dry	0%	0%	0%	0%	31%	0%	0%	0%	0%	0%	0%	0%
1927	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1928	Above Norma	0%	0%	0%	-3%	0%	0%	1%	1%	1%	1%	1%	1%
1929	Critical	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1930	Dry	0%	0%	0%	1%	0%	-1%	0%	0%	0%	0%	0%	0%
1931	Critical	0%	0%	0%	0%	1%	0%	-1%	-1%	-1%	-1%	-1%	-1%
1932	Dry	-1%	-1%	-1%	-1%	30%	-13%	4%	3%	3%	0%	-3%	-3%
1933	Critical	-7%	-11%	-10%	-4%	1%	0%	6%	5%	5%	2%	-1%	-1%
1934	Critical	-5%	-8%	-7%	-4%	175%	-2%	0%	0%	0%	0%	0%	0%
1935	Below Norma	0%	0%	0%	0%	0%	-1%	-1%	0%	0%	0%	0%	0%
1936	Below Norma	0%	1%	-3%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1937	Below Norma	-1%	3%	77%	0%	0%	2%	0%	0%	0%	0%	0%	0%
1938	Wet	0%	0%	0%	0%	0%	2%	1%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	0%	-7%	1%	1%	1%	1%	1%	1%
1940	Above Norma	1%	1%	1%	-2%	-1%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	5%	-2%	-2%	5%	1%	-2%	0%	-1%	-7%
1942	Wet	-10%	-2%	-2%	-1%	0%	1%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1944	Dry	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%
1945	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1946	Below Norma	0%	0%	0%	0%	0%	7%	0%	0%	2%	0%	0%	0%
1947	Dry	0%	0%	0%	-2%	0%	1%	2%	2%	2%	2%	2%	2%
1948	Below Norma	2%	2%	2%	-5%	-5%	-4%	0%	0%	0%	0%	0%	0%
1949	Dry	0%	0%	0%	0%	0%	1%	2%	2%	2%	2%	2%	2%
1950	Below Norma	2%	2%	2%	2%	3%	1%	0%	0%	0%	0%	0%	0%
1951	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	6%	1%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1955	Dry	0%	0%	0%	0%	0%	0%	-5%	-5%	-5%	-2%	1%	1%
1956	Wet	5%	10%	8%	-1%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1958	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1960	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1961	Dry	0%	0%	0%	1%	43%	8%	0%	0%	0%	0%	0%	0%
1962	Below Norma	0%	0%	0%	-1%	-2%	-46%	-1%	-1%	1%	0%	0%	0%
1963	Wet	-2%	-2%	0%	1%	1%	8%	0%	2%	2%	-4%	-2%	0%
1964	Dry	0%	0%	0%	15%	1%	4%	9%	-3%	-4%	-2%	-5%	-5%
1965	Wet	-1%	-1%	3%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1966	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%
1968	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1969	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1972	Below Norma	0%	0%	0%	0%	0%	0%	-2%	0%	0%	0%	0%	0%
1973	Above Norma	0%	0%	0%	28%	9%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	-7%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	8%	0%	0%	0%	0%	0%	0%	0%
1977	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1978	Above Norma	0%	0%	0%	2446%	29%	0%	0%	0%	0%	0%	0%	0%
1979	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1980	Above Norma	0%	0%	0%	0%	8%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	0%	-5%	0%	0%	0%	0%	0%	0%
1982	Wet	0%	0%	0%	0%	0%	4%	1%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	0%	-2%	-1%	5%	-13%	-1%
1986	Wet	-1%	-1%	-1%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%
1987	Dry	0%	0%	0%	1%	0%	1%	1%	1%	1%	1%	1%	1%
1988	Critical	1%	1%	1%	1%	1%	1%	0%	0%	0%	0%	0%	0%
1989	Dry	0%	0%	0%	0%	-2%	0%	0%	0%	0%	0%	0%	0%
1990	Critical	0%	0%	-6%	-20%	-11%	-2%	2%	2%	2%	2%	2%	2%
1991	Critical	2%	2%	2%	2%	2%	1%	5%	5%	5%	5%	5%	5%
1992	Critical	5%	5%	5%	4%	2%	1%	-3%	-3%	-3%	-1%	1%	1%
1993	Above Norma	4%	8%	6%	2%	-1%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1995	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1998	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norma	0%	0%	0%	0%	7%	0%	0%	0%	0%	0%	0%	0%
2001	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2002	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2003	Above Norma	0%	0%	0%	1%	0%	0%	0%	0%	0%	1%	131%	0%
Average		0%	0%	1%	59%	4%	0%	0%	0%	0%	0%	1%	0%
Wet		0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
Above Norma		0%	1%	1%	206%	4%	0%	0%	0%	0%	0%	11%	0%
Below Norma		0%	1%	6%	0%	0%	-3%	0%	0%	0%	0%	0%	0%
Dry		0%	0%	0%	134%	7%	-1%	1%	0%	0%	0%	-1%	0%
Critical		0%	-1%	-1%	-2%	15%	0%	1%	1%	1%	1%	0%	0%

Difference in Energy generated (GWh) at Mojave Dam : CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	1	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	7	2	0	0	0	0	0	0	0	1
1926	Dry	0	0	0	0	2	0	0	0	0	0	0	0	0
1927	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1932	Dry	0	0	0	0	2	0	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	2	0	0	0	0	0	0	0	0
1935	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	0	3	0	0	0	0	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1940	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	0	0	0	1	0	0	0	0	-1	0
1942	Wet	-1	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1945	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1946	Below Norma	0	0	0	0	0	1	0	0	0	0	0	0	0
1947	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1948	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1949	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1951	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	1	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1961	Dry	0	0	0	0	1	0	0	0	0	0	0	0	0
1962	Below Norma	0	0	0	0	0	-4	0	0	0	0	0	0	0
1963	Wet	0	0	0	0	0	1	0	0	0	0	0	0	0
1964	Dry	0	0	0	1	0	0	1	0	0	0	0	0	0
1965	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1966	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Norma	0	0	0	2	1	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	-1	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	1	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Norma	0	0	0	6	2	0	0	0	0	0	0	0	1
1979	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	Above Norma	0	0	0	0	1	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	-1	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	-1	0	0
1986	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	-1	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	1	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	Above Norma	0	0	0	0	0	0	0	0	0	0	1	0	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norma		0	0	0	1	0	0	0	0	0	0	0	0	0
Below Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Dry		0	0	0	0	0	0	0	0	0	0	0	0	0
Critical		0	0	0	0	0	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy generated (GWh) at Mojave Dam : CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1923	Below Norma	0%	0%	0%	0%	0%	2%	4%	0%	0%	0%	0%	0%
1924	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1925	Dry	0%	0%	0%	1425%	30%	0%	0%	0%	0%	0%	0%	0%
1926	Dry	0%	0%	0%	0%	31%	0%	0%	0%	0%	0%	0%	0%
1927	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1928	Above Norma	0%	0%	0%	-3%	0%	0%	1%	1%	1%	1%	1%	1%
1929	Critical	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1930	Dry	0%	0%	0%	1%	0%	-1%	0%	0%	0%	0%	0%	0%
1931	Critical	0%	0%	0%	0%	1%	0%	-1%	-1%	-1%	-1%	-1%	-1%
1932	Dry	-1%	-1%	-1%	-1%	30%	-13%	4%	3%	3%	0%	-3%	-3%
1933	Critical	-7%	-11%	-9%	-4%	1%	0%	6%	5%	5%	-2%	-1%	-1%
1934	Critical	-5%	-8%	-7%	-4%	146%	-2%	0%	0%	0%	0%	0%	0%
1935	Below Norma	0%	0%	0%	0%	0%	-1%	-1%	0%	0%	0%	0%	0%
1936	Below Norma	0%	1%	-3%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1937	Below Norma	-1%	3%	76%	0%	0%	2%	0%	0%	0%	0%	0%	0%
1938	Wet	0%	0%	0%	0%	0%	2%	1%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	0%	-5%	-1%	1%	1%	1%	1%	1%
1940	Above Norma	1%	1%	1%	-2%	-1%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	5%	-2%	-2%	5%	1%	-2%	0%	-1%	-7%
1942	Wet	-10%	-2%	-2%	-1%	0%	1%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1944	Dry	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%
1945	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1946	Below Norma	0%	0%	0%	0%	0%	7%	0%	0%	2%	0%	0%	0%
1947	Dry	0%	0%	0%	-2%	0%	1%	2%	2%	2%	2%	2%	2%
1948	Below Norma	2%	2%	2%	-5%	-5%	-4%	0%	0%	0%	0%	0%	0%
1949	Dry	0%	0%	0%	0%	0%	1%	2%	2%	2%	2%	2%	2%
1950	Below Norma	2%	2%	2%	2%	2%	1%	0%	0%	0%	0%	0%	0%
1951	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	6%	1%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1955	Dry	0%	0%	0%	0%	0%	0%	-4%	-5%	-5%	-2%	1%	1%
1956	Wet	5%	10%	8%	-1%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1958	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1960	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1961	Dry	0%	0%	0%	1%	40%	8%	0%	0%	0%	0%	0%	0%
1962	Below Norma	0%	0%	0%	-1%	-2%	-44%	-2%	-1%	1%	0%	0%	0%
1963	Wet	-2%	-2%	0%	1%	1%	8%	0%	2%	-4%	-2%	0%	0%
1964	Dry	0%	0%	0%	15%	1%	4%	9%	-2%	-4%	-2%	-5%	-5%
1965	Wet	-1%	-1%	3%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1966	Below Norma	0%	0%	0%	0%	0%	1%	-2%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%
1968	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1969	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1972	Below Norma	0%	0%	0%	0%	0%	0%	-2%	0%	0%	0%	0%	0%
1973	Above Norma	0%	0%	0%	27%	9%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	-7%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	8%	0%	0%	0%	0%	0%	0%	0%
1977	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1978	Above Norma	0%	0%	0%	1286%	29%	0%	0%	0%	0%	0%	0%	0%
1979	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1980	Above Norma	0%	0%	0%	0%	8%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	0%	-5%	0%	0%	0%	0%	0%	0%
1982	Wet	0%	0%	0%	0%	0%	4%	1%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	0%	-2%	-1%	5%	-13%	-1%
1986	Wet	-1%	-1%	-1%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%
1987	Dry	0%	0%	0%	1%	0%	1%	1%	1%	1%	1%	1%	1%
1988	Critical	1%	1%	1%	1%	1%	1%	0%	0%	0%	0%	0%	0%
1989	Dry	0%	0%	0%	0%	-2%	-1%	0%	0%	0%	0%	0%	0%
1990	Critical	0%	0%	-6%	-19%	-11%	-1%	2%	2%	2%	2%	2%	2%
1991	Critical	2%	2%	2%	2%	2%	1%	4%	5%	5%	4%	5%	5%
1992	Critical	5%	5%	5%	4%	2%	-25%	0%	-3%	-3%	-1%	1%	1%
1993	Above Norma	4%	8%	6%	2%	-1%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1995	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1998	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norma	0%	0%	0%	0%	7%	0%	0%	0%	0%	0%	0%	0%
2001	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2002	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2003	Above Norma	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	106%	0%
Average		0%	0%	1%	33%	4%	-1%	0%	0%	0%	0%	1%	0%
Wet		0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
Above Norma		0%	1%	1%	109%	4%	0%	0%	0%	0%	0%	9%	0%
Below Norma		0%	1%	5%	0%	0%	-3%	0%	0%	0%	0%	0%	0%
Dry		0%	0%	0%	80%	7%	0%	1%	0%	0%	0%	-1%	0%
Critical		0%	-1%	-1%	-2%	13%	-2%	1%	1%	1%	1%	0%	0%

Difference in Energy generated (GWh) at Oroville Dam: CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	0	0	0	0	1	0	0	0	0	0	0
1927	Wet	-1	0	0	0	2	0	0	0	0	0	0	5	1
1928	Above Norma	0	0	0	0	0	0	0	0	0	1	0	0	0
1929	Critical	2	0	0	0	0	0	0	0	0	-5	1	0	0
1930	Dry	0	0	0	0	0	0	0	0	2	53	-34	-5	1
1931	Critical	-4	0	-10	0	19	0	-1	-1	-23	-4	2	0	-2
1932	Dry	12	9	-2	0	0	-1	-1	-1	-1	-1	-1	-1	1
1933	Critical	-1	-1	0	0	0	-1	-1	-1	-1	-1	-1	-12	-2
1934	Critical	-2	-6	0	0	0	0	0	0	0	0	-2	4	-1
1935	Below Norma	-1	0	0	0	0	0	0	1	-1	-5	2	3	0
1936	Below Norma	0	0	-1	0	0	0	0	-1	0	-1	-1	0	0
1937	Below Norma	0	0	0	0	0	0	0	0	-1	-1	-1	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	0	1	-11	-31	10	2	-2
1940	Above Norma	2	1	2	0	0	2	0	0	3	-4	-6	-4	0
1941	Wet	1	0	0	1	1	0	0	0	-9	-10	0	0	-1
1942	Wet	19	0	0	0	0	0	0	0	0	0	0	0	2
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	-1	0	1	0	-1	0	0	0	0	-1	0
1945	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1946	Below Norma	0	0	0	0	1	0	0	0	0	16	22	-17	2
1947	Dry	-2	-23	0	-10	0	0	0	0	8	3	3	1	-2
1948	Below Norma	3	0	0	0	0	0	0	0	0	1	3	-1	0
1949	Dry	-1	0	0	0	-31	1	1	1	1	12	37	-17	0
1950	Below Norma	20	-21	-5	0	0	0	0	0	19	0	15	15	4
1951	Above Norma	-2	-50	0	0	0	0	0	0	1	-1	0	37	-1
1952	Wet	-10	-1	0	-31	0	0	0	0	0	0	0	0	-4
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	-1	0
1955	Dry	0	0	0	0	1	0	0	0	0	0	-15	1	-1
1956	Wet	1	0	17	0	0	0	0	0	0	0	0	0	2
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	0	2	0
1958	Wet	0	0	0	-3	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	-1	0	1	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	0	-6	9	-1	0	0
1961	Dry	0	0	0	0	0	0	0	0	0	0	127	0	11
1962	Below Norma	-25	-4	-2	-2	-1	-1	-3	-3	-66	-7	-56	32	-11
1963	Wet	-1	-1	-1	-1	-80	0	0	0	0	-23	-16	1	-10
1964	Dry	0	0	0	0	0	0	21	-2	-9	9	25	-20	2
1965	Wet	1	1	26	0	0	0	0	0	6	-21	-3	0	1
1966	Below Norma	18	0	0	0	0	0	0	0	-2	-8	1	-3	0
1967	Wet	1	0	0	14	0	0	0	0	0	0	0	0	1
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	-1	1	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	0	0	-6	2	4	0	0
1973	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	Below Norma	0	0	-2	2	0	0	0	0	0	0	-9	1	-1
1980	Above Norma	3	0	0	6	0	0	0	0	0	0	0	0	1
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	2	0
1982	Wet	2	0	0	0	0	0	0	0	0	-2	2	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	1	-1	14	-2	-2	-14	0
1986	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	Dry	0	0	0	0	0	0	0	0	-5	1	1	1	0
1988	Critical	0	0	0	0	0	0	0	0	0	2	0	0	0
1989	Dry	0	0	0	0	0	0	0	-1	-24	7	2	19	0
1990	Critical	0	0	-24	0	0	0	1	1	1	10	1	1	-1
1991	Critical	1	0	0	0	0	0	0	1	1	1	1	1	1
1992	Critical	0	0	0	0	0	0	0	1	1	1	14	2	2
1993	Above Norma	7	0	0	0	0	-10	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	1	0	0	0	-1	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	3	0	0	0	0
1997	Wet	0	-5	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	-1	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	-1	0	0	-1	0
2003	Above Norma	0	0	0	0	0	1	0	0	0	0	0	0	0
Average		1	-1	0	0	-1	0	0	0	-1	0	2	0	0
Wet		0	0	2	-1	-3	0	0	0	0	-2	-1	0	0
Above Norma		1	-4	0	1	0	-1	0	0	0	0	-1	3	0
Below Norma		1	-2	-1	0	0	0	0	0	-4	0	-1	2	0
Dry		1	-1	0	-1	-2	0	1	0	-2	3	9	-2	1
Critical		0	-1	-3	0	2	0	0	0	-2	0	1	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy generated (GWh) at Oroville Dam: CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1923	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1924	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1925	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1926	Dry	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%
1927	Wet	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	3%
1928	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1929	Critical	2%	0%	0%	0%	0%	0%	0%	0%	0%	-3%	1%	0%
1930	Dry	0%	0%	0%	0%	0%	0%	0%	0%	1%	30%	-15%	-4%
1931	Critical	-4%	0%	-13%	0%	48%	-1%	-1%	-1%	-10%	-2%	1%	0%
1932	Dry	30%	39%	-2%	-2%	-2%	-1%	-1%	-1%	-1%	-1%	-1%	-1%
1933	Critical	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-15%
1934	Critical	-4%	-13%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	4%
1935	Below Norma	-1%	0%	0%	0%	0%	-1%	0%	0%	0%	-2%	1%	2%
1936	Below Norma	0%	0%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1937	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1938	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	0%	0%	0%	1%	-4%	-10%	4%	2%
1940	Above Norma	2%	2%	6%	2%	1%	0%	0%	1%	1%	-1%	-2%	-4%
1941	Wet	1%	1%	0%	2%	0%	0%	0%	0%	-4%	-4%	0%	0%
1942	Wet	11%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1944	Dry	0%	0%	-1%	0%	2%	0%	-1%	0%	0%	0%	0%	-1%
1945	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1946	Below Norma	0%	0%	0%	0%	1%	0%	0%	0%	0%	4%	7%	-9%
1947	Dry	-2%	-33%	0%	-18%	1%	0%	0%	0%	6%	1%	1%	1%
1948	Below Norma	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	-1%
1949	Dry	-1%	0%	0%	0%	-25%	1%	1%	1%	1%	4%	30%	-13%
1950	Below Norma	33%	-32%	-16%	0%	0%	0%	0%	0%	8%	0%	9%	17%
1951	Above Norma	2%	-16%	0%	0%	0%	0%	0%	0%	0%	0%	0%	21%
1952	Wet	-8%	-1%	-1%	-19%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%
1955	Dry	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	-9%	1%
1956	Wet	1%	1%	9%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	3%
1958	Wet	0%	0%	0%	-2%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%
1960	Dry	0%	0%	0%	0%	0%	0%	0%	0%	-2%	3%	0%	0%
1961	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%
1962	Below Norma	-20%	-9%	-8%	-7%	-6%	-5%	-3%	-3%	-17%	-2%	-20%	21%
1963	Wet	-4%	-3%	-2%	-2%	-16%	0%	0%	0%	0%	-6%	-7%	1%
1964	Dry	1%	1%	1%	1%	1%	1%	9%	-1%	-3%	3%	10%	-16%
1965	Wet	1%	1%	18%	0%	0%	0%	0%	0%	4%	-8%	-3%	0%
1966	Below Norma	13%	0%	0%	0%	0%	0%	0%	0%	-1%	-2%	0%	-3%
1967	Wet	1%	1%	0%	14%	0%	0%	0%	0%	0%	0%	0%	0%
1968	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1969	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%	0%
1972	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	-2%	1%	2%	0%
1973	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1977	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1978	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1979	Below Norma	0%	0%	-3%	2%	0%	0%	0%	0%	0%	0%	-6%	1%
1980	Above Norma	3%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%
1982	Wet	2%	0%	0%	0%	0%	0%	0%	0%	0%	-2%	2%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	1%	0%	4%	0%	-1%	-11%
1986	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1987	Dry	0%	0%	0%	0%	0%	0%	0%	0%	-2%	1%	0%	1%
1988	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%
1989	Dry	0%	0%	0%	0%	0%	0%	0%	-1%	-8%	2%	1%	28%
1990	Critical	0%	0%	-19%	2%	2%	2%	1%	1%	1%	8%	1%	1%
1991	Critical	2%	-1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%
1992	Critical	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	13%	2%
1993	Above Norma	9%	1%	0%	-1%	0%	-4%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%	0%	0%
1995	Wet	1%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%
1997	Wet	0%	-3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1998	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2001	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2002	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%
2003	Above Norma	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
Average		1%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%
Wet		0%	0%	1%	0%	-1%	0%	0%	0%	0%	-1%	0%	0%
Above Norma		1%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	2%
Below Norma		2%	-3%	-2%	0%	0%	0%	0%	0%	-1%	0%	-1%	2%
Dry		2%	0%	0%	-1%	-1%	0%	1%	0%	-1%	2%	7%	-1%
Critical		0%	-1%	-3%	0%	4%	0%	0%	0%	-1%	0%	1%	-1%

Energy generated (GWh) at SWP San Luis: CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	13.31	11.07	0.00	0.00	0.00	0.00	11.79	20.98	19.52	57.41	45.16	1.04	180
1923	Below Normal	0.37	0.00	0.00	0.00	2.60	21.44	15.42	47.15	48.80	13.21	6.42	0.00	155
1924	Critical	0.00	6.92	0.00	0.00	18.93	9.27	7.60	8.30	0.00	7.08	0.00	0.00	58
1925	Dry	0.00	0.00	0.00	0.00	0.00	1.97	0.00	0.00	59.03	61.18	25.79	0.00	148
1926	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	62.24	45.06	59.26	19.43	7.43	193
1927	Wet	0.00	0.00	0.00	0.00	0.00	0.00	20.75	48.24	45.38	36.46	32.93	0.00	184
1928	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	20.56	46.17	47.56	46.21	1.45	0.00	162
1929	Critical	5.02	0.00	0.00	0.00	0.00	0.00	14.12	41.04	40.23	35.66	0.00	3.58	140
1930	Dry	0.00	0.00	0.00	0.00	0.00	0.00	17.17	44.22	52.26	58.68	14.22	1.53	188
1931	Critical	1.86	0.00	0.00	0.00	7.96	0.00	26.26	27.58	0.58	6.87	0.00	5.13	76
1932	Dry	0.10	0.00	0.00	0.00	0.00	0.00	31.13	10.04	63.71	49.58	28.22	0.10	183
1933	Critical	0.00	0.00	0.00	0.00	0.00	0.00	12.43	28.14	56.78	62.71	34.27	8.07	202
1934	Critical	0.00	0.00	0.00	0.00	0.00	0.00	32.71	50.72	54.83	53.84	7.70	2.86	203
1935	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	111.69	37.63	39.77	15.89	3.09	208
1936	Below Normal	3.47	8.65	0.00	0.00	0.00	0.00	11.08	51.47	87.08	23.80	20.69	6.27	213
1937	Below Normal	4.02	18.60	0.00	0.00	0.00	0.00	0.00	50.17	52.67	56.25	27.43	5.52	215
1938	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.97	39.47	48.60	0.00	94
1939	Dry	0.00	0.00	0.00	0.12	8.18	1.25	71.71	48.54	46.54	18.85	5.35	0.00	201
1940	Above Normal	0.00	10.94	0.67	0.00	0.00	0.00	15.64	48.37	63.80	25.09	16.53	4.08	185
1941	Wet	0.00	0.00	0.00	0.00	0.00	0.00	4.42	3.76	70.72	58.17	31.94	0.00	169
1942	Wet	0.00	0.00	0.00	0.00	0.00	0.00	4.42	10.40	12.99	79.84	21.91	0.00	130
1943	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.13	64.35	36.85	32.53	0.00	188
1944	Dry	0.00	0.00	0.00	0.00	0.00	7.39	50.87	58.24	37.70	6.43	4.82	0.00	165
1945	Below Normal	2.02	0.00	0.00	0.00	0.00	37.53	43.02	48.58	35.02	15.31	12.01	0.00	193
1946	Below Normal	0.00	0.00	0.00	0.00	49.63	0.00	43.53	43.65	35.05	1.69	2.02	0.00	176
1947	Dry	0.00	0.00	0.00	0.00	0.00	0.00	54.06	78.58	62.16	7.29	6.09	0.00	208
1948	Below Normal	0.00	0.00	16.66	0.00	10.95	0.00	0.00	38.44	42.30	7.17	14.50	0.00	130
1949	Dry	0.00	8.92	0.00	0.00	0.00	0.00	11.18	43.58	54.41	0.00	21.99	0.00	140
1950	Below Normal	5.89	0.00	0.00	0.00	0.00	0.00	21.81	55.75	43.05	40.20	28.92	0.00	196
1951	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	57.33	46.12	51.42	27.94	8.58	0.00	191
1952	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.79	14.80	17.69	0.00	37
1953	Wet	0.00	0.00	0.00	0.08	19.63	0.00	33.99	28.74	32.24	18.35	56.94	0.00	190
1954	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	29.78	48.68	64.32	22.66	12.12	0.38	178
1955	Dry	0.00	0.00	0.00	0.00	7.97	1.57	9.26	16.63	49.45	41.23	3.54	0.00	130
1956	Wet	0.00	0.00	0.00	0.00	0.00	0.00	19.97	20.27	12.47	78.58	35.62	0.00	167
1957	Above Normal	0.00	14.17	0.00	0.00	0.00	0.00	82.75	27.94	19.20	24.45	0.00	0.00	169
1958	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.74	7.47	33.42	18.51	0.00	62
1959	Below Normal	0.00	0.00	0.00	0.09	0.00	53.48	43.73	47.87	33.25	14.38	0.00	4.95	198
1960	Dry	0.00	6.92	0.00	0.00	0.00	0.00	55.43	41.95	35.31	35.11	5.37	0.00	180
1961	Dry	3.31	0.00	0.00	0.00	0.00	0.00	43.21	63.14	65.68	29.14	5.80	0.29	211
1962	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	51.41	88.96	34.73	9.32	8.19	0.00	193
1963	Wet	0.00	0.00	0.00	0.00	0.00	0.00	20.07	35.98	49.19	27.67	25.67	0.00	159
1964	Dry	0.00	0.00	0.00	0.00	39.35	38.99	26.33	31.12	19.04	0.00	0.00	0.00	155
1965	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.67	59.20	39.15	36.27	0.00	188
1966	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	48.01	56.67	46.03	24.13	8.53	4.37	188
1967	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.25	19.11	22.19	0.00	51
1968	Below Normal	0.00	0.00	0.00	0.13	0.00	0.00	71.98	50.78	34.49	17.88	0.00	13.12	188
1969	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.09	45.38	36.84	0.00	87
1970	Wet	0.00	0.00	0.00	0.09	0.00	0.00	34.74	57.40	50.98	19.86	18.98	1.69	184
1971	Wet	0.00	0.00	0.00	0.00	61.23	0.00	34.34	29.32	26.36	14.86	8.28	0.00	174
1972	Below Normal	0.00	3.39	0.00	0.00	0.00	0.00	15.92	26.12	28.88	26.99	1.59	0.00	103
1973	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	45.46	43.08	42.01	29.61	4.95	3.71	169
1974	Wet	0.00	0.00	0.00	0.00	0.00	0.00	12.48	40.13	41.66	49.40	13.04	0.00	157
1975	Wet	0.00	0.00	0.00	0.00	0.00	0.00	16.40	31.31	13.79	65.88	10.31	0.00	138
1976	Critical	0.00	0.00	0.00	0.00	9.88	0.00	53.38	48.07	26.30	45.56	3.36	0.00	187
1977	Critical	0.00	0.00	0.00	0.00	5.81	1.63	6.71	7.06	6.58	9.88	0.00	0.00	38
1978	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.60	74.72	43.60	0.00	173
1979	Below Normal	4.30	0.00	13.58	0.00	0.00	0.00	40.49	29.28	35.34	29.46	38.94	0.41	192
1980	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.56	43.34	42.83	16.70	0.00	121
1981	Dry	0.00	8.85	0.00	0.00	0.00	0.00	42.24	53.93	48.89	19.73	21.65	0.00	195
1982	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.55	13.25	59.74	16.51	0.00	90
1983	Wet	0.00	0.00	0.00	0.13	0.00	0.00	0.00	0.00	0.00	0.00	17.87	0.00	18
1984	Wet	0.00	0.00	0.00	0.12	0.00	0.00	57.98	52.76	45.54	24.39	11.92	0.00	193
1985	Dry	0.00	0.00	0.00	0.00	0.00	34.82	50.36	42.41	30.67	0.00	0.00	0.00	158
1986	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.18	84.40	34.54	0.00	171
1987	Dry	0.00	0.00	0.00	0.00	0.00	0.00	68.44	46.35	40.20	29.96	3.35	0.00	188
1988	Critical	2.29	8.76	0.00	0.00	9.34	5.54	8.07	28.57	27.92	20.39	0.00	3.35	114
1989	Dry	0.57	0.00	0.00	0.00	0.00	0.00	51.42	69.27	49.39	19.58	7.63	1.50	199
1990	Critical	0.00	8.47	5.25	0.00	0.00	0.00	28.32	19.94	33.65	26.54	0.00	0.00	122
1991	Critical	0.00	0.00	0.00	0.00	0.00	0.00	15.62	17.27	41.18	27.27	10.37	6.72	118
1992	Critical	0.00	2.36	0.00	0.00	0.00	0.00	14.08	50.86	54.12	47.99	19.39	3.75	193
1993	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	28.87	38.94	16.34	48.16	54.07	0.00	186
1994	Critical	0.00	11.22	0.00	0.00	0.00	6.54	24.63	29.05	27.86	0.00	0.00	0.00	99
1995	Wet	1.59	0.00	0.00	0.00	0.00	0.00	0.00	5.72	18.12	16.20	23.14	0.00	65
1996	Wet	0.00	0.86	0.00	0.11	0.00	0.00	0.00	7.70	72.74	55.22	34.57	0.00	171
1997	Wet	13.94	0.00	0.00	0.00	0.00	0.00	16.67	27.57	57.94	43.74	34.99	0.00	195
1998	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.70	13.67	11.56	19.03	0.00	45
1999	Wet	0.00	0.00	0.00	0.12	0.00	0.00	6.41	40.47	44.20	47.38	33.85	0.00	172
2000	Above Normal	4.20	0.00	0.00	0.00	0.00	0.00	44.06	52.60	52.20	17.68	12.33	0.00	183
2001	Dry	0.00	0.00	0.00	0.00	0.00	0.00	5.75	56.65	63.99	56.45	9.48	0.00	192
2002	Dry	5.71	0.00	0.00	0.00	49.43	0.00	35.76	42.41	51.51	15.04	5.54	0.00	205
2003	Above Normal	7.14	9.68	0.00	0.00	53.78	0.00	21.38	29.52	27.66	0.00	0.00	0.00	149
Average		1	2	0	0	4	3	23	35	39	32	17	1	157
Wet		1	0	0	0	3	0	11	21	32	39	27	0	134
Above Normal		2	4	0	0	4	0	30	35	42	35	18	1	171
Below Normal		1	2	2	0	5	8	29	53	42	23	13	3	182
Dry		1	1	0	0	6	5	35	45	49	28	10	1	180
Critical		1	3	0	0	4	2	20	30	31	29	6	3	12

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Energy generated (GWh) at SWP San Luis: CP4B_2020

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	13.31	11.07	0.00	0.00	0.00	0.00	11.79	20.98	19.52	57.41	45.16	1.04	180
1923	Below Normal	0.37	0.00	0.00	0.00	2.60	21.44	15.42	47.15	48.80	13.21	6.42	0.00	155
1924	Critical	0.00	6.92	0.00	0.00	18.93	9.27	7.60	8.30	0.00	7.08	0.00	0.00	58
1925	Dry	0.00	0.00	0.00	0.00	0.00	1.97	0.00	0.00	59.04	61.19	25.98	0.00	148
1926	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	62.16	45.06	59.33	19.40	7.74	194
1927	Wet	0.00	0.00	0.00	0.00	0.00	0.00	20.75	48.13	45.00	35.66	32.48	0.00	182
1928	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	21.24	46.72	48.24	46.46	2.74	0.00	165
1929	Critical	4.67	0.00	0.00	0.00	0.00	0.00	14.35	41.54	41.05	25.44	0.00	3.75	131
1930	Dry	0.00	0.00	0.00	0.00	0.00	0.00	17.19	46.81	51.37	46.23	24.58	3.12	189
1931	Critical	0.91	0.00	0.00	0.00	8.16	0.00	26.30	27.63	4.48	9.02	0.00	4.80	81
1932	Dry	0.00	0.00	0.00	0.00	0.00	0.00	31.11	9.67	63.32	48.82	27.31	0.00	180
1933	Critical	0.00	0.00	0.00	0.00	0.00	0.00	12.63	27.98	56.58	61.76	32.96	10.47	202
1934	Critical	0.00	0.00	0.00	0.00	0.00	0.00	32.56	50.54	54.70	54.21	8.49	1.17	202
1935	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	111.45	37.75	40.86	15.57	2.26	208
1936	Below Normal	3.43	8.76	0.00	0.00	0.00	0.00	10.76	51.55	86.96	23.96	20.82	6.15	212
1937	Below Normal	3.78	18.98	0.00	0.00	0.00	0.00	0.00	49.55	52.93	56.59	27.87	5.51	215
1938	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.97	39.46	48.59	0.00	94
1939	Dry	0.00	0.00	0.00	0.12	0.00	0.00	66.70	51.33	46.79	29.71	4.64	0.00	199
1940	Above Normal	0.00	11.57	0.69	0.00	0.00	0.00	15.95	48.60	59.28	26.06	15.47	5.56	183
1941	Wet	0.00	0.00	0.00	0.00	0.00	0.00	4.10	3.34	75.07	61.99	31.78	0.00	176
1942	Wet	0.00	0.00	0.00	0.00	0.00	0.00	4.32	10.29	12.88	79.80	21.89	0.00	129
1943	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.13	64.35	36.86	32.54	0.00	188
1944	Dry	0.00	0.00	0.00	0.00	0.00	7.22	50.82	58.21	37.60	6.41	4.94	0.00	165
1945	Below Normal	2.01	0.00	0.00	0.00	0.00	37.31	43.17	48.64	34.98	15.07	12.16	0.00	193
1946	Below Normal	0.00	0.00	0.00	0.00	49.25	0.00	43.76	43.99	35.97	1.61	1.00	0.00	176
1947	Dry	0.00	0.00	0.00	0.00	0.00	0.00	55.09	80.28	60.82	7.06	6.17	0.00	209
1948	Below Normal	0.00	0.00	17.70	0.00	10.41	0.00	0.00	39.61	42.16	7.15	13.99	0.00	131
1949	Dry	0.00	9.30	0.00	0.00	0.00	0.00	11.84	43.91	46.60	0.00	14.53	0.00	126
1950	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	21.48	57.01	43.91	40.81	30.94	0.00	194
1951	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	57.28	46.44	53.26	30.96	9.05	0.00	197
1952	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.79	14.80	17.69	0.00	37
1953	Wet	0.00	0.00	0.00	0.08	19.63	0.00	33.71	28.74	32.25	18.37	56.98	0.00	190
1954	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	29.78	48.68	64.42	22.53	12.04	0.57	178
1955	Dry	0.00	0.00	0.00	0.00	7.50	0.00	8.44	16.78	49.63	43.00	10.28	0.46	136
1956	Wet	0.00	0.00	0.00	0.00	0.00	0.00	19.96	20.24	12.43	78.53	35.52	0.00	167
1957	Above Normal	0.00	14.08	0.00	0.00	0.00	0.00	82.78	27.95	19.21	24.47	0.00	0.00	168
1958	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.75	7.48	33.43	18.51	0.00	62
1959	Below Normal	0.00	0.00	0.00	0.09	0.00	53.48	43.73	47.87	33.03	14.50	0.00	4.97	198
1960	Dry	0.00	6.92	0.00	0.00	0.00	0.00	55.45	41.62	35.81	31.91	5.43	0.00	177
1961	Dry	3.30	0.00	0.00	0.00	0.00	0.00	43.21	63.23	65.81	29.15	5.39	0.00	210
1962	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	44.93	91.37	44.78	13.22	9.40	0.00	204
1963	Wet	0.00	0.00	0.00	0.00	0.00	0.00	21.00	36.37	50.32	34.12	30.53	0.00	172
1964	Dry	0.00	0.00	0.00	0.00	39.35	44.45	28.03	29.82	20.46	0.00	0.00	0.00	162
1965	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.67	36.63	51.17	38.70	0.00	180
1966	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	43.31	56.81	46.82	25.73	8.50	4.36	186
1967	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.99	18.86	21.97	0.00	50
1968	Below Normal	0.00	0.00	0.00	0.13	0.00	0.00	71.98	50.78	34.49	17.88	0.00	13.12	188
1969	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.07	45.36	36.83	0.00	87
1970	Wet	0.00	0.00	0.00	0.09	0.00	0.00	34.74	57.40	50.98	19.86	18.98	1.69	184
1971	Wet	0.00	0.00	0.00	0.00	61.23	0.00	34.33	29.32	26.36	14.86	8.28	0.00	174
1972	Below Normal	0.00	3.38	0.00	0.00	0.00	0.00	15.24	26.05	30.90	26.21	0.83	0.00	103
1973	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	45.42	43.09	42.02	29.61	5.75	3.72	170
1974	Wet	0.00	0.00	0.00	0.00	0.00	0.00	12.48	40.13	41.66	49.40	13.04	0.00	157
1975	Wet	0.00	0.00	0.00	0.00	0.00	0.00	16.40	31.31	13.80	65.92	10.32	0.00	138
1976	Critical	0.00	0.00	0.00	0.00	9.88	0.00	53.40	48.10	26.38	45.53	3.38	0.00	187
1977	Critical	0.00	0.00	0.00	0.00	5.81	1.64	6.71	7.04	6.58	9.89	0.00	0.00	38
1978	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.60	74.72	43.60	0.00	173
1979	Below Normal	4.30	0.00	13.60	0.00	0.00	0.00	40.29	29.51	35.18	26.10	42.99	1.02	193
1980	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.65	43.41	42.88	16.73	0.00	122
1981	Dry	0.00	8.88	0.00	0.00	0.00	0.00	42.66	53.91	48.82	19.60	22.07	0.00	196
1982	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.55	13.25	59.73	16.52	0.00	90
1983	Wet	0.00	0.00	0.00	0.13	0.00	0.00	0.00	0.00	0.00	0.00	17.87	0.00	18
1984	Wet	0.00	0.00	0.00	0.12	0.00	0.00	57.98	52.76	45.54	24.39	11.91	0.00	193
1985	Dry	0.00	0.00	0.00	0.00	0.00	44.46	50.54	41.79	25.94	0.00	0.00	0.00	163
1986	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.30	85.06	35.86	0.00	171
1987	Dry	0.00	0.00	0.00	0.00	0.00	0.00	69.05	47.08	42.68	29.96	3.39	0.00	192
1988	Critical	2.53	8.73	0.00	0.00	9.50	5.56	8.05	28.45	27.81	19.71	0.00	3.36	114
1989	Dry	0.57	0.00	0.00	0.00	0.00	0.00	51.10	72.49	53.50	20.54	7.91	0.00	206
1990	Critical	0.00	12.26	9.28	0.00	0.00	0.00	28.76	20.50	34.17	24.03	0.00	0.00	129
1991	Critical	0.00	0.00	0.00	0.00	0.00	0.00	16.72	18.72	42.56	27.76	15.88	7.21	129
1992	Critical	0.00	3.40	0.00	0.00	0.00	0.00	19.57	50.87	53.96	47.25	15.33	3.88	194
1993	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	28.97	38.89	16.32	47.98	53.93	0.00	186
1994	Critical	0.00	11.22	0.00	0.00	0.00	6.53	24.62	29.05	27.83	0.00	0.00	0.00	99
1995	Wet	1.60	0.00	0.00	0.00	0.00	0.00	0.00	5.70	18.11	16.18	23.13	0.00	65
1996	Wet	0.00	0.84	0.00	0.11	0.00	0.00	0.00	7.70	72.83	55.63	34.81	0.00	172
1997	Wet	14.05	0.00	0.00	0.00	0.00	0.00	16.67	27.58	58.09	43.95	35.06	0.00	195
1998	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.69	13.67	11.55	19.02	0.00	45
1999	Wet	0.00	0.00	0.00	0.12	0.00	0.00	6.41	40.47	44.20	47.39	33.85	0.00	172
2000	Above Normal	4.19	0.00	0.00	0.00	0.00	0.00	44.05	52.57	52.20	17.68	12.32	0.00	183
2001	Dry	0.00	0.00	0.00	0.00	0.00	0.00	5.78	56.60	64.03	56.50	9.64	0.00	193
2002	Dry	5.72	0.00	0.00	0.00	49.55	0.00	35.79	42.43	51.71	14.93	5.38	0.00	206
2003	Above Normal	7.15	9.67	0.00	0.00	53.75	0.00	21.41	29.49	27.62	0.00	0.00	0.00	149
Average		1	2	1	0	4	3	23	35	39	32	17	1	158
Wet		1	0	0	0	3	0	11	21	31	40	27	0	134
Above Normal		2	4	0	0	4	0	30	35	42	35	18	1	171
Below Normal		1	2	2	0	4	8	28	54	43	23	14	3	183
Dry		1	1	0	0	5	5	35	45	48	28	11	1	181
Critical		1	4	1	0	4	2	21	30	31	28	6</		

Difference in Energy generated (GWh) at SWP San Luis: CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1927	Wet	0	0	0	0	0	0	0	0	0	-1	0	0	0
1928	Above Norma	0	0	0	0	0	0	1	1	1	0	1	0	0
1929	Critical	0	0	0	0	0	0	0	1	1	-10	0	0	-1
1930	Dry	0	0	0	0	0	0	0	3	-1	-12	10	2	0
1931	Critical	-1	0	0	0	0	0	0	0	4	2	0	0	0
1932	Dry	0	0	0	0	0	0	0	0	0	-1	-1	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	-1	-1	2	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	1	-2	0
1935	Below Norma	0	0	0	0	0	0	0	0	0	1	0	-1	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	0	0	0	0	0	0	-1	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	-8	-1	-5	3	0	11	-1	0	0
1940	Above Norma	0	1	0	0	0	0	0	0	-5	1	-1	1	0
1941	Wet	0	0	0	0	0	0	0	0	4	4	0	0	1
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1945	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1946	Below Norma	0	0	0	0	0	0	0	1	0	-1	0	0	0
1947	Dry	0	0	0	0	0	0	1	2	-1	0	0	0	0
1948	Below Norma	0	0	1	0	-1	0	0	1	0	0	-1	0	0
1949	Dry	0	0	0	0	0	0	1	0	-8	0	-7	0	-1
1950	Below Norma	-6	0	0	0	0	0	0	1	1	1	2	0	0
1951	Above Norma	0	0	0	0	0	0	0	2	3	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	-2	-1	0	0	2	7	0	1
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	0	1	-3	0	0	0
1961	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Norma	0	0	0	0	0	0	-6	2	10	4	1	0	1
1963	Wet	0	0	0	0	0	0	1	0	1	6	5	0	1
1964	Dry	0	0	0	0	0	5	2	-1	1	0	0	0	1
1965	Wet	0	0	0	0	0	0	0	0	-23	12	2	0	-1
1966	Below Norma	0	0	0	0	0	0	-5	0	1	2	0	0	0
1967	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	-1	0	2	-1	-1	0	0
1973	Above Norma	0	0	0	0	0	0	0	0	0	0	1	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	Below Norma	0	0	0	0	0	0	0	0	0	-3	4	1	0
1980	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	10	0	-1	-5	0	0	0	0
1986	Wet	0	0	0	0	0	0	0	0	-2	1	1	0	0
1987	Dry	0	0	0	0	0	0	1	1	2	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	-1	0	0	0
1989	Dry	0	0	0	0	0	0	0	3	4	1	0	-2	1
1990	Critical	0	4	4	0	0	0	0	1	1	-3	0	0	1
1991	Critical	0	0	0	0	0	0	1	1	1	0	6	0	1
1992	Critical	0	1	0	0	0	0	5	0	0	-1	-4	0	0
1993	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	-1	1	0	0	0
Above Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Below Norma		0	0	0	0	0	0	-1	0	1	0	0	0	0
Dry		0	0	0	0	0	1	0	0	0	0	0	0	0
Critical		0	0	0	0	0	0	1	0	1	-1	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy generated (GWh) at SWP San Luis: CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	-	-	-	-	0%	0%	0%	0%	0%	0%
1923	Below Norma	0%	-	-	-	0%	0%	0%	0%	0%	0%	0%	-
1924	Critical	-	0%	-	-	-	0%	0%	0%	-	0%	-	-
1925	Dry	-	-	-	-	-	0%	-	-	0%	0%	1%	-
1926	Dry	-	-	-	-	-	-	-	0%	0%	0%	0%	4%
1927	Wet	-	-	-	-	-	-	0%	0%	-1%	-2%	-1%	-
1928	Above Norma	-	-	-	-	-	-	3%	1%	1%	1%	89%	-
1929	Critical	-7%	-	-	-	-	-	2%	1%	2%	-29%	-	5%
1930	Dry	-	-	-	-	-	-	0%	6%	-2%	-21%	73%	104%
1931	Critical	-51%	-	-	-	3%	-	0%	0%	669%	31%	-	-6%
1932	Dry	-100%	-	-	-	-	-	0%	-4%	-1%	-2%	-3%	-100%
1933	Critical	-	-	-	-	-	-	2%	-1%	0%	-2%	-4%	30%
1934	Critical	-	-	-	-	-	-	0%	0%	0%	1%	10%	-59%
1935	Below Norma	-	-	-	-	-	-	-	0%	0%	3%	-2%	-27%
1936	Below Norma	-1%	1%	-	-	-	-	-3%	0%	0%	1%	1%	-2%
1937	Below Norma	-6%	2%	-	-	-	-	-	-1%	0%	1%	2%	0%
1938	Wet	-	-	-	-	-	-	-	-	0%	0%	0%	0%
1939	Dry	-	-	-	0%	-100%	-100%	-7%	6%	1%	58%	-13%	-
1940	Above Norma	-	6%	3%	-	-	-	2%	0%	-7%	4%	-6%	36%
1941	Wet	-	-	-	-	-	-	-7%	-11%	6%	7%	-1%	-
1942	Wet	-	-	-	-	-	-	-2%	-1%	-1%	0%	0%	-
1943	Wet	-	-	-	-	-	-	-	0%	0%	0%	0%	-
1944	Dry	-	-	-	-	-	-2%	0%	0%	0%	0%	2%	-
1945	Below Norma	-1%	-	-	-	-	-1%	0%	0%	0%	-2%	1%	-
1946	Below Norma	-	-	-	-	-1%	-	1%	1%	3%	-5%	-51%	-
1947	Dry	-	-	-	-	-	-	2%	2%	-2%	-3%	1%	-
1948	Below Norma	-	-	6%	-	-5%	-	-	3%	0%	0%	-4%	-
1949	Dry	-	4%	-	-	-	-	6%	1%	-14%	-	-34%	-
1950	Below Norma	-100%	-	-	-	-	-	-1%	2%	2%	2%	7%	-
1951	Above Norma	-	-	-	-	-	-	0%	1%	4%	11%	6%	-
1952	Wet	-	-	-	-	-	-	-	0%	0%	0%	0%	-
1953	Wet	-	-	-	0%	0%	-	-1%	0%	0%	0%	0%	-
1954	Above Norma	-	-	-	-	-	-	0%	0%	0%	-1%	-1%	51%
1955	Dry	-	-	-	-	-6%	-100%	-9%	1%	0%	4%	191%	-
1956	Wet	-	-	-	-	-	-	0%	0%	0%	0%	0%	-
1957	Above Norma	-	-1%	-	-	-	-	0%	0%	0%	0%	-	-
1958	Wet	-	-	-	-	-	-	0%	0%	0%	0%	0%	-
1959	Below Norma	-	-	-	0%	-	0%	0%	0%	-1%	1%	-	0%
1960	Dry	-	0%	-	-	-	-	0%	-1%	1%	-9%	1%	-
1961	Dry	0%	-	-	-	-	-	0%	0%	0%	0%	-7%	-100%
1962	Below Norma	-	-	-	-	-	-	-13%	3%	29%	42%	15%	-
1963	Wet	-	-	-	-	-	-	5%	1%	2%	23%	19%	-
1964	Dry	-	-	-	-	0%	14%	6%	-4%	7%	-	-	-
1965	Wet	-	-	-	-	-	-	0%	0%	-38%	31%	7%	-
1966	Below Norma	-	-	-	-	-	-	-10%	0%	2%	7%	0%	0%
1967	Wet	-	-	-	-	-	-	-	-3%	-1%	-1%	-	-
1968	Below Norma	-	-	-	0%	-	-	0%	0%	0%	0%	-	0%
1969	Wet	-	-	-	-	-	-	-	0%	0%	0%	0%	-
1970	Wet	-	-	-	0%	-	-	0%	0%	0%	0%	0%	0%
1971	Wet	-	-	-	-	0%	-	0%	0%	0%	0%	0%	-
1972	Below Norma	-	0%	-	-	-	-	-4%	0%	7%	-3%	-49%	-
1973	Above Norma	-	-	-	-	-	-	0%	0%	0%	0%	16%	0%
1974	Wet	-	-	-	-	-	-	0%	0%	0%	0%	0%	-
1975	Wet	-	-	-	-	-	-	0%	0%	0%	0%	0%	-
1976	Critical	-	-	-	-	0%	-	0%	0%	0%	0%	1%	-
1977	Critical	-	-	-	-	0%	1%	0%	0%	0%	0%	-	-
1978	Above Norma	-	-	-	-	-	-	-	0%	0%	0%	0%	-
1979	Below Norma	0%	-	0%	-	-	-	-1%	1%	0%	-11%	10%	149%
1980	Above Norma	-	-	-	-	-	-	-	0%	0%	0%	0%	-
1981	Dry	-	0%	-	-	-	-	1%	0%	0%	-1%	2%	-
1982	Wet	-	-	-	-	-	-	-	0%	0%	0%	0%	-
1983	Wet	-	-	-	0%	-	-	-	-	-	-	0%	-
1984	Wet	-	-	-	0%	-	-	0%	0%	0%	0%	0%	-
1985	Dry	-	-	-	-	-	28%	0%	-1%	-15%	-	-	-
1986	Wet	-	-	-	-	-	-	-	-4%	-	1%	4%	-
1987	Dry	-	-	-	-	-	-	1%	2%	6%	0%	1%	-
1988	Critical	10%	0%	-	-	2%	0%	0%	0%	0%	-3%	-	0%
1989	Dry	0%	-	-	-	-	-	-1%	5%	8%	5%	4%	-100%
1990	Critical	-	45%	77%	-	-	-	2%	3%	2%	-9%	-	-
1991	Critical	-	-	-	-	-	-	7%	8%	3%	2%	53%	7%
1992	Critical	-	44%	-	-	-	-	39%	0%	0%	-2%	-21%	3%
1993	Above Norma	-	-	-	-	-	-	0%	0%	0%	0%	0%	-
1994	Critical	-	0%	-	-	-	0%	0%	0%	0%	-	-	-
1995	Wet	1%	-	-	-	-	-	-	0%	0%	0%	0%	-
1996	Wet	-	-2%	-	0%	-	-	-	0%	0%	1%	1%	-
1997	Wet	1%	-	-	-	-	-	0%	0%	0%	0%	0%	-
1998	Wet	-	-	-	-	-	-	-	-1%	0%	0%	0%	-
1999	Wet	-	-	0%	0%	-	-	0%	0%	0%	0%	0%	-
2000	Above Norma	0%	-	-	-	-	-	0%	0%	0%	0%	0%	-
2001	Dry	-	-	-	-	-	-	1%	0%	0%	0%	2%	-
2002	Dry	0%	-	-	-	0%	-	0%	0%	0%	-1%	-3%	-
2003	Above Norma	0%	0%	-	-	0%	-	0%	0%	0%	-	-	-
Average		-14%	6%	17%	0%	-7%	-12%	0%	0%	8%	2%	5%	0%
Wet		0%	0%	0%	0%	0%	0%	0%	0%	-1%	2%	1%	0%
Above Norma		0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	9%	7%
Below Norma		-8%	0%	0%	0%	0%	0%	-2%	1%	3%	2%	-5%	9%
Dry		-6%	0%	0%	0%	-6%	-9%	0%	1%	-1%	2%	12%	-11%
Critical		-4%	7%	6%	0%	0%	0%	4%	1%	56%	-1%	3%	-2%

Difference in Energy generated (GWh) at Syst. Tot.: CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norm	0	0	0	0	-12	3	6	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	-8	-3	0	0	0	0	0	0	0	-1
1926	Dry	0	0	0	0	-9	14	-12	0	0	0	0	0	-1
1927	Wet	-1	0	0	0	2	0	0	0	0	0	0	6	0
1928	Above Norm	0	0	0	-5	0	0	3	3	3	3	3	2	1
1929	Critical	4	2	2	1	0	0	1	1	1	-15	2	1	0
1930	Dry	0	0	0	0	17	-1	0	3	1	49	-28	-4	3
1931	Critical	-6	0	-11	0	22	0	-3	-3	-25	-4	1	-2	-3
1932	Dry	14	11	-2	29	-23	-6	0	0	0	-3	-10	-9	0
1933	Critical	-12	-14	-4	-5	58	-4	2	2	2	-2	-11	-19	-1
1934	Critical	-15	-24	-10	-1	5	-1	-1	-1	-1	-1	-2	2	-4
1935	Below Norm	-2	-1	0	0	0	-1	-1	0	-1	-4	2	2	-1
1936	Below Norm	0	1	-3	0	0	0	-1	-1	0	-2	-2	-1	-1
1937	Below Norm	-2	3	2	0	0	2	0	-1	-1	-1	0	0	0
1938	Wet	0	0	-1	0	-10	3	1	0	0	0	0	0	-1
1939	Dry	0	0	0	0	-9	3	-26	7	-10	-22	13	5	-3
1940	Above Norm	5	5	5	-1	0	2	2	0	-2	-4	-9	-4	0
1941	Wet	0	0	-1	24	-4	-3	7	2	-5	-9	-17	-28	-3
1942	Wet	-1	-4	-4	0	0	2	0	0	0	0	0	0	-1
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	-1	0	3	0	-1	0	0	0	1	-1	0
1945	Below Norm	0	0	0	0	1	-1	1	0	0	0	1	0	0
1946	Below Norm	1	0	0	0	-11	9	0	0	5	19	25	-19	2
1947	Dry	-2	-27	1	-13	1	28	5	6	12	7	7	5	3
1948	Below Norm	7	4	5	-4	-4	-1	0	1	0	1	3	-2	1
1949	Dry	-1	0	0	0	-37	1	4	5	-3	17	40	-15	1
1950	Below Norm	21	-22	-4	0	1	-27	0	2	23	2	20	18	3
1951	Above Norm	3	-56	1	0	-10	0	0	0	3	2	0	43	-1
1952	Wet	-11	-1	0	-36	-14	8	2	0	0	0	0	0	-4
1953	Wet	0	0	0	0	0	0	-2	0	0	0	0	0	0
1954	Above Norm	0	0	0	0	0	0	0	0	0	0	-1	-1	0
1955	Dry	0	0	0	0	0	-1	-2	-2	-3	2	-1	10	0
1956	Wet	14	18	31	-1	-1	-1	0	0	0	0	0	0	5
1957	Above Norm	0	0	0	0	0	0	0	0	0	0	0	3	0
1958	Wet	0	0	0	-3	0	0	0	0	0	0	0	0	0
1959	Below Norm	0	0	0	0	0	0	-2	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	0	-6	7	-1	0	0
1961	Dry	0	0	0	1	2	5	0	0	0	0	149	2	13
1962	Below Norm	-28	-4	-2	-3	-2	-93	-36	-3	-65	-5	-66	36	-23
1963	Wet	-8	-7	-4	-4	-103	11	1	0	1	-30	-19	0	-13
1964	Dry	0	0	0	19	2	25	40	-8	-17	3	18	-34	4
1965	Wet	-1	-1	36	6	0	0	0	0	-16	-11	-1	0	1
1966	Below Norm	21	0	0	1	0	-1	-27	0	-2	-8	0	-4	-2
1967	Wet	0	0	0	25	0	0	-1	-1	-1	-1	-1	-1	2
1968	Below Norm	-1	-1	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	-1	1	0	0	0	0	0	0	0
1972	Below Norm	0	0	0	0	0	3	-4	0	-4	2	3	0	0
1973	Above Norm	0	0	0	-8	-3	0	0	0	0	0	1	0	-1
1974	Wet	0	0	0	0	-12	0	0	0	0	0	0	0	-1
1975	Wet	0	0	0	0	-21	0	0	0	0	0	0	0	-2
1976	Critical	0	0	0	0	-3	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Norm	0	0	0	-13	-7	0	0	0	0	0	0	0	-2
1979	Below Norm	0	0	-2	3	0	0	0	0	-1	-4	-6	2	-1
1980	Above Norm	3	0	0	7	-2	0	0	0	0	0	0	0	1
1981	Dry	0	0	0	0	0	-7	0	0	0	0	1	2	0
1982	Wet	2	0	-1	0	-12	6	1	0	0	-2	2	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	10	1	-8	8	2	-17	-18	-2
1986	Wet	-2	-2	-2	-1	-7	0	6	0	-2	1	1	0	-1
1987	Dry	0	0	0	2	1	2	2	2	-2	3	2	2	1
1988	Critical	2	1	1	1	1	0	0	0	0	2	0	0	1
1989	Dry	0	0	0	0	0	-16	0	2	-24	9	2	21	-1
1990	Critical	0	4	-53	-2	-1	0	4	4	5	12	3	3	-2
1991	Critical	2	0	1	0	0	0	6	8	9	8	11	6	4
1992	Critical	3	3	1	0	0	-34	28	-1	-1	1	19	9	2
1993	Above Norm	17	12	7	0	-2	-11	1	0	0	0	0	0	2
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	1	-1	0	0	-4	0	3	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	3	0	0	0	0
1997	Wet	0	-5	0	0	0	-1	0	0	1	0	0	0	0
1998	Wet	-1	0	0	0	0	0	0	0	-1	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norm	0	0	0	0	-5	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	1	0	0
2002	Dry	0	0	0	0	0	0	0	0	-1	0	0	-1	0
2003	Above Norm	0	0	0	1	0	1	0	0	0	0	-2	0	0
Average		0	-1	0	0	-3	-1	0	0	-1	0	2	0	0
Wet		0	0	2	0	-7	1	1	0	-1	-2	-1	-1	-1
Above Norm		2	-3	1	-1	-2	-1	0	0	0	0	-1	3	0
Below Norm		1	-1	0	0	-2	-8	-5	0	-3	0	-1	2	-1
Dry		1	-1	0	2	-3	3	1	0	-2	4	10	-2	1
Critical		-2	-2	-6	-1	7	-3	3	1	-1	0	2	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy generated (GWh) at Syst. Tot.: CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1923	Below Norma	0%	0%	0%	0%	-4%	1%	1%	0%	0%	0%	0%	0%
1924	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1925	Dry	0%	0%	0%	-5%	-1%	0%	0%	0%	0%	0%	0%	0%
1926	Dry	0%	0%	0%	0%	-3%	9%	-4%	0%	0%	0%	0%	0%
1927	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%
1928	Above Norma	0%	0%	0%	-2%	0%	0%	1%	0%	0%	1%	1%	0%
1929	Critical	1%	1%	1%	0%	0%	0%	0%	0%	0%	-4%	1%	0%
1930	Dry	0%	0%	0%	0%	9%	0%	0%	1%	0%	10%	-5%	-1%
1931	Critical	-2%	0%	-6%	0%	25%	0%	-1%	-1%	-6%	-1%	0%	-1%
1932	Dry	13%	17%	-1%	93%	-9%	-3%	0%	0%	0%	-1%	-3%	-4%
1933	Critical	-6%	-11%	-6%	-10%	51%	-1%	1%	0%	0%	-1%	-3%	-7%
1934	Critical	-8%	-13%	-6%	-2%	2%	-1%	0%	0%	0%	0%	-1%	1%
1935	Below Norma	-1%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	0%	1%
1936	Below Norma	0%	0%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1937	Below Norma	0%	1%	1%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1938	Wet	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	-3%	1%	-5%	1%	-2%	-4%	2%	1%
1940	Above Norma	2%	2%	2%	0%	0%	0%	0%	0%	0%	0%	-1%	-1%
1941	Wet	0%	0%	0%	8%	0%	0%	1%	0%	-1%	-1%	-4%	-7%
1942	Wet	0%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1944	Dry	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%
1945	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1946	Below Norma	0%	0%	0%	0%	-2%	2%	0%	0%	1%	3%	4%	-4%
1947	Dry	0%	-9%	0%	-6%	1%	16%	1%	1%	3%	1%	1%	1%
1948	Below Norma	2%	1%	2%	-3%	-3%	-2%	0%	0%	0%	0%	0%	-1%
1949	Dry	0%	0%	0%	0%	-14%	1%	2%	1%	-1%	3%	11%	-4%
1950	Below Norma	10%	-10%	-3%	1%	1%	-14%	0%	0%	4%	0%	4%	5%
1951	Above Norma	1%	-10%	0%	0%	-2%	0%	0%	0%	0%	0%	0%	9%
1952	Wet	-3%	0%	0%	-8%	-2%	1%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1955	Dry	0%	0%	0%	0%	0%	-1%	-1%	-1%	-1%	1%	0%	4%
1956	Wet	7%	11%	11%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%
1958	Wet	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1960	Dry	0%	0%	0%	0%	0%	0%	0%	0%	-1%	1%	0%	0%
1961	Dry	0%	0%	0%	1%	1%	2%	0%	0%	0%	0%	37%	0%
1962	Below Norma	-8%	-2%	-1%	-3%	-2%	-36%	-8%	-1%	-9%	-1%	-11%	8%
1963	Wet	-3%	-2%	-1%	-1%	-13%	2%	0%	0%	0%	-4%	-3%	0%
1964	Dry	0%	0%	0%	9%	0%	7%	8%	-2%	-3%	0%	4%	-10%
1965	Wet	0%	0%	11%	1%	0%	0%	0%	0%	-4%	-2%	0%	0%
1966	Below Norma	6%	0%	0%	0%	0%	0%	-6%	0%	0%	-1%	0%	-1%
1967	Wet	0%	0%	0%	9%	0%	0%	0%	0%	0%	0%	0%	0%
1968	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1969	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1972	Below Norma	0%	0%	0%	0%	0%	1%	-1%	0%	-1%	0%	1%	0%
1973	Above Norma	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	-2%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	-3%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%	0%
1977	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1978	Above Norma	0%	0%	0%	-10%	-3%	0%	0%	0%	0%	0%	0%	0%
1979	Below Norma	0%	0%	-1%	1%	0%	0%	0%	0%	0%	-1%	-1%	1%
1980	Above Norma	1%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%
1982	Wet	1%	0%	0%	0%	-1%	1%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	2%	0%	-1%	1%	0%	-3%	-4%
1986	Wet	0%	-1%	-1%	-1%	-1%	0%	2%	0%	0%	0%	0%	0%
1987	Dry	0%	0%	0%	1%	0%	0%	0%	0%	0%	1%	1%	1%
1988	Critical	0%	0%	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%
1989	Dry	0%	0%	0%	0%	-1%	-7%	0%	0%	-4%	1%	0%	6%
1990	Critical	0%	1%	-13%	-4%	-3%	0%	1%	2%	2%	4%	1%	2%
1991	Critical	2%	0%	1%	1%	1%	2%	3%	4%	3%	3%	5%	3%
1992	Critical	3%	4%	2%	1%	1%	-48%	14%	0%	0%	0%	6%	3%
1993	Above Norma	9%	8%	10%	0%	-1%	-2%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1995	Wet	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%
1997	Wet	0%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1998	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norma	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%	0%
2001	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2002	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2003	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Average		0%	0%	0%	1%	0%	-1%	0%	0%	0%	0%	1%	0%
Wet		0%	0%	1%	0%	-1%	0%	0%	0%	0%	0%	0%	0%
Above Norma		1%	0%	1%	-1%	-1%	0%	0%	0%	0%	0%	0%	1%
Below Norma		1%	-1%	0%	0%	-1%	-3%	-1%	0%	0%	0%	0%	-1%
Dry		1%	0%	0%	5%	-1%	1%	0%	0%	0%	1%	2%	-1%
Critical		-1%	-2%	-2%	-1%	6%	-4%	2%	0%	0%	0%	1%	0%

Energy generated (GWh) at Thermalito Dam : CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	19.02	11.98	16.57	8.42	16.37	23.57	6.23	83.07	31.75	21.71	7.75	4.79	251
1923	Below Normal	19.77	11.98	44.67	24.34	7.60	17.96	9.78	9.56	14.77	42.29	33.02	13.05	249
1924	Critical	15.35	11.98	16.57	8.42	9.97	14.13	8.62	12.17	23.46	18.61	19.04	18.07	176
1925	Dry	8.18	4.31	4.97	4.46	4.02	16.35	3.59	3.71	10.51	9.97	4.64	3.71	78
1926	Dry	8.60	4.31	8.87	4.46	4.02	3.71	7.18	22.29	27.48	21.51	27.15	13.33	153
1927	Wet	19.80	4.31	18.10	4.46	53.33	35.00	22.92	20.00	9.74	37.77	25.25	18.19	269
1928	Above Normal	19.80	8.15	11.22	8.42	21.34	86.15	4.79	28.58	26.88	26.37	26.05	13.88	282
1929	Critical	12.97	8.15	8.42	8.42	7.60	8.42	9.21	8.88	11.36	13.73	20.96	8.82	127
1930	Dry	8.24	6.83	19.73	4.46	17.60	3.71	3.59	3.71	22.43	14.14	23.75	10.25	138
1931	Critical	12.34	11.98	12.35	4.46	6.69	3.71	13.29	9.71	31.54	29.72	25.41	9.82	171
1932	Dry	7.63	5.10	22.61	4.46	4.17	15.07	7.75	3.71	10.83	9.49	5.50	3.71	100
1933	Critical	11.17	8.98	4.46	4.46	4.02	23.87	3.84	7.29	9.50	9.64	7.57	10.36	105
1934	Critical	10.42	9.33	14.61	4.46	16.36	3.71	13.19	11.90	16.47	14.26	24.85	17.21	157
1935	Below Normal	18.57	4.31	4.46	4.46	4.74	3.71	4.79	17.91	38.86	30.91	36.00	15.28	184
1936	Below Normal	19.80	11.98	14.54	8.42	7.87	8.42	4.79	23.15	4.79	35.89	26.17	4.91	171
1937	Below Normal	19.80	11.98	8.42	8.42	7.60	8.42	4.79	4.95	27.77	25.91	19.05	9.26	156
1938	Wet	19.80	8.15	21.42	26.32	64.93	86.15	62.86	85.85	39.35	6.64	5.69	18.61	446
1939	Dry	28.04	13.87	16.46	18.46	12.16	26.17	13.57	20.20	27.57	34.29	35.33	13.82	260
1940	Above Normal	19.36	11.98	5.94	5.94	5.56	86.15	18.37	18.57	26.16	47.36	35.25	10.77	291
1941	Wet	19.80	11.98	8.42	8.42	76.96	56.60	18.15	42.20	16.01	16.87	4.95	4.79	285
1942	Wet	23.85	15.17	86.15	71.11	77.81	13.69	50.54	28.87	28.95	7.32	7.73	11.41	423
1943	Wet	24.82	27.17	43.13	86.15	33.47	79.55	20.24	11.19	7.05	28.61	17.37	11.95	391
1944	Dry	18.05	11.98	15.08	8.42	8.20	15.67	9.64	5.07	32.47	43.46	35.66	22.40	226
1945	Below Normal	19.80	8.15	8.42	8.42	7.60	8.42	4.79	5.35	31.84	39.32	29.31	13.60	185
1946	Below Normal	15.18	8.17	8.42	8.42	19.01	32.02	4.79	10.06	29.86	47.27	38.98	22.97	245
1947	Dry	19.80	11.98	8.42	10.16	7.60	8.42	4.79	7.42	7.66	38.90	31.71	14.60	171
1948	Below Normal	12.40	11.98	5.94	5.94	7.27	4.95	4.79	4.95	4.79	42.73	32.87	6.35	145
1949	Dry	18.68	11.98	8.42	8.42	21.47	8.42	3.95	3.71	12.87	32.24	11.73	13.25	155
1950	Below Normal	7.91	11.98	5.78	4.46	4.02	3.71	4.79	4.95	20.20	31.58	15.16	4.91	119
1951	Above Normal	11.66	44.83	73.12	57.81	48.46	22.38	4.79	8.69	27.39	41.02	37.17	19.17	397
1952	Wet	19.80	8.15	8.42	24.85	56.23	35.01	83.37	86.15	43.49	11.67	8.35	15.88	401
1953	Wet	24.63	13.55	44.99	86.15	7.60	30.40	21.73	16.24	26.47	43.36	9.69	4.79	330
1954	Above Normal	8.42	11.55	14.92	48.51	38.35	50.13	29.81	43.71	25.68	41.17	27.41	18.79	358
1955	Dry	19.80	8.15	8.42	8.42	11.46	8.42	8.45	4.95	12.38	11.82	17.81	4.91	125
1956	Wet	10.29	8.39	32.30	86.15	52.51	32.50	15.52	53.64	20.92	15.49	9.42	5.70	343
1957	Above Normal	35.90	8.15	16.02	21.06	71.20	34.25	6.86	4.95	32.04	26.53	27.94	7.68	293
1958	Wet	8.42	9.79	8.43	15.98	77.81	58.92	36.81	51.86	32.05	7.06	5.92	13.92	327
1959	Below Normal	24.47	13.64	16.57	49.43	42.79	11.08	10.37	4.95	31.06	42.91	28.60	4.91	281
1960	Dry	18.57	11.98	25.68	5.94	5.56	4.95	9.51	4.95	25.33	27.99	28.81	17.24	187
1961	Dry	14.12	5.75	7.50	5.94	5.37	5.62	6.41	4.50	12.39	28.32	11.99	16.01	124
1962	Below Normal	19.80	8.24	4.46	4.46	4.02	3.71	3.59	4.28	43.20	44.22	36.66	19.28	196
1963	Wet	5.94	5.75	5.94	5.94	69.79	41.09	62.74	15.46	32.42	40.92	23.21	12.03	321
1964	Dry	11.27	8.15	8.42	8.42	7.87	8.42	21.33	5.27	28.17	41.91	30.73	14.65	195
1965	Wet	15.30	8.15	24.53	86.15	21.71	25.91	37.43	26.33	4.79	24.17	5.43	4.79	285
1966	Below Normal	16.58	38.95	17.97	17.39	7.98	21.50	5.63	13.28	24.18	41.06	34.95	11.99	251
1967	Wet	19.80	8.15	8.44	15.70	29.93	71.27	10.35	45.76	40.73	7.07	4.95	15.23	277
1968	Below Normal	25.84	13.25	17.98	40.24	54.54	32.81	13.61	4.95	29.40	41.45	24.72	9.86	309
1969	Wet	18.30	8.15	8.42	69.15	55.76	31.93	36.23	63.53	17.97	8.25	7.54	25.58	351
1970	Wet	16.78	18.26	81.09	86.15	47.63	20.37	23.10	4.95	22.11	39.62	25.58	16.52	402
1971	Wet	19.80	11.98	8.42	8.42	11.04	48.36	18.39	42.44	26.87	49.51	35.64	4.79	286
1972	Below Normal	14.80	11.98	8.42	8.42	20.80	33.69	4.79	4.95	21.71	29.01	19.62	9.56	188
1973	Above Normal	8.42	8.15	8.42	48.79	45.26	30.20	4.79	12.91	30.10	31.75	16.48	5.59	251
1974	Wet	8.42	39.54	50.61	86.15	34.67	86.15	40.50	28.64	20.94	14.10	4.95	14.61	429
1975	Wet	24.13	16.71	14.06	14.55	59.13	63.88	4.79	41.43	29.38	18.74	4.95	4.79	297
1976	Critical	25.46	18.66	19.67	17.87	18.46	17.12	4.79	6.85	17.95	8.08	15.55	17.17	188
1977	Critical	19.79	11.98	28.89	5.94	5.37	4.95	5.62	4.51	14.83	14.20	13.69	8.55	138
1978	Above Normal	9.85	4.31	4.46	4.46	4.02	3.71	21.22	4.95	7.90	18.05	6.75	4.91	95
1979	Below Normal	19.80	11.98	11.81	16.88	52.29	21.85	4.79	4.95	33.43	28.96	13.11	11.82	232
1980	Above Normal	13.48	8.17	8.42	81.61	80.59	26.32	4.79	4.95	4.79	6.35	5.77	4.79	250
1981	Dry	15.44	10.25	18.80	37.62	16.54	34.40	4.79	4.95	24.66	33.65	21.09	16.17	238
1982	Wet	15.23	5.75	86.15	41.22	77.81	66.31	83.37	39.67	17.80	4.95	4.95	20.30	464
1983	Wet	33.81	41.63	54.36	62.79	77.81	86.15	41.97	58.81	56.01	14.30	7.49	24.39	560
1984	Wet	24.96	69.70	86.15	27.70	39.79	44.68	4.79	4.95	29.32	44.13	24.90	16.96	418
1985	Dry	10.12	8.15	8.42	8.42	7.60	9.53	5.51	22.68	40.42	43.13	32.91	16.97	214
1986	Wet	19.80	11.98	8.42	8.42	77.81	86.15	4.79	4.95	5.28	12.50	4.95	4.79	250
1987	Dry	8.42	9.23	9.04	10.76	24.63	37.94	8.55	11.96	17.30	18.45	26.16	12.67	195
1988	Critical	19.80	11.98	5.94	5.94	5.56	8.59	3.59	3.71	13.01	22.46	19.50	7.34	127
1989	Dry	11.31	4.31	4.46	4.46	4.02	23.84	3.59	16.70	31.98	39.35	36.46	9.90	190
1990	Critical	19.80	11.98	24.97	4.46	4.02	3.71	6.71	3.93	5.05	12.02	19.77	6.21	123
1991	Critical	11.68	6.77	7.66	4.46	4.02	3.71	3.59	3.71	7.20	15.06	9.64	8.70	86
1992	Critical	9.38	6.85	4.46	4.46	4.17	3.71	3.59	5.94	9.46	10.60	11.21	9.82	84
1993	Above Normal	14.51	11.18	4.46	4.46	4.02	37.85	17.14	38.40	21.78	28.98	15.80	6.74	205
1994	Critical	15.86	11.98	5.94	6.61	25.11	21.80	4.79	4.95	19.17	42.51	30.20	9.31	198
1995	Wet	19.13	10.68	5.94	5.94	35.88	86.15	61.76	86.15	52.53	11.75	13.42	11.36	401
1996	Wet	24.12	13.05	27.44	60.49	80.59	50.16	32.14	51.53	15.26	21.28	6.56	4.79	387
1997	Wet	16.18	19.22	86.15	86.15	45.98	26.90	4.79	4.95	13.94	20.61	4.95	11.69	342
1998	Wet	15.72	8.15	9.58	82.94	77.81	70.62	14.03	45.51	54.74	12.03	5.36	21.19	418
1999	Wet	25.84	40.31	29.79	68.72	74.11	56.14	4.79	4.95	8.26	25.51	4.95	4.79	348
2000	Above Normal	10.11	44.37	14.55	28.59	62.90	46.39	4.79	7.43	28.79	48.60	25.02	17.16	339
2001	Dry	19.80	11.98	26.99	8.42	7.60	8.42	4.79	5.64	9.80	8.87	19.04	5.70	137
2002	Dry	19.80	5.75	5.94	5.94	14.89	4.95	4.79	4.95	9.21	32.49	26.20	10.22	145
2003	Above Normal	19.80	11.98	8.42	8.42	10.54	17.00	4.79	27.58	39.97	49.51	35.89	30.29	264
Average		17	13	20	25	29	30	15	20	23	26	19	12	248
Wet		19	17	33	47	55	53	31	37	26	21	11	12	363
Above Normal		16	15	16	27	34	39	11	24	25	32	22	12	2

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Energy generated (GWh) at Thermalito Dam : CP4B_2020

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	19.02	11.98	16.57	8.42	16.37	23.57	6.23	83.07	31.75	21.71	7.75	4.79	251
1923	Below Normal	19.77	11.98	44.67	24.34	7.60	18.75	9.78	9.56	14.77	42.29	33.02	13.05	250
1924	Critical	15.35	11.98	16.57	8.42	9.97	14.13	8.62	12.17	23.46	18.61	19.04	18.07	176
1925	Dry	8.18	4.31	4.97	4.46	4.02	16.34	3.59	3.71	10.50	9.97	4.60	3.71	78
1926	Dry	8.58	4.31	8.87	4.46	4.02	3.71	7.26	22.34	27.45	21.45	27.15	13.32	153
1927	Wet	19.80	4.31	18.10	4.46	53.56	35.00	22.92	20.00	9.74	37.82	25.25	19.01	270
1928	Above Normal	19.80	8.15	11.22	8.42	21.34	86.15	4.79	28.62	26.93	26.48	26.09	13.87	282
1929	Critical	13.29	8.15	8.42	8.42	7.60	8.42	9.21	8.85	11.36	12.95	21.10	8.84	127
1930	Dry	8.23	6.77	19.73	4.46	17.60	3.71	3.59	3.71	22.65	22.09	18.87	9.61	141
1931	Critical	11.77	11.98	10.80	4.46	9.71	3.71	13.26	9.70	27.93	29.04	25.75	9.82	168
1932	Dry	10.16	7.09	22.62	4.46	4.17	14.64	7.73	3.71	10.82	9.48	5.56	3.71	104
1933	Critical	11.16	8.84	4.46	4.46	4.02	23.73	3.84	7.29	9.53	9.65	7.59	8.44	103
1934	Critical	10.09	7.90	14.61	4.46	16.36	3.71	13.18	11.85	16.45	14.23	24.50	17.99	155
1935	Below Normal	18.46	4.31	4.46	4.46	4.74	3.71	4.79	18.02	38.72	30.21	36.37	15.81	184
1936	Below Normal	19.80	11.98	14.39	8.42	7.87	8.42	4.79	23.07	4.79	35.76	26.03	4.91	170
1937	Below Normal	19.80	11.98	8.42	8.42	7.60	8.42	4.79	4.95	27.62	25.78	18.97	9.26	156
1938	Wet	19.80	8.15	21.41	26.32	64.93	86.15	62.86	85.85	39.35	6.64	5.69	18.61	446
1939	Dry	28.04	13.87	16.46	18.46	11.93	23.61	13.57	20.39	25.86	29.21	36.33	13.73	251
1940	Above Normal	19.39	11.98	6.18	5.94	5.56	86.15	18.37	18.52	26.52	46.91	34.19	9.97	290
1941	Wet	19.80	11.98	8.58	8.56	77.81	56.60	18.15	42.18	14.79	15.49	4.95	4.79	284
1942	Wet	26.43	15.17	86.15	71.10	77.81	13.69	50.54	28.87	28.95	7.32	7.73	11.42	425
1943	Wet	24.82	27.17	43.13	86.15	33.47	79.55	20.24	11.19	7.05	28.61	17.37	11.95	391
1944	Dry	18.05	11.98	14.94	8.42	8.36	15.52	9.52	5.07	32.51	43.43	35.73	22.22	226
1945	Below Normal	19.80	8.15	8.42	8.42	7.60	8.42	4.79	5.35	31.82	39.36	29.37	13.58	185
1946	Below Normal	15.25	8.15	8.42	8.42	19.10	32.01	4.79	10.05	29.85	49.51	42.64	20.49	249
1947	Dry	19.80	8.15	8.42	8.42	7.60	8.42	4.79	7.35	8.85	39.19	32.12	14.79	168
1948	Below Normal	12.96	11.98	5.94	5.94	7.27	4.95	4.79	4.95	4.79	42.87	33.33	5.62	145
1949	Dry	18.33	11.98	8.42	8.42	16.14	8.42	3.95	3.71	12.87	33.73	17.86	10.49	154
1950	Below Normal	11.63	8.28	4.91	4.46	4.02	3.71	4.79	4.95	22.86	31.64	17.41	7.27	126
1951	Above Normal	12.06	37.75	73.12	57.81	48.46	22.71	4.79	8.69	27.49	40.82	37.17	25.12	396
1952	Wet	18.64	8.15	8.42	20.34	56.23	35.01	83.37	86.15	43.49	11.67	8.35	15.68	395
1953	Wet	24.63	13.55	44.99	86.15	7.60	30.68	21.73	16.24	26.47	43.36	9.69	4.79	330
1954	Above Normal	8.42	11.55	14.92	48.51	38.35	50.13	29.81	43.71	25.68	41.22	27.37	18.55	358
1955	Dry	19.80	8.15	8.42	8.42	11.54	8.42	8.45	4.95	12.35	11.82	15.26	4.91	122
1956	Wet	10.28	8.39	34.94	86.15	52.51	31.84	15.52	53.64	20.92	15.47	9.42	5.72	345
1957	Above Normal	35.90	8.15	16.02	21.06	71.20	34.25	6.86	4.95	32.04	26.53	27.95	8.04	293
1958	Wet	8.42	9.72	8.43	15.61	77.81	58.92	36.70	51.86	32.05	7.21	5.91	13.93	327
1959	Below Normal	24.47	13.64	16.57	49.43	42.79	11.39	10.18	4.95	31.14	42.86	28.56	4.91	281
1960	Dry	18.58	11.98	25.65	5.94	5.56	4.95	9.52	4.95	24.43	29.26	28.68	17.24	187
1961	Dry	14.12	5.75	7.50	5.94	5.37	5.62	6.41	4.50	12.38	28.28	34.47	18.04	148
1962	Below Normal	16.74	8.09	4.46	4.46	4.02	3.71	3.59	4.28	34.76	44.40	28.25	26.10	183
1963	Wet	5.94	5.75	5.94	5.94	58.82	41.09	62.74	15.44	32.43	37.35	20.62	12.04	304
1964	Dry	11.22	8.15	8.42	8.42	7.87	8.42	24.14	4.95	26.59	42.85	34.60	10.98	197
1965	Wet	15.28	8.15	28.52	86.15	21.72	25.91	37.43	26.34	5.59	21.31	4.95	4.79	286
1966	Below Normal	19.09	38.95	17.97	17.39	7.98	21.56	5.63	13.28	23.87	39.84	34.94	11.41	252
1967	Wet	19.80	8.15	8.42	17.80	29.93	71.27	10.35	45.76	40.73	7.07	4.95	15.23	279
1968	Below Normal	25.84	13.25	17.98	40.24	54.54	32.81	13.61	4.95	29.40	41.45	24.72	9.86	309
1969	Wet	18.29	8.15	8.42	69.15	55.76	31.93	36.23	63.53	17.97	8.24	7.54	25.58	351
1970	Wet	16.78	18.26	81.09	86.15	47.63	20.37	23.10	4.95	22.11	39.62	25.58	16.52	402
1971	Wet	19.80	11.98	8.42	8.42	10.91	48.50	18.39	42.44	26.87	49.51	35.64	4.79	286
1972	Below Normal	14.80	11.98	8.42	8.42	20.80	33.74	4.79	4.95	20.91	29.27	20.15	9.55	188
1973	Above Normal	8.42	8.15	8.42	48.80	45.26	30.20	4.79	12.91	30.10	31.75	16.47	5.58	251
1974	Wet	8.42	39.55	50.70	86.15	34.67	86.15	40.50	28.64	20.94	14.10	4.95	14.61	429
1975	Wet	24.13	16.71	14.06	14.55	59.13	63.88	4.79	41.43	29.38	18.74	4.95	4.79	297
1976	Critical	25.46	18.66	19.67	17.87	18.46	17.12	4.79	6.85	17.93	8.10	15.54	17.17	188
1977	Critical	19.80	11.98	28.90	5.94	5.37	4.95	5.62	4.51	14.84	14.21	13.68	8.55	138
1978	Above Normal	9.85	4.31	4.46	4.46	4.02	3.71	21.19	4.95	7.90	18.05	6.75	4.91	95
1979	Below Normal	19.80	11.98	11.50	17.19	52.29	21.85	4.79	4.95	33.38	28.89	11.76	12.00	230
1980	Above Normal	13.84	8.15	8.42	82.51	80.59	26.32	4.79	4.95	4.79	6.35	5.77	4.79	251
1981	Dry	15.44	10.21	18.80	37.62	16.54	34.40	4.79	4.95	24.71	33.70	21.17	16.45	239
1982	Wet	15.53	5.75	85.51	41.22	77.81	66.31	83.37	39.67	17.80	4.95	4.95	20.30	463
1983	Wet	33.81	41.63	54.36	62.79	77.81	86.15	41.97	58.81	56.01	13.90	7.06	24.39	559
1984	Wet	24.96	69.70	86.15	27.70	39.79	44.68	4.79	4.95	29.32	44.13	24.90	16.96	418
1985	Dry	10.10	8.15	8.42	8.42	7.60	9.54	5.61	22.54	42.45	43.06	32.76	14.53	213
1986	Wet	19.80	11.98	8.42	8.42	77.81	86.15	4.79	4.95	5.28	12.51	4.95	4.79	250
1987	Dry	8.42	8.94	9.04	10.76	24.63	37.94	8.53	11.94	16.61	18.64	26.27	12.77	194
1988	Critical	19.80	11.98	5.94	5.94	5.56	8.60	3.59	3.71	13.01	22.76	19.49	7.35	128
1989	Dry	11.31	4.31	4.46	4.46	4.02	23.85	3.59	16.51	28.31	40.19	36.41	13.23	191
1990	Critical	19.80	11.98	20.26	4.46	4.02	3.71	6.71	3.93	5.05	13.50	19.67	6.21	119
1991	Critical	11.75	6.55	7.65	4.46	4.02	3.71	3.59	3.71	7.21	15.05	9.64	8.70	86
1992	Critical	9.35	6.84	4.46	4.46	4.17	3.71	3.59	5.94	9.46	10.58	13.71	10.19	86
1993	Above Normal	15.88	11.17	4.46	4.46	4.02	36.45	17.14	38.40	21.78	29.01	15.84	6.74	205
1994	Critical	15.79	11.98	5.94	6.56	25.11	21.80	4.79	4.95	19.17	42.50	30.19	9.31	198
1995	Wet	19.35	10.60	5.94	5.94	35.76	86.15	61.76	86.15	52.53	11.75	13.42	11.36	401
1996	Wet	24.12	13.05	27.44	60.49	80.59	50.16	32.03	51.53	15.66	21.09	6.06	4.79	387
1997	Wet	16.17	18.55	86.15	86.15	45.98	26.22	4.79	4.95	14.00	20.59	4.95	11.68	340
1998	Wet	15.65	8.15	9.58	82.98	77.81	70.62	13.96	45.51	53.42	12.03	5.36	21.19	416
1999	Wet	25.84	40.31	29.79	68.72	74.11	56.14	4.79	4.95	8.26	25.51	4.95	4.79	348
2000	Above Normal	10.11	44.38	14.55	28.59	62.90	46.39	4.79	7.43	28.79	48.60	25.01	17.14	339
2001	Dry	19.80	11.98	26.99	8.42	7.60	8.42	4.79	5.63	9.79	8.86	19.10	5.75	137
2002	Dry	19.80	5.75	5.94	5.94	14.88	4.95	4.79	4.95	9.11	32.53	26.24	10.09	145
2003	Above Normal	19.80	11.98	8.42	8.42	10.57	17.04	4.79	27.58	39.97	49.51	35.88	30.29	264
Average		17	13	20	24	29	30	15	20	23	26	20	12	248
Wet		19	17	34	47	54	53	31	37	26	21	11	12	363
Above Normal		16	15	16	27	34	39	11	24	25	32	22	1	

Difference in Energy generated (GWh) at Thermalito Dam : CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	1	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1927	Wet	0	0	0	0	0	0	0	0	0	0	0	1	0
1928	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	-1	0	0	0
1930	Dry	0	0	0	0	0	0	0	0	0	8	-5	-1	0
1931	Critical	-1	0	-2	0	3	0	0	0	-4	-1	0	0	0
1932	Dry	3	2	0	0	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	-2	0
1934	Critical	0	-1	0	0	0	0	0	0	0	0	0	1	0
1935	Below Norma	0	0	0	0	0	0	0	0	0	-1	0	1	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	-3	0	0	-2	-5	1	0	-1
1940	Above Norma	0	0	0	0	0	0	0	0	0	0	-1	-1	0
1941	Wet	0	0	0	0	1	0	0	0	-1	-1	0	0	0
1942	Wet	3	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1945	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1946	Below Norma	0	0	0	0	0	0	0	0	0	2	4	-2	0
1947	Dry	0	-4	0	-2	0	0	0	0	1	0	0	0	0
1948	Below Norma	1	0	0	0	0	0	0	0	0	0	0	-1	0
1949	Dry	0	0	0	0	-5	0	0	0	0	1	6	-3	0
1950	Below Norma	4	-4	-1	0	0	0	0	0	3	0	2	2	1
1951	Above Norma	0	-7	0	0	0	0	0	0	0	0	0	6	0
1952	Wet	-1	0	0	-5	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	0	-3	0	0
1956	Wet	0	0	3	0	0	-1	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	0	-1	1	0	0	0
1961	Dry	0	0	0	0	0	0	0	0	0	0	22	2	2
1962	Below Norma	-3	0	0	0	0	0	0	0	-8	0	-8	7	-1
1963	Wet	0	0	0	0	-11	0	0	0	0	-4	-3	0	-1
1964	Dry	0	0	0	0	0	0	3	0	-2	1	4	-4	0
1965	Wet	0	0	4	0	0	0	0	0	1	-3	0	0	0
1966	Below Norma	3	0	0	0	0	0	0	0	0	-1	0	-1	0
1967	Wet	0	0	0	2	0	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	0	0	-1	0	1	0	0
1973	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	Below Norma	0	0	0	0	0	0	0	0	0	0	-1	0	0
1980	Above Norma	0	0	0	1	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	-1	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	2	0	0	-2	0
1986	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	Dry	0	0	0	0	0	0	0	0	-1	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	Dry	0	0	0	0	0	0	0	0	-4	1	0	3	0
1990	Critical	0	0	-5	0	0	0	0	0	0	1	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	2	0	0
1993	Above Norma	1	0	0	0	0	-1	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	-1	0	0	0	-1	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	-1	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norma		0	-1	0	0	0	0	0	0	0	0	0	0	0
Below Norma		0	0	0	0	0	0	0	0	-1	0	0	0	0
Dry		0	0	0	0	0	0	0	0	0	0	1	0	0
Critical		0	0	-1	0	0	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy generated (GWh) at Thermalito Dam : CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1923	Below Norma	0%	0%	0%	0%	0%	4%	0%	0%	0%	0%	0%	0%
1924	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1925	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	0%
1926	Dry	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%
1927	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	5%
1928	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1929	Critical	3%	0%	0%	0%	0%	0%	0%	0%	0%	-6%	1%	0%
1930	Dry	0%	-1%	0%	0%	0%	0%	0%	0%	1%	56%	-21%	-6%
1931	Critical	-5%	0%	-13%	0%	45%	0%	-5%	0%	-11%	-2%	1%	0%
1932	Dry	33%	39%	0%	0%	0%	-3%	0%	0%	0%	0%	1%	0%
1933	Critical	0%	-2%	0%	0%	0%	-1%	0%	0%	0%	0%	0%	-18%
1934	Critical	-3%	-15%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	5%
1935	Below Norma	-1%	0%	0%	0%	0%	0%	0%	1%	0%	-2%	1%	3%
1936	Below Norma	0%	0%	-1%	0%	0%	0%	0%	0%	0%	0%	-1%	0%
1937	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	-1%	-1%	0%	0%
1938	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	-2%	-10%	0%	1%	-6%	-15%	3%	-1%
1940	Above Norma	0%	0%	4%	0%	0%	0%	0%	0%	1%	-1%	-3%	-7%
1941	Wet	0%	0%	2%	2%	1%	0%	0%	0%	-8%	-8%	0%	0%
1942	Wet	11%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1944	Dry	0%	0%	-1%	0%	2%	-1%	-1%	0%	0%	0%	0%	-1%
1945	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1946	Below Norma	0%	0%	0%	0%	1%	0%	0%	0%	0%	5%	9%	-11%
1947	Dry	0%	-32%	0%	-17%	0%	0%	0%	-1%	16%	1%	1%	1%
1948	Below Norma	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	-11%
1949	Dry	-2%	0%	0%	0%	-25%	0%	0%	0%	0%	5%	52%	-21%
1950	Below Norma	47%	-31%	-15%	0%	0%	0%	0%	0%	13%	0%	15%	48%
1951	Above Norma	3%	-16%	0%	0%	0%	1%	0%	0%	0%	0%	0%	31%
1952	Wet	-6%	0%	0%	-18%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1954	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%
1955	Dry	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	-14%	0%
1956	Wet	0%	0%	8%	0%	0%	-2%	0%	0%	0%	0%	0%	0%
1957	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	5%
1958	Wet	0%	-1%	0%	-2%	0%	0%	0%	0%	0%	2%	0%	0%
1959	Below Norma	0%	0%	0%	0%	0%	3%	-2%	0%	0%	0%	0%	0%
1960	Dry	0%	0%	0%	0%	0%	0%	0%	0%	-4%	5%	0%	0%
1961	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	187%	13%
1962	Below Norma	-15%	-2%	0%	0%	0%	0%	0%	0%	-20%	0%	-23%	35%
1963	Wet	0%	0%	0%	0%	-16%	0%	0%	0%	0%	-9%	-11%	0%
1964	Dry	0%	0%	0%	0%	0%	0%	13%	-6%	-6%	2%	13%	-25%
1965	Wet	0%	0%	16%	0%	0%	0%	0%	0%	17%	-12%	-9%	0%
1966	Below Norma	15%	0%	0%	0%	0%	0%	0%	0%	-1%	-3%	0%	-5%
1967	Wet	0%	0%	0%	13%	0%	0%	0%	0%	0%	0%	0%	0%
1968	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1969	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%	0%
1972	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	-4%	1%	3%	0%
1973	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1977	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1978	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1979	Below Norma	0%	0%	-3%	2%	0%	0%	0%	0%	0%	0%	-10%	2%
1980	Above Norma	3%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	2%
1982	Wet	2%	0%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	-3%	-6%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	2%	-1%	5%	0%	0%	-14%
1986	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1987	Dry	0%	-3%	0%	0%	0%	0%	0%	0%	-4%	1%	0%	1%
1988	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%
1989	Dry	0%	0%	0%	0%	0%	0%	0%	-1%	-11%	2%	0%	34%
1990	Critical	0%	0%	-19%	0%	0%	0%	0%	0%	0%	12%	-1%	0%
1991	Critical	1%	-3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1992	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	22%	4%
1993	Above Norma	9%	0%	0%	0%	0%	-4%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%	0%	0%
1995	Wet	1%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	0%	0%	0%	0%	0%	0%	3%	-1%	-8%	0%
1997	Wet	0%	-3%	0%	0%	0%	-3%	0%	0%	0%	0%	0%	0%
1998	Wet	0%	0%	0%	0%	0%	0%	0%	0%	-2%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2001	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%
2002	Dry	0%	0%	0%	0%	0%	0%	0%	0%	-1%	0%	0%	-1%
2003	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Average		1%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	2%	1%
Wet		0%	0%	1%	0%	-1%	0%	0%	0%	0%	-1%	-1%	0%
Above Norma		1%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	2%
Below Norma		4%	-2%	-1%	0%	0%	1%	0%	0%	-1%	0%	0%	4%
Dry		2%	0%	0%	-1%	-1%	-1%	1%	0%	-1%	3%	12%	-1%
Critical		0%	-2%	-3%	0%	4%	0%	0%	0%	-1%	0%	2%	-1%

Energy generated (GWh) at Warne: CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	55.10	45.50	21.61	1.92	30.58	55.10	46.34	51.00	48.12	49.45	49.32	47.89	502
1923	Below Normal	41.72	38.86	37.10	46.82	48.83	55.10	53.33	55.10	53.33	55.10	48.95	42.99	577
1924	Critical	36.23	33.62	31.77	20.28	17.32	11.64	15.47	14.72	13.08	16.03	10.42	9.41	230
1925	Dry	0.55	0.46	0.14	49.50	43.00	0.24	25.10	26.30	28.42	33.55	26.71	23.64	258
1926	Dry	10.31	6.66	0.18	6.52	49.77	15.77	38.85	43.11	43.21	44.27	44.11	42.70	345
1927	Wet	36.60	34.02	32.23	20.76	47.08	55.10	51.22	50.92	48.04	49.38	49.25	47.79	522
1928	Above Normal	41.64	38.77	36.98	32.80	51.55	53.58	45.12	41.00	38.09	39.19	39.11	37.90	496
1929	Critical	31.70	29.35	27.47	19.22	14.93	10.92	24.73	25.97	25.39	31.36	19.79	18.02	279
1930	Dry	3.46	0.64	0.18	0.09	19.60	50.26	28.01	40.29	40.13	46.51	45.35	41.03	316
1931	Critical	27.66	24.49	11.36	7.10	5.14	7.38	24.52	25.41	24.69	30.63	19.26	17.51	225
1932	Dry	3.18	0.62	0.17	0.09	51.55	42.14	18.40	28.60	27.83	32.87	25.97	22.99	254
1933	Critical	9.69	6.07	0.11	5.50	25.78	47.97	20.14	30.81	29.98	35.10	33.92	30.54	276
1934	Critical	18.88	16.27	5.91	7.27	26.50	5.64	21.18	31.96	31.03	36.23	35.31	31.86	268
1935	Below Normal	19.99	17.40	6.64	5.47	4.96	55.10	36.76	55.10	53.33	55.10	55.10	53.33	418
1936	Below Normal	55.10	53.33	55.10	4.38	3.76	55.10	45.99	51.41	48.48	49.99	49.94	48.62	521
1937	Below Normal	42.80	39.94	41.02	5.22	3.74	55.10	45.04	47.67	47.56	48.93	48.80	47.34	473
1938	Wet	41.31	38.53	36.80	40.93	48.23	55.10	53.33	47.82	45.03	46.24	46.10	44.75	544
1939	Dry	38.54	35.81	41.39	42.21	38.64	44.16	41.92	41.05	38.25	39.33	39.24	38.03	479
1940	Above Normal	31.82	29.44	27.62	11.94	10.67	55.10	52.61	54.26	51.72	53.64	54.15	53.33	486
1941	Wet	48.65	46.94	48.79	34.03	45.53	55.10	53.33	55.10	52.02	55.10	55.10	51.92	602
1942	Wet	41.55	36.83	35.03	44.56	48.26	55.10	48.07	47.61	44.79	46.11	45.98	44.60	538
1943	Wet	38.41	35.69	33.84	44.97	48.36	55.10	35.71	37.86	37.74	38.97	38.88	37.73	483
1944	Dry	31.52	29.13	27.30	22.44	29.00	50.97	50.00	48.41	45.37	46.72	46.64	45.25	473
1945	Below Normal	39.12	36.39	34.63	23.28	31.99	40.59	49.44	48.58	45.71	47.03	46.85	45.44	489
1946	Below Normal	39.32	36.59	34.82	43.30	48.56	55.10	53.33	55.10	47.90	42.61	42.52	41.23	540
1947	Dry	34.99	32.48	30.62	22.95	18.30	28.04	34.92	42.82	39.86	40.89	40.83	39.59	406
1948	Below Normal	33.48	31.08	29.28	12.09	10.55	9.04	26.71	48.92	46.01	47.20	47.12	45.65	387
1949	Dry	39.57	36.89	35.11	18.59	14.50	10.69	31.19	33.67	33.06	38.37	37.37	33.79	363
1950	Below Normal	21.55	18.83	7.48	5.34	4.53	53.19	40.29	48.37	45.36	46.71	46.56	45.11	383
1951	Above Normal	39.05	36.37	34.69	40.27	48.17	55.10	48.20	47.73	44.88	46.08	45.99	44.65	531
1952	Wet	38.43	35.72	33.88	46.82	51.55	55.10	53.33	47.46	44.38	45.83	45.71	44.37	543
1953	Wet	43.92	41.17	55.10	41.89	32.52	55.10	39.58	47.09	44.17	45.61	45.43	44.13	536
1954	Above Normal	37.92	35.24	33.40	40.97	49.77	55.10	53.33	55.10	51.76	53.17	49.17	45.98	561
1955	Dry	39.81	37.03	35.20	23.22	25.24	17.79	27.29	30.03	29.11	34.05	30.92	27.67	357
1956	Wet	15.37	12.40	3.58	23.05	45.01	55.10	39.34	47.48	44.58	45.82	45.70	44.37	422
1957	Above Normal	38.19	35.53	33.74	41.29	49.77	55.10	51.74	38.69	36.04	36.97	36.85	35.73	490
1958	Wet	29.52	27.27	25.40	43.23	44.78	55.10	43.25	45.79	45.69	47.00	46.97	45.55	500
1959	Below Normal	39.39	36.59	48.38	42.32	45.16	29.21	41.90	40.92	38.22	39.33	39.15	37.95	479
1960	Dry	31.78	29.37	27.53	17.94	15.75	13.67	39.32	41.63	40.76	45.52	44.64	41.30	389
1961	Dry	30.23	27.16	17.67	11.96	29.00	49.38	29.78	40.86	40.18	45.30	44.39	40.81	407
1962	Below Normal	29.27	26.18	15.91	9.28	7.45	41.28	51.80	51.32	48.50	49.92	49.93	48.65	429
1963	Wet	42.86	40.01	38.29	39.76	49.77	55.10	53.33	55.10	49.63	49.40	48.56	46.77	569
1964	Dry	40.59	37.78	35.90	25.71	51.55	45.84	36.16	36.46	34.43	37.10	36.70	34.69	453
1965	Wet	26.55	24.05	19.05	32.98	49.39	47.93	31.90	33.86	33.82	34.94	34.88	33.76	403
1966	Below Normal	27.61	25.40	23.45	41.29	48.68	55.10	46.77	46.14	43.27	44.42	44.40	43.04	490
1967	Wet	36.86	34.21	32.35	28.07	44.23	55.10	52.43	46.67	46.59	48.02	47.91	46.46	519
1968	Below Normal	40.26	48.89	55.10	41.93	46.22	55.10	34.23	42.06	39.36	40.44	40.25	39.05	523
1969	Wet	32.84	30.40	28.54	26.25	44.23	55.10	52.76	46.71	46.62	47.99	47.86	46.44	506
1970	Wet	40.20	37.41	55.10	41.99	44.44	55.10	39.19	47.49	44.66	45.92	45.74	44.37	542
1971	Wet	38.17	35.46	33.65	45.14	48.47	55.10	53.33	55.10	53.08	55.10	46.71	52.92	572
1972	Below Normal	41.76	37.14	34.84	29.32	50.93	49.34	33.57	35.01	34.03	38.70	37.86	34.66	457
1973	Above Normal	23.55	20.90	11.28	55.10	49.77	55.10	37.54	45.66	42.88	43.94	43.82	42.50	472
1974	Wet	36.32	33.68	31.87	45.66	48.83	55.10	47.95	47.51	44.75	45.90	45.78	44.44	528
1975	Wet	38.23	35.49	33.64	44.61	49.77	55.10	47.91	48.44	45.64	46.80	46.69	45.34	538
1976	Critical	39.11	36.36	34.55	43.19	51.55	55.10	48.20	35.31	32.51	33.46	33.29	32.27	475
1977	Critical	26.10	23.96	22.13	15.88	13.90	10.20	13.15	11.76	10.13	12.22	8.09	7.24	175
1978	Above Normal	0.59	0.41	0.28	40.34	49.77	55.10	47.71	50.54	50.71	52.59	52.88	51.90	453
1979	Below Normal	46.84	44.54	44.70	15.72	42.62	46.94	46.50	46.04	43.22	44.31	44.19	42.89	509
1980	Above Normal	36.72	34.07	32.33	37.65	51.55	55.10	46.47	40.04	40.00	41.30	41.17	39.92	496
1981	Dry	33.77	31.25	29.43	40.75	49.77	55.10	43.32	42.60	39.97	40.94	40.80	39.56	487
1982	Wet	33.33	30.88	29.07	44.26	48.82	55.10	53.33	47.53	44.62	45.90	45.75	44.37	523
1983	Wet	38.18	35.45	55.10	41.89	44.45	55.10	41.99	44.55	44.52	45.71	45.73	44.39	537
1984	Wet	43.91	41.17	55.10	41.89	46.22	55.10	39.11	47.43	44.47	45.86	45.72	44.39	550
1985	Dry	38.12	35.45	33.62	41.26	49.77	55.10	53.33	45.86	41.97	43.07	44.29	45.15	527
1986	Wet	39.09	36.45	34.68	18.95	24.50	55.10	35.56	37.26	37.31	38.30	38.28	37.02	432
1987	Dry	30.90	28.60	26.76	33.53	45.09	44.89	38.97	37.96	35.14	35.99	36.04	34.92	429
1988	Critical	28.79	26.52	24.65	18.21	20.00	10.80	22.30	22.79	21.94	27.17	17.17	15.64	256
1989	Dry	2.29	0.59	0.16	0.09	0.11	22.69	44.34	52.52	49.69	51.39	51.62	50.58	326
1990	Critical	45.34	42.91	42.40	4.68	3.94	6.88	22.48	22.91	22.11	27.28	17.24	15.71	274
1991	Critical	2.33	0.59	0.11	0.09	0.12	2.91	20.50	20.78	19.80	24.46	15.52	14.16	121
1992	Critical	1.57	0.55	0.17	0.09	0.12	16.25	19.80	30.22	29.28	34.40	29.06	25.83	187
1993	Above Normal	12.81	9.35	1.58	6.05	37.27	55.10	45.21	50.08	47.13	48.38	48.33	46.90	408
1994	Critical	40.77	37.96	36.17	34.79	43.96	44.86	32.53	33.41	31.85	35.36	34.78	32.33	439
1995	Wet	22.89	20.47	13.46	11.17	44.33	55.10	51.84	47.17	47.07	48.41	48.39	46.94	457
1996	Wet	40.81	38.00	55.10	41.92	46.24	55.10	38.07	41.85	41.75	42.96	42.85	41.55	526
1997	Wet	35.34	32.79	30.97	45.44	48.83	55.10	35.90	34.96	32.05	33.04	32.98	31.96	449
1998	Wet	25.73	23.65	21.74	38.08	48.03	55.10	50.93	44.75	44.69	46.14	46.09	44.70	490
1999	Wet	38.47	47.23	55.10	41.89	45.00	55.10	36.45	44.46	41.55	42.94	42.89	41.58	533
2000	Above Normal	35.35	32.81	30.92	24.64	51.55	55.10	50.62	50.28	47.33	48.83	48.78	47.31	524
2001	Dry	41.10	38.29	36.43	22.51	18.74	55.10	23.79	35.32	34.68	40.61	39.63	35.77	422
2002	Dry	23.13	20.31	8.36	3.69	29.76	13.21	39.27	38.68	35.93	37.52	37.41	36.02	323
2003	Above Normal	29.42	27.14	24.59	28.94	47.58	39.65	44.29	52.27	49.32	51.11	55.10	53.33	503

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Energy generated (GWh) at Warne: CP4B_2020

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	55.10	45.50	21.61	1.92	30.58	55.10	46.34	51.00	48.12	49.45	49.32	47.89	502
1923	Below Normal	41.72	38.86	37.10	46.82	44.45	55.10	53.33	55.10	53.33	55.10	48.95	42.99	573
1924	Critical	36.23	33.62	31.77	20.28	17.32	11.64	15.47	14.72	13.08	16.03	10.42	9.41	230
1925	Dry	0.55	0.46	0.14	9.40	30.91	0.24	25.10	26.30	28.43	33.56	26.72	23.65	205
1926	Dry	10.31	6.67	0.18	6.52	34.68	20.73	33.98	43.09	43.19	44.25	44.09	42.68	330
1927	Wet	36.58	34.00	32.21	20.76	47.07	55.10	51.22	50.92	48.04	49.38	49.25	47.79	522
1928	Above Normal	41.64	38.77	36.98	32.22	51.55	53.63	45.45	41.29	38.38	39.48	39.40	38.18	497
1929	Critical	31.99	29.63	27.74	19.29	14.99	10.95	24.82	26.07	25.50	31.51	19.88	18.10	280
1930	Dry	3.49	0.64	0.18	0.09	25.99	50.26	28.02	40.29	40.12	46.50	45.34	41.03	322
1931	Critical	27.67	24.49	11.37	7.07	5.15	7.38	24.28	25.13	24.38	30.25	19.03	17.29	223
1932	Dry	3.07	0.62	0.17	11.09	31.59	41.19	17.89	27.93	27.22	32.40	23.90	21.10	238
1933	Critical	7.36	3.45	0.11	3.75	47.41	47.09	19.67	30.12	29.30	34.48	31.08	27.77	282
1934	Critical	15.48	12.44	3.52	7.02	18.62	5.51	21.08	31.83	30.90	36.07	35.16	31.72	249
1935	Below Normal	19.88	17.30	6.57	5.46	4.97	55.10	36.57	55.10	53.33	55.10	55.10	53.33	418
1936	Below Normal	55.10	53.33	55.10	4.37	3.76	55.10	45.75	51.28	48.34	49.82	49.75	48.41	520
1937	Below Normal	42.54	39.68	27.90	5.21	3.74	55.10	44.99	47.62	47.51	48.88	48.74	47.28	459
1938	Wet	41.24	38.46	36.73	40.91	44.42	55.10	53.33	47.82	45.03	46.24	46.10	44.74	540
1939	Dry	38.53	35.81	41.56	42.21	38.46	50.19	33.76	41.53	38.73	39.82	39.73	38.50	479
1940	Above Normal	32.29	29.89	28.08	11.87	10.55	55.10	53.27	54.16	51.61	53.50	54.00	53.20	488
1941	Wet	48.43	46.66	48.32	40.20	44.37	55.10	53.33	55.10	53.33	54.55	48.99	45.05	593
1942	Wet	38.85	36.13	34.34	45.03	48.38	55.10	48.02	47.56	44.74	46.06	45.92	44.55	535
1943	Wet	38.36	35.64	33.79	44.99	48.36	55.10	35.70	37.85	37.73	38.97	38.88	37.73	483
1944	Dry	31.51	29.13	27.30	22.44	29.23	50.94	49.96	48.39	45.35	46.70	46.62	45.23	473
1945	Below Normal	39.10	36.37	34.61	23.29	32.17	40.46	49.53	48.63	45.76	47.08	46.90	45.49	489
1946	Below Normal	39.37	36.64	34.86	43.38	44.44	55.10	53.33	55.10	48.41	42.74	42.65	41.36	537
1947	Dry	35.12	32.60	30.74	23.31	18.82	38.24	35.56	43.49	40.52	41.56	41.51	40.25	422
1948	Below Normal	34.14	31.71	29.91	11.62	10.14	8.88	26.71	48.90	46.00	47.18	47.10	45.63	388
1949	Dry	39.56	36.88	35.10	18.58	14.50	10.71	31.68	34.26	33.69	39.11	38.08	34.44	367
1950	Below Normal	22.08	19.32	7.78	5.39	4.59	43.05	40.41	48.50	45.49	46.84	46.69	45.24	375
1951	Above Normal	39.17	36.49	34.81	40.32	44.42	55.10	48.20	47.73	44.88	46.08	45.99	44.65	528
1952	Wet	38.43	35.72	33.88	46.82	46.22	55.10	53.33	47.46	44.38	45.83	45.71	44.37	537
1953	Wet	43.92	41.17	55.10	41.89	32.52	55.10	39.00	47.09	44.17	45.61	45.43	44.13	535
1954	Above Normal	37.92	35.24	33.40	40.98	49.77	55.10	53.33	55.10	51.77	53.05	49.13	45.98	561
1955	Dry	39.80	37.03	35.20	23.24	25.24	17.96	27.85	30.83	29.90	34.80	34.02	30.69	367
1956	Wet	19.05	16.53	6.15	23.07	44.65	55.10	39.33	47.45	44.55	45.78	45.67	44.34	432
1957	Above Normal	38.16	35.52	33.73	41.30	49.77	55.10	51.75	38.70	36.04	36.97	36.86	35.74	490
1958	Wet	29.53	27.27	25.41	43.24	44.78	55.10	43.25	45.80	45.70	47.01	46.97	45.55	500
1959	Below Normal	39.40	36.60	48.20	42.32	45.02	29.21	41.90	40.92	38.22	39.33	39.15	37.95	478
1960	Dry	31.78	29.37	27.53	17.94	15.75	13.70	39.34	41.63	40.75	45.48	44.60	41.28	389
1961	Dry	30.26	27.19	17.76	12.04	23.71	49.37	29.77	40.86	40.18	45.31	44.39	40.81	402
1962	Below Normal	29.26	26.17	15.89	8.88	7.44	28.88	42.58	50.67	47.80	49.07	48.98	47.59	403
1963	Wet	41.64	38.85	37.14	37.87	44.85	55.10	53.33	55.10	48.53	48.20	48.08	46.68	555
1964	Dry	40.50	37.69	35.81	27.93	51.55	50.65	38.25	35.61	33.22	35.08	34.82	33.27	454
1965	Wet	26.12	23.80	20.35	34.77	49.58	47.94	31.91	33.87	33.83	34.95	34.89	33.77	406
1966	Below Normal	27.62	25.41	23.46	41.90	48.83	55.10	38.49	46.08	43.21	44.35	44.33	42.98	482
1967	Wet	36.79	34.14	32.28	29.14	44.42	55.10	52.30	46.54	46.46	47.89	47.77	46.33	519
1968	Below Normal	40.13	48.76	55.10	41.93	46.22	55.10	34.23	42.06	39.36	40.44	40.25	39.05	523
1969	Wet	32.84	30.40	28.54	26.31	44.23	55.10	52.76	46.70	46.61	47.98	47.86	46.43	506
1970	Wet	40.19	37.41	55.10	41.99	44.44	55.10	39.19	47.49	44.66	45.92	45.74	44.37	542
1971	Wet	38.17	35.46	33.65	45.14	48.47	55.10	53.33	55.10	53.09	55.10	46.71	52.93	572
1972	Below Normal	41.76	37.14	34.83	29.32	50.93	50.55	33.01	35.00	34.03	38.72	37.88	34.66	458
1973	Above Normal	23.53	20.87	11.20	41.13	44.76	55.10	37.54	45.67	42.88	43.95	43.83	42.51	453
1974	Wet	36.32	33.69	31.88	45.66	44.45	55.10	47.95	47.51	44.75	45.90	45.78	44.44	523
1975	Wet	38.23	35.49	33.64	44.61	44.90	55.10	47.91	48.44	45.64	46.80	46.69	45.34	533
1976	Critical	39.11	36.36	34.55	43.19	47.26	55.10	48.27	35.32	32.52	33.47	33.30	32.28	471
1977	Critical	26.11	23.97	22.14	15.88	13.90	10.20	13.15	11.76	10.13	12.22	8.09	7.24	175
1978	Above Normal	0.59	0.41	0.28	7.03	35.53	55.10	47.71	50.54	50.71	52.59	52.88	51.91	405
1979	Below Normal	46.85	44.55	44.71	15.77	42.67	47.00	46.50	46.04	43.22	44.31	44.19	42.89	509
1980	Above Normal	36.72	34.07	32.33	37.56	47.30	55.10	46.51	40.08	40.04	41.34	41.21	39.96	492
1981	Dry	33.81	31.29	29.47	40.73	49.77	55.10	43.32	42.60	39.97	40.95	40.81	39.56	487
1982	Wet	33.33	30.88	29.08	44.26	44.45	55.10	53.33	47.53	44.62	45.90	45.75	44.37	519
1983	Wet	38.18	35.45	55.10	41.89	44.45	55.10	41.99	44.55	44.52	45.71	45.73	44.39	537
1984	Wet	43.91	41.17	55.10	41.89	46.22	55.10	39.11	47.43	44.47	45.86	45.72	44.39	550
1985	Dry	38.12	35.45	33.62	41.26	49.77	55.10	53.33	44.75	41.44	42.52	43.48	44.83	524
1986	Wet	38.78	36.16	34.39	18.79	22.00	55.10	37.84	37.26	37.31	38.30	38.28	37.02	431
1987	Dry	30.90	28.60	26.76	33.81	45.32	45.13	39.17	38.17	35.35	36.21	36.26	35.13	431
1988	Critical	28.99	26.72	24.85	18.32	20.13	10.83	22.30	22.79	21.94	27.17	17.17	15.64	257
1989	Dry	2.29	0.59	0.16	0.09	0.11	16.69	44.35	52.53	49.71	51.41	51.64	50.60	320
1990	Critical	45.37	42.94	34.93	4.48	3.71	6.83	22.77	23.26	22.50	27.76	17.53	15.97	268
1991	Critical	2.46	0.59	0.11	0.09	0.12	3.01	21.16	21.56	20.66	25.52	16.16	14.76	126
1992	Critical	1.87	0.56	0.17	0.09	0.12	3.73	28.82	30.78	29.83	34.91	31.07	27.76	190
1993	Above Normal	15.14	11.95	3.21	6.04	37.09	55.10	45.30	50.08	47.12	48.37	48.32	46.89	415
1994	Critical	40.77	37.96	36.19	34.78	43.96	44.85	32.53	33.41	31.85	35.37	34.78	32.33	439
1995	Wet	22.89	20.47	13.45	11.17	43.12	55.10	52.94	47.16	47.06	48.41	48.38	46.93	457
1996	Wet	40.80	38.00	55.10	41.92	46.24	55.10	38.07	41.85	41.75	42.96	42.85	41.55	526
1997	Wet	35.34	32.79	30.97	45.44	48.83	55.10	35.90	34.96	32.05	33.04	32.98	31.96	449
1998	Wet	25.73	23.65	21.74	38.11	48.04	55.10	50.93	44.74	44.69	46.14	46.09	44.70	490
1999	Wet	38.48	47.21	55.10	41.89	45.00	55.10	36.45	44.46	41.55	42.94	42.89	41.58	533
2000	Above Normal	35.35	32.81	30.92	24.65	46.78	55.10	50.62	50.28	47.33	48.83	48.78	47.31	519
2001	Dry	41.09	38.29	36.43	22.51	18.74	55.10	23.80	35.33	34.69	40.62	39.64	35.78	422
2002	Dry	23.14	20.32	8.36	3.69	29.79	13.21	39.28	38.68	35.92	37.51	37.39	36.00	323
2003	Above Normal	29.42	27.15	24.61	29.09	47.60	39.75	44.26	52.24	49.29	51.07	50.83	53.33	499</

Difference in Energy generated (GWh) at Warne: CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	-4	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	-40	-12	0	0	0	0	0	0	0	-4
1926	Dry	0	0	0	0	-15	5	-5	0	0	0	0	0	-1
1927	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	-1	0	0	0	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	0	6	0	0	0	0	0	0	0	1
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1932	Dry	0	0	0	11	-20	-1	-1	-1	-1	0	-2	-2	-1
1933	Critical	-2	-3	0	-2	22	-1	0	-1	-1	-1	-3	-3	0
1934	Critical	-3	-4	-2	0	-8	0	0	0	0	0	0	0	-2
1935	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	0	-13	0	0	0	0	0	0	0	0	0	-1
1938	Wet	0	0	0	0	-4	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	6	-8	0	0	0	0	0	0
1940	Above Norma	0	0	0	0	0	0	1	0	0	0	0	0	0
1941	Wet	0	0	0	6	-1	0	0	0	1	-1	-6	-7	-1
1942	Wet	-3	-1	-1	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1945	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1946	Below Norma	0	0	0	0	-4	0	0	0	1	0	0	0	0
1947	Dry	0	0	0	0	1	10	1	1	1	1	1	1	1
1948	Below Norma	1	1	1	0	0	0	0	0	0	0	0	0	0
1949	Dry	0	0	0	0	0	0	0	1	1	1	1	1	0
1950	Below Norma	1	0	0	0	0	-10	0	0	0	0	0	0	-1
1951	Above Norma	0	0	0	0	-4	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	-5	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	-1	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	1	1	1	1	3	3	1
1956	Wet	4	4	3	0	0	0	0	0	0	0	0	0	1
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1961	Dry	0	0	0	0	-5	0	0	0	0	0	0	0	0
1962	Below Norma	0	0	0	0	0	-12	-9	-1	-1	-1	-1	-1	-2
1963	Wet	-1	-1	-1	-2	-5	0	0	0	-1	-1	0	0	-1
1964	Dry	0	0	0	2	0	5	2	-1	-1	-2	-2	-1	0
1965	Wet	0	0	1	2	0	0	0	0	0	0	0	0	0
1966	Below Norma	0	0	0	1	0	0	-8	0	0	0	0	0	-1
1967	Wet	0	0	0	1	0	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	1	-1	0	0	0	0	0	0
1973	Above Norma	0	0	0	-14	-5	0	0	0	0	0	0	0	-2
1974	Wet	0	0	0	0	-4	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	-5	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	-4	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Norma	0	0	0	-33	-14	0	0	0	0	0	0	0	-4
1979	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	Above Norma	0	0	0	0	-4	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	-4	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	-1	-1	-1	-1	-1	0	0
1986	Wet	0	0	0	0	-2	0	2	0	0	0	0	0	0
1987	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	Dry	0	0	0	0	0	-6	0	0	0	0	0	0	0
1990	Critical	0	0	-7	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	1	1	1	1	1	1	0
1992	Critical	0	0	0	0	0	-13	9	1	1	1	2	2	0
1993	Above Norma	2	3	2	0	0	0	0	0	0	0	0	0	1
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	0	0	0	0	-1	0	1	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	-5	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	Above Norma	0	0	0	0	0	0	0	0	0	0	-4	0	0
Average		0	0	0	-1	-1	0	0	0	0	0	0	0	0
Wet		0	0	0	0	-1	0	0	0	0	0	0	0	0
Above Norma		0	0	0	-4	-3	0	0	0	0	0	0	0	-1
Below Norma		0	0	-1	0	-1	-2	-1	0	0	0	0	0	0
Dry		0	0	0	-1	-3	1	-1	0	0	0	0	0	0
Critical		0	0	-1	0	1	-1	1	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy generated (GWh) at Warne: CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1923	Below Norma	0%	0%	0%	0%	-9%	0%	0%	0%	0%	0%	0%	0%
1924	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1925	Dry	0%	0%	0%	-81%	-28%	0%	0%	0%	0%	0%	0%	0%
1926	Dry	0%	0%	0%	0%	-30%	31%	-13%	0%	0%	0%	0%	0%
1927	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1928	Above Norma	0%	0%	0%	-2%	0%	0%	1%	1%	1%	1%	1%	1%
1929	Critical	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1930	Dry	1%	0%	0%	0%	33%	0%	0%	0%	0%	0%	0%	0%
1931	Critical	0%	0%	0%	0%	0%	0%	-1%	-1%	-1%	-1%	-1%	-1%
1932	Dry	-3%	-1%	0%	11955%	-39%	-2%	-3%	-2%	-2%	-1%	-8%	-8%
1933	Critical	-24%	-43%	0%	-32%	84%	-2%	-2%	-2%	-2%	-2%	-8%	-9%
1934	Critical	-18%	-24%	-40%	-3%	-30%	-2%	0%	0%	0%	0%	0%	0%
1935	Below Norma	-1%	-1%	-1%	0%	0%	0%	-1%	0%	0%	0%	0%	0%
1936	Below Norma	0%	0%	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%
1937	Below Norma	-1%	-1%	-32%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1938	Wet	0%	0%	0%	0%	-8%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	0%	14%	-19%	1%	1%	1%	1%	1%
1940	Above Norma	1%	2%	2%	-1%	-1%	0%	1%	0%	0%	0%	0%	0%
1941	Wet	0%	-1%	-1%	18%	-3%	0%	0%	0%	3%	-1%	-11%	-13%
1942	Wet	-6%	-2%	-2%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1944	Dry	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%
1945	Below Norma	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%
1946	Below Norma	0%	0%	0%	0%	-8%	0%	0%	0%	1%	0%	0%	0%
1947	Dry	0%	0%	0%	2%	3%	36%	2%	2%	2%	2%	2%	2%
1948	Below Norma	2%	2%	2%	-4%	-4%	-2%	0%	0%	0%	0%	0%	0%
1949	Dry	0%	0%	0%	0%	0%	0%	2%	2%	2%	2%	2%	2%
1950	Below Norma	2%	3%	4%	1%	1%	-19%	0%	0%	0%	0%	0%	0%
1951	Above Norma	0%	0%	0%	0%	-8%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	-10%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%
1954	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1955	Dry	0%	0%	0%	0%	0%	1%	2%	3%	3%	2%	10%	11%
1956	Wet	24%	33%	72%	0%	-1%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1958	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1960	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1961	Dry	0%	0%	1%	1%	-18%	0%	0%	0%	0%	0%	0%	0%
1962	Below Norma	0%	0%	0%	-4%	0%	-30%	-18%	-1%	-1%	-2%	-2%	-2%
1963	Wet	-3%	-3%	-3%	-5%	-10%	0%	0%	-2%	-2%	-2%	-1%	0%
1964	Dry	0%	0%	0%	9%	0%	10%	6%	-2%	-4%	-5%	-5%	-4%
1965	Wet	-2%	-1%	7%	5%	0%	0%	0%	0%	0%	0%	0%	0%
1966	Below Norma	0%	0%	0%	1%	0%	0%	-18%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	0%	4%	0%	0%	0%	0%	0%	0%	0%	0%
1968	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1969	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1972	Below Norma	0%	0%	0%	0%	0%	2%	-2%	0%	0%	0%	0%	0%
1973	Above Norma	0%	0%	-1%	-25%	-10%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	-9%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	-10%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	-8%	0%	0%	0%	0%	0%	0%	0%
1977	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1978	Above Norma	0%	0%	0%	-83%	-29%	0%	0%	0%	0%	0%	0%	0%
1979	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1980	Above Norma	0%	0%	0%	0%	-8%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1982	Wet	0%	0%	0%	0%	-9%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	0%	-2%	-1%	-1%	-2%	-1%
1986	Wet	-1%	-1%	-1%	-1%	-10%	0%	6%	0%	0%	0%	0%	0%
1987	Dry	0%	0%	0%	1%	1%	1%	1%	1%	1%	1%	1%	1%
1988	Critical	1%	1%	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%
1989	Dry	0%	0%	0%	0%	0%	-26%	0%	0%	0%	0%	0%	0%
1990	Critical	0%	0%	-18%	-4%	-6%	-1%	1%	2%	2%	2%	2%	2%
1991	Critical	6%	1%	0%	0%	0%	4%	3%	4%	4%	4%	4%	4%
1992	Critical	19%	2%	0%	0%	0%	-77%	46%	2%	2%	1%	7%	7%
1993	Above Norma	18%	28%	103%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1995	Wet	0%	0%	0%	0%	-3%	0%	2%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1998	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norma	0%	0%	0%	0%	-9%	0%	0%	0%	0%	0%	0%	0%
2001	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2002	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2003	Above Norma	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	-8%	0%
Average		0%	0%	1%	143%	-2%	-1%	0%	0%	0%	0%	0%	0%
Above Norma		0%	1%	3%	1%	-3%	0%	0%	0%	0%	0%	0%	-1%
Below Norma		2%	2%	9%	-9%	-5%	0%	0%	0%	0%	0%	-1%	0%
Dry		0%	0%	0%	660%	-4%	4%	-1%	0%	0%	0%	0%	0%
Critical		-1%	-5%	-5%	-3%	3%	-6%	4%	0%	0%	0%	0%	0%

Energy Use (GWh) At Pumping Plant at Badger Hill: CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	1.87	1.36	1.32	0.45	1.01	2.49	2.83	3.53	4.35	4.50	3.90	2.91	31
1923	Below Normal	1.98	1.70	1.39	1.41	1.37	2.18	2.56	3.24	4.01	4.15	3.58	2.66	30
1924	Critical	1.80	1.53	1.25	0.14	0.13	0.22	0.41	0.48	1.03	1.08	0.99	0.42	9
1925	Dry	0.23	0.21	0.30	0.35	0.36	0.48	1.23	1.63	2.43	2.57	2.32	1.42	14
1926	Dry	0.70	0.56	0.66	0.23	0.64	1.32	1.77	3.05	3.76	3.88	3.36	2.51	22
1927	Wet	1.71	1.47	1.20	0.39	1.23	2.49	2.83	3.53	4.36	4.51	3.90	2.92	31
1928	Above Normal	1.99	1.70	1.39	0.73	1.10	1.54	2.25	2.81	3.48	3.60	3.11	2.32	26
1929	Critical	1.57	1.34	1.10	0.22	0.22	0.38	0.86	1.02	2.15	2.26	2.07	0.89	14
1930	Dry	0.48	0.44	0.64	0.18	0.63	0.81	1.52	2.85	3.43	3.63	3.23	2.46	20
1931	Critical	1.16	0.86	0.83	0.17	0.24	0.36	0.84	0.99	2.09	2.19	2.01	0.87	13
1932	Dry	0.47	0.43	0.63	0.21	0.60	0.70	1.00	1.57	2.38	2.51	2.27	1.37	14
1933	Critical	0.66	0.53	0.62	0.20	0.56	0.70	1.11	2.08	2.52	2.67	2.38	1.80	16
1934	Critical	0.84	0.61	0.60	0.23	0.48	0.50	1.16	2.18	2.62	2.78	2.47	1.89	16
1935	Below Normal	0.87	0.64	0.62	0.13	0.34	0.76	2.16	3.96	4.87	5.03	4.36	3.28	27
1936	Below Normal	2.25	1.94	1.60	0.09	0.24	2.38	2.80	3.49	4.29	4.43	3.85	2.89	30
1937	Below Normal	1.98	1.70	1.40	0.14	0.25	1.35	2.70	3.36	4.13	4.27	3.70	2.78	28
1938	Wet	1.91	1.64	1.35	1.20	1.37	2.39	2.92	3.40	4.21	4.35	3.77	2.80	31
1939	Dry	1.90	1.62	1.32	1.53	1.25	1.88	2.31	2.89	3.58	3.71	3.20	2.38	28
1940	Above Normal	1.60	1.37	1.11	0.09	0.23	2.42	2.96	3.68	4.52	4.68	4.06	3.05	30
1941	Wet	2.09	1.80	1.48	0.78	1.40	2.23	2.76	3.45	4.26	4.41	3.81	2.84	31
1942	Wet	1.93	1.65	1.34	1.27	1.57	2.39	2.71	3.39	4.20	4.35	3.76	2.79	31
1943	Wet	1.89	1.61	1.31	1.50	1.57	2.14	2.50	2.88	3.57	3.69	3.19	2.37	28
1944	Dry	1.59	1.36	1.10	0.40	0.63	1.94	2.60	3.24	4.00	4.13	3.58	2.68	27
1945	Below Normal	1.83	1.57	1.28	0.34	0.37	1.84	2.60	3.24	3.99	4.13	3.58	2.68	27
1946	Below Normal	1.83	1.57	1.29	1.35	1.37	1.96	2.51	3.14	3.89	4.02	3.48	2.58	29
1947	Dry	1.74	1.49	1.21	0.29	0.27	0.51	2.21	2.75	3.39	3.50	3.03	2.27	23
1948	Below Normal	1.55	1.33	1.10	0.10	0.14	0.20	0.99	3.28	4.03	4.17	3.62	2.72	23
1949	Dry	1.87	1.61	1.33	0.21	0.20	0.29	1.24	2.31	2.78	2.95	2.63	2.00	19
1950	Below Normal	0.94	0.70	0.67	0.12	0.27	0.87	2.55	3.16	3.89	4.02	3.49	2.62	23
1951	Above Normal	1.80	1.54	1.27	1.25	1.58	2.39	2.71	3.40	4.20	4.35	3.76	2.80	31
1952	Wet	1.89	1.61	1.31	1.41	1.37	2.38	2.90	3.58	4.18	4.33	3.74	2.78	31
1953	Wet	1.88	1.80	1.50	1.61	1.37	2.11	2.68	3.35	4.15	4.29	3.71	2.76	31
1954	Above Normal	1.87	1.59	1.30	1.07	1.19	1.98	2.78	3.47	4.29	4.43	3.84	2.86	31
1955	Dry	1.94	1.66	1.35	0.26	0.38	0.49	1.01	1.90	2.48	2.62	2.35	1.65	18
1956	Wet	0.78	0.59	0.61	1.26	1.58	2.39	2.71	3.39	4.20	4.35	3.76	2.79	28
1957	Above Normal	1.89	1.61	1.31	1.07	1.13	1.63	2.16	2.70	3.34	3.45	2.99	2.22	26
1958	Wet	1.50	1.28	1.04	1.23	1.48	2.31	2.96	3.44	4.26	4.41	3.81	2.84	31
1959	Below Normal	1.93	1.65	1.34	1.49	1.41	1.99	2.30	2.88	3.57	3.70	3.20	2.37	28
1960	Dry	1.60	1.37	1.11	0.10	0.12	0.47	1.81	2.85	3.45	3.62	3.20	2.43	22
1961	Dry	1.33	1.06	0.95	0.24	0.51	0.74	1.72	2.82	3.41	3.59	3.18	2.41	22
1962	Below Normal	1.27	0.99	0.90	0.14	0.15	1.70	2.80	3.48	4.28	4.42	3.84	2.89	27
1963	Wet	1.98	1.70	1.40	1.07	1.28	1.75	2.52	3.52	4.36	4.51	3.90	2.91	31
1964	Dry	1.97	1.69	1.38	0.47	1.18	1.14	1.79	2.51	3.08	3.21	2.80	2.10	23
1965	Wet	1.27	1.04	0.88	1.21	1.55	1.78	2.26	2.58	3.20	3.31	2.86	2.12	24
1966	Below Normal	1.43	1.21	0.98	1.38	1.57	2.38	2.62	3.28	4.06	4.20	3.63	2.70	29
1967	Wet	1.82	1.56	1.27	0.59	1.61	2.44	2.78	3.67	4.29	4.43	3.84	2.86	31
1968	Below Normal	1.94	1.86	1.55	1.60	1.57	2.06	2.38	2.98	3.69	3.82	3.30	2.45	29
1969	Wet	1.65	1.41	1.14	0.59	1.61	2.44	2.98	3.58	4.28	4.43	3.83	2.86	31
1970	Wet	1.94	1.66	1.55	1.59	1.57	2.12	2.69	3.37	4.17	4.32	3.73	2.77	31
1971	Wet	1.88	1.60	1.30	1.32	1.37	1.82	2.75	3.43	4.25	4.40	3.80	2.83	31
1972	Below Normal	1.91	1.63	1.33	0.61	1.02	1.44	1.49	2.56	3.11	3.28	2.90	2.20	24
1973	Above Normal	1.10	0.84	0.77	1.26	1.48	2.40	2.58	3.22	3.99	4.13	3.57	2.66	28
1974	Wet	1.80	1.54	1.25	1.41	1.57	2.36	2.70	3.38	4.19	4.33	3.74	2.78	31
1975	Wet	1.88	1.60	1.31	1.28	1.44	2.23	2.74	3.43	4.24	4.39	3.80	2.83	31
1976	Critical	1.91	1.64	1.33	1.19	1.08	1.66	1.95	2.44	3.03	3.13	2.70	2.01	24
1977	Critical	1.35	1.15	0.94	0.10	0.10	0.15	0.29	0.35	0.75	0.78	0.72	0.31	7
1978	Above Normal	0.16	0.15	0.22	0.30	0.94	2.10	3.14	3.85	4.50	4.65	4.03	3.03	27
1979	Below Normal	2.07	1.78	1.46	0.46	1.02	1.84	2.52	3.15	3.89	4.02	3.48	2.60	28
1980	Above Normal	1.77	1.51	1.24	0.99	1.08	2.16	2.61	3.01	3.72	3.85	3.33	2.48	28
1981	Dry	1.68	1.44	1.17	1.20	1.25	2.10	2.40	3.00	3.71	3.84	3.32	2.47	28
1982	Wet	1.67	1.42	1.16	1.41	1.37	2.38	2.70	3.38	4.18	4.33	3.74	2.78	31
1983	Wet	1.88	1.60	1.50	1.61	1.57	2.38	2.90	3.58	4.38	4.53	3.74	2.78	32
1984	Wet	2.08	1.80	1.50	1.61	1.57	2.38	2.70	3.38	4.18	4.33	3.74	2.78	32
1985	Dry	1.88	1.60	1.30	1.07	1.01	1.66	2.50	3.12	3.86	3.99	3.46	2.58	28
1986	Wet	1.75	1.50	1.22	0.12	0.23	2.36	2.34	2.66	3.28	3.39	2.94	2.21	24
1987	Dry	1.51	1.30	1.06	0.96	1.01	1.52	2.09	2.62	3.24	3.35	2.90	2.16	24
1988	Critical	1.46	1.25	1.02	0.20	0.37	0.38	0.72	0.86	1.83	1.92	1.76	0.75	12
1989	Dry	0.40	0.36	0.53	0.23	0.29	0.62	2.77	3.44	4.23	4.37	3.79	2.85	24
1990	Critical	1.96	1.68	1.39	0.10	0.14	0.29	0.75	0.89	1.86	1.95	1.79	0.78	14
1991	Critical	0.43	0.39	0.57	0.08	0.08	0.13	0.68	0.81	1.68	1.76	1.61	0.71	9
1992	Critical	0.39	0.36	0.52	0.12	0.11	0.58	1.08	1.79	2.50	2.64	2.38	1.55	14
1993	Above Normal	0.76	0.60	0.66	0.19	1.25	2.49	2.83	3.53	4.35	4.50	3.90	2.92	28
1994	Critical	1.99	1.70	1.40	1.00	0.96	1.67	1.58	2.44	2.99	3.13	2.75	2.07	24
1995	Wet	1.14	0.90	0.79	0.15	1.45	2.25	2.84	3.54	4.37	4.52	3.92	2.93	29
1996	Wet	2.00	1.71	1.60	1.61	1.56	2.21	2.45	3.17	3.92	4.06	3.51	2.60	30
1997	Wet	1.76	1.50	1.22	1.41	1.57	1.88	1.95	2.45	3.04	3.15	2.71	2.01	25
1998	Wet	1.35	1.15	0.93	1.22	1.58	2.39	2.92	3.40	4.21	4.35	3.76	2.80	30
1999	Wet	1.89	1.82	1.52	1.61	1.41	2.39	2.53	3.16	3.91	4.05	3.50	2.60	30
2000	Above Normal	1.76	1.50	1.22	0.49	1.20	2.47	2.81	3.50	4.33	4.47	3.87	2.89	31
2001	Dry	1.97	1.68	1.37	0.22	0.27	0.78	1.31	2.47	2.97	3.15	2.80	2.14	21
2002	Dry	0.99	0.73	0.71	0.43	0.96	0.60	2.01	2.56	3.15	3.27	2.83	2.11	20
2003	Above Normal	1.40	1.19	0.98	0.87	1.16	1.28	2.42	3.65	4.51	4.66	4.04	3.02	29
Average		2	1	1	1	1	2	2	3	4	4	3	2	25
Wet		2	1	1	1	1	2	3	3	4	4	4	3	30
Above Normal		1	1	1	1	1	2	3	3	4	4	4	3	29
Below Normal		2	1	1	1	1	2	2	3	4	4	4	3	27
Dry		1	1	1	0	1	1	2	3	3	3	3	2	22
Critical		1	1	1	0	0	1	1	1	2	2	2	1	14

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Energy Use (GWh) At Pumping Plant at Badger Hill: CP4B_2020

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	1.87	1.36	1.32	0.45	1.01	2.49	2.83	3.53	4.35	4.50	3.90	2.91	31
1923	Below Normal	1.98	1.70	1.39	1.41	1.37	2.18	2.56	3.24	4.01	4.15	3.58	2.66	30
1924	Critical	1.80	1.53	1.25	0.14	0.13	0.22	0.41	0.48	1.03	1.08	0.99	0.42	9
1925	Dry	0.23	0.21	0.30	0.35	0.36	0.48	1.23	1.63	2.43	2.57	2.32	1.42	14
1926	Dry	0.70	0.56	0.66	0.23	0.64	1.32	1.77	3.04	3.76	3.88	3.36	2.51	22
1927	Wet	1.71	1.46	1.20	0.39	1.03	2.49	2.83	3.53	4.36	4.51	3.90	2.92	30
1928	Above Normal	1.99	1.70	1.39	0.71	1.09	1.54	2.27	2.83	3.50	3.62	3.13	2.33	26
1929	Critical	1.58	1.35	1.10	0.22	0.22	0.38	0.86	1.02	2.16	2.27	2.08	0.90	14
1930	Dry	0.49	0.44	0.64	0.18	0.63	0.81	1.52	2.85	3.43	3.63	3.23	2.46	20
1931	Critical	1.16	0.86	0.83	0.17	0.24	0.36	0.82	0.98	2.06	2.16	1.98	0.86	12
1932	Dry	0.47	0.42	0.62	0.22	0.60	0.69	0.96	1.41	2.33	2.46	2.23	1.23	14
1933	Critical	0.61	0.51	0.63	0.21	0.57	0.68	1.07	1.90	2.48	2.63	2.35	1.65	15
1934	Critical	0.78	0.59	0.61	0.23	0.48	0.50	1.15	2.17	2.61	2.76	2.46	1.88	16
1935	Below Normal	0.87	0.64	0.62	0.13	0.34	0.76	2.15	3.94	4.84	5.00	4.34	3.26	27
1936	Below Normal	2.24	1.93	1.59	0.09	0.24	2.38	2.80	3.48	4.28	4.42	3.84	2.88	30
1937	Below Normal	1.98	1.70	1.40	0.14	0.25	1.35	2.70	3.35	4.13	4.26	3.70	2.78	28
1938	Wet	1.90	1.64	1.35	1.20	1.37	2.39	2.92	3.40	4.21	4.35	3.76	2.80	31
1939	Dry	1.90	1.62	1.32	1.53	1.25	1.90	2.34	2.93	3.63	3.75	3.24	2.41	28
1940	Above Normal	1.62	1.39	1.13	0.09	0.25	2.46	2.95	3.67	4.51	4.67	4.05	3.04	30
1941	Wet	2.09	1.79	1.48	1.00	1.39	2.41	2.74	3.42	4.23	4.38	3.79	2.82	32
1942	Wet	1.91	1.63	1.33	1.30	1.57	2.38	2.71	3.39	4.20	4.34	3.75	2.79	31
1943	Wet	1.89	1.61	1.31	1.50	1.57	2.14	2.50	2.88	3.57	3.69	3.19	2.37	28
1944	Dry	1.59	1.36	1.10	0.40	0.63	1.94	2.60	3.24	4.00	4.13	3.58	2.68	27
1945	Below Normal	1.83	1.57	1.28	0.34	0.37	1.85	2.61	3.24	4.00	4.13	3.58	2.68	27
1946	Below Normal	1.83	1.57	1.29	1.35	1.37	1.97	2.52	3.15	3.90	4.04	3.49	2.59	29
1947	Dry	1.75	1.49	1.21	0.30	0.28	0.72	2.25	2.79	3.44	3.55	3.08	2.31	23
1948	Below Normal	1.58	1.35	1.11	0.10	0.14	0.20	0.99	3.28	4.03	4.16	3.62	2.72	23
1949	Dry	1.87	1.61	1.33	0.21	0.18	0.31	1.27	2.36	2.84	3.01	2.68	2.05	20
1950	Below Normal	0.96	0.71	0.69	0.12	0.28	0.88	2.55	3.17	3.90	4.03	3.50	2.63	23
1951	Above Normal	1.80	1.55	1.28	1.25	1.58	2.39	2.71	3.40	4.20	4.35	3.76	2.80	31
1952	Wet	1.89	1.62	1.31	1.41	1.37	2.38	2.90	3.38	4.18	4.33	3.74	2.78	31
1953	Wet	1.88	1.80	1.50	1.61	1.37	2.11	2.68	3.35	4.15	4.29	3.71	2.76	31
1954	Above Normal	1.87	1.59	1.30	1.07	1.19	1.98	2.78	3.47	4.29	4.43	3.84	2.86	31
1955	Dry	1.94	1.66	1.35	0.26	0.38	0.49	1.05	2.10	2.53	2.68	2.38	1.82	19
1956	Wet	0.84	0.62	0.59	1.25	1.58	2.39	2.71	3.39	4.20	4.35	3.76	2.80	28
1957	Above Normal	1.89	1.62	1.32	1.07	1.13	1.63	2.16	2.70	3.34	3.45	2.99	2.22	26
1958	Wet	1.50	1.28	1.04	1.23	1.48	2.31	2.96	3.44	4.26	4.41	3.81	2.84	31
1959	Below Normal	1.93	1.65	1.34	1.49	1.41	1.99	2.30	2.88	3.57	3.70	3.20	2.37	28
1960	Dry	1.60	1.37	1.11	0.10	0.12	0.47	1.81	2.85	3.45	3.62	3.20	2.43	22
1961	Dry	1.34	1.06	0.95	0.25	0.51	0.74	1.72	2.82	3.41	3.59	3.18	2.41	22
1962	Below Normal	1.27	0.99	0.90	0.12	0.13	1.09	2.71	3.36	4.13	4.27	3.71	2.79	25
1963	Wet	1.91	1.65	1.36	1.03	1.26	1.81	2.58	3.52	4.35	4.50	3.89	2.90	31
1964	Dry	1.97	1.68	1.38	0.56	1.20	1.33	1.84	2.43	3.00	3.12	2.71	2.02	23
1965	Wet	1.29	1.08	0.90	1.21	1.55	1.78	2.26	2.58	3.20	3.31	2.86	2.12	24
1966	Below Normal	1.43	1.21	0.99	1.61	1.57	2.38	2.62	3.28	4.06	4.20	3.63	2.70	30
1967	Wet	1.82	1.55	1.26	0.63	1.61	2.44	2.77	3.46	4.28	4.43	3.83	2.86	31
1968	Below Normal	1.94	1.86	1.55	1.60	1.57	2.06	2.38	2.98	3.69	3.82	3.30	2.45	29
1969	Wet	1.65	1.41	1.14	0.60	1.61	2.44	2.98	3.58	4.28	4.43	3.83	2.86	31
1970	Wet	1.94	1.66	1.55	1.59	1.57	2.12	2.69	3.37	4.17	4.32	3.73	2.77	31
1971	Wet	1.88	1.60	1.30	1.32	1.37	1.83	2.75	3.43	4.25	4.40	3.80	2.83	31
1972	Below Normal	1.91	1.63	1.33	0.61	1.02	1.45	1.49	2.56	3.11	3.28	2.90	2.20	24
1973	Above Normal	1.10	0.84	0.77	1.26	1.48	2.40	2.58	3.22	3.99	4.13	3.57	2.66	28
1974	Wet	1.80	1.54	1.25	1.41	1.57	2.36	2.70	3.38	4.19	4.33	3.74	2.78	31
1975	Wet	1.88	1.60	1.31	1.28	1.44	2.23	2.74	3.43	4.24	4.39	3.80	2.83	31
1976	Critical	1.91	1.64	1.33	1.19	1.08	1.66	1.95	2.44	3.03	3.13	2.71	2.01	24
1977	Critical	1.35	1.15	0.94	0.10	0.10	0.15	0.29	0.35	0.75	0.78	0.72	0.31	7
1978	Above Normal	0.16	0.15	0.22	0.30	0.94	2.10	3.14	3.65	4.50	4.65	4.03	3.03	27
1979	Below Normal	2.07	1.78	1.46	0.46	1.02	1.84	2.52	3.15	3.89	4.02	3.48	2.60	28
1980	Above Normal	1.77	1.51	1.24	0.99	1.07	2.15	2.61	3.01	3.72	3.85	3.33	2.48	28
1981	Dry	1.68	1.44	1.17	1.20	1.25	2.10	2.40	3.00	3.71	3.84	3.32	2.47	28
1982	Wet	1.67	1.42	1.16	1.41	1.37	2.38	2.70	3.38	4.18	4.33	3.74	2.78	31
1983	Wet	1.88	1.60	1.50	1.61	1.57	2.38	2.90	3.58	4.38	4.53	3.74	2.78	32
1984	Wet	2.08	1.80	1.50	1.61	1.57	2.38	2.70	3.38	4.18	4.33	3.74	2.78	32
1985	Dry	1.88	1.60	1.30	1.07	1.01	1.66	2.47	3.08	3.81	3.94	3.41	2.54	28
1986	Wet	1.73	1.48	1.20	0.12	0.23	2.35	2.34	2.66	3.28	3.39	2.94	2.21	24
1987	Dry	1.51	1.30	1.06	0.97	1.02	1.53	2.11	2.64	3.26	3.37	2.92	2.17	24
1988	Critical	1.47	1.26	1.02	0.20	0.37	0.38	0.72	0.86	1.83	1.92	1.76	0.75	13
1989	Dry	0.40	0.36	0.53	0.23	0.28	0.61	2.77	3.44	4.23	4.38	3.80	2.85	24
1990	Critical	1.96	1.68	1.39	0.10	0.15	0.32	0.76	0.90	1.89	1.98	1.82	0.79	14
1991	Critical	0.44	0.40	0.58	0.09	0.08	0.13	0.71	0.85	1.76	1.84	1.69	0.74	9
1992	Critical	0.41	0.38	0.55	0.11	0.11	0.38	1.11	1.92	2.53	2.68	2.40	1.66	14
1993	Above Normal	0.80	0.62	0.65	0.18	1.24	2.49	2.83	3.53	4.36	4.51	3.90	2.92	28
1994	Critical	1.99	1.71	1.40	1.00	0.96	1.67	1.58	2.44	2.99	3.13	2.75	2.07	24
1995	Wet	1.14	0.90	0.79	0.15	1.45	2.25	2.84	3.54	4.37	4.52	3.91	2.93	29
1996	Wet	1.99	1.71	1.60	1.61	1.56	2.21	2.45	3.17	3.92	4.06	3.51	2.60	30
1997	Wet	1.76	1.50	1.22	1.41	1.57	1.88	1.95	2.45	3.04	3.15	2.71	2.01	25
1998	Wet	1.35	1.15	0.93	1.22	1.58	2.39	2.92	3.40	4.21	4.35	3.76	2.80	30
1999	Wet	1.89	1.82	1.52	1.61	1.41	2.39	2.53	3.16	3.91	4.05	3.50	2.60	30
2000	Above Normal	1.76	1.50	1.22	0.49	1.20	2.47	2.81	3.50	4.33	4.47	3.87	2.89	31
2001	Dry	1.97	1.68	1.37	0.22	0.27	0.78	1.31	2.47	2.97	3.15	2.81	2.14	21
2002	Dry	0.99	0.73	0.71	0.43	0.96	0.60	2.01	2.56	3.15	3.26	2.83	2.11	20
2003	Above Normal	1.40	1.19	0.98	0.87	1.16	1.28	2.42	3.65	4.51	4.66	4.04	3.01	29
Average		2	1	1	1	1	2	2	3	4	4	3	2	25
Wet		2	1	1	1	1	2	3	3	4	4	4	3	30
Above Normal		2	1	1	1	1	2	3	3	4	4	4	3	29
Below Normal		2	1	1	1	1	2	2	3	4	4	4	3	27
Dry		1	1	1	0	1	1	2	3	3	3	3	2	22
Critical		1	1	1	0	0	1	1	1	2	2	2	1	14

Difference in Energy Use (GWh) At Pumping Plant at Badger Hill: CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1927	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1928	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1932	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1935	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1940	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1945	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1946	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1947	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1948	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1949	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1951	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1957	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1961	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Norm	0	0	0	0	0	-1	0	0	0	0	0	0	0
1963	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1965	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1966	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1968	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norm		0	0	0	0	0	0	0	0	0	0	0	0	0
Below Norm		0	0	0	0	0	0	0	0	0	0	0	0	0
Dry		0	0	0	0	0	0	0	0	0	0	0	0	0
Critical		0	0	0	0	0	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at Badger Hill: CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1923	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1924	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1925	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1926	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1927	Wet	0%	0%	0%	0%	-16%	0%	0%	0%	0%	0%	0%	0%
1928	Above Norm	0%	0%	0%	-3%	0%	0%	1%	1%	1%	1%	1%	1%
1929	Critical	1%	1%	1%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1930	Dry	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1931	Critical	0%	0%	0%	-1%	2%	-1%	-1%	-1%	-1%	-1%	-1%	-1%
1932	Dry	-2%	-2%	-2%	1%	-1%	-2%	-4%	-10%	-2%	-2%	-2%	-10%
1933	Critical	-8%	-5%	1%	3%	1%	-2%	-3%	-9%	-2%	-2%	-1%	-8%
1934	Critical	-7%	-4%	2%	0%	0%	0%	-1%	0%	0%	0%	0%	0%
1935	Below Norm	-1%	-1%	-1%	0%	0%	0%	-1%	-1%	-1%	-1%	-1%	-1%
1936	Below Norm	-1%	-1%	-1%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%
1937	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1938	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%	1%
1940	Above Norm	1%	1%	1%	4%	7%	2%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	29%	-1%	8%	-1%	-1%	-1%	-1%	-1%	-1%
1942	Wet	-1%	-1%	-1%	2%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1944	Dry	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%
1945	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1946	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1947	Dry	0%	0%	0%	4%	3%	41%	2%	2%	2%	2%	2%	2%
1948	Below Norm	2%	2%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1949	Dry	0%	0%	0%	0%	-7%	6%	2%	2%	2%	2%	2%	2%
1950	Below Norm	2%	2%	2%	1%	2%	1%	0%	0%	0%	0%	0%	0%
1951	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	0%	0%	-6%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1955	Dry	0%	0%	0%	0%	0%	0%	4%	10%	2%	2%	2%	10%
1956	Wet	8%	5%	-2%	-1%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1958	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1960	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1961	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1962	Below Norm	0%	0%	0%	-15%	-14%	-35%	-3%	-3%	-3%	-3%	-3%	-3%
1963	Wet	-3%	-3%	-3%	-4%	-2%	3%	2%	0%	0%	0%	0%	0%
1964	Dry	0%	0%	0%	18%	2%	17%	3%	-3%	-3%	-3%	-3%	-4%
1965	Wet	2%	3%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1966	Below Norm	0%	0%	0%	17%	0%	0%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	0%	7%	0%	0%	0%	-6%	0%	0%	0%	0%
1968	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1969	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1972	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1973	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1977	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1978	Above Norm	0%	0%	0%	0%	0%	0%	0%	-5%	0%	0%	0%	0%
1979	Below Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1980	Above Norm	0%	0%	0%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1982	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	-1%	-1%	-1%	-1%	-1%	-1%
1986	Wet	-1%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1987	Dry	0%	0%	0%	1%	1%	1%	1%	1%	1%	1%	1%	1%
1988	Critical	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1989	Dry	0%	0%	0%	-1%	-1%	-1%	0%	0%	0%	0%	0%	0%
1990	Critical	0%	0%	0%	3%	10%	10%	2%	2%	2%	2%	2%	2%
1991	Critical	1%	1%	1%	2%	2%	2%	5%	5%	5%	5%	5%	5%
1992	Critical	5%	5%	5%	-1%	-1%	-35%	3%	7%	1%	2%	1%	7%
1993	Above Norm	6%	3%	-2%	-5%	-1%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1995	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1998	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2001	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2002	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2003	Above Norm	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%
Average		0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%
Wet		0%	0%	0%	1%	-1%	0%	0%	0%	0%	0%	0%	0%
Above Norm		1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Below Norm		0%	0%	0%	0%	-1%	-3%	0%	0%	0%	0%	0%	0%
Dry		0%	0%	0%	1%	0%	3%	0%	0%	0%	0%	0%	0%
Critical		-1%	0%	1%	0%	1%	-2%	0%	0%	0%	0%	0%	0%

Energy Use (GWh) At Pumping Plant at Buena Vista: CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	59.92	52.24	39.54	1.79	35.28	58.15	54.59	58.78	57.92	59.82	59.42	56.16	594
1923	Below Normal	52.26	47.88	47.05	51.12	49.59	57.75	58.03	60.42	57.81	61.78	58.68	50.01	652
1924	Critical	45.60	41.53	40.74	27.53	24.71	12.30	15.58	18.53	18.98	17.70	14.98	13.56	292
1925	Dry	6.08	3.96	3.44	22.92	36.50	3.13	29.54	34.90	38.10	36.66	35.68	32.94	284
1926	Dry	20.11	15.52	11.05	6.49	43.34	24.67	38.89	51.88	52.21	53.72	53.45	50.65	422
1927	Wet	46.84	43.02	42.14	25.11	49.52	58.15	57.11	58.69	57.92	59.74	59.35	56.11	614
1928	Above Normal	52.19	47.78	46.94	42.92	51.29	56.23	48.94	46.62	45.81	47.27	46.92	44.31	577
1929	Critical	40.51	36.94	36.13	26.91	23.82	12.57	28.05	35.69	37.62	34.76	29.28	26.61	369
1930	Dry	13.28	8.00	6.85	2.74	13.63	44.32	31.60	45.61	48.29	48.55	52.37	49.01	364
1931	Critical	35.54	31.75	23.00	9.12	8.49	6.81	27.62	34.79	36.56	33.86	28.46	25.83	302
1932	Dry	12.79	7.77	6.65	2.72	43.21	22.57	23.96	35.49	37.42	35.95	34.86	32.21	296
1933	Critical	19.48	14.82	10.61	5.97	16.57	35.36	23.32	34.42	36.18	36.51	39.23	36.62	309
1934	Critical	25.63	22.56	15.75	7.53	16.76	6.86	24.31	35.63	37.33	37.68	40.66	38.02	309
1935	Below Normal	26.72	23.73	16.64	6.76	7.81	47.92	43.81	61.38	58.01	62.79	62.38	58.88	477
1936	Below Normal	59.98	41.46	39.28	3.25	3.87	57.64	54.94	59.28	57.82	60.10	59.59	56.41	554
1937	Below Normal	53.61	46.52	30.05	3.68	3.92	44.81	53.81	57.18	57.34	59.23	58.79	55.65	525
1938	Wet	52.02	47.91	47.05	50.41	49.59	58.01	58.57	54.74	54.16	55.76	55.31	52.25	636
1939	Dry	48.33	44.09	46.41	51.12	46.94	47.10	45.74	46.57	45.94	47.35	46.95	44.29	561
1940	Above Normal	40.49	36.82	36.06	15.21	14.57	58.04	58.47	60.80	57.95	62.02	61.73	58.69	581
1941	Wet	57.07	53.23	52.65	44.92	49.59	57.82	58.41	60.78	57.91	62.20	61.70	57.70	674
1942	Wet	52.97	45.35	44.55	51.12	49.59	58.00	53.16	54.50	53.90	55.59	55.14	52.05	626
1943	Wet	48.17	43.93	43.12	51.12	49.59	57.67	44.24	44.95	45.36	46.93	46.50	43.92	566
1944	Dry	40.12	36.44	35.68	27.20	35.48	55.70	55.45	55.73	54.73	56.56	56.25	53.25	563
1945	Below Normal	49.37	45.26	44.43	28.68	31.88	51.18	54.97	56.00	55.13	56.90	56.55	53.55	584
1946	Below Normal	49.65	45.56	44.71	51.12	49.59	57.46	57.92	60.24	56.84	51.33	50.91	48.05	623
1947	Dry	44.17	40.25	39.46	30.57	27.55	23.27	43.81	48.99	47.90	49.41	49.19	46.65	491
1948	Below Normal	42.88	39.41	38.57	15.21	14.02	8.24	29.27	56.81	55.80	57.54	57.31	54.35	469
1949	Dry	50.44	46.45	45.54	25.67	22.70	11.81	29.96	37.73	39.80	39.97	43.05	40.35	433
1950	Below Normal	28.47	25.40	17.89	6.86	7.15	30.79	50.23	55.69	54.57	56.41	56.14	53.19	443
1951	Above Normal	49.38	45.47	44.64	50.20	49.59	58.01	53.29	54.62	53.99	55.60	55.17	52.13	622
1952	Wet	48.19	43.97	43.17	51.12	51.35	57.99	58.53	54.26	53.42	55.25	54.80	51.77	624
1953	Wet	50.56	48.22	55.29	51.12	44.56	57.63	48.71	53.86	53.14	54.96	54.46	51.48	624
1954	Above Normal	47.58	43.40	42.61	50.23	49.56	57.47	58.42	60.79	57.93	61.39	59.20	53.79	642
1955	Dry	49.87	45.57	44.76	32.97	30.74	18.30	27.97	34.83	36.57	36.23	37.74	35.10	431
1956	Wet	23.41	19.79	13.88	35.63	51.36	57.92	48.88	54.35	53.69	55.32	54.87	51.86	521
1957	Above Normal	47.95	43.80	43.02	50.36	49.55	57.01	55.53	43.80	43.25	44.51	44.11	41.65	565
1958	Wet	37.88	34.43	33.66	51.12	49.57	57.89	53.33	54.58	55.03	56.76	56.39	53.26	594
1959	Below Normal	49.39	45.05	49.99	51.12	49.56	39.97	45.71	46.44	45.90	47.31	46.86	44.20	561
1960	Dry	40.47	36.75	35.99	27.39	24.80	14.85	40.19	47.32	48.99	49.62	52.23	49.08	468
1961	Dry	38.56	34.70	28.76	15.09	22.70	34.67	34.67	46.37	48.28	48.84	51.77	48.55	453
1962	Below Normal	37.43	33.57	27.04	12.93	11.68	45.88	57.80	59.20	57.80	60.01	59.53	56.39	519
1963	Wet	53.69	49.40	48.05	49.71	49.57	57.16	57.93	60.88	57.97	59.91	58.72	54.72	658
1964	Dry	50.78	46.42	45.58	31.35	51.31	50.88	37.92	41.13	41.33	42.43	43.29	40.68	523
1965	Wet	34.28	30.80	27.81	47.01	49.59	45.69	39.70	40.16	40.61	42.02	41.65	39.22	479
1966	Below Normal	35.59	32.19	31.41	50.81	49.59	58.00	51.52	52.68	52.03	53.58	53.20	50.19	571
1967	Wet	46.34	42.21	41.41	35.44	49.59	58.09	56.37	55.71	56.15	57.98	57.59	54.44	611
1968	Below Normal	50.47	53.36	55.39	51.12	51.35	57.57	42.71	47.76	47.24	48.63	48.15	45.46	599
1969	Wet	41.65	37.87	37.10	33.23	49.59	58.09	58.46	55.74	56.17	57.94	57.54	54.41	598
1970	Wet	50.39	46.08	55.38	51.12	49.59	57.65	48.71	54.29	53.68	55.29	54.83	51.77	629
1971	Wet	47.88	43.66	42.87	51.12	49.59	57.27	58.36	60.73	57.93	62.16	54.74	58.07	644
1972	Below Normal	53.76	45.46	44.21	37.25	51.28	54.33	33.22	39.48	41.14	41.64	43.85	40.96	527
1973	Above Normal	30.47	27.06	20.61	51.13	49.57	57.97	46.74	52.14	51.55	52.99	52.57	49.64	542
1974	Wet	45.78	41.70	40.92	51.12	49.59	57.97	52.97	54.32	53.78	55.31	54.87	51.86	610
1975	Wet	47.94	43.67	42.87	51.12	49.57	57.79	53.60	55.48	54.89	56.46	56.03	52.98	622
1976	Critical	49.01	44.75	43.95	51.12	51.30	57.04	50.69	39.67	38.98	40.19	39.76	37.52	544
1977	Critical	33.89	30.64	29.90	23.63	21.32	10.76	12.45	14.08	14.41	13.42	11.40	10.27	226
1978	Above Normal	4.64	2.93	2.64	18.70	44.49	57.63	56.58	59.41	57.95	61.50	61.12	58.01	486
1979	Below Normal	56.25	52.18	50.88	16.86	48.24	50.64	51.43	52.76	52.04	53.54	53.17	50.33	588
1980	Above Normal	46.45	42.42	41.64	48.71	51.29	57.69	51.02	47.70	48.15	49.79	49.39	46.64	581
1981	Dry	42.86	39.00	38.22	50.33	49.57	57.61	47.45	48.45	47.98	49.28	48.87	46.14	566
1982	Wet	42.27	38.49	37.73	51.12	49.59	57.99	58.29	54.32	53.65	55.29	54.83	51.76	605
1983	Wet	47.88	43.63	55.29	51.12	49.59	57.99	51.80	54.95	55.49	57.12	54.81	51.79	631
1984	Wet	52.48	48.22	55.29	51.12	51.35	57.99	48.64	54.24	53.50	55.26	54.81	51.79	635
1985	Dry	47.80	43.63	42.84	50.34	49.52	57.05	57.88	52.19	50.47	45.37	44.17	52.07	593
1986	Wet	48.37	44.36	43.65	28.66	29.73	57.96	44.58	44.67	45.03	46.44	46.20	43.62	523
1987	Dry	39.87	36.45	35.62	45.88	49.24	48.17	42.27	42.94	42.21	43.45	43.16	40.74	510
1988	Critical	37.08	33.64	32.86	25.46	24.40	12.18	24.69	30.85	32.38	30.02	25.24	22.98	332
1989	Dry	11.14	6.84	5.81	2.54	3.46	13.05	54.59	59.62	57.70	60.50	60.13	57.14	393
1990	Critical	55.34	51.34	49.77	3.68	3.72	4.90	24.92	31.06	32.65	30.20	25.41	23.09	336
1991	Critical	11.21	6.91	5.91	2.27	2.33	2.74	22.39	27.87	29.19	27.09	22.80	20.75	181
1992	Critical	9.82	6.18	5.34	2.11	2.30	10.05	24.77	36.41	38.23	37.23	37.34	34.59	244
1993	Above Normal	22.03	17.79	12.55	6.42	45.79	58.26	53.45	57.69	56.91	58.64	58.28	55.14	503
1994	Critical	51.20	46.87	46.05	44.97	48.68	47.72	32.96	37.56	38.44	39.25	40.56	37.93	512
1995	Wet	29.73	26.43	21.89	15.65	49.60	58.51	56.74	56.45	56.86	58.68	58.33	55.17	544
1996	Wet	51.23	46.91	55.35	51.12	51.35	57.77	45.21	49.66	50.18	51.74	51.32	48.42	610
1997	Wet	44.56	40.59	39.82	51.12	49.59	57.32	38.55	39.17	38.42	39.68	39.30	37.05	515
1998	Wet	33.35	30.15	29.40	49.22	49.59	58.01	54.63	53.33	53.83	55.68	55.29	52.19	575
1999	Wet	48.25	51.30	55.30	51.12	49.57	58.01	45.46	50.74	50.02	51.77	51.38	48.48	611
2000	Above Normal	44.60	40.65	39.84	30.17	51.31	58.13	56.40	57.93	57.12	59.07	58.72	55.51	609
2001	Dry	51.50	47.17	46.32	32.61	29.22	43.26	27.16	39.71	41.80	42.26	45.67	42.72	489
2002	Dry	30.33	27.06	19.12	7.00	37.14	12.53	42.51	43.83	43.06	44.61	44.63	42.15	394
2003	Above Normal	37.85	34.55	33.30	39.32	49.55	43.01	48.71	59.84	57.99	36.80	33.30</		

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Energy Use (GWh) At Pumping Plant at Buena Vista: CP4B_2020

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	59.92	52.24	39.54	1.79	35.28	58.15	54.59	58.78	57.92	59.82	59.42	56.16	594
1923	Below Normal	52.26	47.88	47.05	51.12	49.59	57.75	58.03	60.42	57.81	61.78	58.68	50.01	652
1924	Critical	45.60	41.53	40.74	27.53	24.71	12.30	15.58	18.53	18.98	17.70	14.98	13.56	292
1925	Dry	6.08	3.96	3.44	24.36	36.75	3.13	29.54	34.90	38.10	36.66	35.68	32.94	286
1926	Dry	20.11	15.52	11.05	6.49	43.09	26.84	36.84	51.85	52.19	53.70	53.43	50.63	422
1927	Wet	46.82	43.00	42.12	25.11	49.52	58.15	57.11	58.70	57.92	59.75	59.35	56.11	614
1928	Above Normal	52.19	47.78	46.94	41.98	51.29	56.25	49.33	46.97	46.16	47.63	47.28	44.66	578
1929	Critical	40.85	37.26	36.45	27.02	23.92	12.62	28.17	35.85	37.79	34.92	29.41	26.73	371
1930	Dry	13.35	8.04	6.88	2.75	16.35	44.08	31.62	45.60	48.28	48.55	52.36	49.00	367
1931	Critical	35.53	31.75	23.01	9.12	8.53	6.81	27.30	34.36	36.08	33.43	28.10	25.50	300
1932	Dry	12.59	7.66	6.56	7.35	40.61	21.70	24.16	35.78	37.76	35.79	33.44	30.79	294
1933	Critical	17.67	12.56	9.71	5.00	25.58	34.99	23.73	34.99	36.82	36.56	37.92	35.24	311
1934	Critical	23.55	19.86	13.89	7.15	18.02	6.73	24.20	35.48	37.17	37.52	40.48	37.85	302
1935	Below Normal	26.59	23.61	16.55	6.74	7.81	47.69	43.58	61.37	57.99	62.78	62.36	58.88	476
1936	Below Normal	59.97	41.66	38.93	3.25	3.86	57.64	54.75	59.22	57.82	60.01	59.49	56.31	553
1937	Below Normal	53.33	47.08	31.44	3.67	3.92	45.10	53.75	57.11	57.28	59.16	58.76	55.62	526
1938	Wet	51.94	47.84	46.97	50.40	49.59	58.01	58.57	54.73	54.16	55.76	55.30	52.25	636
1939	Dry	48.32	44.08	46.49	51.12	46.87	48.38	42.16	47.15	46.52	47.94	47.54	44.85	561
1940	Above Normal	41.04	37.33	36.58	15.02	14.45	58.10	58.68	60.75	57.95	61.95	61.66	58.62	562
1941	Wet	56.97	53.11	52.45	49.80	49.59	58.03	58.35	60.72	57.91	61.89	58.80	52.65	670
1942	Wet	48.73	44.49	43.70	51.12	49.59	58.00	53.10	54.43	53.83	55.52	55.07	51.99	620
1943	Wet	48.11	43.86	43.06	51.12	49.59	57.67	44.24	44.95	45.36	46.92	46.50	43.91	565
1944	Dry	40.12	36.43	35.68	27.20	35.75	55.69	55.40	55.70	54.70	56.54	56.22	53.23	563
1945	Below Normal	49.34	45.24	44.40	28.66	31.96	51.13	55.07	56.06	55.19	56.96	56.61	53.61	584
1946	Below Normal	49.71	45.62	44.77	51.12	49.59	57.47	57.93	60.26	57.54	51.49	51.07	48.20	625
1947	Dry	44.32	40.39	39.60	30.42	27.73	27.93	44.56	49.78	48.69	50.22	50.00	47.41	501
1948	Below Normal	43.64	40.12	39.28	14.50	13.38	8.01	29.27	56.79	55.78	57.52	57.29	54.34	470
1949	Dry	50.42	46.44	45.53	25.97	22.91	11.98	30.49	38.43	40.57	40.74	43.88	41.13	438
1950	Below Normal	29.08	25.96	18.31	6.96	7.29	26.58	50.37	55.84	54.72	56.56	56.30	53.34	441
1951	Above Normal	49.53	45.61	44.78	50.22	49.59	58.01	53.29	54.62	53.99	55.60	55.17	52.13	623
1952	Wet	48.19	43.97	43.17	51.12	51.35	57.99	58.53	54.26	53.42	55.25	54.80	51.77	624
1953	Wet	50.56	48.22	55.29	51.12	44.56	57.63	48.47	53.86	53.14	54.96	54.46	51.48	624
1954	Above Normal	47.58	43.40	42.61	50.23	49.56	57.47	58.42	60.79	57.93	61.34	59.05	53.78	642
1955	Dry	49.87	45.57	44.75	32.98	30.75	18.42	27.71	34.31	35.97	36.26	39.21	36.66	432
1956	Wet	25.68	22.73	15.90	35.65	51.36	57.91	48.87	54.34	53.67	55.31	54.86	51.85	528
1957	Above Normal	47.94	43.80	43.03	50.36	49.55	57.01	55.55	43.81	43.26	44.51	44.12	41.65	565
1958	Wet	37.89	34.44	33.67	51.12	49.57	57.89	53.34	54.58	55.03	56.77	56.40	53.27	594
1959	Below Normal	49.39	45.05	49.91	51.12	49.56	39.97	45.71	46.44	45.90	47.31	46.86	44.20	561
1960	Dry	40.47	36.75	35.99	27.39	24.80	14.87	40.25	47.32	48.98	49.61	52.20	49.06	468
1961	Dry	38.59	34.74	28.84	15.18	23.42	35.68	34.65	46.37	48.28	48.84	51.77	48.55	455
1962	Below Normal	37.42	33.56	27.02	12.71	11.57	28.51	53.00	58.54	57.57	59.31	58.82	55.73	494
1963	Wet	52.37	48.29	47.42	48.86	49.57	57.24	58.04	60.85	57.96	58.24	57.77	54.62	651
1964	Dry	50.68	46.33	45.49	35.00	51.31	54.75	40.44	40.14	39.88	41.08	41.34	38.90	525
1965	Wet	33.89	30.55	28.66	47.97	49.59	45.70	39.72	40.18	40.62	42.03	41.66	39.23	480
1966	Below Normal	35.60	32.21	31.43	51.12	49.59	57.99	47.48	52.59	51.95	53.49	53.11	50.11	567
1967	Wet	46.25	42.13	41.34	37.18	49.59	58.09	56.21	55.55	55.99	57.81	57.42	54.27	612
1968	Below Normal	50.31	53.21	55.38	51.12	51.35	57.57	42.71	47.76	47.24	48.63	48.15	45.46	599
1969	Wet	41.65	37.87	37.10	33.32	49.59	58.09	58.45	55.73	56.16	57.93	57.53	54.40	598
1970	Wet	50.38	46.07	55.38	51.12	49.59	57.65	48.71	54.29	53.68	55.29	54.83	51.77	629
1971	Wet	47.88	43.66	42.87	51.12	49.59	57.27	58.36	60.73	57.93	62.16	54.74	58.07	644
1972	Below Normal	53.77	45.46	44.21	37.26	51.28	54.84	32.68	39.47	41.15	41.64	43.86	40.97	527
1973	Above Normal	30.44	27.02	20.54	51.13	49.57	57.97	46.75	52.15	51.55	53.00	52.58	49.64	542
1974	Wet	45.79	41.71	40.93	51.12	49.59	57.97	52.97	54.32	53.78	55.31	54.87	51.86	610
1975	Wet	47.94	43.67	42.87	51.12	49.57	57.79	53.60	55.48	54.89	56.46	56.03	52.98	622
1976	Critical	49.01	44.75	43.95	51.12	51.30	57.04	50.70	39.68	38.99	40.20	39.78	37.54	544
1977	Critical	33.90	30.65	29.91	23.63	21.32	10.76	12.44	14.08	14.41	13.42	11.40	10.27	226
1978	Above Normal	4.64	2.93	2.64	18.68	44.36	57.62	56.58	59.17	57.95	61.51	61.12	58.02	485
1979	Below Normal	56.25	52.18	50.89	16.92	48.26	50.70	51.43	52.76	52.04	53.54	53.17	50.33	588
1980	Above Normal	46.44	42.42	41.64	48.66	51.29	57.68	50.95	47.75	48.20	49.84	49.44	46.69	581
1981	Dry	42.91	39.05	38.27	50.32	49.57	57.61	47.45	48.45	47.98	49.29	48.87	46.14	566
1982	Wet	42.28	38.49	37.73	51.12	49.59	57.99	58.29	54.32	53.65	55.29	54.83	51.76	605
1983	Wet	47.88	43.63	55.29	51.12	49.59	57.99	51.80	54.95	55.49	57.12	54.81	51.79	631
1984	Wet	52.48	48.22	55.29	51.12	51.35	57.99	48.64	54.24	53.50	55.26	54.81	51.79	635
1985	Dry	47.80	43.63	42.84	50.34	49.52	57.05	57.82	50.99	49.82	45.95	41.40	51.65	589
1986	Wet	47.96	43.99	43.29	28.37	28.48	57.96	45.54	44.67	45.03	46.44	46.20	43.61	522
1987	Dry	39.87	36.45	35.62	46.33	49.36	48.61	42.50	43.19	42.46	43.71	43.42	40.98	513
1988	Critical	37.31	33.86	33.08	25.63	24.55	12.24	24.69	30.85	32.38	30.02	25.24	22.98	333
1989	Dry	11.14	6.84	5.81	2.53	3.42	10.48	54.59	59.63	57.70	60.51	60.14	57.15	390
1990	Critical	55.35	51.35	44.93	3.30	3.43	4.89	25.31	31.59	33.23	30.73	25.85	23.50	333
1991	Critical	11.44	7.04	6.01	2.31	2.37	2.81	23.28	29.06	30.49	28.27	23.79	21.66	189
1992	Critical	10.36	6.46	5.57	2.19	2.37	4.05	28.68	36.11	37.88	37.32	38.42	35.72	245
1993	Above Normal	23.58	19.78	13.93	6.60	45.61	58.27	53.58	57.71	56.92	58.65	58.29	55.15	508
1994	Critical	51.22	46.90	46.08	44.96	48.68	47.71	32.96	37.56	38.45	39.25	40.57	37.94	512
1995	Wet	29.73	26.43	21.88	15.64	49.60	58.00	57.20	56.44	56.85	58.67	58.32	55.16	544
1996	Wet	51.23	46.90	55.35	51.12	51.35	57.77	45.21	49.66	50.18	51.74	51.32	48.42	610
1997	Wet	44.56	40.59	39.82	51.12	49.59	57.32	38.55	39.17	38.42	39.68	39.30	37.05	515
1998	Wet	33.35	30.15	29.40	49.24	49.59	58.01	54.63	53.33	53.83	55.68	55.28	52.19	575
1999	Wet	48.25	51.29	55.30	51.12	49.57	58.01	45.46	50.74	50.02	51.77	51.38	48.48	611
2000	Above Normal	44.60	40.65	39.84	30.17	51.31	58.13	56.40	57.93	57.12	59.07	58.72	55.51	609
2001	Dry	51.50	47.17	46.32	32.61	29.22	43.26	27.16	39.72	41.81	42.27	45.68	42.73	489
2002	Dry	30.33	27.06	19.13	7.01	37.18	12.53	42.52	43.83	43.05	44.61	44.61	42.14	394
2003	Above Normal	37.85	34.55	33.32	39.54	49.55	43.12	48.68	59.83	57.99	36.81			

Difference in Energy Use (GWh) At Pumping Plant at Buena Vista: CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	1	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	0	0	0	2	-2	0	0	0	0	0	0
1927	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	-1	0	0	0	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	0	3	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1932	Dry	0	0	0	5	-3	-1	0	0	0	0	-1	-1	0
1933	Critical	-2	-2	-1	-1	9	0	0	1	1	0	-1	-1	0
1934	Critical	-2	-3	-2	0	1	0	0	0	0	0	0	0	-1
1935	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	1	1	0	0	0	0	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	1	-4	1	1	1	1	1	0
1940	Above Norma	1	1	1	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	5	0	0	0	0	0	0	-3	-5	0
1942	Wet	-4	-1	-1	0	0	0	0	0	0	0	0	0	-1
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1945	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1946	Below Norma	0	0	0	0	0	0	0	1	0	0	0	0	0
1947	Dry	0	0	0	0	0	5	1	1	1	1	1	1	1
1948	Below Norma	1	1	1	-1	-1	0	0	0	0	0	0	0	0
1949	Dry	0	0	0	0	0	0	1	1	1	1	1	1	0
1950	Below Norma	1	1	0	0	0	-4	0	0	0	0	0	0	0
1951	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	-1	-1	0	1	2	0
1956	Wet	2	3	2	0	0	0	0	0	0	0	0	0	1
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1961	Dry	0	0	0	0	1	1	0	0	0	0	0	0	0
1962	Below Norma	0	0	0	0	0	-17	-5	-1	0	-1	-1	-1	-2
1963	Wet	-1	-1	-1	-1	0	0	0	0	0	-2	-1	0	-1
1964	Dry	0	0	0	4	0	4	3	-1	-1	-1	-2	-2	0
1965	Wet	0	0	1	1	0	0	0	0	0	0	0	0	0
1966	Below Norma	0	0	0	0	0	0	-4	0	0	0	0	0	0
1967	Wet	0	0	0	2	0	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	1	-1	0	0	0	0	0	0
1973	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	-1	-1	1	-3	0	0
1986	Wet	0	0	0	0	-1	0	1	0	0	0	0	0	0
1987	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	Dry	0	0	0	0	0	-3	0	0	0	0	0	0	0
1990	Critical	0	0	-5	0	0	0	0	1	1	1	0	0	0
1991	Critical	0	0	0	0	0	0	1	1	1	1	1	1	1
1992	Critical	1	0	0	0	0	-6	4	0	0	0	1	1	0
1993	Above Norma	2	2	1	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	0	0	0	0	0	-1	0	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Below Norma		0	0	0	0	0	-2	-1	0	0	0	0	0	0
Dry		0	0	0	1	0	1	0	0	0	0	0	0	0
Critical		0	0	-1	0	1	-1	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at Buena Vista: CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1923	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1924	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1925	Dry	0%	0%	0%	6%	1%	0%	0%	0%	0%	0%	0%	0%
1926	Dry	0%	0%	0%	0%	-1%	9%	-5%	0%	0%	0%	0%	0%
1927	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1928	Above Norma	0%	0%	0%	-2%	0%	0%	1%	1%	1%	1%	1%	1%
1929	Critical	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1930	Dry	1%	0%	0%	1%	20%	-1%	0%	0%	0%	0%	0%	0%
1931	Critical	0%	0%	0%	0%	0%	0%	-1%	-1%	-1%	-1%	-1%	-1%
1932	Dry	-2%	-1%	-1%	170%	-6%	-4%	1%	1%	1%	0%	-4%	-4%
1933	Critical	-9%	-15%	-8%	-16%	54%	-1%	2%	2%	2%	0%	-3%	-4%
1934	Critical	-8%	-12%	-12%	-5%	8%	-2%	0%	0%	0%	0%	0%	0%
1935	Below Norma	0%	0%	-1%	0%	0%	0%	-1%	0%	0%	0%	0%	0%
1936	Below Norma	0%	0%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1937	Below Norma	-1%	1%	5%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1938	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	0%	3%	-8%	1%	1%	1%	1%	1%
1940	Above Norma	1%	1%	1%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	11%	0%	0%	0%	0%	0%	-1%	-5%	-9%
1942	Wet	-8%	-2%	-2%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1944	Dry	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%
1945	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1946	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%
1947	Dry	0%	0%	0%	0%	1%	20%	2%	2%	2%	2%	2%	2%
1948	Below Norma	2%	2%	2%	-5%	-5%	-3%	0%	0%	0%	0%	0%	0%
1949	Dry	0%	0%	0%	1%	1%	1%	2%	2%	2%	2%	2%	2%
1950	Below Norma	2%	2%	2%	2%	2%	-14%	0%	0%	0%	0%	0%	0%
1951	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1955	Dry	0%	0%	0%	0%	0%	1%	-1%	-1%	-2%	0%	4%	4%
1956	Wet	10%	15%	15%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1958	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1960	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1961	Dry	0%	0%	0%	1%	3%	3%	0%	0%	0%	0%	0%	0%
1962	Below Norma	0%	0%	0%	-2%	-1%	-38%	-8%	-1%	0%	-1%	-1%	-1%
1963	Wet	-2%	-2%	-1%	-2%	0%	0%	0%	0%	0%	-3%	-2%	0%
1964	Dry	0%	0%	0%	12%	0%	8%	7%	-2%	-4%	-3%	-4%	-4%
1965	Wet	-1%	-1%	3%	2%	0%	0%	0%	0%	0%	0%	0%	0%
1966	Below Norma	0%	0%	0%	1%	0%	0%	-8%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	0%	5%	0%	0%	0%	0%	0%	0%	0%	0%
1968	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1969	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1972	Below Norma	0%	0%	0%	0%	0%	1%	-2%	0%	0%	0%	0%	0%
1973	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1977	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1978	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1979	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1980	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1982	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	0%	-2%	-1%	1%	-6%	-1%
1986	Wet	-1%	-1%	-1%	-1%	-4%	0%	2%	0%	0%	0%	0%	0%
1987	Dry	0%	0%	0%	1%	0%	1%	1%	1%	1%	1%	1%	1%
1988	Critical	1%	1%	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%
1989	Dry	0%	0%	0%	0%	-1%	-20%	0%	0%	0%	0%	0%	0%
1990	Critical	0%	0%	-10%	-10%	-8%	0%	2%	2%	2%	2%	2%	2%
1991	Critical	2%	2%	2%	2%	2%	2%	4%	4%	4%	4%	4%	4%
1992	Critical	5%	5%	4%	4%	3%	-60%	16%	-1%	-1%	0%	3%	3%
1993	Above Norma	7%	11%	11%	3%	0%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1995	Wet	0%	0%	0%	0%	0%	-1%	1%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1998	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2001	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2002	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2003	Above Norma	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%
Average		0%	0%	0%	2%	1%	-1%	0%	0%	0%	0%	0%	0%
Wet		0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%
Above Norma		1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Below Norma		0%	0%	1%	0%	0%	-4%	-1%	0%	0%	0%	0%	0%
Dry		0%	0%	0%	11%	1%	1%	0%	0%	0%	0%	0%	0%
Critical		-1%	-2%	-2%	-2%	5%	-5%	2%	0%	0%	0%	0%	0%

Energy Use (GWh) At Pumping Plant at Chrisman: CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	153.50	136.43	103.39	4.50	92.49	151.52	140.57	150.32	145.85	150.47	150.65	145.16	1,525
1923	Below Normal	135.26	125.61	123.49	134.85	130.07	150.46	149.83	154.84	145.85	155.94	148.93	129.05	1,684
1924	Critical	117.78	108.87	106.84	72.47	64.98	31.76	39.66	46.20	46.84	43.31	36.63	34.04	749
1925	Dry	14.96	10.06	8.83	60.28	96.09	6.81	74.85	86.98	94.36	90.34	88.85	83.58	716
1926	Dry	50.91	40.26	28.72	16.82	113.87	63.44	98.67	133.21	132.42	136.10	136.32	131.30	1,082
1927	Wet	121.55	112.95	110.66	66.09	130.07	151.51	147.23	150.10	145.85	150.27	150.44	145.05	1,582
1928	Above Normal	135.06	125.36	123.19	113.14	134.71	147.00	126.29	119.07	115.12	118.66	118.74	114.41	1,491
1929	Critical	104.70	96.84	94.76	70.77	62.55	32.06	71.22	89.97	92.97	85.15	71.64	67.02	939
1930	Dry	33.05	20.53	17.73	6.96	35.45	115.09	79.13	114.19	120.01	120.52	132.10	125.07	920
1931	Critical	90.93	82.85	60.06	23.77	22.00	16.91	70.15	86.73	90.36	82.96	69.65	65.06	761
1932	Dry	31.81	19.92	17.21	6.90	113.59	57.98	60.16	88.57	92.63	88.54	86.73	81.69	746
1933	Critical	49.27	38.43	27.57	15.47	43.25	91.77	58.32	86.09	89.77	90.49	98.83	93.31	783
1934	Critical	65.44	58.79	41.05	19.55	43.80	16.50	60.83	89.14	92.65	93.41	102.48	96.91	781
1935	Below Normal	68.24	61.84	43.37	17.56	20.14	124.76	113.13	157.03	145.85	158.08	158.24	152.26	1,221
1936	Below Normal	155.56	108.65	102.93	8.38	9.86	150.31	141.62	151.83	145.85	151.46	151.30	145.95	1,424
1937	Below Normal	138.92	122.05	78.62	9.48	9.96	116.45	138.88	146.57	145.04	149.64	149.59	144.12	1,349
1938	Wet	134.90	125.77	123.54	132.96	130.07	151.14	151.09	139.66	135.95	139.77	139.79	134.86	1,640
1939	Dry	124.88	115.61	121.80	134.85	123.12	122.58	117.67	118.73	115.16	118.53	118.55	114.20	1,446
1940	Above Normal	104.53	96.50	94.55	39.95	38.11	151.34	150.78	155.60	145.85	156.19	156.65	151.82	1,442
1941	Wet	147.93	139.74	138.24	118.42	130.07	150.64	150.69	155.62	145.85	156.80	156.69	149.25	1,740
1942	Wet	137.15	118.95	116.89	134.85	130.07	151.13	136.81	139.03	135.25	139.32	139.35	134.34	1,613
1943	Wet	124.47	115.18	113.11	134.85	130.07	150.43	113.73	114.46	113.64	117.43	117.37	113.23	1,458
1944	Dry	103.56	95.49	93.55	71.60	93.06	145.34	143.15	142.69	138.04	142.52	142.81	137.75	1,450
1945	Below Normal	127.85	118.76	116.61	75.49	83.70	133.49	141.92	143.43	139.15	143.46	143.64	138.54	1,506
1946	Below Normal	128.62	119.57	117.37	134.85	130.07	149.86	146.60	154.52	143.47	128.55	128.60	123.96	1,609
1947	Dry	114.07	105.51	103.49	80.42	72.35	59.78	113.05	125.75	121.27	124.97	125.28	120.82	1,267
1948	Below Normal	111.18	103.44	101.25	39.96	36.73	21.07	74.19	145.98	141.51	145.77	146.16	140.91	1,208
1949	Dry	130.92	121.96	119.61	67.50	59.60	30.25	75.53	94.35	98.77	99.07	108.48	102.83	1,109
1950	Below Normal	72.73	66.23	46.67	17.84	18.44	79.20	129.66	142.99	138.22	142.72	143.04	137.83	1,136
1951	Above Normal	128.10	119.37	117.23	132.41	130.07	151.13	137.14	139.34	135.50	139.34	139.43	134.54	1,604
1952	Wet	124.53	115.29	113.22	134.85	134.71	151.09	151.00	138.41	134.00	138.42	138.46	133.58	1,608
1953	Wet	130.78	126.53	145.23	134.85	116.76	150.34	125.09	137.39	133.33	137.72	137.62	132.86	1,609
1954	Above Normal	122.93	113.80	111.76	132.48	130.07	149.90	150.67	155.60	145.85	154.59	150.01	138.89	1,657
1955	Dry	128.94	119.53	117.42	86.76	80.69	46.78	70.71	87.03	90.62	89.57	94.68	89.31	1,102
1956	Wet	59.59	51.50	36.15	93.92	134.71	150.90	125.51	138.64	134.70	138.62	138.64	133.84	1,337
1957	Above Normal	123.88	114.85	112.85	132.83	130.07	148.95	143.76	111.71	108.49	111.48	111.42	107.41	1,458
1958	Wet	97.81	90.24	88.25	134.85	130.07	150.91	137.26	139.23	138.21	142.40	142.64	137.51	1,529
1959	Below Normal	127.67	118.14	131.23	134.85	130.07	103.67	117.60	118.40	115.08	118.44	118.31	113.99	1,447
1960	Dry	104.48	96.33	94.35	72.11	65.22	37.83	102.41	119.60	122.60	124.02	132.22	125.94	1,197
1961	Dry	99.19	90.77	75.29	39.50	58.48	89.80	87.74	116.95	120.61	121.88	130.97	124.42	1,157
1962	Below Normal	96.18	87.76	70.75	33.86	30.51	119.62	149.20	150.60	145.85	151.29	151.19	145.89	1,334
1963	Wet	139.14	129.68	126.15	131.12	130.07	149.26	146.67	155.78	145.85	150.57	148.68	141.32	1,697
1964	Dry	131.30	121.76	119.58	82.56	134.71	132.57	97.12	104.36	103.44	106.08	109.39	104.56	1,347
1965	Wet	88.30	80.62	72.83	123.97	130.07	118.92	102.03	102.20	101.66	105.06	105.04	101.06	1,232
1966	Below Normal	91.79	84.34	82.33	134.03	130.07	151.10	132.57	134.34	130.50	134.21	134.39	129.50	1,469
1967	Wet	119.70	110.67	108.62	93.35	130.07	151.36	145.29	142.25	141.21	145.64	145.83	140.63	1,575
1968	Below Normal	130.55	140.11	145.49	134.85	134.71	150.22	109.59	121.75	118.42	121.71	121.55	117.22	1,546
1969	Wet	107.54	99.26	97.26	87.52	130.07	151.36	150.80	142.32	141.27	145.55	145.71	140.56	1,539
1970	Wet	130.34	120.87	145.49	134.85	130.07	150.39	125.07	138.51	134.72	138.57	138.56	133.60	1,621
1971	Wet	123.71	114.48	112.46	134.85	130.07	149.47	150.52	155.44	145.85	156.61	138.25	150.20	1,662
1972	Below Normal	139.22	119.24	115.99	98.15	134.71	141.92	83.81	98.56	101.60	102.70	109.93	104.24	1,350
1973	Above Normal	77.73	70.53	53.78	134.85	130.07	151.06	120.05	133.04	129.40	132.82	132.87	128.10	1,394
1974	Wet	118.29	109.35	107.33	134.85	130.07	151.05	136.32	138.56	134.94	138.59	138.65	133.82	1,572
1975	Wet	123.87	114.51	112.45	134.85	130.07	150.69	137.96	141.60	137.83	141.57	141.68	136.78	1,604
1976	Critical	126.69	117.34	115.28	134.85	134.71	149.02	131.18	101.10	97.64	100.54	100.33	96.70	1,405
1977	Critical	87.42	80.25	78.36	62.18	56.04	27.85	31.71	35.11	35.55	32.80	27.86	25.73	581
1978	Above Normal	11.38	7.40	6.74	49.16	116.85	150.46	145.80	151.93	145.85	154.83	155.05	150.03	1,245
1979	Below Normal	145.76	136.96	133.59	44.28	126.69	132.02	132.60	134.91	131.03	134.64	134.76	130.06	1,517
1980	Above Normal	120.17	111.28	109.26	128.47	134.71	150.50	131.56	121.63	120.86	124.84	124.86	120.36	1,498
1981	Dry	110.75	102.24	100.24	132.75	130.07	150.33	122.11	123.57	120.38	123.46	123.45	119.02	1,458
1982	Wet	109.18	100.89	98.93	134.85	130.07	151.09	150.36	138.56	134.61	138.52	138.54	133.57	1,559
1983	Wet	123.71	114.41	145.23	134.85	130.07	151.09	133.21	140.22	139.45	143.37	138.49	133.63	1,628
1984	Wet	135.86	126.53	145.23	134.85	134.71	151.09	124.88	138.34	134.21	138.46	138.48	133.64	1,636
1985	Dry	123.50	114.41	112.36	132.79	130.07	149.04	149.59	133.36	126.79	112.98	110.91	134.64	1,530
1986	Wet	125.21	116.39	114.55	75.45	78.13	151.17	115.00	114.24	113.54	116.95	117.25	112.75	1,351
1987	Dry	103.19	95.60	93.45	121.00	129.34	125.71	108.82	109.56	105.92	108.89	109.08	105.08	1,316
1988	Critical	95.74	88.16	86.16	66.96	63.96	31.03	62.71	76.89	80.01	73.53	61.73	57.84	845
1989	Dry	27.67	17.51	15.02	6.39	8.72	33.23	140.86	152.95	145.85	152.90	153.04	148.01	1,002
1990	Critical	143.60	134.81	130.72	9.50	9.55	12.04	63.30	77.41	80.68	73.97	62.15	58.14	856
1991	Critical	27.82	17.71	15.29	5.80	5.91	6.74	56.87	69.41	72.06	66.28	55.72	52.20	452
1992	Critical	24.32	15.80	13.79	5.35	5.81	25.43	62.17	90.97	94.73	91.89	93.31	87.89	611
1993	Above Normal	55.93	46.23	32.66	16.66	120.12	151.80	137.57	147.47	143.20	147.37	147.64	142.49	1,289
1994	Critical	132.48	122.97	120.85	118.60	127.87	124.41	83.56	94.21	95.12	97.01	101.70	96.77	1,316
1995	Wet	76.02	68.98	57.17	41.05	130.07	152.63	146.25	144.19	143.05	147.47	147.77	142.56	1,397
1996	Wet	132.55	123.05	145.39	134.85	134.71	150.63	116.10	126.52	125.83	129.58	129.60	124.90	1,574
1997	Wet	115.09	106.42	104.44	134.85	130.07	149.71	99.07	99.72	96.07	99.11	99.02	95.41	1,329
1998	Wet	85.95	78.97	77.04	129.83	130.07	151.14</							

Energy Use (GWh) At Pumping Plant at Chrisman: CP4B_2020

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	153.50	136.43	103.39	4.50	92.49	151.52	140.57	150.32	145.85	150.47	150.65	145.16	1,525
1923	Below Normal	135.26	125.61	123.49	134.85	130.07	150.46	149.83	154.84	145.85	155.94	148.93	129.06	1,684
1924	Critical	117.78	108.88	106.84	72.47	64.98	31.76	39.66	46.20	46.84	43.31	36.63	34.04	749
1925	Dry	14.96	10.06	8.83	64.08	96.73	6.81	74.85	86.98	94.36	90.35	88.85	83.58	720
1926	Dry	50.92	40.27	28.73	16.82	113.23	69.17	93.28	133.15	132.35	136.03	136.25	131.24	1,081
1927	Wet	121.49	112.89	110.60	66.08	130.07	151.51	147.23	150.10	145.85	150.27	150.44	145.05	1,582
1928	Above Normal	135.07	125.36	123.20	110.67	134.71	147.06	127.29	119.99	116.02	119.58	119.67	115.31	1,494
1929	Critical	105.59	97.68	95.60	71.08	62.82	32.19	71.52	89.37	93.41	85.54	71.97	67.32	944
1930	Dry	33.24	20.63	17.81	6.99	42.64	114.45	79.19	114.18	119.99	120.50	132.08	125.05	927
1931	Critical	90.93	82.84	60.08	23.76	22.09	16.90	69.34	85.65	89.19	81.90	68.76	64.23	756
1932	Dry	31.32	19.65	16.98	19.11	106.73	55.75	60.74	89.25	93.42	87.98	82.83	77.94	742
1933	Critical	44.52	32.50	25.22	12.89	67.04	90.87	59.44	87.45	91.28	90.43	95.16	89.66	786
1934	Critical	59.97	51.67	36.18	18.56	47.15	16.19	60.56	88.77	92.25	93.02	102.04	96.49	763
1935	Below Normal	67.92	61.54	43.14	17.51	20.14	124.13	112.54	157.03	145.85	158.08	158.24	152.26	1,218
1936	Below Normal	155.56	109.18	102.02	8.37	9.83	150.29	141.12	151.66	145.85	151.24	151.06	145.68	1,422
1937	Below Normal	138.20	123.54	82.29	9.47	9.96	117.23	138.73	146.41	144.88	149.48	149.51	144.04	1,354
1938	Wet	134.69	125.57	123.33	132.94	130.07	151.14	151.09	139.65	135.93	139.76	139.78	134.85	1,639
1939	Dry	124.87	115.59	121.99	134.85	122.92	125.94	108.20	120.21	116.63	120.03	120.05	115.66	1,447
1940	Above Normal	105.96	97.85	95.90	39.47	37.79	151.45	151.33	155.48	145.85	156.02	156.47	151.63	1,445
1941	Wet	147.67	139.42	137.72	131.35	130.07	151.19	150.53	155.46	145.85	155.97	149.03	135.90	1,730
1942	Wet	125.94	116.68	114.64	134.85	130.07	151.12	136.64	138.85	135.08	139.14	139.17	134.16	1,596
1943	Wet	124.30	115.02	112.95	134.85	130.07	150.43	113.73	114.46	113.63	117.42	117.36	113.22	1,457
1944	Dry	103.56	95.49	93.54	71.60	93.78	145.30	143.02	142.62	137.97	142.45	142.74	137.68	1,450
1945	Below Normal	127.78	118.70	116.54	75.44	83.91	133.36	142.16	143.58	139.30	143.62	143.80	138.69	1,507
1946	Below Normal	128.77	119.71	117.51	134.85	130.07	149.87	149.63	154.55	145.32	128.95	129.00	124.35	1,613
1947	Dry	114.46	105.88	103.85	80.06	72.81	72.04	115.00	127.78	123.28	127.02	127.34	122.82	1,292
1948	Below Normal	113.16	105.31	103.11	38.08	35.05	20.45	74.19	145.94	141.47	145.73	146.12	140.87	1,209
1949	Dry	130.87	121.92	119.57	68.31	60.17	30.68	76.86	96.13	100.69	100.98	110.58	104.84	1,122
1950	Below Normal	74.29	67.68	47.77	18.12	18.81	68.07	130.04	143.39	138.61	143.12	143.44	138.22	1,132
1951	Above Normal	128.48	119.74	117.59	132.46	130.07	151.13	137.15	139.35	135.50	139.35	139.43	134.54	1,605
1952	Wet	124.53	115.30	113.23	134.85	134.71	151.09	151.00	138.41	134.00	138.42	138.46	133.58	1,608
1953	Wet	130.78	126.53	145.23	134.85	116.76	150.34	124.45	137.39	133.33	137.72	137.62	132.86	1,608
1954	Above Normal	122.93	113.80	111.76	132.49	130.07	149.91	150.67	155.60	145.85	154.45	149.62	138.88	1,656
1955	Dry	128.93	119.52	117.41	86.79	80.71	47.07	69.99	85.81	89.24	89.86	98.81	93.42	1,108
1956	Wet	65.57	59.23	41.43	93.97	134.71	150.88	125.50	138.63	134.67	138.60	138.62	133.81	1,356
1957	Above Normal	123.87	114.86	112.88	132.84	130.07	148.95	143.81	111.73	108.51	111.50	111.44	107.43	1,458
1958	Wet	97.82	90.26	88.27	134.85	130.07	150.91	137.27	139.24	138.22	142.41	142.66	137.52	1,530
1959	Below Normal	127.68	118.15	131.04	134.85	130.07	103.67	117.60	118.40	115.08	118.44	118.31	113.99	1,447
1960	Dry	104.47	96.32	94.35	72.11	65.22	37.89	102.57	119.63	122.57	124.02	132.15	125.89	1,197
1961	Dry	99.28	90.86	75.51	39.74	61.37	92.47	87.70	116.93	120.61	121.86	130.97	124.42	1,162
1962	Below Normal	96.15	87.73	70.70	33.30	30.23	73.20	136.79	150.24	145.74	149.97	149.77	144.37	1,268
1963	Wet	135.86	126.76	124.54	128.86	130.07	149.43	149.88	155.73	145.85	146.19	146.18	141.07	1,680
1964	Dry	131.05	121.52	119.34	92.19	134.71	142.94	104.01	102.12	99.95	102.83	104.49	100.15	1,355
1965	Wet	87.38	79.99	75.09	126.51	130.07	118.96	102.06	102.24	101.69	105.10	105.08	101.09	1,235
1966	Below Normal	91.83	84.37	82.36	134.85	130.07	151.09	121.92	134.11	130.28	133.98	134.16	129.27	1,458
1967	Wet	119.48	110.46	108.41	97.96	130.07	151.35	144.87	141.81	140.78	145.20	145.38	140.20	1,576
1968	Below Normal	130.12	139.70	145.48	134.85	134.71	150.22	109.59	121.75	118.42	121.71	121.55	117.22	1,545
1969	Wet	107.54	99.26	97.26	87.77	130.07	151.36	150.79	142.29	141.24	145.53	145.69	140.54	1,539
1970	Wet	130.32	120.85	145.49	134.85	130.07	150.39	125.07	138.51	134.72	138.57	138.56	133.60	1,621
1971	Wet	123.71	114.48	112.46	134.85	130.07	149.48	150.52	155.44	145.85	156.61	138.24	150.21	1,662
1972	Below Normal	139.22	119.23	115.98	98.16	134.71	143.27	82.35	98.51	101.59	102.68	109.94	104.25	1,350
1973	Above Normal	77.64	70.45	53.59	134.85	130.07	151.06	120.07	133.07	129.42	132.85	132.90	128.12	1,394
1974	Wet	118.31	109.37	107.35	134.85	130.07	151.05	136.32	138.56	134.94	138.59	138.65	133.82	1,572
1975	Wet	123.87	114.51	112.45	134.85	130.07	150.69	137.96	141.60	137.83	141.57	141.68	136.78	1,604
1976	Critical	126.69	117.34	115.28	134.85	134.71	149.02	131.21	101.13	97.68	100.57	100.36	96.73	1,406
1977	Critical	87.45	80.28	78.38	62.19	56.06	27.86	31.71	35.10	35.55	32.79	27.85	25.72	581
1978	Above Normal	11.38	7.40	6.74	49.11	116.49	150.46	145.80	151.29	145.85	154.84	155.05	150.04	1,244
1979	Below Normal	145.77	136.97	133.61	44.45	126.75	132.18	132.59	134.90	131.02	134.64	134.76	130.06	1,518
1980	Above Normal	120.16	111.28	109.25	128.35	134.71	150.49	131.36	121.76	120.99	124.97	124.99	120.49	1,499
1981	Dry	110.88	102.37	100.36	132.73	130.07	150.33	122.12	123.59	120.39	123.47	123.47	119.03	1,459
1982	Wet	109.19	100.90	98.94	134.85	130.07	151.09	150.36	138.56	134.61	138.52	138.54	133.57	1,559
1983	Wet	123.71	114.41	145.23	134.85	130.07	151.09	133.21	140.22	139.45	143.37	138.49	133.63	1,628
1984	Wet	135.86	126.53	145.23	134.85	134.71	151.09	124.88	138.34	134.21	138.46	138.48	133.64	1,636
1985	Dry	123.50	114.41	112.36	132.79	130.07	149.04	149.46	130.22	125.15	114.59	103.65	133.56	1,519
1986	Wet	124.17	115.42	113.61	74.69	74.84	151.17	117.55	114.23	113.54	116.95	117.25	112.75	1,346
1987	Dry	103.19	95.60	93.45	122.20	129.63	126.87	109.43	110.19	106.55	109.53	109.73	105.71	1,322
1988	Critical	96.36	88.74	86.74	67.40	64.35	31.18	62.71	76.89	80.01	73.53	61.73	57.84	847
1989	Dry	27.67	17.51	15.02	6.39	8.62	26.45	140.87	152.96	145.85	152.91	153.06	148.03	995
1990	Critical	143.63	134.84	117.92	8.51	8.77	11.96	64.30	78.74	82.12	75.26	63.23	59.16	848
1991	Critical	28.42	18.03	15.56	5.90	6.01	6.91	59.10	72.39	75.28	69.18	58.14	54.49	469
1992	Critical	25.67	16.53	14.41	5.55	5.98	9.60	72.45	90.26	93.93	92.24	96.32	90.85	614
1993	Above Normal	59.99	51.47	36.27	17.12	119.64	151.84	137.92	147.53	143.24	147.42	147.69	142.53	1,303
1994	Critical	132.53	123.04	120.93	118.57	127.86	124.39	83.55	94.21	95.12	97.01	101.71	96.78	1,316
1995	Wet	76.01	68.98	57.15	41.03	130.07	151.29	147.47	144.16	143.03	147.45	147.75	142.54	1,397
1996	Wet	132.53	123.03	145.39	134.85	134.71	150.63	116.10	126.52	125.83	129.58	129.60	124.90	1,574
1997	Wet	115.09	106.42	104.44	134.85	130.07	149.71	99.07	99.72	96.07	99.11	99.02	95.41	1,329
1998	Wet	85.95	78.97	77.04	129.86	130.07	1							

Difference in Energy Use (GWh) At Pumping Plant at Chrisman: CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	4	1	0	0	0	0	0	0	0	0
1926	Dry	0	0	0	0	-1	6	-5	0	0	0	0	0	0
1927	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	-2	0	0	1	1	1	1	1	1	0
1929	Critical	1	1	1	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	0	7	-1	0	0	0	0	0	0	1
1931	Critical	0	0	0	0	0	0	-1	-1	-1	-1	-1	-1	0
1932	Dry	0	0	0	12	-7	-2	1	1	1	-1	-4	-4	0
1933	Critical	-5	-6	-2	-3	24	-1	1	1	2	0	-4	-4	0
1934	Critical	-5	-7	-5	-1	3	0	0	0	0	0	0	0	-1
1935	Below Norma	0	0	0	0	0	-1	-1	0	0	0	0	0	0
1936	Below Norma	0	1	-1	0	0	0	-1	0	0	0	0	0	0
1937	Below Norma	-1	1	4	0	0	1	0	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	3	-9	1	1	1	2	1	0
1940	Above Norma	1	1	1	0	0	0	1	0	0	0	0	0	0
1941	Wet	0	0	-1	13	0	1	0	0	0	-1	-8	-13	-1
1942	Wet	-11	-2	-2	0	0	0	0	0	0	0	0	0	-1
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	1	0	0	0	0	0	0	0	0
1945	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1946	Below Norma	0	0	0	0	0	0	0	2	0	0	0	0	0
1947	Dry	0	0	0	0	0	12	2	2	2	2	2	2	2
1948	Below Norma	2	2	2	-2	-2	-1	0	0	0	0	0	0	0
1949	Dry	0	0	0	1	1	0	1	2	2	2	2	2	1
1950	Below Norma	2	1	1	0	0	-11	0	0	0	0	0	0	0
1951	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	-1	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	-1	-1	-1	0	4	4	0
1956	Wet	6	8	5	0	0	0	0	0	0	0	0	0	2
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1961	Dry	0	0	0	0	2	3	0	0	0	0	0	0	0
1962	Below Norma	0	0	0	-1	0	-46	-12	-1	0	-1	-1	-2	-5
1963	Wet	-3	-3	-2	-2	0	0	0	0	0	-4	-2	0	-1
1964	Dry	0	0	0	10	0	10	7	-2	-3	-3	-5	-4	1
1965	Wet	-1	-1	2	3	0	0	0	0	0	0	0	0	0
1966	Below Norma	0	0	0	1	0	0	-11	0	0	0	0	0	-1
1967	Wet	0	0	0	5	0	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	1	-1	0	0	0	0	0	0
1973	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Norma	0	0	0	0	0	0	0	-1	0	0	0	0	0
1979	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	-3	-2	2	-7	-1	-1
1986	Wet	-1	-1	-1	-1	-3	0	3	0	0	0	0	0	0
1987	Dry	0	0	0	1	0	1	1	1	1	1	1	1	1
1988	Critical	1	1	1	0	0	0	0	0	0	0	0	0	0
1989	Dry	0	0	0	0	0	-7	0	0	0	0	0	0	-1
1990	Critical	0	0	-13	-1	-1	0	1	1	1	1	1	1	-1
1991	Critical	1	0	0	0	0	0	2	3	3	3	2	2	1
1992	Critical	1	1	1	0	0	-16	10	-1	-1	0	3	3	0
1993	Above Norma	-4	5	4	0	0	0	0	0	0	0	0	0	1
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	0	0	0	0	0	-1	1	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	Above Norma	0	0	0	1	0	0	0	0	0	0	0	0	0
Average		0	0	0	0	0	-1	0	0	0	0	0	0	0
Wet		0	0	0	1	0	0	0	0	0	0	0	-1	0
Above Norma		0	1	0	0	0	0	0	0	0	0	0	0	0
Below Norma		0	0	0	0	0	-4	-2	0	0	0	0	0	0
Dry		0	0	0	2	0	1	0	0	0	0	0	0	0
Critical		-1	-1	-1	0	2	-1	1	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at Chrisman: CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1923	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1924	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1925	Dry	0%	0%	0%	6%	1%	0%	0%	0%	0%	0%	0%	0%
1926	Dry	0%	0%	0%	0%	-1%	9%	-5%	0%	0%	0%	0%	0%
1927	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1928	Above Norma	0%	0%	0%	-2%	0%	0%	1%	1%	1%	1%	1%	1%
1929	Critical	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1930	Dry	1%	0%	0%	1%	20%	-1%	0%	0%	0%	0%	0%	0%
1931	Critical	0%	0%	0%	0%	0%	0%	-1%	-1%	-1%	-1%	-1%	-1%
1932	Dry	-2%	-1%	-1%	177%	-6%	-4%	1%	1%	1%	-1%	-4%	-5%
1933	Critical	-10%	-15%	-9%	-17%	55%	-1%	2%	2%	0%	0%	-4%	-4%
1934	Critical	-8%	-12%	-12%	-5%	8%	-2%	0%	0%	0%	0%	0%	0%
1935	Below Norma	0%	0%	-1%	0%	0%	-1%	-1%	0%	0%	0%	0%	0%
1936	Below Norma	0%	0%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1937	Below Norma	-1%	1%	5%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1938	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	0%	3%	-8%	1%	1%	1%	1%	1%
1940	Above Norma	1%	1%	1%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	11%	0%	0%	0%	0%	0%	-1%	-5%	-9%
1942	Wet	-8%	-2%	-2%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1944	Dry	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%
1945	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1946	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%
1947	Dry	0%	0%	0%	0%	1%	21%	2%	2%	2%	2%	2%	2%
1948	Below Norma	2%	2%	2%	-5%	-5%	-3%	0%	0%	0%	0%	0%	0%
1949	Dry	0%	0%	0%	1%	1%	1%	2%	2%	2%	2%	2%	2%
1950	Below Norma	2%	2%	2%	2%	2%	-14%	0%	0%	0%	0%	0%	0%
1951	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%
1954	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1955	Dry	0%	0%	0%	0%	0%	1%	-1%	-1%	-2%	0%	4%	5%
1956	Wet	10%	15%	15%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1958	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1960	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1961	Dry	0%	0%	0%	1%	3%	3%	0%	0%	0%	0%	0%	0%
1962	Below Norma	0%	0%	0%	-2%	-1%	-39%	-8%	-1%	0%	-1%	-1%	-1%
1963	Wet	-2%	-2%	-1%	-2%	0%	0%	0%	0%	0%	-3%	-2%	0%
1964	Dry	0%	0%	0%	12%	0%	8%	7%	-2%	-3%	-3%	-4%	-4%
1965	Wet	-1%	-1%	3%	2%	0%	0%	0%	0%	0%	0%	0%	0%
1966	Below Norma	0%	0%	0%	1%	0%	0%	-8%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	0%	5%	0%	0%	0%	0%	0%	0%	0%	0%
1968	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1969	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1972	Below Norma	0%	0%	0%	0%	0%	1%	-2%	0%	0%	0%	0%	0%
1973	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1977	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1978	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1979	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1980	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1982	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	0%	-2%	-1%	1%	-7%	-1%
1986	Wet	-1%	-1%	-1%	-1%	-4%	0%	2%	0%	0%	0%	0%	0%
1987	Dry	0%	0%	0%	1%	0%	1%	1%	1%	1%	1%	1%	1%
1988	Critical	1%	1%	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%
1989	Dry	0%	0%	0%	0%	-1%	-20%	0%	0%	0%	0%	0%	0%
1990	Critical	0%	0%	-10%	-10%	-8%	-1%	2%	2%	2%	2%	2%	2%
1991	Critical	2%	2%	2%	2%	2%	2%	4%	4%	4%	4%	4%	4%
1992	Critical	6%	5%	4%	4%	3%	-62%	17%	-1%	-1%	0%	3%	3%
1993	Above Norma	7%	11%	11%	3%	0%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1995	Wet	0%	0%	0%	0%	0%	-1%	1%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1998	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2001	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2002	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2003	Above Norma	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%
Average		0%	0%	0%	2%	1%	-1%	0%	0%	0%	0%	0%	0%
Wet		0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%
Above Norma		1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Below Norma		0%	0%	1%	0%	0%	-4%	-1%	0%	0%	0%	0%	0%
Dry		0%	0%	0%	11%	1%	1%	0%	0%	0%	0%	0%	0%
Critical		-1%	-2%	-2%	-2%	5%	-5%	2%	0%	0%	0%	0%	0%

Energy Use (GWh) At Pumping Plant at Del Valle: CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	0.17	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.07	0.08	0.07	0.05	2
1923	Below Normal	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.06	0.08	0.07	0.05	1
1924	Critical	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.06	0.07	0.08	0.07	0.05	1
1925	Dry	0.00	0.00	0.00	0.54	0.00	0.00	0.29	0.05	0.07	0.08	0.07	0.04	1
1926	Dry	0.00	0.00	0.00	0.00	1.08	0.00	0.24	0.05	0.07	0.08	0.07	0.04	2
1927	Wet	0.00	0.00	0.00	0.00	0.84	0.26	0.03	0.05	0.06	0.08	0.06	0.04	1
1928	Above Normal	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.06	0.07	0.08	0.07	0.05	1
1929	Critical	0.00	0.00	0.00	0.00	0.00	0.73	0.38	0.05	0.06	0.08	0.07	0.05	1
1930	Dry	0.00	0.00	0.00	0.00	1.08	0.02	0.03	0.04	0.07	0.07	0.07	0.04	1
1931	Critical	0.00	0.00	0.00	0.00	0.00	0.73	0.40	0.06	0.06	0.09	0.07	0.04	1
1932	Dry	0.00	0.00	0.00	0.00	1.08	0.02	0.03	0.05	0.07	0.07	0.07	0.05	1
1933	Critical	0.00	0.00	0.00	0.00	1.08	0.01	0.03	0.04	0.06	0.08	0.07	0.05	1
1934	Critical	0.00	0.00	0.00	0.00	1.08	0.02	0.04	0.06	0.07	0.08	0.07	0.05	1
1935	Below Normal	0.00	0.00	0.00	0.00	0.00	1.09	0.03	0.05	0.07	0.07	0.07	0.05	1
1936	Below Normal	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.06	0.08	0.07	0.05	1
1937	Below Normal	0.00	0.00	0.00	0.00	0.00	1.09	0.03	0.05	0.06	0.08	0.07	0.05	1
1938	Wet	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.07	0.08	0.07	0.05	1
1939	Dry	0.00	0.00	0.85	0.22	0.00	0.34	0.40	0.05	0.07	0.08	0.07	0.05	2
1940	Above Normal	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.06	0.07	0.07	0.07	0.05	1
1941	Wet	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.06	0.08	0.07	0.05	1
1942	Wet	0.00	0.00	0.00	0.00	0.59	0.50	0.03	0.05	0.07	0.08	0.07	0.05	1
1943	Wet	0.00	0.00	0.00	0.79	0.29	0.01	0.03	0.06	0.06	0.08	0.07	0.05	1
1944	Dry	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.06	0.07	0.07	0.05	1
1945	Below Normal	0.00	0.00	0.00	0.00	1.08	0.00	0.40	0.05	0.07	0.08	0.07	0.05	2
1946	Below Normal	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.06	0.08	0.07	0.05	1
1947	Dry	0.00	0.00	0.00	0.00	0.00	1.09	0.04	0.06	0.07	0.07	0.07	0.05	1
1948	Below Normal	0.00	0.00	0.00	0.00	0.00	0.73	0.38	0.05	0.06	0.08	0.07	0.05	1
1949	Dry	0.00	0.00	0.00	0.00	0.00	0.73	0.40	0.05	0.07	0.08	0.07	0.05	1
1950	Below Normal	0.00	0.00	0.00	0.00	0.00	1.09	0.04	0.05	0.06	0.08	0.07	0.05	1
1951	Above Normal	0.00	0.00	0.00	0.00	0.60	0.49	0.03	0.05	0.06	0.07	0.07	0.05	1
1952	Wet	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.06	0.06	0.08	0.07	0.05	1
1953	Wet	0.03	0.01	0.00	0.00	0.00	0.76	0.03	0.04	0.06	0.08	0.07	0.05	1
1954	Above Normal	0.00	0.00	0.00	0.00	0.00	0.83	0.30	0.06	0.07	0.08	0.06	0.05	1
1955	Dry	0.00	0.00	0.00	0.00	0.00	0.73	0.38	0.05	0.06	0.07	0.07	0.05	1
1956	Wet	0.00	0.00	0.00	0.00	0.39	0.71	0.03	0.05	0.07	0.08	0.07	0.05	1
1957	Above Normal	0.00	0.00	0.00	0.00	0.00	0.73	0.40	0.05	0.07	0.08	0.07	0.05	1
1958	Wet	0.00	0.00	0.00	1.02	0.06	0.01	0.04	0.06	0.07	0.08	0.08	0.06	1
1959	Below Normal	0.00	0.00	0.83	0.25	0.00	0.00	0.40	0.05	0.07	0.08	0.07	0.05	2
1960	Dry	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.08	0.08	0.07	0.05	1
1961	Dry	0.00	0.00	0.00	0.00	1.08	0.01	0.03	0.04	0.07	0.08	0.07	0.05	1
1962	Below Normal	0.00	0.00	0.00	0.00	0.00	0.73	0.40	0.05	0.06	0.07	0.07	0.04	1
1963	Wet	0.00	0.00	0.00	0.00	0.00	0.73	0.38	0.05	0.06	0.07	0.07	0.05	1
1964	Dry	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.06	0.07	0.07	0.05	1
1965	Wet	0.00	0.00	0.00	0.00	0.50	0.60	0.03	0.05	0.06	0.07	0.07	0.04	1
1966	Below Normal	0.00	0.00	0.00	0.00	0.61	0.48	0.04	0.05	0.07	0.07	0.07	0.05	1
1967	Wet	0.00	0.00	0.00	0.00	0.53	0.57	0.01	0.05	0.06	0.08	0.08	0.05	1
1968	Below Normal	0.00	0.61	0.11	0.00	0.00	0.02	0.04	0.05	0.07	0.08	0.07	0.05	1
1969	Wet	0.00	0.00	0.00	0.00	0.53	0.56	0.03	0.06	0.07	0.08	0.07	0.05	1
1970	Wet	0.00	0.00	0.79	0.28	0.00	0.02	0.03	0.06	0.07	0.08	0.07	0.05	1
1971	Wet	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.06	0.08	0.07	0.05	1
1972	Below Normal	0.00	0.00	0.00	0.00	0.00	0.74	0.39	0.05	0.07	0.08	0.07	0.05	1
1973	Above Normal	0.00	0.00	0.00	0.57	0.51	0.01	0.04	0.06	0.07	0.08	0.07	0.05	1
1974	Wet	0.00	0.00	0.00	0.00	0.61	0.49	0.03	0.05	0.07	0.08	0.07	0.05	1
1975	Wet	0.00	0.00	0.00	0.28	0.70	0.12	0.02	0.06	0.07	0.07	0.07	0.05	1
1976	Critical	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.06	0.07	0.08	0.06	0.05	1
1977	Critical	0.00	0.00	0.00	0.00	0.00	0.73	0.40	0.04	0.07	0.07	0.07	0.04	1
1978	Above Normal	0.00	0.00	0.00	0.41	0.00	0.02	0.03	0.05	0.07	0.08	0.07	0.05	1
1979	Below Normal	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.06	0.07	0.08	0.07	0.05	1
1980	Above Normal	0.00	0.00	0.00	0.00	0.68	0.42	0.03	0.05	0.06	0.08	0.06	0.05	1
1981	Dry	0.00	0.00	0.00	0.00	0.11	0.88	0.14	0.06	0.08	0.08	0.07	0.05	1
1982	Wet	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.06	0.07	0.07	0.05	1
1983	Wet	0.00	0.00	0.87	0.21	0.00	0.01	0.03	0.05	0.06	0.07	0.07	0.05	1
1984	Wet	0.03	0.01	0.00	0.00	0.00	0.02	0.03	0.06	0.07	0.08	0.07	0.06	0
1985	Dry	0.00	0.00	0.00	0.00	0.00	0.73	0.40	0.05	0.07	0.08	0.07	0.04	1
1986	Wet	0.00	0.00	0.00	0.00	1.08	0.02	0.03	0.05	0.07	0.08	0.07	0.04	1
1987	Dry	0.00	0.00	0.00	0.00	0.00	0.73	0.40	0.06	0.07	0.07	0.07	0.05	1
1988	Critical	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.07	0.08	0.07	0.05	1
1989	Dry	0.00	0.00	0.00	0.00	0.00	1.09	0.04	0.05	0.07	0.08	0.07	0.05	1
1990	Critical	0.00	0.00	0.00	0.00	0.00	0.73	0.40	0.05	0.07	0.08	0.07	0.05	1
1991	Critical	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.06	0.08	0.07	0.05	1
1992	Critical	0.00	0.00	0.00	0.00	0.00	1.09	0.04	0.06	0.07	0.08	0.07	0.05	1
1993	Above Normal	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.07	0.08	0.07	0.05	1
1994	Critical	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.07	0.07	0.07	0.05	1
1995	Wet	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.06	0.08	0.07	0.05	1
1996	Wet	0.00	0.00	0.80	0.27	0.00	0.02	0.04	0.05	0.07	0.08	0.07	0.05	1
1997	Wet	0.00	0.00	0.00	0.00	0.61	0.49	0.04	0.06	0.07	0.08	0.07	0.05	1
1998	Wet	0.00	0.00	0.00	0.00	0.60	0.49	0.03	0.04	0.06	0.08	0.07	0.05	1
1999	Wet	0.02	0.01	0.00	0.00	0.00	0.01	0.03	0.05	0.07	0.07	0.07	0.05	0
2000	Above Normal	0.00	0.00	0.00	0.00	0.00	0.73	0.40	0.06	0.07	0.07	0.07	0.05	1
2001	Dry	0.00	0.00	0.00	0.00	0.00	1.10	0.03	0.07	0.07	0.08	0.07	0.05	1
2002	Dry	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.07	0.08	0.07	0.05	1
2003	Above Normal	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.07	0.08	0.07	0.05	1
Average		0	0	0	0	0	1	0	0	0	0	0	0	1
Wet		0	0	0	0	0	0	0	0	0	0	0	0	1
Above Normal		0	0	0	0	0	1	0	0	0	0	0	0	1
Below Normal		0	0	0	0	0	1	0	0	0	0	0	0	1
Dry		0	0	0	0	0	1	0	0	0	0	0	0	1
Critical		0	0	0	0	0	1	0	0	0	0	0	0	1

Energy Use (GWh) At Pumping Plant at Del Valle: CP4B_2020

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	0.17	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.07	0.08	0.07	0.05	2
1923	Below Normal	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.06	0.08	0.07	0.05	1
1924	Critical	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.06	0.07	0.08	0.07	0.05	1
1925	Dry	0.00	0.00	0.00	0.54	0.00	0.00	0.29	0.05	0.07	0.08	0.07	0.04	1
1926	Dry	0.00	0.00	0.00	0.00	1.08	0.02	0.04	0.05	0.07	0.08	0.07	0.04	1
1927	Wet	0.00	0.00	0.00	0.00	0.84	0.26	0.03	0.05	0.06	0.08	0.06	0.04	1
1928	Above Normal	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.06	0.07	0.08	0.07	0.05	1
1929	Critical	0.00	0.00	0.00	0.00	0.00	0.73	0.38	0.05	0.06	0.08	0.07	0.05	1
1930	Dry	0.00	0.00	0.00	0.00	1.08	0.02	0.03	0.04	0.07	0.07	0.07	0.04	1
1931	Critical	0.00	0.00	0.00	0.00	0.00	0.73	0.40	0.06	0.06	0.09	0.07	0.04	1
1932	Dry	0.00	0.00	0.00	1.06	0.00	0.02	0.03	0.05	0.07	0.07	0.07	0.05	1
1933	Critical	0.00	0.00	0.00	0.00	1.08	0.01	0.03	0.04	0.06	0.08	0.07	0.05	1
1934	Critical	0.00	0.00	0.00	0.00	1.08	0.02	0.04	0.06	0.07	0.08	0.07	0.05	1
1935	Below Normal	0.00	0.00	0.00	0.00	0.00	1.09	0.03	0.05	0.07	0.07	0.07	0.05	1
1936	Below Normal	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.06	0.08	0.07	0.05	1
1937	Below Normal	0.00	0.00	0.00	0.00	0.00	1.09	0.03	0.05	0.06	0.08	0.07	0.05	1
1938	Wet	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.07	0.08	0.07	0.05	1
1939	Dry	0.00	0.00	0.85	0.22	0.00	0.18	0.04	0.05	0.07	0.08	0.07	0.05	2
1940	Above Normal	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.06	0.07	0.07	0.07	0.05	1
1941	Wet	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.06	0.08	0.07	0.05	1
1942	Wet	0.00	0.00	0.00	0.00	0.59	0.50	0.03	0.05	0.07	0.08	0.07	0.05	1
1943	Wet	0.00	0.00	0.00	0.79	0.29	0.01	0.03	0.06	0.06	0.08	0.07	0.05	1
1944	Dry	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.06	0.07	0.07	0.05	1
1945	Below Normal	0.00	0.00	0.00	0.00	1.08	0.00	0.40	0.05	0.07	0.08	0.07	0.05	2
1946	Below Normal	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.06	0.08	0.07	0.05	1
1947	Dry	0.00	0.00	0.00	0.00	0.00	1.09	0.04	0.06	0.07	0.07	0.07	0.05	1
1948	Below Normal	0.00	0.00	0.00	0.00	0.00	0.73	0.38	0.05	0.06	0.08	0.07	0.05	1
1949	Dry	0.00	0.00	0.00	0.00	0.00	0.73	0.40	0.05	0.07	0.08	0.07	0.05	1
1950	Below Normal	0.00	0.00	0.00	0.00	0.00	1.09	0.04	0.05	0.06	0.08	0.07	0.05	1
1951	Above Normal	0.00	0.00	0.00	0.00	0.60	0.49	0.03	0.05	0.06	0.07	0.07	0.05	1
1952	Wet	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.06	0.06	0.08	0.07	0.05	1
1953	Wet	0.03	0.01	0.00	0.00	0.00	0.76	0.03	0.04	0.06	0.08	0.07	0.05	1
1954	Above Normal	0.00	0.00	0.00	0.00	0.00	0.83	0.30	0.06	0.07	0.08	0.06	0.05	1
1955	Dry	0.00	0.00	0.00	0.00	0.00	0.73	0.38	0.05	0.06	0.07	0.07	0.05	1
1956	Wet	0.00	0.00	0.00	0.00	0.36	0.74	0.03	0.05	0.07	0.08	0.07	0.05	1
1957	Above Normal	0.00	0.00	0.00	0.00	0.00	0.73	0.40	0.05	0.07	0.08	0.07	0.05	1
1958	Wet	0.00	0.00	0.00	1.02	0.06	0.01	0.04	0.06	0.07	0.08	0.08	0.06	1
1959	Below Normal	0.00	0.00	0.83	0.25	0.00	0.00	0.40	0.05	0.07	0.08	0.07	0.05	2
1960	Dry	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.08	0.08	0.07	0.05	1
1961	Dry	0.00	0.00	0.00	0.00	1.08	0.01	0.03	0.04	0.07	0.08	0.07	0.05	1
1962	Below Normal	0.00	0.00	0.00	0.00	0.00	1.09	0.04	0.05	0.06	0.07	0.07	0.04	1
1963	Wet	0.00	0.00	0.00	0.00	0.00	0.73	0.38	0.05	0.06	0.07	0.07	0.05	1
1964	Dry	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.06	0.07	0.07	0.05	1
1965	Wet	0.00	0.00	0.00	0.00	0.56	0.53	0.03	0.05	0.06	0.07	0.07	0.04	1
1966	Below Normal	0.00	0.00	0.00	0.72	0.36	0.01	0.04	0.05	0.07	0.07	0.07	0.05	1
1967	Wet	0.00	0.00	0.00	0.00	0.53	0.56	0.01	0.05	0.06	0.08	0.08	0.05	1
1968	Below Normal	0.00	0.62	0.11	0.00	0.00	0.02	0.04	0.05	0.07	0.08	0.07	0.05	1
1969	Wet	0.00	0.00	0.00	0.00	0.53	0.56	0.03	0.06	0.07	0.08	0.07	0.05	1
1970	Wet	0.00	0.00	0.79	0.28	0.00	0.02	0.03	0.06	0.07	0.08	0.07	0.05	1
1971	Wet	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.06	0.08	0.07	0.05	1
1972	Below Normal	0.00	0.00	0.00	0.00	0.00	0.74	0.39	0.05	0.07	0.08	0.07	0.05	1
1973	Above Normal	0.00	0.00	0.00	0.57	0.51	0.01	0.04	0.06	0.07	0.08	0.07	0.05	1
1974	Wet	0.00	0.00	0.00	0.00	0.61	0.49	0.03	0.05	0.07	0.08	0.07	0.05	1
1975	Wet	0.00	0.00	0.00	0.28	0.70	0.12	0.02	0.06	0.07	0.07	0.07	0.05	1
1976	Critical	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.06	0.07	0.08	0.06	0.05	1
1977	Critical	0.00	0.00	0.00	0.00	0.00	0.73	0.40	0.04	0.07	0.07	0.07	0.04	1
1978	Above Normal	0.00	0.00	0.00	0.41	0.00	0.02	0.03	0.05	0.07	0.08	0.07	0.05	1
1979	Below Normal	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.06	0.07	0.08	0.07	0.05	1
1980	Above Normal	0.00	0.00	0.00	0.00	0.00	0.83	0.29	0.05	0.06	0.08	0.06	0.05	1
1981	Dry	0.00	0.00	0.00	0.00	0.00	0.88	0.25	0.06	0.08	0.08	0.07	0.05	1
1982	Wet	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.06	0.07	0.07	0.05	1
1983	Wet	0.00	0.00	0.87	0.21	0.00	0.01	0.03	0.05	0.06	0.07	0.07	0.05	1
1984	Wet	0.03	0.01	0.00	0.00	0.00	0.02	0.03	0.06	0.07	0.08	0.07	0.06	0
1985	Dry	0.00	0.00	0.00	0.00	0.00	0.73	0.40	0.05	0.07	0.08	0.07	0.04	1
1986	Wet	0.00	0.00	0.00	0.00	1.08	0.02	0.03	0.05	0.07	0.08	0.07	0.04	1
1987	Dry	0.00	0.00	0.00	0.00	0.00	0.73	0.40	0.06	0.07	0.07	0.07	0.05	1
1988	Critical	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.07	0.08	0.07	0.05	1
1989	Dry	0.00	0.00	0.00	0.00	0.00	1.09	0.04	0.05	0.07	0.08	0.07	0.05	1
1990	Critical	0.00	0.00	0.00	0.00	0.00	0.73	0.40	0.05	0.07	0.08	0.07	0.05	1
1991	Critical	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.06	0.08	0.07	0.05	1
1992	Critical	0.00	0.00	0.00	0.00	0.00	0.92	0.21	0.06	0.07	0.08	0.07	0.05	1
1993	Above Normal	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.07	0.08	0.07	0.05	1
1994	Critical	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.07	0.07	0.07	0.05	1
1995	Wet	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.06	0.08	0.07	0.05	1
1996	Wet	0.00	0.00	0.80	0.27	0.00	0.02	0.04	0.05	0.07	0.08	0.07	0.05	1
1997	Wet	0.00	0.00	0.00	0.00	0.61	0.49	0.04	0.06	0.07	0.08	0.07	0.05	1
1998	Wet	0.00	0.00	0.00	0.00	0.60	0.49	0.03	0.04	0.06	0.08	0.07	0.05	1
1999	Wet	0.03	0.01	0.00	0.00	0.00	0.01	0.03	0.05	0.07	0.07	0.07	0.05	0
2000	Above Normal	0.00	0.00	0.00	0.00	0.00	0.73	0.40	0.06	0.07	0.07	0.07	0.05	1
2001	Dry	0.00	0.00	0.00	0.00	0.00	1.10	0.03	0.07	0.07	0.08	0.07	0.05	1
2002	Dry	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.07	0.08	0.07	0.05	1
2003	Above Normal	0.00	0.00	0.00	0.00	0.00	0.73	0.39	0.05	0.07	0.08	0.07	0.05	1
Average		0	0	0	0	0	1	0	0	0	0	0	0	1
Wet		0	0	0	0	0	0	0	0	0	0	0	0	1
Above Normal		0	0	0	0	0	1	0	0	0	0	0	0	1
Below Normal		0	0	0	0	0	1	0	0	0	0	0	0	1
Dry		0	0	0	0	0	1	0	0	0	0	0	0	1
Critical		0	0	0	0	0	1	0	0	0	0	0	0	1

Difference in Energy Use (GWh) At Pumping Plant at Del Valle: CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1927	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1932	Dry	0	0	0	1	-1	0	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1935	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1940	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1945	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1946	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1947	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1948	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1949	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1951	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1961	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1963	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1965	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1966	Below Norma	0	0	0	1	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	Above Norma	0	0	0	0	-1	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Below Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Dry		0	0	0	0	0	0	0	0	0	0	0	0	0
Critical		0	0	0	0	0	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at Del Valle: CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1923	Below Norma	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1924	Critical	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1925	Dry	-	-	-	0%	0%	-	0%	0%	0%	0%	0%	0%
1926	Dry	-	-	-	-	0%	-	-84%	0%	0%	0%	0%	0%
1927	Wet	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1928	Above Norma	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1929	Critical	-	-	-	-	0%	0%	0%	0%	0%	0%	0%	0%
1930	Dry	-	-	-	-	0%	0%	0%	0%	0%	0%	0%	0%
1931	Critical	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1932	Dry	-	-	-	-	-100%	0%	0%	0%	0%	0%	0%	0%
1933	Critical	-	-	-	-	0%	0%	0%	0%	0%	0%	0%	0%
1934	Critical	-	-	-100%	-	0%	0%	0%	0%	0%	0%	0%	0%
1935	Below Norma	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1936	Below Norma	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1937	Below Norma	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1938	Wet	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	-	-	0%	0%	-	-47%	-90%	0%	0%	0%	0%	0%
1940	Above Norma	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1942	Wet	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	-	-	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1944	Dry	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1945	Below Norma	-	-	0%	-	0%	-	0%	0%	0%	0%	0%	0%
1946	Below Norma	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1947	Dry	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1948	Below Norma	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1949	Dry	-	-	-	-	0%	0%	0%	0%	0%	0%	0%	0%
1950	Below Norma	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1951	Above Norma	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Norma	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1955	Dry	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1956	Wet	-	-	-	-	-8%	4%	0%	0%	0%	0%	0%	0%
1957	Above Norma	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1958	Wet	-	-	0%	0%	-3%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norma	-	-	0%	0%	0%	-	0%	0%	0%	0%	0%	0%
1960	Dry	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1961	Dry	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1962	Below Norma	-	-	0%	-	0%	49%	-91%	0%	0%	0%	0%	0%
1963	Wet	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1964	Dry	-	-	-	-	0%	0%	0%	0%	0%	0%	0%	0%
1965	Wet	-	-	0%	-	13%	-11%	0%	0%	0%	0%	0%	0%
1966	Below Norma	-	-	-	-	-41%	-97%	0%	0%	0%	0%	0%	0%
1967	Wet	-	-	0%	-	1%	-1%	0%	0%	0%	0%	0%	0%
1968	Below Norma	-	1%	-4%	-	0%	0%	0%	0%	0%	0%	0%	0%
1969	Wet	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1970	Wet	-	-	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Wet	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1972	Below Norma	-	-	-	-	0%	0%	0%	0%	0%	0%	0%	0%
1973	Above Norma	-	-	-	0%	0%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	-	-	0%	-1%	0%	2%	0%	0%	0%	0%	0%	0%
1976	Critical	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1977	Critical	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1978	Above Norma	-	-	-	0%	0%	0%	0%	0%	0%	0%	0%	0%
1979	Below Norma	-	-	-	-	0%	0%	0%	0%	0%	0%	0%	0%
1980	Above Norma	-	-	0%	-	-100%	100%	803%	0%	0%	0%	0%	0%
1981	Dry	-	-	0%	-	-98%	0%	73%	0%	0%	0%	0%	0%
1982	Wet	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	-	-	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1986	Wet	-	-	-	-	0%	0%	0%	0%	0%	0%	0%	0%
1987	Dry	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1988	Critical	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1989	Dry	-	-	-	-	0%	0%	0%	0%	0%	0%	0%	0%
1990	Critical	-	-	-	-	0%	0%	0%	0%	0%	0%	0%	0%
1991	Critical	-	-	-	-	0%	0%	0%	0%	0%	0%	0%	0%
1992	Critical	-	-	-	-	-	-16%	433%	0%	0%	0%	0%	0%
1993	Above Norma	-	-	-	-	0%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1995	Wet	-	-	-	-	0%	0%	0%	0%	0%	0%	0%	0%
1996	Wet	-	-	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1997	Wet	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1998	Wet	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	31%	-46%	-	-	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norma	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
2001	Dry	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
2002	Dry	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
2003	Above Norma	-	-	0%	-	0%	0%	0%	0%	0%	0%	0%	0%
Average		8%	-11%	-2%	0%	-4%	0%	13%	0%	0%	0%	0%	0%
Wet		1%	-2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Above Norma		0%	0%	0%	0%	-8%	8%	67%	0%	0%	0%	0%	0%
Below Norma		0%	0%	0%	0%	-3%	-3%	-6%	0%	0%	0%	0%	0%
Dry		0%	0%	0%	0%	-11%	-3%	-6%	0%	0%	0%	0%	0%
Critical		0%	0%	-8%	0%	0%	-1%	36%	0%	0%	0%	0%	0%

Energy Use (GWh) At Pumping Plant at Edmonston: CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	537.13	477.38	361.78	15.75	323.63	530.18	491.88	526.01	510.36	526.53	527.15	507.94	5,336
1923	Below Normal	473.29	439.54	432.11	471.87	455.14	526.48	524.29	541.81	510.36	545.68	521.15	451.58	5,893
1924	Critical	412.14	380.98	373.87	253.59	227.37	111.14	138.77	161.67	163.92	151.54	128.16	119.12	2,622
1925	Dry	52.36	35.20	30.89	210.92	336.23	23.82	261.93	304.35	330.20	316.14	310.89	292.45	2,505
1926	Dry	178.15	140.87	100.51	58.85	398.46	221.99	345.27	466.12	463.35	476.23	477.00	459.46	3,786
1927	Wet	425.34	395.22	387.21	231.26	455.14	530.17	515.18	525.23	510.36	525.82	526.41	507.56	5,535
1928	Above Normal	472.61	438.65	431.08	395.91	471.39	514.40	441.92	416.66	402.83	415.20	415.49	400.33	5,216
1929	Critical	366.37	338.87	331.58	247.63	218.86	112.20	249.22	311.32	325.34	297.94	250.70	234.51	3,285
1930	Dry	115.66	71.83	62.03	24.35	124.05	402.72	276.89	399.58	419.93	421.71	462.26	437.64	3,219
1931	Critical	318.19	289.90	210.16	83.19	76.98	59.16	245.47	303.50	316.20	290.29	243.72	227.66	2,664
1932	Dry	111.32	69.69	60.22	24.16	397.48	202.89	210.51	309.92	324.14	309.81	303.48	285.84	2,609
1933	Critical	172.39	134.47	96.47	54.13	151.36	321.13	204.07	301.25	314.12	316.66	345.82	326.52	2,738
1934	Critical	228.98	205.72	143.65	68.41	153.27	57.74	212.86	311.92	324.20	326.88	358.61	339.10	2,731
1935	Below Normal	238.79	216.40	151.78	61.46	70.49	436.55	395.88	549.49	510.36	553.15	553.71	532.81	4,271
1936	Below Normal	544.34	380.20	360.17	29.33	34.49	525.95	495.57	531.28	510.36	530.01	529.43	510.70	4,982
1937	Below Normal	486.13	427.07	275.11	33.17	34.86	407.49	485.98	512.90	507.52	523.64	523.43	504.31	4,722
1938	Wet	472.05	440.11	432.28	465.26	455.14	528.89	528.69	488.71	475.71	489.10	489.17	471.91	5,737
1939	Dry	436.99	404.53	426.22	471.87	430.83	428.95	411.75	415.47	402.98	414.76	414.82	399.62	5,059
1940	Above Normal	365.76	337.66	330.87	139.80	133.36	529.56	527.62	544.49	510.36	546.53	548.16	531.26	5,045
1941	Wet	517.63	488.99	483.75	414.38	455.14	527.14	527.30	544.54	510.36	548.67	548.29	522.27	6,088
1942	Wet	479.90	416.24	409.02	471.87	455.14	528.83	478.73	486.48	473.26	487.50	487.62	470.08	5,645
1943	Wet	435.54	403.05	395.81	471.87	455.14	526.39	397.98	400.53	397.65	410.91	410.71	396.21	5,102
1944	Dry	362.39	334.15	327.34	250.55	325.65	508.57	500.91	499.30	483.03	498.69	499.71	482.02	5,072
1945	Below Normal	447.37	415.57	408.04	264.17	292.88	467.13	496.60	501.89	486.92	502.00	502.62	484.79	5,270
1946	Below Normal	450.08	418.40	410.70	471.87	455.14	524.38	523.50	540.69	502.02	449.83	449.99	433.76	5,630
1947	Dry	399.17	369.22	362.12	281.42	253.17	209.18	396.59	440.03	424.37	437.29	438.39	422.77	4,433
1948	Below Normal	389.05	361.95	354.29	139.85	128.53	73.73	256.62	510.82	495.18	510.09	511.46	493.09	4,228
1949	Dry	458.10	426.78	418.54	236.20	208.55	105.87	264.31	330.16	345.63	346.67	379.58	359.83	3,880
1950	Below Normal	254.49	231.74	163.31	62.41	64.53	277.13	453.70	500.37	483.65	499.42	500.52	482.29	3,974
1951	Above Normal	448.24	417.72	410.22	463.33	455.14	528.84	479.90	487.60	474.14	487.59	487.89	470.78	5,611
1952	Wet	435.75	403.44	396.20	471.87	471.39	528.71	528.39	484.33	468.89	484.37	484.49	467.44	5,625
1953	Wet	457.64	442.76	508.19	471.87	408.58	526.07	437.73	480.77	466.55	481.90	481.57	464.90	5,629
1954	Above Normal	430.15	398.22	391.07	463.59	455.14	524.55	527.23	544.48	510.36	540.94	524.92	486.02	5,797
1955	Dry	451.20	418.27	410.88	303.60	282.35	163.68	247.43	304.54	317.11	313.41	331.32	312.51	3,856
1956	Wet	208.51	180.21	126.48	328.65	471.39	528.05	439.17	485.14	471.34	485.06	485.13	468.32	4,677
1957	Above Normal	433.49	401.89	394.90	464.81	455.14	521.22	503.04	390.91	379.65	390.10	389.90	375.86	5,101
1958	Wet	342.24	315.78	308.82	471.87	455.14	528.07	480.30	487.19	483.62	498.28	499.14	481.18	5,352
1959	Below Normal	446.74	413.39	459.22	471.87	455.14	362.76	411.50	414.32	402.70	414.45	413.99	398.87	5,065
1960	Dry	365.58	337.06	330.17	252.32	228.23	132.39	358.34	418.49	428.99	433.98	462.67	440.69	4,189
1961	Dry	347.08	317.64	263.47	138.20	208.15	314.22	307.04	409.23	422.05	426.47	458.28	435.37	4,047
1962	Below Normal	336.55	307.08	247.58	118.50	106.76	418.57	522.08	530.65	510.36	529.39	529.06	510.50	4,667
1963	Wet	486.90	453.76	441.44	458.83	455.14	522.30	523.72	545.09	510.36	526.89	520.25	494.49	5,939
1964	Dry	459.46	426.05	414.44	288.88	471.39	463.88	339.83	365.17	361.94	371.20	382.79	365.88	4,715
1965	Wet	308.99	282.10	254.86	433.81	455.14	416.14	357.02	357.63	355.72	367.63	367.56	353.62	4,310
1966	Below Normal	321.21	295.12	288.08	469.00	455.14	528.74	463.91	470.10	456.65	469.63	470.26	453.14	5,141
1967	Wet	418.85	387.25	380.07	326.66	455.14	529.65	508.39	497.75	494.13	509.63	510.29	492.10	5,510
1968	Below Normal	456.81	490.26	509.11	471.87	471.39	525.67	383.49	426.02	414.37	425.90	425.33	410.19	5,410
1969	Wet	376.30	347.33	340.35	306.24	455.14	529.64	527.69	497.99	494.33	509.31	509.87	491.85	5,386
1970	Wet	456.09	422.95	509.10	471.87	455.14	526.26	437.65	484.69	471.41	484.89	484.87	467.50	5,672
1971	Wet	432.89	400.60	393.52	471.87	455.14	523.04	526.70	543.93	510.36	548.00	483.76	525.58	5,815
1972	Below Normal	487.17	417.23	405.86	343.44	471.39	496.62	293.26	344.88	355.51	359.36	384.66	364.75	4,724
1973	Above Normal	272.01	246.81	188.17	471.87	455.14	528.58	420.07	465.55	452.78	464.77	464.95	448.24	4,879
1974	Wet	413.91	382.64	375.55	471.87	455.14	528.55	477.01	484.85	472.17	484.95	485.15	468.25	5,500
1975	Wet	433.46	400.70	393.50	471.87	455.14	527.28	482.75	495.50	482.29	495.39	495.76	478.61	5,612
1976	Critical	443.30	410.61	403.39	471.87	471.39	521.46	459.03	353.77	341.68	351.80	351.07	338.38	4,918
1977	Critical	305.89	280.83	274.18	217.58	196.11	97.46	110.97	122.86	124.41	114.77	97.47	90.03	2,033
1978	Above Normal	39.83	25.91	23.60	172.03	408.90	526.48	510.18	531.63	510.36	541.80	542.55	525.00	4,358
1979	Below Normal	510.05	479.26	467.46	154.96	443.33	461.98	463.99	472.08	458.51	471.15	471.56	455.12	5,309
1980	Above Normal	420.50	389.40	382.31	449.56	471.39	526.62	460.37	425.61	422.92	436.83	436.90	421.16	5,244
1981	Dry	387.54	357.78	350.76	464.53	455.14	526.03	427.28	432.41	421.23	432.01	431.99	416.47	5,103
1982	Wet	382.04	353.04	346.17	471.87	455.14	528.71	526.15	484.85	471.02	484.71	484.77	467.38	5,456
1983	Wet	432.89	400.33	508.19	471.87	455.14	528.71	466.15	490.67	487.98	501.68	484.62	467.61	5,696
1984	Wet	475.39	442.76	508.19	471.87	471.39	528.71	436.98	484.10	469.64	484.51	484.56	467.64	5,726
1985	Dry	432.14	400.33	393.16	464.66	455.14	521.51	523.43	466.65	443.67	395.35	388.11	471.12	5,355
1986	Wet	438.13	407.27	400.84	264.03	273.40	528.96	402.42	399.74	397.30	409.25	410.27	394.54	4,726
1987	Dry	361.09	334.54	327.01	423.41	452.57	439.87	380.78	383.36	370.63	381.02	381.69	367.71	4,604
1988	Critical	335.02	308.50	301.50	234.29	223.80	108.59	219.45	269.05	279.98	257.30	216.00	202.41	2,956
1989	Dry	96.82	61.28	52.56	22.37	30.52	116.29	492.90	535.19	510.36	535.02	535.53	517.91	3,507
1990	Critical	502.49	471.72	457.43	33.25	33.41	42.13	221.50	270.88	282.33	258.84	217.49	203.45	2,995
1991	Critical	97.35	61.96	53.52	20.28	20.67	23.60	199.01	242.89	252.15	231.94	194.97	182.65	1,581
1992	Critical	85.09	55.30	48.25	18.73	20.34	88.99	217.54	318.33	331.49	321.53	326.50	307.56	2,140
1993	Above Normal	195.70	161.78	114.29	58.29	420.33	531.19	481.39	516.04	501.09	515.70	516.63	498.59	4,511
1994	Critical	463.58	430.30	422.86	415.02	447.43	435.34	292.41	329.66	332.84	339.46	355.86	338.62	4,603
1995	Wet	266.00	241.39	200.04	143.63	455.14	534.10	511.77	504.54	500.58	516.03	517.08	498.87	4,889
1996	Wet	463.84	430.58	508.77	471.87	471.39	527.10	406.27	442.73	440.30	453.42	453.5		

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Energy Use (GWh) At Pumping Plant at Edmonston: CP4B_2020

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	537.13	477.38	361.78	15.75	323.63	530.18	491.88	526.01	510.36	526.53	527.15	507.94	5,336
1923	Below Normal	473.29	439.54	432.11	471.87	455.14	526.48	524.29	541.81	510.36	545.68	521.15	451.59	5,893
1924	Critical	412.15	380.98	373.87	253.58	227.36	111.14	138.77	161.67	163.92	151.54	128.16	119.12	2,622
1925	Dry	52.36	35.20	30.89	224.24	338.46	23.82	261.92	304.35	330.20	316.14	310.92	292.47	2,521
1926	Dry	178.18	140.91	100.53	58.85	396.20	242.04	326.39	465.90	463.14	476.01	476.77	459.24	3,784
1927	Wet	425.12	395.02	387.01	231.22	455.14	530.17	515.19	525.23	510.36	525.83	526.42	507.56	5,534
1928	Above Normal	472.63	438.66	431.10	387.24	471.39	514.61	445.42	419.86	405.98	418.44	418.74	403.49	5,228
1929	Critical	369.48	341.81	334.51	248.72	219.82	112.62	250.27	312.72	326.85	299.31	251.84	235.58	3,304
1930	Dry	116.30	72.17	62.32	24.47	149.19	400.50	277.12	399.55	419.87	421.66	462.18	437.57	3,243
1931	Critical	318.19	289.89	210.22	83.13	77.29	59.13	242.63	299.71	312.09	286.59	240.62	224.74	2,644
1932	Dry	109.60	68.75	59.42	66.86	373.48	195.07	212.53	312.31	326.91	307.87	289.84	272.72	2,595
1933	Critical	155.78	113.72	88.27	45.12	234.58	317.98	207.99	305.99	319.42	316.42	332.99	313.73	2,752
1934	Critical	209.86	180.82	126.61	64.95	164.99	56.64	211.90	310.64	322.81	325.49	357.07	337.64	2,669
1935	Below Normal	237.65	215.34	150.97	61.29	70.49	434.35	393.81	549.49	510.36	553.15	553.70	532.80	4,263
1936	Below Normal	544.34	382.03	356.98	29.29	34.40	525.90	493.81	530.68	510.36	529.24	528.58	509.76	4,975
1937	Below Normal	483.58	432.28	287.97	33.14	34.85	410.21	485.44	512.33	506.96	523.06	523.17	504.03	4,737
1938	Wet	471.30	439.41	431.57	465.18	455.14	528.89	528.69	488.66	475.66	489.05	489.12	471.87	5,735
1939	Dry	436.95	404.49	426.87	471.87	430.13	440.69	378.62	420.65	408.10	420.01	420.09	404.73	5,063
1940	Above Normal	370.79	342.40	335.59	138.12	132.23	529.97	529.53	544.04	510.36	545.95	547.51	530.57	5,057
1941	Wet	516.72	487.86	481.92	459.62	455.14	529.05	526.73	543.98	510.36	545.76	521.49	475.54	6,054
1942	Wet	440.69	408.30	401.16	471.87	455.14	528.80	478.15	485.87	472.66	486.88	486.99	469.47	5,586
1943	Wet	434.95	402.49	395.25	471.87	455.14	526.39	397.95	400.51	397.63	410.88	410.68	396.18	5,100
1944	Dry	362.36	334.12	327.31	250.56	328.17	508.44	500.47	499.06	482.79	498.45	499.46	481.78	5,073
1945	Below Normal	447.13	415.34	407.81	263.99	293.63	466.67	497.46	502.43	487.45	502.55	503.17	485.32	5,273
1946	Below Normal	450.61	418.89	411.20	471.87	455.14	524.44	523.60	540.80	508.49	451.23	451.40	435.12	5,643
1947	Dry	400.52	370.49	363.38	280.14	254.77	252.09	402.41	447.14	431.37	444.48	445.61	429.77	4,522
1948	Below Normal	395.98	368.49	360.82	133.24	122.66	71.56	259.62	510.66	495.02	509.93	511.30	492.93	4,232
1949	Dry	457.95	426.64	418.39	239.02	210.56	107.34	268.93	336.37	352.33	353.34	386.94	366.85	3,925
1950	Below Normal	259.95	236.83	167.16	63.39	65.82	238.19	455.03	501.75	485.01	500.82	501.92	483.65	3,960
1951	Above Normal	449.59	418.99	411.49	463.51	455.14	528.84	479.91	487.61	474.15	487.60	487.90	470.79	5,616
1952	Wet	435.76	403.44	396.21	471.87	471.39	528.71	528.39	484.33	468.89	484.37	484.49	467.44	5,625
1953	Wet	457.64	442.76	508.19	471.87	408.58	526.07	435.49	480.77	466.55	481.90	481.57	464.90	5,626
1954	Above Normal	430.15	398.22	391.07	463.62	455.14	524.55	527.22	544.48	510.36	540.47	523.55	485.97	5,795
1955	Dry	451.17	418.23	410.85	303.69	282.43	164.70	244.92	300.26	312.27	314.42	345.75	326.89	3,876
1956	Wet	229.45	207.24	144.98	328.81	471.39	527.97	439.15	485.10	471.24	484.98	485.05	468.25	4,744
1957	Above Normal	433.46	401.94	394.99	464.82	455.14	521.23	503.21	390.96	379.70	390.16	389.96	375.92	5,101
1958	Wet	342.30	315.83	308.87	471.87	455.14	528.07	480.34	487.25	483.67	498.33	499.19	481.23	5,352
1959	Below Normal	446.79	413.44	458.52	471.87	455.14	362.76	411.49	414.32	402.70	414.45	413.99	398.87	5,064
1960	Dry	365.58	337.06	330.17	252.33	228.23	132.57	358.90	418.60	428.91	433.97	462.44	440.50	4,189
1961	Dry	347.41	317.95	264.22	139.08	214.75	323.56	306.88	409.17	422.03	426.43	458.28	435.37	4,065
1962	Below Normal	336.45	306.98	247.38	116.54	105.78	256.15	478.66	525.72	509.96	524.77	524.07	505.20	4,438
1963	Wet	475.41	443.58	435.80	450.92	455.14	522.90	524.48	544.92	510.36	511.55	511.51	493.64	5,880
1964	Dry	458.58	425.23	417.61	322.61	471.39	500.19	363.94	357.32	349.75	359.82	365.62	350.46	4,743
1965	Wet	305.76	279.91	282.75	442.68	455.14	416.27	357.14	357.76	355.84	367.75	367.69	353.74	4,322
1966	Below Normal	321.33	295.24	288.20	471.87	455.14	528.71	426.62	469.30	455.87	468.82	469.45	452.36	5,103
1967	Wet	418.08	386.51	379.34	342.77	455.14	526.60	506.93	496.21	492.63	508.09	508.73	490.59	5,515
1968	Below Normal	455.33	488.84	509.06	471.87	471.39	525.67	383.49	426.02	414.37	425.90	425.33	410.19	5,407
1969	Wet	376.30	347.33	340.35	307.12	455.14	529.64	527.65	497.91	494.24	509.22	509.78	491.77	5,386
1970	Wet	456.00	422.87	509.10	471.87	455.14	526.26	437.65	484.69	471.41	484.89	484.87	467.50	5,672
1971	Wet	432.89	400.60	393.52	471.87	455.14	523.05	526.70	543.93	510.36	548.00	483.74	525.62	5,815
1972	Below Normal	487.17	417.22	405.84	343.49	471.39	501.32	288.17	344.72	355.49	359.28	384.71	364.78	4,724
1973	Above Normal	271.68	246.50	187.53	471.87	455.14	528.58	420.15	465.64	452.87	464.86	465.04	448.32	4,878
1974	Wet	413.99	382.71	375.63	471.87	455.14	528.55	477.01	484.85	472.17	484.95	485.15	468.25	5,500
1975	Wet	433.46	400.70	393.50	471.87	455.14	527.28	482.75	495.50	482.29	495.39	495.76	478.61	5,612
1976	Critical	443.30	410.61	403.39	471.87	471.39	521.46	459.13	353.87	341.79	351.91	351.19	338.49	4,918
1977	Critical	306.00	280.93	274.28	217.62	196.15	97.47	110.96	122.84	124.39	114.75	97.46	90.01	2,033
1978	Above Normal	39.82	25.90	23.60	171.85	407.64	526.48	510.19	529.41	510.36	541.82	542.57	525.02	4,355
1979	Below Normal	510.08	479.29	467.52	155.53	443.53	462.53	463.97	472.06	458.48	471.13	471.54	455.10	5,311
1980	Above Normal	420.48	389.38	382.29	449.13	471.39	526.59	459.67	426.08	423.37	437.30	437.37	421.62	5,245
1981	Dry	388.00	358.21	351.19	464.46	455.14	526.03	427.33	432.46	421.28	432.06	432.05	416.52	5,105
1982	Wet	382.09	353.09	346.22	471.87	455.14	528.71	526.15	484.85	471.02	484.71	484.77	467.38	5,456
1983	Wet	432.89	400.33	508.19	471.87	455.14	528.71	466.15	490.67	487.98	501.68	484.62	467.61	5,696
1984	Wet	475.39	442.76	508.19	471.87	471.39	528.71	436.98	484.10	469.64	484.51	484.56	467.64	5,726
1985	Dry	432.14	400.33	393.16	464.66	455.14	521.51	523.00	455.68	437.92	400.97	362.70	467.34	5,315
1986	Wet	434.48	403.89	397.54	261.37	261.89	528.96	411.32	399.73	397.30	409.24	410.27	394.53	4,711
1987	Dry	361.08	334.53	327.01	427.60	453.60	443.94	382.91	385.58	372.83	383.28	383.96	369.90	4,626
1988	Critical	337.18	310.52	303.51	235.84	225.19	109.09	219.45	269.04	279.98	257.29	216.00	202.41	2,966
1989	Dry	96.82	61.28	52.56	22.36	30.17	92.57	492.94	535.24	510.36	535.08	535.60	518.00	3,483
1990	Critical	502.59	471.84	412.64	29.79	30.70	41.86	224.98	275.53	287.37	263.37	221.27	207.03	2,969
1991	Critical	99.46	63.08	54.44	20.63	21.04	24.17	206.81	253.30	263.41	242.09	203.46	190.66	1,643
1992	Critical	89.81	57.84	50.41	19.42	20.92	33.59	253.51	315.85	328.68	322.78	337.04	317.91	2,148
1993	Above Normal	209.93	180.11	126.93	59.91	418.63	531.30	482.61	516.23	501.22	515.84	516.78	498.74	4,558
1994	Critical	463.76	430.55	423.15	414.92	447.41	435.26	292.37	329.67	332.86	339.47	355.89	338.65	4,604
1995	Wet	265.99	241.37	199.99	143.58	455.14	529.41	516.01	504.46	500.50	515.95	517.00	498.78	4,888
1996	Wet	463.76	430.50	508.76	471.87	471.39	527.10	406.27	442.73	440.30	453.42			

Difference in Energy Use (GWh) At Pumping Plant at Edmonston: CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	13	2	0	0	0	0	0	0	0	1
1926	Dry	0	0	0	0	-2	20	-19	0	0	0	0	0	0
1927	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	-9	0	0	3	3	3	3	3	3	1
1929	Critical	3	3	3	1	1	0	1	1	2	1	1	1	2
1930	Dry	1	0	0	0	25	-2	0	0	0	0	0	0	2
1931	Critical	0	0	0	0	0	0	-3	-4	-4	-4	-3	-3	-2
1932	Dry	-2	-1	-1	43	-24	-8	2	2	3	-2	-14	-13	-1
1933	Critical	-17	-21	-8	-9	83	-3	4	5	5	0	-13	-13	1
1934	Critical	-19	-25	-17	-3	12	-1	-1	-1	-1	-1	-2	-1	-5
1935	Below Norma	-1	-1	-1	0	0	-2	-2	0	0	0	0	0	-1
1936	Below Norma	0	2	-3	0	0	0	-2	-1	0	-1	-1	-1	-1
1937	Below Norma	-3	5	13	0	0	3	-1	-1	-1	-1	0	0	1
1938	Wet	-1	-1	-1	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	1	0	-1	12	-33	5	5	5	5	5	0
1940	Above Norma	5	5	5	-2	-1	0	2	0	0	-1	-1	-1	1
1941	Wet	-1	-1	-2	45	0	2	-1	-1	0	-3	-27	-47	-3
1942	Wet	-39	-8	-8	0	0	0	-1	-1	-1	-1	-1	-1	-5
1943	Wet	-1	-1	-1	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	3	0	0	0	0	0	0	0	0
1945	Below Norma	0	0	0	0	1	0	1	1	1	1	1	1	0
1946	Below Norma	1	0	0	0	0	0	0	0	6	1	1	1	1
1947	Dry	1	1	1	-1	2	43	7	7	7	7	7	7	7
1948	Below Norma	7	7	7	-7	-6	-2	0	0	0	0	0	0	0
1949	Dry	0	0	0	3	2	1	5	6	7	7	7	7	4
1950	Below Norma	5	5	4	1	1	-39	1	1	1	1	1	1	-1
1951	Above Norma	1	1	1	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	-2	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	-1	0	0
1955	Dry	0	0	0	0	0	1	-3	-4	-5	1	14	14	2
1956	Wet	21	27	19	0	0	0	0	0	0	0	0	0	6
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	-1	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	1	0	0	0	0	0	0
1961	Dry	0	0	1	1	7	9	0	0	0	0	0	0	1
1962	Below Norma	0	0	0	-2	-1	-162	-43	-5	0	-5	-5	-5	-19
1963	Wet	-11	-10	-6	-8	0	1	1	0	0	-15	-9	-1	-5
1964	Dry	-1	-1	-1	34	0	36	24	-8	-12	-11	-17	-15	2
1965	Wet	-3	-2	8	9	0	0	0	0	0	0	0	0	1
1966	Below Norma	0	0	0	3	0	0	-37	-1	-1	-1	-1	-1	-3
1967	Wet	-1	-1	-1	16	0	0	-1	-2	-1	-2	-2	-2	0
1968	Below Norma	-1	-1	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	1	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	5	-5	0	0	0	0	0	0
1973	Above Norma	0	0	-1	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Norma	0	0	0	0	-1	0	0	-2	0	0	0	0	0
1979	Below Norma	0	0	0	1	0	1	0	0	0	0	0	0	0
1980	Above Norma	0	0	0	0	0	0	-1	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	-11	-6	6	-25	-4	-3
1986	Wet	-4	-3	-3	-3	-12	0	9	0	0	0	0	0	-1
1987	Dry	0	0	0	4	1	4	2	2	2	2	2	2	2
1988	Critical	2	2	2	2	1	0	0	0	0	0	0	0	1
1989	Dry	0	0	0	0	0	-24	0	0	0	0	0	0	-2
1990	Critical	0	0	-45	-3	-3	0	3	5	5	5	4	4	-2
1991	Critical	2	1	1	0	0	1	8	10	11	10	8	8	5
1992	Critical	5	3	2	1	1	-55	36	-2	-3	1	11	10	1
1993	Above Norma	14	18	13	2	-2	0	1	0	0	0	0	0	4
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	0	0	0	0	0	-5	4	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	Above Norma	0	0	0	2	0	1	0	0	0	0	0	0	0
Average		0	0	0	2	1	-2	0	0	0	0	-1	-1	0
Wet		-2	0	0	2	0	0	0	0	0	-1	-1	-2	0
Above Norma		2	2	2	-1	0	0	0	0	0	0	0	0	1
Below Norma		1	1	1	0	0	-14	-6	0	0	0	0	0	-2
Dry		0	0	0	5	1	5	-1	0	0	1	-1	0	1
Critical		-2	-3	-5	-1	8	-5	4	1	1	1	1	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at Edmonston: CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1923	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1924	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1925	Dry	0%	0%	0%	6%	1%	0%	0%	0%	0%	0%	0%	0%
1926	Dry	0%	0%	0%	0%	-1%	9%	-5%	0%	0%	0%	0%	0%
1927	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1928	Above Norma	0%	0%	0%	-2%	0%	0%	1%	1%	1%	1%	1%	1%
1929	Critical	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1930	Dry	1%	0%	0%	1%	20%	-1%	0%	0%	0%	0%	0%	0%
1931	Critical	0%	0%	0%	0%	0%	0%	-1%	-1%	-1%	-1%	-1%	-1%
1932	Dry	-2%	-1%	-1%	177%	-6%	-4%	1%	1%	1%	-1%	-4%	-5%
1933	Critical	-10%	-15%	-9%	-17%	55%	-1%	2%	2%	0%	0%	-4%	-4%
1934	Critical	-8%	-12%	-12%	-5%	8%	-2%	0%	0%	0%	0%	0%	0%
1935	Below Norma	0%	0%	-1%	0%	0%	-1%	-1%	0%	0%	0%	0%	0%
1936	Below Norma	0%	0%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1937	Below Norma	-1%	1%	5%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1938	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	0%	3%	-8%	1%	1%	1%	1%	1%
1940	Above Norma	1%	1%	1%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	11%	0%	0%	0%	0%	0%	-1%	-5%	-9%
1942	Wet	-8%	-2%	-2%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1944	Dry	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%
1945	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1946	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%
1947	Dry	0%	0%	0%	0%	1%	21%	2%	2%	2%	2%	2%	2%
1948	Below Norma	2%	2%	2%	-5%	-5%	-3%	0%	0%	0%	0%	0%	0%
1949	Dry	0%	0%	0%	1%	1%	1%	2%	2%	2%	2%	2%	2%
1950	Below Norma	2%	2%	2%	2%	2%	-14%	0%	0%	0%	0%	0%	0%
1951	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%
1954	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1955	Dry	0%	0%	0%	0%	0%	1%	-1%	-1%	-2%	0%	4%	5%
1956	Wet	10%	15%	15%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1958	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1960	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1961	Dry	0%	0%	0%	1%	3%	3%	0%	0%	0%	0%	0%	0%
1962	Below Norma	0%	0%	0%	-2%	-1%	-39%	-8%	-1%	0%	-1%	-1%	-1%
1963	Wet	-2%	-2%	-1%	-2%	0%	0%	0%	0%	0%	-3%	-2%	0%
1964	Dry	0%	0%	0%	12%	0%	8%	7%	-2%	-3%	-3%	-4%	-4%
1965	Wet	-1%	-1%	3%	2%	0%	0%	0%	0%	0%	0%	0%	0%
1966	Below Norma	0%	0%	0%	1%	0%	0%	-8%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	0%	5%	0%	0%	0%	0%	0%	0%	0%	0%
1968	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1969	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1972	Below Norma	0%	0%	0%	0%	0%	1%	-2%	0%	0%	0%	0%	0%
1973	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1977	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1978	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1979	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1980	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1982	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	0%	-2%	-1%	1%	-7%	-1%
1986	Wet	-1%	-1%	-1%	-1%	-4%	0%	2%	0%	0%	0%	0%	0%
1987	Dry	0%	0%	0%	1%	0%	1%	1%	1%	1%	1%	1%	1%
1988	Critical	1%	1%	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%
1989	Dry	0%	0%	0%	0%	-1%	-20%	0%	0%	0%	0%	0%	0%
1990	Critical	0%	0%	-10%	-10%	-8%	-1%	2%	2%	2%	2%	2%	2%
1991	Critical	2%	2%	2%	2%	2%	2%	4%	4%	4%	4%	4%	4%
1992	Critical	6%	5%	4%	4%	3%	-62%	17%	-1%	-1%	0%	3%	3%
1993	Above Norma	7%	11%	11%	3%	0%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1995	Wet	0%	0%	0%	0%	0%	-1%	1%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1998	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2001	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2002	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2003	Above Norma	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%
Average		0%	0%	0%	2%	1%	-1%	0%	0%	0%	0%	0%	0%
Wet		0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%
Above Norma		1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Below Norma		0%	0%	1%	0%	0%	-4%	-1%	0%	0%	0%	0%	0%
Dry		0%	0%	0%	11%	1%	1%	0%	0%	0%	0%	0%	0%
Critical		-1%	-2%	-2%	-2%	5%	-5%	2%	0%	0%	0%	0%	0%

Energy Use (GWh) At Pumping Plant at Las Perillas: CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	0.72	0.53	0.51	0.17	0.39	0.96	1.09	1.36	1.68	1.73	1.50	1.12	12
1923	Below Normal	0.76	0.65	0.54	0.54	0.53	0.84	0.99	1.25	1.54	1.60	1.38	1.02	12
1924	Critical	0.69	0.59	0.48	0.05	0.05	0.08	0.16	0.19	0.40	0.42	0.38	0.16	4
1925	Dry	0.09	0.08	0.11	0.13	0.14	0.19	0.47	0.63	0.94	0.99	0.89	0.55	5
1926	Dry	0.27	0.22	0.25	0.09	0.25	0.51	0.68	1.17	1.45	1.50	1.29	0.97	9
1927	Wet	0.66	0.56	0.46	0.15	0.47	0.96	1.09	1.36	1.68	1.74	1.50	1.12	12
1928	Above Normal	0.77	0.66	0.54	0.28	0.42	0.59	0.87	1.08	1.34	1.38	1.20	0.89	10
1929	Critical	0.61	0.52	0.42	0.08	0.08	0.15	0.33	0.39	0.83	0.87	0.80	0.34	5
1930	Dry	0.19	0.17	0.25	0.07	0.24	0.31	0.59	1.10	1.32	1.40	1.24	0.95	8
1931	Critical	0.45	0.33	0.32	0.07	0.09	0.14	0.32	0.38	0.81	0.84	0.77	0.34	5
1932	Dry	0.18	0.17	0.24	0.08	0.23	0.27	0.38	0.60	0.92	0.97	0.87	0.53	5
1933	Critical	0.26	0.20	0.24	0.08	0.22	0.27	0.43	0.80	0.97	1.03	0.92	0.69	6
1934	Critical	0.32	0.24	0.23	0.09	0.19	0.19	0.45	0.84	1.01	1.07	0.95	0.73	6
1935	Below Normal	0.34	0.25	0.24	0.05	0.13	0.29	0.83	1.52	1.87	1.94	1.68	1.26	10
1936	Below Normal	0.87	0.75	0.62	0.04	0.09	0.92	1.08	1.34	1.65	1.71	1.48	1.11	12
1937	Below Normal	0.76	0.66	0.54	0.05	0.10	0.52	1.04	1.29	1.59	1.64	1.43	1.07	11
1938	Wet	0.73	0.63	0.52	0.46	0.53	0.92	1.12	1.31	1.62	1.68	1.45	1.08	12
1939	Dry	0.73	0.62	0.51	0.59	0.48	0.72	0.89	1.11	1.38	1.43	1.23	0.92	11
1940	Above Normal	0.62	0.53	0.43	0.03	0.09	0.93	1.14	1.42	1.74	1.80	1.56	1.17	11
1941	Wet	0.81	0.69	0.57	0.30	0.54	0.86	1.06	1.33	1.64	1.70	1.47	1.09	12
1942	Wet	0.74	0.63	0.52	0.49	0.61	0.92	1.04	1.31	1.62	1.67	1.45	1.08	12
1943	Wet	0.73	0.62	0.51	0.58	0.61	0.82	0.96	1.11	1.37	1.42	1.23	0.91	11
1944	Dry	0.61	0.52	0.42	0.15	0.24	0.75	1.00	1.25	1.54	1.59	1.38	1.03	10
1945	Below Normal	0.70	0.60	0.49	0.13	0.14	0.71	1.00	1.25	1.54	1.59	1.38	1.03	11
1946	Below Normal	0.71	0.61	0.50	0.52	0.53	0.75	0.97	1.21	1.50	1.55	1.34	0.99	11
1947	Dry	0.67	0.57	0.47	0.11	0.10	0.20	0.85	1.06	1.30	1.35	1.17	0.87	9
1948	Below Normal	0.60	0.51	0.42	0.04	0.05	0.08	0.38	1.26	1.55	1.60	1.39	1.05	9
1949	Dry	0.72	0.62	0.51	0.08	0.08	0.11	0.48	0.89	1.07	1.13	1.01	0.77	7
1950	Below Normal	0.36	0.27	0.26	0.05	0.11	0.34	0.98	1.22	1.50	1.55	1.34	1.01	9
1951	Above Normal	0.69	0.59	0.49	0.48	0.61	0.92	1.05	1.31	1.62	1.67	1.45	1.08	12
1952	Wet	0.73	0.62	0.51	0.54	0.53	0.91	1.12	1.38	1.61	1.67	1.44	1.07	12
1953	Wet	0.72	0.69	0.58	0.62	0.53	0.81	1.03	1.29	1.60	1.65	1.43	1.06	12
1954	Above Normal	0.72	0.61	0.50	0.41	0.46	0.76	1.07	1.34	1.65	1.71	1.48	1.10	12
1955	Dry	0.75	0.64	0.52	0.10	0.15	0.19	0.39	0.73	0.96	1.01	0.90	0.64	7
1956	Wet	0.30	0.23	0.23	0.49	0.61	0.92	1.04	1.31	1.62	1.67	1.45	1.08	11
1957	Above Normal	0.73	0.62	0.51	0.41	0.44	0.63	0.83	1.04	1.29	1.33	1.15	0.85	10
1958	Wet	0.58	0.49	0.40	0.47	0.57	0.89	1.14	1.33	1.64	1.70	1.47	1.09	12
1959	Below Normal	0.74	0.63	0.52	0.57	0.54	0.77	0.89	1.11	1.38	1.42	1.23	0.91	11
1960	Dry	0.62	0.53	0.43	0.04	0.05	0.18	0.70	1.10	1.33	1.39	1.23	0.94	9
1961	Dry	0.51	0.41	0.37	0.09	0.19	0.29	0.66	1.09	1.31	1.38	1.22	0.93	8
1962	Below Normal	0.49	0.38	0.35	0.06	0.06	0.65	1.08	1.34	1.65	1.70	1.48	1.11	10
1963	Wet	0.76	0.66	0.54	0.41	0.49	0.67	0.97	1.36	1.68	1.73	1.50	1.12	12
1964	Dry	0.76	0.65	0.53	0.18	0.45	0.44	0.69	0.97	1.19	1.24	1.08	0.81	9
1965	Wet	0.49	0.40	0.34	0.47	0.60	0.69	0.87	0.99	1.23	1.27	1.10	0.82	9
1966	Below Normal	0.55	0.47	0.38	0.53	0.60	0.92	1.01	1.26	1.56	1.62	1.40	1.04	11
1967	Wet	0.70	0.60	0.49	0.23	0.62	0.94	1.07	1.41	1.65	1.71	1.48	1.10	12
1968	Below Normal	0.75	0.72	0.60	0.62	0.60	0.79	0.92	1.15	1.42	1.47	1.27	0.94	11
1969	Wet	0.64	0.54	0.44	0.23	0.62	0.94	1.15	1.38	1.65	1.71	1.48	1.10	12
1970	Wet	0.75	0.64	0.60	0.61	0.60	0.82	1.04	1.30	1.61	1.66	1.44	1.07	12
1971	Wet	0.72	0.62	0.50	0.51	0.53	0.70	1.06	1.32	1.64	1.69	1.46	1.09	12
1972	Below Normal	0.74	0.63	0.51	0.23	0.39	0.56	0.58	0.99	1.20	1.26	1.12	0.85	9
1973	Above Normal	0.42	0.32	0.30	0.49	0.57	0.92	0.99	1.24	1.54	1.59	1.37	1.02	11
1974	Wet	0.69	0.59	0.48	0.54	0.60	0.91	1.04	1.30	1.61	1.67	1.44	1.07	12
1975	Wet	0.72	0.62	0.50	0.49	0.56	0.86	1.06	1.32	1.63	1.69	1.46	1.09	12
1976	Critical	0.74	0.63	0.51	0.46	0.42	0.64	0.75	0.94	1.16	1.21	1.04	0.77	9
1977	Critical	0.52	0.44	0.36	0.04	0.04	0.06	0.11	0.14	0.29	0.30	0.28	0.12	3
1978	Above Normal	0.06	0.06	0.08	0.12	0.36	0.81	1.21	1.48	1.73	1.79	1.55	1.17	10
1979	Below Normal	0.80	0.68	0.56	0.18	0.39	0.71	0.97	1.21	1.50	1.55	1.34	1.00	11
1980	Above Normal	0.68	0.58	0.48	0.38	0.42	0.83	1.00	1.16	1.43	1.48	1.28	0.95	11
1981	Dry	0.65	0.55	0.45	0.46	0.48	0.81	0.92	1.15	1.43	1.48	1.28	0.95	11
1982	Wet	0.64	0.55	0.45	0.54	0.53	0.91	1.04	1.30	1.61	1.67	1.44	1.07	12
1983	Wet	0.72	0.62	0.58	0.62	0.60	0.91	1.12	1.38	1.69	1.74	1.44	1.07	12
1984	Wet	0.80	0.69	0.58	0.62	0.60	0.91	1.04	1.30	1.61	1.67	1.44	1.07	12
1985	Dry	0.72	0.62	0.50	0.41	0.39	0.64	0.96	1.20	1.49	1.54	1.33	0.99	11
1986	Wet	0.67	0.58	0.47	0.05	0.09	0.91	0.90	1.03	1.26	1.31	1.13	0.85	9
1987	Dry	0.58	0.50	0.41	0.37	0.39	0.58	0.81	1.01	1.25	1.29	1.12	0.83	9
1988	Critical	0.56	0.48	0.39	0.08	0.14	0.14	0.28	0.33	0.70	0.74	0.68	0.29	5
1989	Dry	0.15	0.14	0.20	0.09	0.11	0.24	1.07	1.32	1.63	1.68	1.46	1.10	9
1990	Critical	0.75	0.65	0.53	0.04	0.05	0.11	0.29	0.34	0.72	0.75	0.69	0.30	5
1991	Critical	0.17	0.15	0.22	0.03	0.03	0.05	0.26	0.31	0.65	0.68	0.62	0.27	3
1992	Critical	0.15	0.14	0.20	0.04	0.04	0.22	0.42	0.69	0.96	1.02	0.91	0.60	5
1993	Above Normal	0.29	0.23	0.26	0.07	0.48	0.96	1.09	1.36	1.68	1.73	1.50	1.12	11
1994	Critical	0.77	0.66	0.54	0.38	0.37	0.64	0.61	0.94	1.15	1.21	1.06	0.80	9
1995	Wet	0.44	0.35	0.30	0.06	0.56	0.86	1.09	1.36	1.68	1.74	1.51	1.13	11
1996	Wet	0.77	0.66	0.62	0.62	0.60	0.85	0.94	1.22	1.51	1.56	1.35	1.00	12
1997	Wet	0.68	0.58	0.47	0.54	0.60	0.72	0.75	0.94	1.17	1.21	1.05	0.77	9
1998	Wet	0.52	0.44	0.36	0.47	0.61	0.92	1.12	1.31	1.62	1.68	1.45	1.08	12
1999	Wet	0.73	0.70	0.58	0.62	0.54	0.92	0.97	1.22	1.51	1.56	1.35	1.00	12
2000	Above Normal	0.68	0.58	0.47	0.19	0.46	0.95	1.08	1.35	1.67	1.72	1.49	1.11	12
2001	Dry	0.76	0.65	0.53	0.09	0.10	0.30	0.51	0.95	1.14	1.21	1.08	0.82	8
2002	Dry	0.38	0.28	0.27	0.17	0.37	0.23	0.77	0.98	1.21	1.26	1.09	0.81	8
2003	Above Normal	0.54	0.46	0.38	0.33	0.45	0.49	0.93	1.41	1.74	1.80	1.55	1.16	11
Average		1	1	0	0	0	1	1	1	1	1	1	1	10
Wet		1	1	0	0	1	1	1	1	2	2	1	1	12
Above Normal		1	0	0	0	0	1	1	1	2	2	1	1	11
Below Normal		1	1	0	0	0	1	1	1	2	2	1	1	11
Dry		1	0	0	0	0	0	1	1	1	1	1	1	9
Critical		0	0	0	0	0	0	0	1	1	1	1	0	6

Energy Use (GWh) At Pumping Plant at Las Perillas: CP4B_2020

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	0.72	0.53	0.51	0.17	0.39	0.96	1.09	1.36	1.68	1.73	1.50	1.12	12
1923	Below Normal	0.76	0.65	0.54	0.54	0.53	0.84	0.99	1.25	1.54	1.60	1.38	1.02	12
1924	Critical	0.69	0.59	0.48	0.05	0.05	0.08	0.16	0.19	0.40	0.42	0.38	0.16	4
1925	Dry	0.09	0.08	0.11	0.13	0.14	0.19	0.47	0.63	0.94	0.99	0.89	0.55	5
1926	Dry	0.27	0.22	0.25	0.09	0.25	0.51	0.68	1.17	1.45	1.49	1.29	0.97	9
1927	Wet	0.66	0.56	0.46	0.15	0.40	0.96	1.09	1.36	1.68	1.74	1.50	1.12	12
1928	Above Normal	0.77	0.66	0.54	0.27	0.42	0.59	0.87	1.09	1.35	1.39	1.21	0.90	10
1929	Critical	0.61	0.52	0.43	0.08	0.08	0.15	0.33	0.39	0.83	0.87	0.80	0.35	5
1930	Dry	0.19	0.17	0.25	0.07	0.24	0.31	0.59	1.10	1.32	1.40	1.24	0.95	8
1931	Critical	0.45	0.33	0.32	0.07	0.09	0.14	0.32	0.38	0.79	0.83	0.76	0.33	5
1932	Dry	0.18	0.16	0.24	0.08	0.23	0.26	0.37	0.54	0.90	0.95	0.86	0.47	5
1933	Critical	0.24	0.19	0.24	0.08	0.22	0.26	0.41	0.73	0.96	1.01	0.91	0.64	6
1934	Critical	0.30	0.23	0.24	0.09	0.19	0.19	0.44	0.83	1.00	1.06	0.95	0.72	6
1935	Below Normal	0.33	0.25	0.24	0.05	0.13	0.29	0.83	1.51	1.86	1.92	1.67	1.26	10
1936	Below Normal	0.86	0.74	0.61	0.04	0.09	0.92	1.08	1.34	1.65	1.70	1.48	1.11	12
1937	Below Normal	0.76	0.65	0.54	0.05	0.10	0.52	1.04	1.29	1.59	1.64	1.42	1.07	11
1938	Wet	0.73	0.63	0.52	0.46	0.53	0.92	1.12	1.31	1.62	1.68	1.45	1.08	12
1939	Dry	0.73	0.62	0.51	0.59	0.48	0.73	0.90	1.13	1.40	1.44	1.25	0.93	11
1940	Above Normal	0.63	0.53	0.43	0.03	0.10	0.95	1.14	1.41	1.74	1.80	1.56	1.17	11
1941	Wet	0.80	0.69	0.57	0.39	0.54	0.93	1.05	1.32	1.63	1.69	1.46	1.09	12
1942	Wet	0.74	0.63	0.51	0.50	0.61	0.92	1.04	1.31	1.62	1.67	1.45	1.07	12
1943	Wet	0.73	0.62	0.51	0.58	0.61	0.82	0.96	1.11	1.37	1.42	1.23	0.91	11
1944	Dry	0.61	0.52	0.42	0.15	0.24	0.75	1.00	1.25	1.54	1.59	1.38	1.03	10
1945	Below Normal	0.70	0.60	0.49	0.13	0.14	0.71	1.00	1.25	1.54	1.59	1.38	1.03	11
1946	Below Normal	0.71	0.61	0.50	0.52	0.53	0.76	0.97	1.21	1.50	1.55	1.34	1.00	11
1947	Dry	0.67	0.57	0.47	0.12	0.11	0.28	0.86	1.08	1.32	1.37	1.19	0.89	9
1948	Below Normal	0.61	0.52	0.43	0.04	0.05	0.08	0.38	1.26	1.55	1.60	1.39	1.05	9
1949	Dry	0.72	0.62	0.51	0.08	0.07	0.12	0.49	0.91	1.09	1.16	1.03	0.79	8
1950	Below Normal	0.37	0.27	0.26	0.05	0.11	0.34	0.98	1.22	1.50	1.55	1.35	1.01	9
1951	Above Normal	0.69	0.60	0.49	0.48	0.61	0.92	1.05	1.31	1.62	1.67	1.45	1.08	12
1952	Wet	0.73	0.62	0.51	0.54	0.53	0.91	1.12	1.30	1.61	1.67	1.44	1.07	12
1953	Wet	0.72	0.69	0.58	0.62	0.53	0.81	1.03	1.29	1.60	1.65	1.43	1.06	12
1954	Above Normal	0.72	0.61	0.50	0.41	0.46	0.76	1.07	1.34	1.65	1.71	1.48	1.10	12
1955	Dry	0.75	0.64	0.52	0.10	0.15	0.19	0.40	0.81	0.97	1.03	0.92	0.70	7
1956	Wet	0.32	0.24	0.23	0.48	0.61	0.92	1.05	1.31	1.62	1.67	1.45	1.08	11
1957	Above Normal	0.73	0.62	0.51	0.41	0.44	0.63	0.83	1.04	1.29	1.33	1.15	0.85	10
1958	Wet	0.58	0.49	0.40	0.47	0.57	0.89	1.14	1.33	1.64	1.70	1.47	1.09	12
1959	Below Normal	0.74	0.63	0.52	0.57	0.54	0.77	0.89	1.11	1.38	1.42	1.23	0.91	11
1960	Dry	0.62	0.53	0.43	0.04	0.05	0.18	0.70	1.10	1.33	1.39	1.23	0.94	9
1961	Dry	0.51	0.41	0.37	0.09	0.20	0.29	0.66	1.09	1.31	1.38	1.22	0.93	8
1962	Below Normal	0.49	0.38	0.35	0.05	0.05	0.42	1.04	1.29	1.59	1.64	1.43	1.07	10
1963	Wet	0.74	0.63	0.52	0.40	0.48	0.70	0.99	1.35	1.67	1.73	1.50	1.12	12
1964	Dry	0.76	0.65	0.53	0.22	0.46	0.51	0.71	0.94	1.16	1.20	1.04	0.78	9
1965	Wet	0.50	0.42	0.34	0.46	0.60	0.69	0.87	0.99	1.23	1.28	1.10	0.82	9
1966	Below Normal	0.55	0.47	0.38	0.62	0.60	0.91	1.01	1.26	1.56	1.62	1.40	1.04	11
1967	Wet	0.70	0.60	0.49	0.24	0.62	0.94	1.07	1.33	1.65	1.70	1.48	1.10	12
1968	Below Normal	0.75	0.71	0.60	0.62	0.60	0.79	0.92	1.15	1.42	1.47	1.27	0.94	11
1969	Wet	0.64	0.54	0.44	0.23	0.62	0.94	1.15	1.38	1.65	1.71	1.48	1.10	12
1970	Wet	0.75	0.64	0.60	0.61	0.60	0.82	1.04	1.30	1.61	1.66	1.44	1.07	12
1971	Wet	0.72	0.62	0.50	0.51	0.53	0.70	1.06	1.32	1.64	1.69	1.46	1.09	12
1972	Below Normal	0.74	0.63	0.51	0.24	0.39	0.56	0.57	0.99	1.20	1.28	1.12	0.85	9
1973	Above Normal	0.42	0.32	0.30	0.48	0.57	0.92	0.99	1.24	1.54	1.59	1.37	1.02	11
1974	Wet	0.69	0.59	0.48	0.54	0.60	0.91	1.04	1.30	1.61	1.67	1.44	1.07	12
1975	Wet	0.72	0.62	0.50	0.49	0.56	0.86	1.06	1.32	1.63	1.69	1.46	1.09	12
1976	Critical	0.74	0.63	0.51	0.46	0.42	0.64	0.75	0.94	1.17	1.21	1.04	0.77	9
1977	Critical	0.52	0.44	0.36	0.04	0.04	0.06	0.11	0.14	0.29	0.30	0.28	0.12	3
1978	Above Normal	0.06	0.06	0.08	0.12	0.36	0.81	1.21	1.41	1.73	1.79	1.55	1.17	10
1979	Below Normal	0.80	0.68	0.56	0.18	0.39	0.71	0.97	1.21	1.50	1.55	1.34	1.00	11
1980	Above Normal	0.68	0.58	0.48	0.38	0.41	0.83	1.00	1.16	1.43	1.48	1.28	0.96	11
1981	Dry	0.65	0.55	0.45	0.46	0.48	0.81	0.92	1.15	1.43	1.48	1.28	0.95	11
1982	Wet	0.64	0.55	0.45	0.54	0.53	0.91	1.04	1.30	1.61	1.67	1.44	1.07	12
1983	Wet	0.72	0.62	0.58	0.62	0.60	0.91	1.12	1.38	1.69	1.74	1.44	1.07	12
1984	Wet	0.80	0.69	0.58	0.62	0.60	0.91	1.04	1.30	1.61	1.67	1.44	1.07	12
1985	Dry	0.72	0.62	0.50	0.41	0.39	0.64	0.95	1.19	1.47	1.52	1.31	0.98	11
1986	Wet	0.66	0.57	0.46	0.05	0.09	0.91	0.90	1.03	1.26	1.31	1.13	0.85	9
1987	Dry	0.58	0.50	0.41	0.37	0.39	0.59	0.81	1.01	1.26	1.30	1.12	0.84	9
1988	Critical	0.57	0.48	0.39	0.08	0.14	0.14	0.28	0.33	0.70	0.74	0.68	0.29	5
1989	Dry	0.15	0.14	0.20	0.09	0.11	0.24	1.07	1.33	1.63	1.68	1.46	1.10	9
1990	Critical	0.75	0.65	0.53	0.04	0.06	0.12	0.29	0.35	0.73	0.76	0.70	0.31	5
1991	Critical	0.17	0.15	0.22	0.03	0.03	0.05	0.27	0.33	0.68	0.71	0.65	0.29	4
1992	Critical	0.16	0.14	0.21	0.04	0.04	0.15	0.43	0.74	0.98	1.03	0.93	0.64	5
1993	Above Normal	0.31	0.24	0.25	0.07	0.48	0.96	1.09	1.36	1.68	1.73	1.50	1.12	11
1994	Critical	0.77	0.66	0.54	0.38	0.37	0.64	0.61	0.94	1.15	1.21	1.06	0.80	9
1995	Wet	0.44	0.35	0.30	0.06	0.56	0.87	1.09	1.36	1.68	1.74	1.51	1.13	11
1996	Wet	0.77	0.66	0.62	0.62	0.60	0.85	0.94	1.22	1.51	1.56	1.35	1.00	12
1997	Wet	0.68	0.58	0.47	0.54	0.60	0.72	0.75	0.94	1.17	1.21	1.05	0.77	9
1998	Wet	0.52	0.44	0.36	0.47	0.61	0.92	1.12	1.31	1.62	1.68	1.45	1.08	12
1999	Wet	0.73	0.70	0.58	0.62	0.54	0.92	0.97	1.22	1.51	1.56	1.35	1.00	12
2000	Above Normal	0.68	0.58	0.47	0.19	0.46	0.95	1.08	1.35	1.67	1.72	1.49	1.11	12
2001	Dry	0.76	0.65	0.53	0.09	0.10	0.30	0.51	0.95	1.14	1.21	1.08	0.82	8
2002	Dry	0.38	0.28	0.27	0.17	0.37	0.23	0.77	0.98	1.21	1.26	1.09	0.81	8
2003	Above Normal	0.54	0.46	0.38	0.34	0.45	0.49	0.93	1.41	1.74	1.79	1.55	1.16	11
Average		1	1	0	0	0	1	1	1	1	1	1	1	10
Wet		1	1	0	0	1	1	1	1	2	2	1	1	12
Above Normal		1	0	0	0	0	1	1	1	2	2	1	1	11
Below Normal		1	1	0	0	0	1	1	1	2	2	1	1	11
Dry		1	0	0	0	0	0	1	1	1	1	1	1	9
Critical		0	0	0	0	0	0	0	1	1	1	1	0	6

Difference in Energy Use (GWh) At Pumping Plant at Las Perillas: CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1927	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1932	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1935	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1940	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1945	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1946	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1947	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1948	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1949	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1951	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1961	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1963	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1965	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1966	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Below Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Dry		0	0	0	0	0	0	0	0	0	0	0	0	0
Critical		0	0	0	0	0	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at Las Perillas: CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1923	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1924	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1925	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1926	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1927	Wet	0%	0%	0%	0%	-16%	0%	0%	0%	0%	0%	0%	0%
1928	Above Norma	0%	0%	0%	-3%	0%	0%	1%	1%	1%	1%	1%	1%
1929	Critical	1%	1%	1%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1930	Dry	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1931	Critical	0%	0%	0%	-1%	2%	-1%	-1%	-1%	-1%	-1%	-1%	-1%
1932	Dry	-2%	-2%	-2%	1%	-1%	-2%	-4%	-10%	-2%	-2%	-2%	-10%
1933	Critical	-8%	-5%	1%	3%	1%	-2%	-3%	-9%	-2%	-2%	-1%	-8%
1934	Critical	-7%	-4%	2%	0%	0%	0%	-1%	0%	0%	0%	0%	0%
1935	Below Norma	-1%	-1%	-1%	0%	0%	0%	-1%	-1%	-1%	-1%	-1%	-1%
1936	Below Norma	-1%	-1%	-1%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%
1937	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1938	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%	1%
1940	Above Norma	1%	1%	1%	4%	7%	2%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	29%	-1%	8%	-1%	-1%	-1%	-1%	-1%	-1%
1942	Wet	-1%	-1%	-1%	2%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1944	Dry	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%
1945	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1946	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1947	Dry	0%	0%	0%	4%	3%	41%	2%	2%	2%	2%	2%	2%
1948	Below Norma	2%	2%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1949	Dry	0%	0%	0%	0%	-7%	6%	2%	2%	2%	2%	2%	2%
1950	Below Norma	2%	2%	2%	1%	2%	1%	0%	0%	0%	0%	0%	0%
1951	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	0%	0%	-6%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1955	Dry	0%	0%	0%	0%	0%	0%	4%	10%	2%	2%	2%	10%
1956	Wet	8%	5%	-2%	-1%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1958	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1960	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1961	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1962	Below Norma	0%	0%	0%	-15%	-14%	-35%	-3%	-3%	-3%	-3%	-3%	-3%
1963	Wet	-3%	-3%	-3%	-4%	-2%	3%	2%	0%	0%	0%	0%	0%
1964	Dry	0%	0%	0%	18%	2%	17%	3%	-3%	-3%	-3%	-3%	-4%
1965	Wet	2%	3%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1966	Below Norma	0%	0%	0%	17%	0%	0%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	0%	7%	0%	0%	0%	-6%	0%	0%	0%	0%
1968	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1969	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1972	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1973	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1977	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1978	Above Norma	0%	0%	0%	0%	0%	0%	0%	-5%	0%	0%	0%	0%
1979	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1980	Above Norma	0%	0%	0%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1982	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	-1%	-1%	-1%	-1%	-1%	-1%
1986	Wet	-1%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1987	Dry	0%	0%	0%	1%	1%	1%	1%	1%	1%	1%	1%	1%
1988	Critical	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1989	Dry	0%	0%	0%	-1%	-1%	-1%	0%	0%	0%	0%	0%	0%
1990	Critical	0%	0%	0%	3%	10%	10%	2%	2%	2%	2%	2%	2%
1991	Critical	1%	1%	1%	2%	2%	2%	5%	5%	5%	5%	5%	5%
1992	Critical	5%	5%	5%	-1%	-1%	-35%	3%	7%	1%	2%	1%	7%
1993	Above Norma	6%	3%	-2%	-5%	-1%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1995	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1998	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2001	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2002	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2003	Above Norma	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%
Average		0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%
Wet		0%	0%	0%	1%	-1%	0%	0%	0%	0%	0%	0%	0%
Above Norma		1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Below Norma		0%	0%	0%	0%	-1%	-3%	0%	0%	0%	0%	0%	0%
Dry		0%	0%	0%	1%	0%	3%	0%	0%	0%	0%	0%	0%
Critical		-1%	0%	1%	0%	1%	-2%	0%	0%	0%	0%	0%	0%

Energy Use (GWh) At Pumping Plant at Oso: CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	26.99	22.27	10.58	0.96	14.97	26.97	22.68	24.98	23.58	24.24	24.16	23.46	246
1923	Below Normal	20.43	19.02	18.15	22.90	23.88	26.97	26.11	27.00	26.14	27.02	23.98	21.07	283
1924	Critical	17.75	16.46	15.55	9.93	8.49	5.72	7.60	7.25	6.46	7.91	5.16	4.66	113
1925	Dry	0.31	0.26	0.09	24.21	21.04	0.15	12.30	12.91	13.96	16.47	13.12	11.61	126
1926	Dry	5.08	3.29	0.11	3.21	24.36	7.73	19.02	21.12	21.18	21.71	21.62	20.93	169
1927	Wet	17.93	16.66	15.77	10.17	23.03	26.97	25.06	24.94	23.54	24.21	24.13	23.42	256
1928	Above Normal	20.39	18.98	18.09	16.05	25.23	26.21	22.08	20.09	18.68	19.23	19.17	18.58	243
1929	Critical	15.53	14.38	13.45	9.41	7.32	5.37	12.12	12.74	12.47	15.40	9.74	8.87	137
1930	Dry	1.73	0.34	0.11	0.07	9.60	24.59	13.72	19.74	19.67	22.81	22.22	20.11	155
1931	Critical	13.56	12.00	5.58	3.49	2.54	3.64	12.02	12.47	12.13	15.05	9.48	8.62	111
1932	Dry	1.60	0.34	0.11	0.07	25.23	20.62	9.03	14.03	13.66	16.14	12.76	11.30	125
1933	Critical	4.78	3.00	0.08	2.71	12.62	23.47	9.88	15.11	14.72	17.23	16.64	14.99	135
1934	Critical	9.27	7.98	2.91	3.58	12.98	2.78	10.39	15.67	15.23	17.78	17.32	15.63	132
1935	Below Normal	9.81	8.54	3.27	2.69	2.45	26.97	18.00	27.00	26.14	27.02	27.01	26.14	205
1936	Below Normal	26.99	26.11	26.97	2.16	1.86	26.97	22.51	25.18	23.76	24.51	24.47	23.82	255
1937	Below Normal	20.96	19.55	20.07	2.57	1.85	26.97	22.05	23.35	23.31	23.99	23.91	23.19	232
1938	Wet	20.23	18.86	18.00	20.03	23.59	26.97	26.11	23.42	22.07	22.67	22.59	21.93	266
1939	Dry	18.87	17.53	20.25	20.65	18.90	21.61	20.52	20.12	18.76	19.30	19.24	18.64	234
1940	Above Normal	15.59	14.42	13.52	5.86	5.24	26.97	25.74	26.57	25.34	26.29	26.53	26.14	238
1941	Wet	23.81	22.97	23.86	16.65	22.27	26.97	26.11	27.00	25.49	27.02	27.01	25.43	295
1942	Wet	20.35	18.03	17.14	21.80	23.61	26.97	23.53	23.32	21.96	22.61	22.53	21.85	264
1943	Wet	18.81	17.47	16.56	22.00	23.65	26.97	17.49	18.55	18.51	19.12	19.06	18.50	237
1944	Dry	15.44	14.27	13.36	10.99	14.20	24.93	24.47	23.71	22.24	22.91	22.86	22.17	232
1945	Below Normal	19.16	17.82	16.95	11.40	15.66	19.86	24.20	23.79	22.40	23.06	22.96	22.27	240
1946	Below Normal	19.26	17.91	17.04	21.18	23.75	26.97	26.11	27.00	23.47	20.90	20.84	20.21	265
1947	Dry	17.14	15.90	14.98	11.24	8.97	13.73	17.10	20.98	19.54	20.06	20.02	19.41	199
1948	Below Normal	16.40	15.22	14.33	5.93	5.18	4.44	13.09	23.96	22.55	23.14	23.09	22.37	190
1949	Dry	19.38	18.06	17.18	9.11	7.11	5.25	15.28	16.51	16.22	18.83	18.32	16.57	178
1950	Below Normal	10.57	9.23	3.68	2.63	2.24	26.02	19.72	23.69	22.23	22.90	22.82	22.11	188
1951	Above Normal	19.12	17.80	16.98	19.70	23.57	26.97	23.59	23.38	22.00	22.59	22.54	21.88	260
1952	Wet	18.82	17.49	16.58	22.90	25.23	26.97	26.11	23.25	21.75	22.47	22.40	21.74	266
1953	Wet	21.50	20.15	26.97	20.49	15.91	26.97	19.38	23.07	21.65	22.36	22.26	21.63	262
1954	Above Normal	18.57	17.25	16.35	20.04	24.36	26.97	26.11	27.00	25.36	26.06	24.09	22.53	275
1955	Dry	19.49	18.13	17.23	11.37	12.36	8.72	13.37	14.73	14.29	16.71	15.17	13.58	175
1956	Wet	7.55	6.09	1.77	11.29	22.02	26.97	19.26	23.26	21.85	22.47	22.39	21.74	207
1957	Above Normal	18.70	17.39	16.51	20.20	24.36	26.97	25.32	18.96	17.68	18.14	18.07	17.52	240
1958	Wet	14.47	13.36	12.44	21.15	21.91	26.97	21.17	22.43	22.40	23.05	23.01	22.32	245
1959	Below Normal	19.29	17.91	23.67	20.70	22.09	14.30	20.51	20.05	18.74	19.29	19.19	18.60	234
1960	Dry	15.57	14.39	13.48	8.79	7.72	6.71	19.25	20.40	19.99	22.32	21.88	20.24	191
1961	Dry	14.82	13.31	8.66	5.87	14.19	24.16	14.59	20.02	19.70	22.21	21.76	20.01	199
1962	Below Normal	14.34	12.83	7.80	4.56	3.67	20.20	25.35	25.14	23.77	24.47	24.46	23.83	210
1963	Wet	20.99	19.58	18.74	19.45	24.36	26.97	26.11	27.00	24.32	24.22	23.79	22.91	278
1964	Dry	19.87	18.49	17.56	12.58	25.23	22.43	17.70	17.87	16.89	18.21	17.99	17.01	222
1965	Wet	13.02	11.78	9.33	16.14	24.16	23.45	15.63	16.60	16.59	17.15	17.11	16.56	198
1966	Below Normal	13.53	12.44	11.48	20.20	23.81	26.97	22.89	22.60	21.21	21.78	21.76	21.09	240
1967	Wet	18.05	16.75	15.83	13.74	21.64	26.97	25.66	22.86	22.83	23.54	23.47	22.76	254
1968	Below Normal	19.72	23.92	26.97	20.51	22.61	26.97	16.76	20.61	19.30	19.84	19.73	19.14	256
1969	Wet	16.09	14.89	13.97	12.85	21.64	26.97	25.82	22.88	22.85	23.53	23.45	22.75	248
1970	Wet	19.69	18.31	26.97	20.54	21.74	26.97	19.19	23.26	21.89	22.52	22.42	21.74	265
1971	Wet	18.70	17.36	16.47	22.08	23.71	26.97	26.11	27.00	26.01	27.02	22.89	25.92	280
1972	Below Normal	20.45	18.18	17.05	14.35	24.91	24.14	16.44	17.16	16.70	18.99	18.56	17.00	224
1973	Above Normal	11.55	10.25	5.53	26.97	24.36	26.97	18.38	22.37	21.02	21.55	21.48	20.83	231
1974	Wet	17.79	16.49	15.60	22.34	23.88	26.97	23.47	23.27	21.93	22.51	22.43	21.78	258
1975	Wet	18.73	17.37	16.46	21.82	24.36	26.97	23.45	23.73	22.37	22.95	22.88	22.22	263
1976	Critical	19.15	17.80	16.91	21.13	25.23	26.97	23.59	17.31	15.95	16.43	16.33	15.83	233
1977	Critical	12.80	11.74	10.84	7.78	6.82	5.01	6.46	5.80	5.02	6.05	4.02	3.60	86
1978	Above Normal	0.33	0.23	0.16	19.73	24.36	26.97	23.35	24.75	24.85	25.77	25.90	25.42	222
1979	Below Normal	22.93	21.80	21.86	7.70	20.85	22.97	22.76	22.55	21.19	21.73	21.66	21.02	249
1980	Above Normal	17.99	16.68	15.82	18.42	25.23	26.97	22.75	19.62	19.61	20.26	20.18	19.57	243
1981	Dry	16.54	15.30	14.41	19.93	24.36	26.97	21.21	20.87	19.60	20.08	20.00	19.39	239
1982	Wet	16.33	15.12	14.23	21.65	23.88	26.97	26.11	23.28	21.87	22.51	22.42	21.74	256
1983	Wet	18.70	17.36	26.97	20.49	21.74	26.97	20.56	21.82	21.82	22.41	22.41	21.75	263
1984	Wet	21.50	20.15	26.97	20.49	22.61	26.97	19.15	23.23	21.80	22.48	22.41	21.75	270
1985	Dry	18.67	17.36	16.45	20.18	24.36	26.97	26.11	22.47	20.58	21.12	21.70	22.12	258
1986	Wet	19.14	17.84	16.97	9.28	11.99	26.97	17.41	18.26	18.30	18.79	18.77	18.15	212
1987	Dry	15.14	14.01	13.10	16.41	22.06	21.96	19.08	18.61	17.24	17.67	17.68	17.12	210
1988	Critical	14.11	12.99	12.07	8.92	9.80	5.30	10.93	11.19	10.79	13.35	8.45	7.70	126
1989	Dry	1.16	0.32	0.10	0.07	0.08	11.12	21.71	25.72	24.35	25.19	25.29	24.78	160
1990	Critical	22.20	21.00	20.74	2.31	1.95	3.39	11.02	11.25	10.87	13.41	8.49	7.74	134
1991	Critical	1.18	0.32	0.08	0.07	0.08	1.45	10.05	10.21	9.74	12.03	7.65	6.98	60
1992	Critical	0.81	0.30	0.11	0.07	0.08	7.97	9.71	14.82	14.38	16.89	14.26	12.68	92
1993	Above Normal	6.30	4.60	0.80	2.98	18.24	26.97	22.13	24.53	23.10	23.72	23.68	22.98	200
1994	Critical	19.97	18.58	17.70	17.02	21.51	21.95	15.94	16.38	15.63	17.36	17.06	15.86	215
1995	Wet	11.23	10.03	6.60	5.48	21.69	26.97	25.37	23.10	23.07	23.73	23.71	23.00	224
1996	Wet	19.98	18.60	26.97	20.51	22.62	26.97	18.64	20.51	20.47	21.07	21.00	20.36	258
1997	Wet	17.31	16.05	15.16	22.23	23.88	26.97	17.58	17.14	15.73	16.22	16.18	15.68	220
1998	Wet	12.61	11.59	10.65	18.63	23.50	26.97	24.92	21.92	21.90	22.62	22.59	21.91	240
1999	Wet	18.84	23.11	26.97	20.49	22.02	26.97	17.85	21.78	20.37	21.06	21.02	20.38	261
2000	Above Normal	17.31	16.07	15.13	12.06	25.23	26.97	24.77	24.63	23.19	23.94	23.90	23.18	256
2001	Dry	20.12	18.74	17.83	11.02	9.18	26.97	11.66	17.31	17.01	19.92	19.43	17.54	207
2002	Dry	11.35	9.96	4.11	1.82	14.56	6.48	19.23	18.96	17.62	18.41	18.34	17.66	159
2003	Above Normal	14.42	13.30	12.04	14.16	23.28	19.40	21.68	25.60	24.17	25.05	27.01	26.14	246
Average		16	15	14	13	17	21	20						

Shasta Lake Water Resource Investigation
Socioeconomic Appendix - Power and Energy Technical Report

Energy Use (GWh) At Pumping Plant at Oso: CP4B_2020

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	26.99	22.27	10.58	0.96	14.97	26.97	22.68	24.98	23.58	24.24	24.16	23.46	246
1923	Below Normal	20.43	19.02	18.15	22.90	21.74	26.97	26.11	27.00	26.14	27.02	23.98	21.07	281
1924	Critical	17.75	16.46	15.55	9.93	8.49	5.72	7.60	7.25	6.46	7.91	5.16	4.66	113
1925	Dry	0.31	0.26	0.09	4.61	15.13	0.15	12.30	12.91	13.96	16.47	13.12	11.62	101
1926	Dry	5.08	3.29	0.11	3.21	16.97	10.16	16.64	21.11	21.17	21.70	21.61	20.92	162
1927	Wet	17.92	16.65	15.77	10.17	23.03	26.97	25.06	24.94	23.54	24.21	24.13	23.42	256
1928	Above Normal	20.39	18.98	18.09	15.77	25.23	26.23	22.24	20.23	18.82	19.37	19.32	18.72	243
1929	Critical	15.67	14.51	13.58	9.45	7.35	5.38	12.17	12.80	12.53	15.47	9.78	8.91	138
1930	Dry	1.75	0.34	0.11	0.07	12.73	24.59	13.73	19.74	19.67	22.80	22.22	20.11	158
1931	Critical	13.56	12.00	5.58	3.48	2.54	3.64	11.90	12.33	11.98	14.86	9.36	8.51	110
1932	Dry	1.54	0.34	0.11	5.44	15.46	20.16	8.78	13.71	13.37	15.91	11.74	10.37	117
1933	Critical	3.64	1.72	0.08	1.86	23.19	23.04	9.65	14.77	14.38	16.92	15.25	13.63	138
1934	Critical	7.61	6.11	1.74	3.45	9.12	2.72	10.34	15.61	15.16	17.70	17.25	15.56	122
1935	Below Normal	9.76	8.49	3.24	2.69	2.45	26.97	17.90	27.00	26.14	27.02	27.01	26.14	205
1936	Below Normal	26.99	26.11	26.97	2.16	1.86	26.97	22.39	25.12	23.69	24.42	24.38	23.72	255
1937	Below Normal	20.83	19.42	13.66	2.57	1.85	26.97	22.02	23.33	23.28	23.96	23.88	23.16	225
1938	Wet	20.19	18.83	17.97	20.02	21.73	26.97	26.11	23.42	22.07	22.67	22.59	21.93	264
1939	Dry	18.87	17.53	20.33	20.65	18.82	24.56	16.54	20.35	18.99	19.53	19.48	18.88	235
1940	Above Normal	15.82	14.64	13.74	5.82	5.18	26.97	26.07	26.52	25.28	26.22	26.45	26.06	239
1941	Wet	23.71	22.83	23.64	19.67	21.70	26.97	26.11	27.00	26.14	26.73	24.00	22.08	291
1942	Wet	19.03	17.69	16.80	22.03	23.67	26.97	23.50	23.29	21.93	22.58	22.50	21.83	262
1943	Wet	18.79	17.45	16.54	22.01	23.66	26.97	17.48	18.55	18.51	19.12	19.06	18.50	237
1944	Dry	15.44	14.27	13.36	10.99	14.31	24.92	24.45	23.70	22.23	22.90	22.85	22.16	232
1945	Below Normal	19.15	17.81	16.94	11.40	15.74	19.80	24.24	23.82	22.43	23.08	22.98	22.29	240
1946	Below Normal	19.28	17.94	17.06	21.22	21.74	26.97	26.11	27.00	23.72	20.96	20.90	20.27	263
1947	Dry	17.20	15.96	15.04	11.41	9.22	18.71	17.41	21.31	19.87	20.39	20.35	19.73	207
1948	Below Normal	16.72	15.53	14.64	5.70	4.98	4.37	13.09	23.95	22.54	23.13	23.08	22.36	190
1949	Dry	19.37	18.05	17.17	9.10	7.11	5.26	15.52	16.80	16.53	19.19	18.67	16.89	180
1950	Below Normal	10.83	9.47	3.82	2.66	2.27	21.07	19.78	23.75	22.29	22.97	22.88	22.17	184
1951	Above Normal	19.18	17.86	17.04	19.72	21.73	26.97	23.59	23.38	22.00	22.59	22.54	21.88	258
1952	Wet	18.82	17.49	16.58	22.90	22.61	26.97	26.11	23.25	21.75	22.47	22.40	21.74	263
1953	Wet	21.50	20.15	26.97	20.49	15.91	26.97	19.10	23.07	21.65	22.36	22.26	21.63	262
1954	Above Normal	18.57	17.25	16.35	20.05	24.36	26.97	26.11	27.00	25.36	26.00	24.07	22.53	275
1955	Dry	19.49	18.13	17.22	11.38	12.36	8.80	13.64	15.12	14.68	17.08	16.69	15.06	180
1956	Wet	9.35	8.11	3.03	11.30	21.84	26.97	19.26	23.24	21.83	22.45	22.38	21.73	211
1957	Above Normal	18.69	17.39	16.51	20.20	24.36	26.97	25.32	18.97	17.68	18.14	18.07	17.52	240
1958	Wet	14.47	13.36	12.44	21.15	21.91	26.97	21.17	22.43	22.40	23.05	23.02	22.32	245
1959	Below Normal	19.29	17.91	23.58	20.70	22.02	14.30	20.51	20.05	18.74	19.29	19.19	18.60	234
1960	Dry	15.57	14.39	13.48	8.79	7.72	6.72	19.26	20.40	19.98	22.30	21.86	20.23	191
1961	Dry	14.83	13.32	8.70	5.90	11.61	24.15	14.58	20.02	19.70	22.22	21.76	20.01	197
1962	Below Normal	14.34	12.82	7.79	4.36	3.66	14.14	20.85	24.82	23.42	24.05	24.00	23.32	198
1963	Wet	20.39	19.02	18.17	18.53	21.94	26.97	26.11	26.98	23.78	23.63	23.56	22.87	272
1964	Dry	19.83	18.45	17.52	13.67	25.23	24.78	18.73	17.46	16.30	17.22	17.08	16.32	223
1965	Wet	12.81	11.66	9.97	17.01	24.25	23.46	15.63	16.61	16.60	17.15	17.11	16.56	199
1966	Below Normal	13.54	12.45	11.49	20.50	23.89	26.97	18.84	22.57	21.18	21.75	21.73	21.06	236
1967	Wet	18.02	16.72	15.80	14.26	21.73	26.97	25.60	22.80	22.77	23.48	23.41	22.70	254
1968	Below Normal	19.65	23.86	26.97	20.51	22.61	26.97	16.76	20.61	19.30	19.84	19.73	19.14	256
1969	Wet	16.09	14.89	13.97	12.88	21.64	26.97	25.82	22.88	22.84	23.52	23.45	22.75	248
1970	Wet	19.68	18.31	26.97	20.54	21.74	26.97	19.19	23.26	21.89	22.52	22.42	21.74	265
1971	Wet	18.70	17.36	16.47	22.08	23.71	26.97	26.11	27.00	26.01	27.02	22.89	25.93	280
1972	Below Normal	20.45	18.18	17.05	14.35	24.91	24.73	16.17	17.16	16.70	19.00	18.57	17.00	224
1973	Above Normal	11.54	10.23	5.50	20.12	21.89	26.97	18.38	22.37	21.02	21.55	21.48	20.83	222
1974	Wet	17.79	16.50	15.60	22.34	21.74	26.97	23.47	23.27	21.93	22.51	22.43	21.78	256
1975	Wet	18.73	17.37	16.46	21.82	21.96	26.97	23.45	23.73	22.37	22.95	22.88	22.22	261
1976	Critical	19.15	17.80	16.91	21.13	23.12	26.97	23.62	17.31	15.96	16.43	16.33	15.83	231
1977	Critical	12.80	11.75	10.84	7.78	6.82	5.01	6.46	5.80	5.02	6.05	4.02	3.60	86
1978	Above Normal	0.33	0.23	0.16	3.46	17.39	26.97	23.35	24.75	24.85	25.78	25.90	25.43	199
1979	Below Normal	22.93	21.80	21.87	7.73	20.88	22.99	22.76	22.55	21.19	21.73	21.66	21.02	249
1980	Above Normal	17.98	16.68	15.82	18.37	23.14	26.97	22.77	19.64	19.63	20.28	20.20	19.59	241
1981	Dry	16.56	15.32	14.43	19.93	24.36	26.97	21.21	20.87	19.60	20.09	20.00	19.39	239
1982	Wet	16.33	15.12	14.23	21.65	21.74	26.97	26.11	23.28	21.87	22.51	22.42	21.74	254
1983	Wet	18.70	17.36	26.97	20.49	21.74	26.97	20.56	21.82	21.82	22.41	22.41	21.75	263
1984	Wet	21.50	20.15	26.97	20.49	22.61	26.97	19.15	23.23	21.80	22.48	22.41	21.75	270
1985	Dry	18.67	17.36	16.45	20.18	24.36	26.97	26.11	21.92	20.32	20.86	21.31	21.97	256
1986	Wet	18.99	17.70	16.83	9.20	10.78	26.97	18.53	18.26	18.30	18.79	18.77	18.15	211
1987	Dry	15.14	14.01	13.10	16.55	22.17	22.08	19.18	18.71	17.34	17.77	17.78	17.23	211
1988	Critical	14.21	13.09	12.16	8.97	9.86	5.32	10.93	11.19	10.79	13.35	8.45	7.70	126
1989	Dry	1.16	0.32	0.10	0.07	0.08	8.18	21.71	25.72	24.36	25.20	25.30	24.79	157
1990	Critical	22.21	21.02	17.09	2.21	1.84	3.36	11.17	11.42	11.06	13.64	8.63	7.87	132
1991	Critical	1.24	0.32	0.08	0.07	0.08	1.50	10.38	10.59	10.16	12.55	7.96	7.27	62
1992	Critical	0.95	0.31	0.11	0.07	0.08	1.85	14.12	15.10	14.64	17.13	15.25	13.62	93
1993	Above Normal	7.44	5.87	1.59	2.97	18.15	26.97	22.17	24.53	23.09	23.71	23.68	22.98	203
1994	Critical	19.97	18.58	17.71	17.02	21.50	21.94	15.93	16.38	15.63	17.36	17.06	15.86	215
1995	Wet	11.23	10.03	6.60	5.48	21.09	26.97	25.91	23.10	23.06	23.73	23.71	23.00	224
1996	Wet	19.98	18.60	26.97	20.51	22.62	26.97	18.64	20.51	20.47	21.07	21.00	20.36	258
1997	Wet	17.31	16.05	15.16	22.23	23.88	26.97	17.58	17.14	15.73	16.22	16.18	15.68	220
1998	Wet	12.61	11.59	10.65	18.64	23.50	26.97	24.92	21.92	21.90	22.62	22.59	21.90	240
1999	Wet	18.85	23.10	26.97	20.49	22.02	26.97	17.85	21.78	20.37	21.06	21.02	20.38	261
2000	Above Normal	17.31	16.07	15.13	12.07	22.88	26.97	24.77	24.63	23.19	23.94	23.90	23.18	254
2001	Dry	20.12	18.74	17.83	11.02	9.18	26.97	11.67	17.32	17.02	19.92	19.43	17.54	207
2002	Dry	11.35	9.96	4.11	1.82	14.58	6.48	19.23	18.96	17.62	18.40	18.34	17.66	159
2003	Above Normal	14.42	13.30	12.05	14.24	23.28	19.45	21.67	25.58	24.15	25.03	24.90	26.14	244
Average		16	15	14	13	17	21	20						

Difference in Energy Use (GWh) At Pumping Plant at Oso: CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	-2	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	-20	-6	0	0	0	0	0	0	0	-2
1926	Dry	0	0	0	0	-7	2	-2	0	0	0	0	0	-1
1927	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	0	3	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1932	Dry	0	0	0	5	-10	0	0	0	0	0	-1	-1	-1
1933	Critical	-1	-1	0	-1	11	0	0	0	0	0	-1	-1	0
1934	Critical	-2	-2	-1	0	-4	0	0	0	0	0	0	0	-1
1935	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	0	-6	0	0	0	0	0	0	0	0	0	-1
1938	Wet	0	0	0	0	-2	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	3	-4	0	0	0	0	0	0
1940	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	3	-1	0	0	0	1	0	-3	-3	0
1942	Wet	-1	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1945	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1946	Below Norma	0	0	0	0	-2	0	0	0	0	0	0	0	0
1947	Dry	0	0	0	0	0	5	0	0	0	0	0	0	1
1948	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1949	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Norma	0	0	0	0	0	-5	0	0	0	0	0	0	0
1951	Above Norma	0	0	0	0	-2	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	-3	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	0	2	1	0
1956	Wet	2	2	1	0	0	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1961	Dry	0	0	0	0	-3	0	0	0	0	0	0	0	0
1962	Below Norma	0	0	0	0	0	-6	-5	0	0	0	0	-1	-1
1963	Wet	-1	-1	-1	-1	-2	0	0	-1	-1	0	0	0	-1
1964	Dry	0	0	0	1	0	2	1	0	-1	-1	-1	-1	0
1965	Wet	0	0	1	1	0	0	0	0	0	0	0	0	0
1966	Below Norma	0	0	0	0	0	0	-4	0	0	0	0	0	0
1967	Wet	0	0	0	1	0	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	1	0	0	0	0	0	0	0
1973	Above Norma	0	0	0	-7	-2	0	0	0	0	0	0	0	-1
1974	Wet	0	0	0	0	-2	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	-2	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	-2	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Norma	0	0	0	-16	-7	0	0	0	0	0	0	0	-2
1979	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	Above Norma	0	0	0	0	-2	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	-2	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	-1	0	0	0	0	0
1986	Wet	0	0	0	0	-1	0	1	0	0	0	0	0	0
1987	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	Dry	0	0	0	0	0	-3	0	0	0	0	0	0	0
1990	Critical	0	0	-4	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	1	0	0	0	0
1992	Critical	0	0	0	0	0	-6	4	0	0	0	1	1	0
1993	Above Norma	1	1	1	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	0	0	0	0	-1	0	1	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	-2	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	Above Norma	0	0	0	0	0	0	0	0	0	0	-2	0	0
Average		0	0	0	0	-1	0	0	0	0	0	0	0	0
Wet		0	0	0	0	-1	0	0	0	0	0	0	0	0
Above Norma		0	0	0	-2	-1	0	0	0	0	0	0	0	0
Below Norma		0	0	0	0	0	-1	-1	0	0	0	0	0	0
Dry		0	0	0	-1	-1	1	0	0	0	0	0	0	0
Critical		0	0	0	0	0	-1	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at Oso: CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1923	Below Norma	0%	0%	0%	0%	-9%	0%	0%	0%	0%	0%	0%	0%
1924	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1925	Dry	0%	0%	0%	-81%	-28%	0%	0%	0%	0%	0%	0%	0%
1926	Dry	0%	0%	0%	0%	-30%	31%	-13%	0%	0%	0%	0%	0%
1927	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1928	Above Norma	0%	0%	0%	-2%	0%	0%	1%	1%	1%	1%	1%	1%
1929	Critical	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1930	Dry	1%	0%	0%	0%	33%	0%	0%	0%	0%	0%	0%	0%
1931	Critical	0%	0%	0%	0%	0%	0%	-1%	-1%	-1%	-1%	-1%	-1%
1932	Dry	-3%	-1%	0%	7995%	-39%	-2%	-3%	-2%	-2%	-1%	-8%	-8%
1933	Critical	-24%	-43%	0%	-32%	84%	-2%	-2%	-2%	-2%	-2%	-8%	-9%
1934	Critical	-18%	-23%	-40%	-3%	-30%	-2%	0%	0%	0%	0%	0%	0%
1935	Below Norma	-1%	-1%	-1%	0%	0%	0%	-1%	0%	0%	0%	0%	0%
1936	Below Norma	0%	0%	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%
1937	Below Norma	-1%	-1%	-32%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1938	Wet	0%	0%	0%	0%	-8%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	0%	14%	-19%	1%	1%	1%	1%	1%
1940	Above Norma	1%	2%	2%	-1%	-1%	0%	1%	0%	0%	0%	0%	0%
1941	Wet	0%	-1%	-1%	18%	-3%	0%	0%	0%	3%	-1%	-11%	-13%
1942	Wet	-6%	-2%	-2%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1944	Dry	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%
1945	Below Norma	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%
1946	Below Norma	0%	0%	0%	0%	-8%	0%	0%	0%	1%	0%	0%	0%
1947	Dry	0%	0%	0%	2%	3%	36%	2%	2%	2%	2%	2%	2%
1948	Below Norma	2%	2%	2%	-4%	-4%	-2%	0%	0%	0%	0%	0%	0%
1949	Dry	0%	0%	0%	0%	0%	0%	2%	2%	2%	2%	2%	2%
1950	Below Norma	2%	3%	4%	1%	1%	-19%	0%	0%	0%	0%	0%	0%
1951	Above Norma	0%	0%	0%	0%	-8%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	-10%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%
1954	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1955	Dry	0%	0%	0%	0%	0%	1%	2%	3%	3%	2%	10%	11%
1956	Wet	24%	33%	71%	0%	-1%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1958	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1960	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1961	Dry	0%	0%	1%	1%	-18%	0%	0%	0%	0%	0%	0%	0%
1962	Below Norma	0%	0%	0%	-4%	0%	-30%	-18%	-1%	-1%	-2%	-2%	-2%
1963	Wet	-3%	-3%	-3%	-5%	-10%	0%	0%	-2%	-2%	-2%	-1%	0%
1964	Dry	0%	0%	0%	9%	0%	10%	6%	-2%	-4%	-5%	-5%	-4%
1965	Wet	-2%	-1%	7%	5%	0%	0%	0%	0%	0%	0%	0%	0%
1966	Below Norma	0%	0%	0%	1%	0%	0%	-18%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	0%	4%	0%	0%	0%	0%	0%	0%	0%	0%
1968	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1969	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1972	Below Norma	0%	0%	0%	0%	0%	2%	-2%	0%	0%	0%	0%	0%
1973	Above Norma	0%	0%	-1%	-25%	-10%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	-9%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	-10%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	-8%	0%	0%	0%	0%	0%	0%	0%
1977	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1978	Above Norma	0%	0%	0%	-82%	-29%	0%	0%	0%	0%	0%	0%	0%
1979	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1980	Above Norma	0%	0%	0%	0%	-8%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1982	Wet	0%	0%	0%	0%	-9%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	0%	-2%	-1%	-1%	-2%	-1%
1986	Wet	-1%	-1%	-1%	-1%	-10%	0%	6%	0%	0%	0%	0%	0%
1987	Dry	0%	0%	0%	1%	1%	1%	1%	1%	1%	1%	1%	1%
1988	Critical	1%	1%	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%
1989	Dry	0%	0%	0%	0%	0%	-26%	0%	0%	0%	0%	0%	0%
1990	Critical	0%	0%	-18%	-4%	-6%	-1%	1%	2%	2%	2%	2%	2%
1991	Critical	5%	1%	0%	0%	0%	3%	3%	4%	4%	4%	4%	4%
1992	Critical	18%	2%	0%	0%	0%	-77%	45%	2%	2%	1%	7%	7%
1993	Above Norma	18%	28%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1995	Wet	0%	0%	0%	0%	-3%	0%	2%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1998	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norma	0%	0%	0%	0%	-9%	0%	0%	0%	0%	0%	0%	0%
2001	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2002	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2003	Above Norma	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	-8%	0%
Average		0%	0%	1%	95%	-2%	-1%	0%	0%	0%	0%	0%	0%
Above Norma		0%	1%	3%	1%	-3%	0%	0%	0%	0%	0%	0%	-1%
Below Norma		2%	2%	8%	-9%	-5%	0%	0%	0%	0%	0%	-1%	0%
Dry		0%	0%	0%	440%	-4%	4%	-1%	0%	0%	0%	0%	0%
Critical		-1%	-5%	-5%	-3%	3%	-6%	4%	0%	0%	0%	0%	0%

Energy Use (GWh) At Pumping Plant at Pearblossom: CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	90.99	87.81	81.11	2.04	59.40	90.99	85.08	89.79	87.16	90.52	90.99	88.06	944
1923	Below Normal	86.10	82.56	83.10	84.64	76.81	90.99	88.06	90.99	82.16	90.99	90.99	77.64	1,025
1924	Critical	74.78	71.39	72.07	54.63	50.00	20.13	22.90	30.14	32.52	24.53	24.24	23.28	501
1925	Dry	13.65	9.12	8.29	4.91	52.01	6.26	46.87	57.80	62.64	50.94	57.95	57.42	428
1926	Dry	38.85	33.24	28.72	8.53	61.49	46.39	53.79	81.94	79.83	82.48	83.04	80.47	679
1927	Wet	78.46	75.38	75.69	46.72	80.40	90.99	86.44	89.64	87.26	90.39	90.85	88.06	980
1928	Above Normal	85.99	82.40	82.93	81.73	79.73	90.99	73.51	70.35	68.57	71.01	71.32	69.11	928
1929	Critical	67.15	64.21	64.81	54.07	50.24	21.13	44.75	61.10	65.66	48.81	48.38	46.80	637
1930	Dry	28.11	19.24	16.94	6.36	13.68	63.01	46.72	68.17	73.79	65.21	79.74	79.38	560
1931	Critical	59.70	57.03	48.31	14.07	14.83	7.79	43.93	59.46	63.79	47.48	47.01	45.40	509
1932	Dry	27.20	18.65	16.44	6.33	59.74	10.34	39.66	56.78	61.54	49.85	56.60	56.20	459
1933	Critical	37.84	31.98	27.55	8.33	14.04	40.38	34.95	50.92	55.23	48.73	59.64	59.28	469
1934	Critical	44.07	41.69	35.08	9.96	13.24	10.20	36.28	52.66	56.88	50.30	61.70	61.42	473
1935	Below Normal	45.63	43.56	36.65	9.90	13.50	66.93	69.46	90.99	79.52	90.69	90.99	88.06	726
1936	Below Normal	90.99	45.43	37.72	3.64	5.98	89.96	86.75	90.99	86.76	90.99	90.99	88.06	808
1937	Below Normal	88.85	77.34	28.94	3.82	6.11	56.52	85.33	90.23	87.48	90.76	90.99	88.06	794
1938	Wet	86.64	83.44	83.79	90.68	77.52	90.99	88.06	82.68	80.84	83.47	83.78	81.29	1,013
1939	Dry	79.23	75.74	76.39	90.68	82.18	74.71	67.80	69.76	68.25	70.54	70.79	68.58	895
1940	Above Normal	66.69	63.64	64.31	29.10	28.58	90.99	88.06	90.99	82.07	90.99	90.99	88.06	874
1941	Wet	90.99	87.81	84.64	85.70	80.66	90.99	88.06	90.99	82.87	90.99	90.99	88.06	1,053
1942	Wet	88.79	78.01	78.62	88.02	77.47	90.99	79.57	82.28	80.40	83.16	83.49	80.93	992
1943	Wet	78.96	75.45	76.11	87.41	77.36	90.99	70.44	69.04	67.27	69.82	70.00	67.92	901
1944	Dry	66.04	62.94	63.62	50.73	65.26	90.99	84.25	85.40	82.85	86.01	86.55	83.95	909
1945	Below Normal	81.87	78.57	79.02	54.06	52.45	90.99	83.59	86.00	83.64	86.67	87.21	84.59	949
1946	Below Normal	82.48	79.20	79.63	89.24	77.12	90.99	88.06	90.99	86.62	76.61	76.89	74.54	992
1947	Dry	72.53	69.31	69.98	60.05	56.87	30.28	71.38	75.37	73.07	75.78	76.31	73.99	805
1948	Below Normal	72.02	69.29	69.67	28.93	27.23	11.58	45.20	88.21	85.67	88.81	89.46	86.77	763
1949	Dry	84.53	81.37	81.63	51.24	47.52	19.53	39.94	55.99	60.79	53.50	65.39	65.27	707
1950	Below Normal	48.42	46.48	39.10	10.25	12.13	19.00	81.67	86.11	83.41	86.61	87.26	84.53	685
1951	Above Normal	82.53	79.46	79.81	90.68	77.58	90.99	79.77	82.47	80.56	83.22	83.54	81.07	992
1952	Wet	79.00	75.53	76.18	84.64	78.55	90.99	88.06	81.84	79.60	82.60	82.90	80.44	980
1953	Wet	79.21	80.55	84.64	90.68	82.18	90.99	77.27	81.29	79.25	82.21	82.45	80.05	991
1954	Above Normal	78.02	74.59	75.25	90.68	76.42	90.99	88.06	90.99	83.20	90.99	90.99	83.96	1,014
1955	Dry	81.92	78.41	79.02	66.75	57.41	28.63	40.26	53.01	57.36	49.13	58.88	58.51	709
1956	Wet	42.01	38.46	32.59	67.29	84.89	90.99	78.29	82.44	80.52	83.22	83.50	81.06	845
1957	Above Normal	78.97	75.52	76.18	90.68	76.67	90.99	85.12	65.59	64.36	66.41	66.61	64.58	902
1958	Wet	62.70	59.83	60.47	90.68	82.18	90.99	85.08	84.52	82.32	85.23	85.66	83.05	953
1959	Below Normal	81.09	77.46	78.08	90.68	82.01	71.90	67.76	69.57	68.21	70.46	70.65	68.45	896
1960	Dry	66.68	63.54	64.20	57.11	52.19	23.97	56.93	71.61	74.97	69.80	80.17	79.12	760
1961	Dry	64.64	61.66	56.65	26.58	27.79	37.08	52.84	69.85	73.73	67.83	79.24	78.27	696
1962	Below Normal	62.76	59.75	53.98	23.40	22.17	74.69	88.06	90.99	86.84	90.99	90.99	88.06	833
1963	Wet	89.10	85.70	84.64	90.68	76.00	90.99	88.06	90.99	85.61	90.99	90.07	85.48	1,048
1964	Dry	83.39	79.83	80.44	58.71	79.32	86.30	54.60	61.46	62.04	61.24	65.57	63.97	837
1965	Wet	57.17	54.17	52.16	89.65	76.21	66.34	63.26	61.49	60.03	62.31	62.48	60.44	766
1966	Below Normal	58.82	55.90	56.59	90.68	76.99	90.99	76.90	79.32	77.48	80.05	80.40	77.91	902
1967	Wet	75.98	72.55	73.21	66.89	82.18	90.99	83.10	86.52	84.26	87.28	87.75	85.12	976
1968	Below Normal	82.97	85.69	84.64	90.68	85.12	90.99	68.07	71.56	70.17	72.38	72.56	70.38	945
1969	Wet	68.49	65.33	66.01	62.64	82.18	90.99	88.06	86.55	84.29	87.23	87.68	85.07	955
1970	Wet	82.83	79.32	84.64	90.68	82.18	90.99	77.66	81.97	80.10	82.70	83.03	80.51	997
1971	Wet	78.52	75.03	75.68	87.08	77.23	90.99	88.06	90.99	81.77	90.99	81.25	88.06	1,006
1972	Below Normal	90.99	78.06	77.98	70.45	80.84	90.99	45.04	58.10	61.78	56.33	65.59	64.90	841
1973	Above Normal	50.60	48.03	41.67	73.50	75.99	90.99	74.60	78.63	76.91	79.28	79.60	77.17	847
1974	Wet	75.22	71.82	72.46	86.06	76.82	90.99	79.23	81.94	80.18	82.68	83.02	80.60	961
1975	Wet	78.58	74.99	75.65	87.95	76.17	90.99	80.90	83.96	82.06	84.66	85.03	82.57	984
1976	Critical	80.43	76.92	77.55	90.06	79.82	90.99	76.51	58.96	57.73	59.65	59.76	57.93	866
1977	Critical	56.26	53.44	54.11	48.72	44.37	17.68	17.40	22.15	24.37	18.39	18.18	17.36	392
1978	Above Normal	10.13	6.55	6.11	4.05	64.37	90.99	88.06	90.99	83.51	90.99	90.99	88.06	715
1979	Below Normal	90.99	87.81	84.64	28.87	82.18	81.69	77.47	80.29	78.35	80.90	81.30	78.93	933
1980	Above Normal	76.85	73.51	74.06	90.68	79.83	90.99	76.35	73.73	71.88	74.56	74.86	72.58	930
1981	Dry	70.73	67.46	68.08	90.68	76.16	90.99	70.59	72.80	71.46	73.57	73.85	71.62	898
1982	Wet	69.61	66.47	67.13	87.78	76.82	90.99	88.06	81.93	79.97	82.62	82.94	80.42	955
1983	Wet	78.47	74.92	84.64	90.68	82.18	90.99	82.43	86.71	84.73	87.48	82.92	80.47	1,007
1984	Wet	84.10	80.55	84.64	90.68	85.12	90.99	77.50	81.80	79.73	82.60	82.91	80.48	1,001
1985	Dry	78.31	74.92	75.58	90.68	77.24	90.99	88.06	79.11	75.56	58.93	55.28	81.49	926
1986	Wet	79.76	76.40	77.18	59.55	55.65	90.99	72.38	69.86	68.05	70.49	70.96	68.59	860
1987	Dry	66.68	63.91	64.37	87.74	82.18	78.33	62.60	64.37	62.90	65.03	65.30	63.26	827
1988	Critical	61.55	58.61	59.24	51.11	45.45	20.15	38.78	52.34	56.32	41.97	41.48	40.24	567
1989	Dry	24.12	16.30	14.28	5.87	8.42	6.95	88.06	90.99	85.42	90.99	90.99	88.06	610
1990	Critical	90.99	87.81	84.64	4.50	5.43	4.19	39.22	52.78	56.85	42.33	41.87	40.48	551
1991	Critical	24.26	16.52	14.66	5.22	5.37	3.16	34.85	47.00	50.66	37.87	37.43	36.24	313
1992	Critical	21.67	14.68	13.12	4.83	5.35	6.37	39.94	57.25	61.82	51.41	59.80	59.33	396
1993	Above Normal	41.19	36.46	31.26	8.75	78.85	90.99	83.78	88.35	86.07	89.03	89.50	86.86	811
1994	Critical	84.71	81.09	81.63	83.32	82.18	76.47	45.52	55.13	57.21	54.32	60.43	59.37	821
1995	Wet	49.24	46.57	42.50	29.58	82.18	90.99	85.14	88.25	85.93	89.04	89.52	86.85	866
1996	Wet	84.70	81.10	84.64	90.68	85.12	90.99	70.20	76.39	74.66	77.20	77.48	75.09	968
1997	Wet	73.14	69.87	70.54	86.33	76.81	90.99	56.28	57.90	56.59	58.62	58.72	56.91	813
1998	Wet	55.13	52.43	53.14	90.68	77.74	90.99	79.66	82.39	80.30	83.37	83.74	81.18	911
1999	Wet	79.08	81.99	84.64	90.68	82.18	90.99	72.49	76.32	74.44	77.31	77.63	75.23	963
2000	Above Normal	73.22	69.98	70.64	56.47	79.23	90.99	85.22	88.33	85.94	89.24	89.74	87.01	966
2001	Dry	84.77	81.29	81.84	66.60	61.19	54.11	40.33	58.99	63.77	56.49	69.40	69.13	788
2002	Dry	51.38	49.20	41.36	12.16	63.66	15.89	63.35	66.48	65.05	67.11	68.41	66.31	630
2003	Above Normal	63.35	60.65	60.74	74.83	79.09	70.56	73.00						

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Energy Use (GWh) At Pumping Plant at Pearblossom: CP4B_2020

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	90.99	87.81	81.11	2.04	59.40	90.99	85.08	89.79	87.16	90.52	90.99	88.06	944
1923	Below Normal	86.10	82.56	83.10	84.64	82.18	90.99	88.06	90.99	82.16	90.99	90.99	77.64	1,030
1924	Critical	74.78	71.39	72.07	54.63	49.99	20.13	22.90	30.14	32.52	24.53	24.24	23.28	501
1925	Dry	13.65	9.12	8.29	58.29	67.54	6.25	46.86	57.80	62.64	50.94	57.95	57.42	497
1926	Dry	38.85	33.24	28.72	8.53	79.33	46.60	53.82	81.90	79.79	82.44	83.00	80.43	697
1927	Wet	78.42	75.35	75.65	46.72	80.41	90.99	86.44	89.65	87.26	90.39	90.85	88.06	980
1928	Above Normal	85.99	82.40	82.93	79.87	79.73	90.99	74.14	70.93	69.13	71.59	71.91	69.68	929
1929	Critical	67.71	64.76	65.35	54.32	50.47	21.24	44.96	61.39	65.97	49.03	48.61	47.02	641
1930	Dry	28.24	19.33	17.02	6.39	13.73	62.31	46.77	68.17	73.78	65.21	79.73	79.36	560
1931	Critical	59.70	57.02	48.31	14.09	14.91	7.79	43.37	58.68	62.95	46.86	46.40	44.81	505
1932	Dry	26.83	18.39	16.22	6.27	76.73	9.09	41.10	58.49	63.32	50.01	55.03	54.54	476
1933	Critical	35.56	28.73	25.04	7.85	13.86	40.51	36.95	53.38	57.89	49.59	59.26	58.80	467
1934	Critical	42.31	38.62	32.71	9.43	26.82	10.02	36.12	52.43	56.64	50.09	61.43	61.16	478
1935	Below Normal	45.43	43.36	36.49	9.86	13.50	66.24	69.10	90.99	79.52	90.70	90.99	88.06	724
1936	Below Normal	90.99	46.01	36.72	3.64	5.95	89.96	86.53	90.99	86.97	90.99	90.99	88.06	808
1937	Below Normal	88.40	79.31	49.11	3.82	6.11	57.39	85.23	90.13	87.38	90.66	90.99	88.06	817
1938	Wet	86.50	83.31	83.66	90.68	82.18	90.99	88.06	82.67	80.83	83.46	83.77	81.28	1,017
1939	Dry	79.23	75.73	76.38	90.68	82.18	70.94	67.27	70.68	69.14	71.46	71.71	69.48	895
1940	Above Normal	67.58	64.50	65.17	28.66	28.37	90.99	87.86	90.99	82.22	90.99	90.99	88.06	876
1941	Wet	90.99	87.81	84.64	90.68	82.18	90.99	88.06	90.99	81.42	90.99	90.31	81.97	1,051
1942	Wet	79.93	76.48	77.11	87.32	77.34	90.99	79.46	82.16	80.29	83.05	83.37	80.81	978
1943	Wet	78.85	75.34	76.00	87.38	77.36	90.99	70.44	69.03	67.27	69.82	69.99	67.92	900
1944	Dry	66.04	62.94	63.62	50.73	65.73	90.99	84.17	85.36	82.80	85.97	86.50	83.91	909
1945	Below Normal	81.83	78.52	78.98	54.00	52.47	90.99	83.74	86.10	83.74	86.76	87.31	84.68	949
1946	Below Normal	82.57	79.29	79.72	89.13	82.18	90.99	88.06	90.99	88.00	76.85	77.14	74.78	1,000
1947	Dry	72.77	70.21	59.17	59.17	56.73	30.54	72.58	76.63	74.29	77.03	77.58	75.23	812
1948	Below Normal	73.24	70.48	70.86	27.42	25.88	11.08	45.19	88.18	85.65	88.79	89.43	86.74	763
1949	Dry	84.50	81.34	81.61	52.14	48.16	19.96	40.70	57.10	61.99	54.54	66.68	66.56	715
1950	Below Normal	49.39	47.43	39.89	10.44	12.41	19.16	81.90	86.35	83.64	86.85	87.51	84.76	690
1951	Above Normal	82.77	79.69	80.04	90.68	82.18	90.99	79.78	82.47	80.56	83.22	83.54	81.07	997
1952	Wet	79.00	75.53	76.18	84.64	85.12	90.99	88.06	81.84	79.60	82.60	82.90	80.44	987
1953	Wet	79.21	80.55	84.64	90.68	82.18	90.99	77.27	81.29	79.25	82.21	82.45	80.05	991
1954	Above Normal	78.02	74.59	75.25	90.68	76.42	90.99	88.06	90.99	83.20	90.99	90.61	83.95	1,014
1955	Dry	81.91	78.40	79.01	66.76	57.43	28.73	38.59	50.53	54.68	48.33	59.43	59.16	703
1956	Wet	43.97	41.82	35.18	67.12	85.12	90.99	78.35	82.50	80.57	83.28	83.57	81.13	854
1957	Above Normal	79.03	75.58	76.23	90.68	76.67	90.99	85.16	65.60	64.37	66.42	66.62	64.59	902
1958	Wet	62.71	59.84	60.48	90.68	82.18	90.99	85.09	84.53	82.33	85.24	85.67	83.06	953
1959	Below Normal	81.10	77.47	78.09	90.68	82.18	71.90	67.76	69.57	68.21	70.46	70.65	68.45	897
1960	Dry	66.68	63.53	64.20	57.11	52.19	23.99	57.05	71.63	74.94	69.84	80.13	79.07	760
1961	Dry	64.69	61.72	56.76	26.77	36.37	40.02	52.81	69.84	73.73	67.82	79.24	78.27	708
1962	Below Normal	62.75	59.73	53.95	23.28	21.87	41.57	86.07	90.62	87.98	90.99	90.99	88.06	798
1963	Wet	87.32	84.15	84.50	90.68	82.18	90.99	88.06	90.99	86.99	87.67	87.93	85.33	1,047
1964	Dry	83.24	79.69	80.29	65.97	79.25	90.99	59.28	59.95	59.63	60.24	62.54	60.75	842
1965	Wet	56.51	53.62	52.91	90.68	75.98	66.37	63.29	61.52	60.05	62.33	62.50	60.46	766
1966	Below Normal	58.84	55.92	56.61	90.67	76.81	90.99	75.36	79.17	77.34	79.90	80.25	77.76	900
1967	Wet	75.83	72.40	73.07	70.35	81.97	90.99	82.82	86.22	83.98	87.00	87.46	84.83	977
1968	Below Normal	82.69	85.42	84.64	90.68	85.12	90.99	68.07	71.56	70.17	72.38	72.56	70.38	945
1969	Wet	68.49	65.33	66.01	62.83	82.18	90.99	88.06	86.53	84.27	87.21	87.66	85.06	955
1970	Wet	82.81	79.30	84.64	90.68	82.18	90.99	77.66	81.97	80.10	82.70	83.03	80.51	997
1971	Wet	78.52	75.03	75.68	87.08	77.23	90.99	88.06	90.99	81.77	90.99	81.25	88.06	1,006
1972	Below Normal	90.99	78.06	77.98	70.46	90.84	90.99	44.15	58.07	61.79	56.29	65.60	64.92	840
1973	Above Normal	50.54	47.98	41.57	90.68	82.18	90.99	74.61	78.65	76.93	79.29	79.61	77.19	870
1974	Wet	75.24	71.84	72.48	86.06	82.18	90.99	79.23	81.94	80.18	82.68	83.02	80.60	966
1975	Wet	78.58	74.99	75.65	87.95	82.18	90.99	80.90	83.96	82.06	84.66	85.03	82.57	990
1976	Critical	80.43	76.92	77.55	90.06	85.12	90.99	76.45	58.98	57.75	59.67	59.77	57.95	872
1977	Critical	56.28	53.46	54.13	48.73	44.38	17.68	17.39	22.14	24.36	18.39	18.18	17.36	392
1978	Above Normal	10.13	6.55	6.11	44.86	82.18	90.99	88.06	90.99	83.50	90.99	90.99	88.06	773
1979	Below Normal	90.99	87.81	84.64	28.98	82.18	81.79	77.46	80.28	78.35	80.89	81.30	78.92	934
1980	Above Normal	76.85	73.51	74.05	90.68	85.12	90.99	76.07	73.82	71.96	74.65	74.95	72.66	935
1981	Dry	70.81	67.54	68.16	90.68	76.16	90.99	70.60	72.81	71.47	73.58	73.86	71.63	898
1982	Wet	69.62	66.48	67.14	87.78	82.18	90.99	88.06	81.93	79.97	82.62	82.94	80.42	960
1983	Wet	78.47	74.92	84.64	90.68	82.18	90.99	82.43	86.71	84.73	87.48	82.92	80.47	1,007
1984	Wet	84.10	80.55	84.64	90.68	85.12	90.99	77.50	81.80	79.73	82.60	82.91	80.48	1,001
1985	Dry	78.31	74.92	75.58	90.68	77.24	90.99	88.06	77.16	74.56	61.52	48.43	80.83	918
1986	Wet	79.12	75.78	76.57	58.91	55.09	90.99	72.38	69.86	68.05	70.49	70.95	68.59	857
1987	Dry	66.68	63.91	64.37	88.64	82.18	79.27	62.96	64.75	63.27	65.41	65.68	63.64	831
1988	Critical	61.93	58.97	59.60	51.47	45.72	20.27	38.78	52.33	56.31	41.97	41.48	40.24	569
1989	Dry	24.12	16.30	14.28	5.86	8.32	6.87	88.06	90.99	85.40	90.99	90.99	88.06	610
1990	Critical	90.99	87.81	79.73	3.67	4.85	4.13	39.91	53.74	57.89	43.09	42.62	41.21	550
1991	Critical	24.70	16.83	14.91	5.32	5.47	3.21	36.39	49.15	52.97	39.56	39.10	37.87	325
1992	Critical	22.66	15.39	13.72	5.01	5.50	5.01	40.04	55.66	60.13	51.04	60.51	60.11	395
1993	Above Normal	42.73	38.98	33.18	9.10	78.45	90.99	84.10	88.45	86.16	89.13	89.60	86.95	818
1994	Critical	84.80	81.18	81.72	83.30	82.18	76.46	45.51	55.13	57.22	54.32	60.44	59.37	822
1995	Wet	49.24	46.57	42.50	29.56	82.18	90.99	85.12	88.24	85.91	89.03	89.51	86.84	866
1996	Wet	84.68	81.08	84.64	90.68	85.12	90.99	70.20	76.39	74.66	77.20	77.48	75.09	968
1997	Wet	73.14	69.87	70.54	86.33	76.81	90.99	56.28	57.90	56.59	58.62	58.72	56.91	813
1998	Wet	55.13	52.43	53.14	90.68	77.74	90.99	79.66	82.38	80.30	83.36	83.73	81.17	911
1999	Wet	79.08	81.99	84.64	90.68	82.18	90.99	72.49	76.32	74.44	77.31	77.63	75.23	963
2000	Above Normal	73.22	69.98	70.64	56.49	85.12	90.99	85.22	88.32	85.93	89.24	89.74	87.01	972
2001	Dry	84.76	81.29	81.84	66.60	61.19	54.13	40.34	59.00	63.78	56.51	69.42	69.15	788
2002	Dry	51.39	49.21	41.37	12.16	63.73	15.89	63.38	66.48	65.03	67.12	68.39	66.28	630
2003	Above Normal	63.35	60.66	60.77	75.27	79.07	70.74							

Difference in Energy Use (GWh) At Pumping Plant at Pearblossom: CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norm	0	0	0	0	5	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	53	16	0	0	0	0	0	0	0	6
1926	Dry	0	0	0	0	18	0	0	0	0	0	0	0	1
1927	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1928	Above Norm	0	0	0	-2	0	0	1	1	1	1	1	1	0
1929	Critical	1	1	1	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	0	0	-1	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	-1	-1	-1	-1	-1	-1	0
1932	Dry	0	0	0	0	17	-1	1	2	2	0	-2	-2	1
1933	Critical	-2	-3	-3	0	0	0	2	2	3	1	0	0	0
1934	Critical	-2	-3	-2	-1	14	0	0	0	0	0	0	0	0
1935	Below Norm	0	0	0	0	0	-1	0	0	0	0	0	0	0
1936	Below Norm	0	1	-1	0	0	0	0	0	0	0	0	0	0
1937	Below Norm	0	2	20	0	0	1	0	0	0	0	0	0	2
1938	Wet	0	0	0	0	5	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	-4	-1	1	1	1	1	1	0
1940	Above Norm	1	1	1	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	5	2	0	0	0	-1	0	-1	-6	0
1942	Wet	-9	-2	-2	-1	0	0	0	0	0	0	0	0	-1
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1945	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1946	Below Norm	0	0	0	0	5	0	0	0	1	0	0	0	1
1947	Dry	0	0	0	-1	0	0	1	1	1	1	1	1	1
1948	Below Norm	1	1	1	-2	-1	0	0	0	0	0	0	0	0
1949	Dry	0	0	0	1	1	0	1	1	1	1	1	1	1
1950	Below Norm	1	1	1	0	0	0	0	0	0	0	0	0	0
1951	Above Norm	0	0	0	0	5	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	7	0	0	0	0	0	0	0	1
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	-2	-2	-3	-1	1	1	-1
1956	Wet	2	3	3	0	0	0	0	0	0	0	0	0	1
1957	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1961	Dry	0	0	0	0	9	3	0	0	0	0	0	0	1
1962	Below Norm	0	0	0	0	0	-33	-2	0	1	0	0	0	-3
1963	Wet	-2	-2	0	0	6	0	0	0	1	-3	-2	0	0
1964	Dry	0	0	0	7	0	5	5	-2	-2	-1	-3	-3	0
1965	Wet	-1	-1	1	1	0	0	0	0	0	0	0	0	0
1966	Below Norm	0	0	0	0	0	0	-2	0	0	0	0	0	0
1967	Wet	0	0	0	3	0	0	0	0	0	0	0	0	0
1968	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Norm	0	0	0	0	0	0	-1	0	0	0	0	0	0
1973	Above Norm	0	0	0	17	6	0	0	0	0	0	0	0	2
1974	Wet	0	0	0	0	5	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	6	0	0	0	0	0	0	0	1
1976	Critical	0	0	0	0	5	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Norm	0	0	0	41	18	0	0	0	0	0	0	0	5
1979	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	Above Norm	0	0	0	0	5	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	5	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	-2	-1	3	-7	-1	-1
1986	Wet	-1	-1	-1	-1	-1	0	0	0	0	0	0	0	0
1987	Dry	0	0	0	1	0	1	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	-5	-1	-1	0	1	1	1	1	1	1	0
1991	Critical	0	0	0	0	0	0	2	2	2	2	2	2	1
1992	Critical	1	1	1	0	0	-1	0	-2	-2	0	1	1	0
1993	Above Norm	2	3	2	0	0	0	0	0	0	0	0	0	1
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norm	0	0	0	0	6	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	Above Norm	0	0	0	0	0	0	0	0	0	0	5	0	1
Average		0	0	0	2	2	0	0	0	0	0	0	0	0
Wet		0	0	0	0	1	0	0	0	0	0	0	0	0
Above Norm		0	0	0	5	3	0	0	0	0	0	0	0	1
Below Norm		0	0	2	0	1	-2	0	0	0	0	0	0	0
Dry		0	0	0	3	3	0	0	0	0	0	0	0	1
Critical		0	0	-1	0	2	0	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at Pearblossom: CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1923	Below Norma	0%	0%	0%	0%	7%	0%	0%	0%	0%	0%	0%	0%
1924	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1925	Dry	0%	0%	0%	1088%	30%	0%	0%	0%	0%	0%	0%	0%
1926	Dry	0%	0%	0%	0%	29%	0%	0%	0%	0%	0%	0%	0%
1927	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1928	Above Norma	0%	0%	0%	-2%	0%	0%	1%	1%	1%	1%	1%	1%
1929	Critical	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1930	Dry	0%	0%	0%	1%	0%	-1%	0%	0%	0%	0%	0%	0%
1931	Critical	0%	0%	0%	0%	1%	0%	-1%	-1%	-1%	-1%	-1%	-1%
1932	Dry	-1%	-1%	-1%	-1%	28%	-12%	4%	3%	3%	0%	-3%	-3%
1933	Critical	-6%	-10%	-9%	-6%	-1%	0%	6%	5%	2%	-1%	-1%	-1%
1934	Critical	-4%	-7%	-7%	-5%	103%	-2%	0%	0%	0%	0%	0%	0%
1935	Below Norma	0%	0%	0%	0%	0%	-1%	-1%	0%	0%	0%	0%	0%
1936	Below Norma	0%	1%	-3%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1937	Below Norma	-1%	3%	70%	0%	0%	2%	0%	0%	0%	0%	0%	0%
1938	Wet	0%	0%	0%	0%	6%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	0%	-5%	-1%	1%	1%	1%	1%	1%
1940	Above Norma	1%	1%	1%	-2%	-1%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	6%	2%	0%	0%	0%	-2%	0%	-1%	-7%
1942	Wet	-10%	-2%	-2%	-1%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1944	Dry	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%
1945	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1946	Below Norma	0%	0%	0%	0%	7%	0%	0%	0%	2%	0%	0%	0%
1947	Dry	0%	0%	0%	-1%	0%	1%	2%	2%	2%	2%	2%	2%
1948	Below Norma	2%	2%	2%	-5%	-5%	-4%	0%	0%	0%	0%	0%	0%
1949	Dry	0%	0%	0%	2%	1%	2%	2%	2%	2%	2%	2%	2%
1950	Below Norma	2%	2%	2%	2%	2%	1%	0%	0%	0%	0%	0%	0%
1951	Above Norma	0%	0%	0%	0%	6%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	8%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1955	Dry	0%	0%	0%	0%	0%	0%	-4%	-5%	-5%	-2%	1%	1%
1956	Wet	5%	9%	8%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1958	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1960	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1961	Dry	0%	0%	0%	1%	31%	8%	0%	0%	0%	0%	0%	0%
1962	Below Norma	0%	0%	0%	-1%	-1%	-44%	-2%	0%	1%	0%	0%	0%
1963	Wet	-2%	-2%	0%	0%	8%	0%	0%	2%	2%	-4%	-2%	0%
1964	Dry	0%	0%	0%	12%	0%	5%	9%	-2%	-4%	-2%	-5%	-5%
1965	Wet	-1%	-1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1966	Below Norma	0%	0%	0%	0%	0%	0%	-2%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	0%	5%	0%	0%	0%	0%	0%	0%	0%	0%
1968	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1969	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1972	Below Norma	0%	0%	0%	0%	0%	0%	-2%	0%	0%	0%	0%	0%
1973	Above Norma	0%	0%	0%	23%	8%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	7%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	8%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	7%	0%	0%	0%	0%	0%	0%	0%
1977	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1978	Above Norma	0%	0%	0%	1008%	28%	0%	0%	0%	0%	0%	0%	0%
1979	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1980	Above Norma	0%	0%	0%	0%	7%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1982	Wet	0%	0%	0%	0%	7%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	0%	-2%	-1%	4%	-12%	-1%
1986	Wet	-1%	-1%	-1%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%
1987	Dry	0%	0%	0%	1%	0%	1%	1%	1%	1%	1%	1%	1%
1988	Critical	1%	1%	1%	1%	1%	1%	0%	0%	0%	0%	0%	0%
1989	Dry	0%	0%	0%	0%	-1%	-1%	0%	0%	0%	0%	0%	0%
1990	Critical	0%	0%	-6%	-19%	-11%	-1%	2%	2%	2%	2%	2%	2%
1991	Critical	2%	2%	2%	2%	2%	1%	4%	5%	5%	4%	4%	5%
1992	Critical	5%	5%	5%	4%	3%	-21%	0%	-3%	-3%	-1%	1%	1%
1993	Above Norma	4%	7%	6%	4%	-1%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1995	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1998	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norma	0%	0%	0%	0%	7%	0%	0%	0%	0%	0%	0%	0%
2001	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2002	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2003	Above Norma	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	70%	0%
Average		0%	0%	1%	26%	4%	-1%	0%	0%	0%	0%	1%	0%
Wet		0%	0%	0%	0%	2%	0%	0%	0%	0%	0%	0%	0%
Above Norma		0%	1%	1%	86%	5%	0%	0%	0%	0%	6%	0%	0%
Below Norma		0%	0%	5%	0%	1%	-3%	0%	0%	0%	0%	0%	0%
Dry		0%	0%	0%	61%	7%	0%	1%	0%	0%	-1%	0%	0%
Critical		0%	-1%	-1%	-2%	9%	-2%	1%	1%	1%	0%	0%	0%

Energy Use (GWh) At Pumping Plant at South Bay: CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	20.05	8.29	11.59	0.71	9.03	21.07	20.07	19.22	19.94	19.59	18.61	19.42	188
1923	Below Normal	9.74	10.26	12.87	13.29	12.39	21.07	17.76	16.64	17.44	17.24	16.44	16.91	182
1924	Critical	7.35	8.27	10.93	1.03	1.73	9.75	6.24	2.80	3.36	3.76	3.73	3.61	63
1925	Dry	0.85	0.65	0.30	12.42	6.01	0.09	12.56	10.75	7.41	8.66	8.55	8.22	76
1926	Dry	1.55	0.98	3.62	4.53	19.03	6.04	14.65	17.29	17.68	17.23	16.24	17.25	136
1927	Wet	7.98	8.90	11.68	1.25	19.03	21.07	15.95	19.01	19.74	19.40	18.41	19.16	182
1928	Above Normal	9.61	10.14	12.74	5.52	10.32	17.62	16.48	15.04	15.68	15.39	14.65	15.14	158
1929	Critical	5.81	7.03	9.89	1.07	2.23	10.76	8.22	5.16	6.24	6.98	7.00	6.94	77
1930	Dry	1.75	1.34	1.00	3.09	19.03	8.10	7.00	8.64	10.85	17.70	12.77	12.15	103
1931	Critical	3.38	3.59	7.10	7.05	7.70	12.61	8.28	5.15	6.09	6.91	6.84	6.72	81
1932	Dry	1.70	1.30	0.59	3.05	19.71	4.46	4.87	5.91	7.31	8.48	8.43	8.23	74
1933	Critical	1.55	0.99	3.48	4.41	19.03	7.63	5.22	6.29	7.95	9.69	9.51	8.97	85
1934	Critical	1.28	0.64	5.12	5.57	19.03	3.34	5.46	6.61	8.22	9.90	9.80	9.31	84
1935	Below Normal	1.31	0.98	5.28	5.57	6.51	21.07	17.27	20.71	20.39	20.55	19.51	20.39	160
1936	Below Normal	11.73	12.09	14.80	0.35	1.96	21.07	20.14	19.16	19.71	19.37	18.39	19.27	178
1937	Below Normal	9.73	10.28	12.93	0.43	2.04	21.07	18.80	18.57	18.99	18.61	17.63	18.62	168
1938	Wet	9.18	9.87	12.58	11.35	12.42	21.07	20.39	21.07	18.49	18.17	17.29	17.86	190
1939	Dry	8.24	8.99	21.07	19.79	3.79	14.99	16.47	14.92	15.71	15.48	14.75	15.15	169
1940	Above Normal	5.73	6.94	9.75	0.86	2.36	21.07	20.39	20.31	20.39	20.51	19.53	20.39	168
1941	Wet	10.90	11.27	13.86	6.21	12.99	21.07	19.45	18.21	19.00	18.71	17.79	18.41	188
1942	Wet	8.81	9.47	12.08	12.05	19.03	21.07	14.61	17.49	18.42	18.14	17.26	17.77	186
1943	Wet	8.22	8.95	11.57	21.07	19.03	16.25	16.95	14.84	15.56	15.41	14.65	15.05	178
1944	Dry	5.63	6.85	9.66	1.31	4.40	20.64	18.98	17.91	18.42	18.09	17.21	18.07	157
1945	Below Normal	8.56	9.29	12.02	1.28	14.15	8.15	19.17	17.94	18.56	18.20	17.23	18.11	163
1946	Below Normal	8.64	9.37	12.10	12.62	12.35	19.76	17.45	16.13	16.97	16.75	15.96	16.41	175
1947	Dry	6.90	7.90	10.62	1.27	2.53	19.78	13.12	15.53	15.81	15.43	14.60	15.54	139
1948	Below Normal	6.25	7.49	10.43	0.77	1.57	9.58	8.78	18.34	18.61	18.15	17.11	18.39	135
1949	Dry	9.04	9.81	12.60	1.02	2.08	10.20	9.74	6.96	8.74	10.47	10.31	9.86	101
1950	Below Normal	1.39	1.74	5.62	5.77	6.89	21.07	14.96	17.62	17.95	17.62	16.66	17.67	145
1951	Above Normal	8.29	9.18	11.96	11.73	19.03	21.07	14.66	17.57	18.42	18.09	17.27	17.83	185
1952	Wet	8.22	8.97	11.59	13.29	12.39	21.07	20.39	21.07	18.21	18.03	17.16	17.71	188
1953	Wet	20.14	16.84	16.26	18.08	4.10	21.07	14.42	17.21	18.11	17.90	17.00	17.59	199
1954	Above Normal	7.98	8.77	11.41	10.25	10.89	21.07	18.15	18.14	18.93	18.65	17.68	18.32	180
1955	Dry	8.74	9.40	12.02	1.31	2.29	11.07	8.86	6.26	7.75	9.22	9.16	8.79	95
1956	Wet	1.40	0.74	4.60	15.83	19.71	21.07	14.05	16.79	17.65	17.40	16.62	16.99	163
1957	Above Normal	7.48	8.39	11.13	10.24	10.43	17.92	15.70	14.02	14.85	14.58	13.85	14.25	153
1958	Wet	4.91	6.29	9.18	21.07	16.97	17.40	18.41	18.00	18.80	18.47	17.68	18.25	185
1959	Below Normal	8.64	9.30	21.07	19.80	15.84	7.88	16.48	14.90	15.77	15.53	14.75	15.12	175
1960	Dry	5.77	6.94	9.74	0.88	1.58	11.15	13.30	11.14	12.85	14.04	13.59	13.43	114
1961	Dry	4.49	4.96	8.26	4.91	19.03	7.72	8.74	10.40	12.25	13.72	13.36	13.03	121
1962	Below Normal	4.16	4.56	7.91	5.23	5.50	20.40	19.79	18.59	19.18	18.82	17.92	18.67	161
1963	Wet	9.23	9.92	12.66	10.18	11.69	18.53	17.58	18.35	19.16	18.79	17.94	18.61	183
1964	Dry	9.01	9.64	12.24	1.54	11.25	14.86	13.59	11.52	12.58	13.07	12.58	12.66	135
1965	Wet	3.64	4.81	7.98	12.98	19.03	17.21	15.77	13.27	13.96	13.82	13.21	13.40	149
1966	Below Normal	4.22	5.69	8.59	12.78	19.03	21.07	14.17	16.92	17.79	17.42	16.69	17.14	172
1967	Wet	7.60	8.46	11.11	3.19	19.03	21.07	18.45	21.07	19.19	18.93	18.06	18.71	185
1968	Below Normal	9.08	20.39	17.46	17.98	17.19	15.76	12.77	15.28	16.18	15.88	15.11	15.54	189
1969	Wet	6.08	7.23	10.00	3.23	19.03	21.07	18.64	21.07	19.22	18.90	18.02	18.68	181
1970	Wet	9.04	9.67	21.07	21.00	17.20	16.14	14.47	17.44	18.27	17.97	17.08	17.63	197
1971	Wet	8.05	8.85	11.48	12.50	12.44	18.93	18.77	17.71	18.59	18.31	17.47	18.02	181
1972	Below Normal	8.40	9.14	11.75	3.57	9.79	17.08	10.77	8.37	10.07	11.54	11.38	10.98	123
1973	Above Normal	2.00	2.94	6.41	21.07	19.03	17.75	14.05	16.84	17.65	17.30	16.47	16.98	169
1974	Wet	7.48	8.37	11.07	13.26	19.03	21.07	14.50	17.42	18.34	18.00	17.17	17.70	183
1975	Wet	8.12	8.85	11.48	15.18	19.03	18.27	14.77	17.83	18.65	18.27	17.43	18.04	186
1976	Critical	8.42	9.15	11.78	11.29	9.97	18.04	14.41	12.69	13.38	13.18	12.51	12.82	148
1977	Critical	3.62	5.22	8.19	0.78	1.29	9.25	5.77	2.07	2.69	2.97	2.95	2.75	48
1978	Above Normal	0.62	0.47	0.22	10.55	9.91	16.88	19.32	21.07	20.39	20.13	19.15	20.03	159
1979	Below Normal	10.46	10.83	13.43	1.52	9.88	19.74	18.25	17.10	17.73	17.39	16.51	17.23	170
1980	Above Normal	7.75	8.62	11.37	9.50	17.39	21.07	17.38	15.69	16.41	16.21	15.41	15.89	173
1981	Dry	6.51	7.59	10.36	11.35	12.47	21.07	14.17	15.57	16.46	16.08	15.31	15.75	163
1982	Wet	6.29	7.43	10.20	13.20	12.31	21.07	20.39	17.43	18.24	17.96	17.15	17.65	179
1983	Wet	8.07	8.82	21.07	20.42	16.85	17.70	18.03	21.04	20.39	21.07	17.18	20.39	211
1984	Wet	20.13	16.84	16.26	18.07	16.94	17.74	14.51	17.49	18.31	18.05	17.17	17.73	209
1985	Dry	8.05	8.83	11.47	10.22	9.31	18.11	17.75	16.36	17.20	16.88	15.99	16.51	167
1986	Wet	7.11	8.07	10.83	0.96	14.36	18.77	17.01	19.45	15.22	14.91	14.16	14.70	156
1987	Dry	5.53	6.85	9.76	8.91	9.23	17.21	15.51	13.81	14.46	14.14	13.53	13.90	143
1988	Critical	4.67	6.07	8.99	1.01	2.11	10.81	7.77	4.48	5.45	6.19	6.10	6.05	70
1989	Dry	1.52	1.16	0.53	1.49	3.96	20.37	16.24	19.01	19.47	19.01	17.98	19.10	140
1990	Critical	9.65	10.29	12.99	0.40	1.24	10.04	7.93	4.62	5.59	6.27	6.23	6.14	81
1991	Critical	1.50	1.15	0.52	1.33	2.71	9.68	7.56	4.28	5.20	5.84	5.69	5.66	51
1992	Critical	1.33	1.01	0.46	0.86	2.12	20.03	5.21	6.32	7.69	9.02	8.99	8.64	72
1993	Above Normal	1.50	0.89	4.33	4.73	14.89	21.07	19.27	18.18	18.93	18.62	17.80	18.33	159
1994	Critical	8.81	9.49	12.21	9.61	8.93	18.26	11.42	9.09	10.52	11.48	11.22	10.96	132
1995	Wet	1.91	3.14	6.49	4.09	15.66	21.07	20.39	18.13	18.88	18.62	17.78	18.31	164
1996	Wet	8.79	9.49	21.07	21.07	17.14	16.68	13.17	16.30	17.17	16.92	16.13	16.52	190
1997	Wet	7.04	8.00	10.70	13.25	19.03	20.13	10.39	12.59	13.29	13.09	12.50	12.75	153
1998	Wet	3.46	5.09	8.03	11.35	19.03	21.07	18.17	17.48	18.40	18.17	17.35	17.87	175
1999	Wet	16.16	16.99	16.39	18.07	15.84	17.81	13.58	16.33	17.16	16.81	16.11	16.58	198
2000	Above Normal	7.09	8.01	10.71	1.69	11.38	21.07	19.98	19.01	19.77	19.30	18.42	19.16	176
2001	Dry	9.53	10.07	12.69	1.24	2.60	20.11	6.04	7.54	9.30	11.12	11.01	10.49	112
2002	Dry	1.77	2.43	6.00	6.69	13.75	13.04	15.53	13.73	14.33	14.18	13.44	14.04	129
2003	Above Normal	4.83	6.21	9.21	7.72	10.89	15.63	17.33	19.39	20.10	19.74	18.71	19.58	169
Average		7	7	10	8	11	17	15	15	15	15	15	15	150
Wet		8	9	12	13	16	19	17	18	18	18	17	17	182
Above Normal		7	7	9	8	12	19	18	18	18	18	17	18</	

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Energy Use (GWh) At Pumping Plant at South Bay: CP4B_2020

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	20.05	8.29	11.59	0.71	9.03	21.07	20.07	19.22	19.94	19.59	18.61	19.42	188
1923	Below Normal	9.74	10.26	12.87	13.29	12.39	21.07	17.76	16.64	17.44	17.24	16.44	16.91	182
1924	Critical	7.35	8.27	10.93	1.03	1.73	9.75	6.24	2.80	3.36	3.76	3.73	3.61	63
1925	Dry	0.85	0.65	0.30	12.42	6.01	0.09	12.56	10.75	7.41	8.66	8.55	8.22	76
1926	Dry	1.55	0.98	3.63	4.53	19.03	8.34	12.39	17.28	17.67	17.23	16.24	17.24	136
1927	Wet	7.97	8.89	11.68	1.25	19.03	21.07	15.95	19.01	19.74	19.40	18.41	19.16	182
1928	Above Normal	9.61	10.14	12.74	5.20	10.32	17.65	16.58	15.16	15.80	15.50	14.75	15.26	159
1929	Critical	5.92	7.12	9.98	1.07	2.23	10.78	8.24	5.18	6.27	7.01	7.03	6.97	78
1930	Dry	1.76	1.35	1.06	3.10	19.03	8.11	7.01	8.65	10.85	12.92	12.77	12.15	99
1931	Critical	3.38	3.59	7.10	7.04	7.73	12.59	8.22	5.08	6.00	6.82	6.76	6.63	81
1932	Dry	1.67	1.28	0.58	14.80	8.73	7.68	4.76	5.74	7.07	8.11	8.07	7.93	76
1933	Critical	1.63	1.11	2.90	4.07	19.03	7.66	5.12	6.14	7.72	9.31	9.16	8.70	83
1934	Critical	1.39	0.74	4.62	5.18	19.03	3.67	5.43	6.58	8.18	9.86	9.75	9.27	84
1935	Below Normal	1.30	0.91	5.26	5.54	6.48	21.07	17.23	20.70	20.39	20.45	19.40	20.39	159
1936	Below Normal	11.76	12.14	14.88	0.35	1.95	21.07	20.09	19.10	19.66	19.31	18.34	19.21	178
1937	Below Normal	9.68	10.24	12.89	0.42	2.04	21.07	18.79	18.55	18.97	18.59	17.61	18.59	167
1938	Wet	9.16	9.85	12.57	11.35	12.42	21.07	20.39	21.07	18.49	18.16	17.29	17.86	190
1939	Dry	8.24	8.99	21.07	19.79	9.57	17.84	12.66	15.10	15.90	15.66	14.93	15.34	175
1940	Above Normal	5.91	7.09	9.88	0.87	2.48	21.07	20.39	20.30	20.39	20.53	19.56	20.39	169
1941	Wet	10.88	11.20	13.79	9.65	12.70	21.07	19.10	17.81	18.64	18.36	17.46	18.03	189
1942	Wet	8.44	9.17	11.79	12.31	19.03	21.07	14.59	17.46	18.40	18.12	17.24	17.74	185
1943	Wet	8.19	8.93	11.55	21.07	19.03	16.25	16.95	14.84	15.56	15.41	14.65	15.05	177
1944	Dry	5.63	6.85	9.66	1.31	4.46	20.63	18.97	17.91	18.42	18.09	17.21	18.06	157
1945	Below Normal	8.56	9.29	12.01	1.28	14.16	8.17	19.19	17.96	18.58	18.22	17.24	18.13	163
1946	Below Normal	8.66	9.38	12.11	12.65	12.35	19.79	17.49	16.18	17.02	16.80	16.01	16.46	175
1947	Dry	6.95	7.94	10.65	1.28	2.51	19.83	13.34	15.78	16.07	15.68	14.84	15.79	141
1948	Below Normal	6.49	7.68	10.61	0.78	1.58	9.58	8.78	18.34	18.61	18.15	17.11	18.38	136
1949	Dry	9.04	9.81	12.60	1.02	1.98	10.31	9.85	7.10	8.91	10.67	10.51	10.06	102
1950	Below Normal	1.42	2.02	5.73	5.88	6.98	21.07	15.00	17.67	18.00	17.67	16.71	17.73	146
1951	Above Normal	8.34	9.22	12.00	11.73	19.03	21.07	14.66	17.57	18.42	18.09	17.27	17.83	185
1952	Wet	8.22	8.97	11.59	13.29	12.39	21.07	20.39	21.07	18.21	18.03	17.16	17.71	188
1953	Wet	20.14	16.84	16.26	18.08	4.10	21.07	14.42	17.21	18.11	17.90	17.00	17.59	199
1954	Above Normal	7.98	8.77	11.41	10.25	10.89	21.07	18.15	18.14	18.93	18.65	17.68	18.32	180
1955	Dry	8.74	9.40	12.02	1.31	2.29	11.07	8.97	6.43	8.00	9.63	9.54	9.08	96
1956	Wet	1.29	0.63	5.14	16.10	19.71	21.07	13.99	16.73	17.57	17.34	16.57	16.92	163
1957	Above Normal	7.41	8.34	11.09	10.24	10.43	17.93	15.70	14.02	14.86	14.58	13.85	14.25	153
1958	Wet	4.91	6.29	9.18	21.07	16.95	17.40	18.41	18.01	18.80	18.47	17.68	18.25	185
1959	Below Normal	8.65	9.30	21.07	19.80	15.84	7.88	16.48	14.90	15.77	15.53	14.75	15.12	175
1960	Dry	5.77	6.94	9.74	0.88	1.58	11.15	13.33	11.18	12.88	14.05	13.60	13.45	115
1961	Dry	4.51	4.98	8.28	4.88	19.03	7.72	8.74	10.40	12.25	13.72	13.35	13.03	121
1962	Below Normal	4.16	4.56	7.91	5.20	5.36	21.07	15.85	18.61	19.05	18.61	17.64	18.67	157
1963	Wet	9.26	9.97	12.69	9.79	11.45	18.92	17.90	18.33	19.14	18.77	17.92	18.59	183
1964	Dry	8.99	9.62	12.22	2.80	11.34	16.20	14.01	12.02	12.87	13.04	12.49	12.69	138
1965	Wet	3.62	5.00	8.10	12.10	19.03	16.29	15.77	13.26	13.96	13.81	13.21	13.39	148
1966	Below Normal	4.21	5.68	8.59	21.07	19.03	17.21	14.14	16.89	17.76	17.39	16.66	17.11	176
1967	Wet	7.57	8.43	11.09	3.79	19.03	21.07	18.42	21.07	19.14	18.88	18.01	18.65	185
1968	Below Normal	9.02	20.39	17.39	17.98	17.19	15.76	12.77	15.28	16.18	15.88	15.11	15.54	189
1969	Wet	6.08	7.23	10.00	3.26	19.03	21.07	18.64	21.07	19.22	18.89	18.01	18.68	181
1970	Wet	9.04	9.67	21.07	21.00	17.20	16.14	14.47	17.44	18.27	17.97	17.08	17.63	197
1971	Wet	8.05	8.85	11.48	12.50	12.44	18.93	18.77	17.71	18.59	18.31	17.47	18.02	181
1972	Below Normal	8.40	9.13	11.75	3.57	9.79	17.08	10.74	8.34	10.04	11.52	11.37	10.96	123
1973	Above Normal	1.99	2.93	6.40	21.07	19.03	17.75	14.05	16.85	17.66	17.30	16.47	16.98	168
1974	Wet	7.49	8.38	11.07	13.26	19.03	21.07	14.50	17.42	18.34	18.00	17.17	17.70	183
1975	Wet	8.12	8.85	11.48	15.15	19.03	18.30	14.77	17.83	18.65	18.27	17.43	18.04	186
1976	Critical	8.42	9.15	11.78	11.29	9.97	18.04	14.42	12.70	13.38	13.19	12.51	12.83	148
1977	Critical	3.63	5.22	8.19	0.78	1.29	9.25	5.77	2.07	2.69	2.97	2.95	2.75	48
1978	Above Normal	0.62	0.47	0.21	10.55	9.90	16.88	19.32	21.07	20.39	20.13	19.15	20.03	159
1979	Below Normal	10.47	10.83	13.43	1.53	9.88	19.74	18.25	17.10	17.73	17.39	16.51	17.23	170
1980	Above Normal	7.75	8.62	11.37	9.45	9.85	21.07	20.23	15.70	16.43	16.22	15.43	15.90	168
1981	Dry	6.53	7.60	10.37	11.34	11.30	21.07	15.32	15.57	16.46	16.08	15.31	15.75	163
1982	Wet	6.30	7.43	10.20	13.20	12.31	21.07	20.39	17.43	18.24	17.96	17.15	17.65	179
1983	Wet	8.07	8.82	21.07	20.42	16.85	17.70	18.03	21.04	20.39	21.07	17.18	20.39	211
1984	Wet	20.13	16.84	16.26	18.07	16.94	17.74	14.51	17.49	18.31	18.05	17.17	17.73	209
1985	Dry	8.05	8.83	11.47	10.22	9.31	18.11	17.57	16.15	16.99	16.67	15.80	16.30	165
1986	Wet	6.91	7.91	10.68	0.95	14.36	18.77	17.01	19.45	15.22	14.91	14.16	14.69	155
1987	Dry	5.53	6.85	9.76	9.06	9.31	17.29	15.58	13.89	14.55	14.22	13.61	13.99	144
1988	Critical	4.75	6.13	9.05	1.01	2.11	10.81	7.77	4.48	5.45	6.19	6.10	6.05	70
1989	Dry	1.52	1.16	0.53	1.49	3.97	20.33	16.24	19.02	19.47	19.02	17.98	19.10	140
1990	Critical	9.66	10.29	12.99	0.35	1.31	10.20	7.97	4.66	5.65	6.34	6.31	6.22	82
1991	Critical	1.53	1.17	0.53	1.53	2.76	9.70	7.71	4.46	5.42	6.08	5.93	5.90	53
1992	Critical	1.39	1.06	0.49	0.90	2.69	13.33	7.21	6.44	7.87	9.31	9.25	8.86	69
1993	Above Normal	1.43	0.79	4.76	4.99	15.03	21.07	19.23	18.13	18.87	18.58	17.75	18.28	159
1994	Critical	8.76	9.45	12.18	9.61	8.93	18.26	11.42	9.09	10.52	11.48	11.22	10.96	132
1995	Wet	1.91	3.14	6.48	4.10	15.66	21.07	20.39	18.13	18.88	18.61	17.78	18.31	164
1996	Wet	8.79	9.49	21.07	21.07	17.14	16.68	13.17	16.30	17.17	16.92	16.13	16.52	190
1997	Wet	7.04	8.00	10.70	13.25	19.03	20.13	10.39	12.59	13.29	13.09	12.50	12.75	153
1998	Wet	3.46	5.09	8.03	11.37	19.03	21.07	18.17	17.48	18.40	18.16	17.35	17.87	175
1999	Wet	16.23	16.92	16.39	18.07	15.84	17.81	13.58	16.33	17.16	16.81	16.11	16.58	198
2000	Above Normal	7.09	8.01	10.71	1.70	11.38	21.07	19.98	19.01	19.77	19.30	18.42	19.16	176
2001	Dry	9.53	10.07	12.69	1.24	2.60	20.11	6.04	7.54	9.31	11.12	11.01	10.50	112
2002	Dry	1.77	2.43	6.00	6.70	13.76	13.04	15.54	13.74	14.34	14.18	13.44	14.04	129
2003	Above Normal	4.84	6.21	9.22	7.78	10.88	15.65	17.31	19.38	20.09	19.73	18.71	19.57	169
Average		7	7	10	8	11	17	15	15	15	15	15	15	150
Wet		8	9	12	13	16	19	17	18	18	18	17	17	182
Above Normal		7	7	9	8	12	19	18	18	18	18	17</		

Difference in Energy Use (GWh) At Pumping Plant at South Bay: CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	0	0	0	2	-2	0	0	0	0	0	0
1927	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1928	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	0	0	0	0	0	0	-5	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1932	Dry	0	0	0	12	-11	3	0	0	0	0	0	0	0
1933	Critical	0	0	-1	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1935	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	6	3	-4	0	0	0	0	0	0
1940	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	3	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1945	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1946	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1947	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1948	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1949	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1951	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1956	Wet	0	0	1	0	0	0	0	0	0	0	0	0	0
1957	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1961	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Norm	0	0	0	0	0	1	-4	0	0	0	0	0	0
1963	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	1	0	1	0	1	0	0	0	0	0
1965	Wet	0	0	0	-1	0	-1	0	0	0	0	0	0	0
1966	Below Norm	0	0	0	8	0	-4	0	0	0	0	0	0	0
1967	Wet	0	0	0	1	0	0	0	0	0	0	0	0	0
1968	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	Below Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	Above Norm	0	0	0	0	-8	0	3	0	0	0	0	0	0
1981	Dry	0	0	0	0	-1	0	1	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	1	-7	2	0	0	0	0	0	0
1993	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	Above Norm	0	0	0	0	0	0	0	0	0	0	0	0	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norm		0	0	0	0	-1	0	0	0	0	0	0	0	0
Below Norm		0	0	0	1	0	0	0	0	0	0	0	0	0
Dry		0	0	0	1	0	1	0	0	0	0	0	0	0
Critical		0	0	0	0	0	-1	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at South Bay: CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1923	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1924	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1925	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1926	Dry	0%	0%	0%	0%	0%	38%	-15%	0%	0%	0%	0%	0%
1927	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1928	Above Norma	0%	0%	0%	-6%	0%	0%	1%	1%	1%	1%	1%	1%
1929	Critical	2%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1930	Dry	0%	0%	6%	1%	0%	0%	0%	0%	0%	-27%	0%	0%
1931	Critical	0%	0%	0%	0%	0%	0%	-1%	-1%	-1%	-1%	-1%	-1%
1932	Dry	-1%	-1%	-1%	385%	-56%	72%	-2%	-3%	-3%	-4%	-4%	-4%
1933	Critical	5%	12%	-17%	-8%	0%	0%	-2%	-2%	-3%	-4%	-4%	-3%
1934	Critical	9%	15%	-10%	-7%	0%	10%	0%	0%	0%	0%	0%	0%
1935	Below Norma	0%	-6%	-1%	0%	0%	0%	0%	0%	0%	-1%	-1%	0%
1936	Below Norma	0%	0%	1%	0%	-1%	0%	0%	0%	0%	0%	0%	0%
1937	Below Norma	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1938	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	152%	19%	-23%	1%	1%	1%	1%	1%
1940	Above Norma	3%	2%	1%	2%	5%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	-1%	0%	55%	-2%	0%	-2%	-2%	-2%	-2%	-2%	-2%
1942	Wet	-4%	-3%	-2%	2%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1944	Dry	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%
1945	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1946	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1947	Dry	1%	0%	0%	1%	-1%	0%	2%	2%	2%	2%	2%	2%
1948	Below Norma	4%	3%	2%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1949	Dry	0%	0%	0%	0%	-5%	1%	1%	2%	2%	2%	2%	2%
1950	Below Norma	2%	16%	2%	2%	1%	0%	0%	0%	0%	0%	0%	0%
1951	Above Norma	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1955	Dry	0%	0%	0%	0%	0%	0%	1%	3%	3%	4%	4%	3%
1956	Wet	-8%	-15%	12%	2%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norma	-1%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1958	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1960	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1961	Dry	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%	0%	0%
1962	Below Norma	0%	0%	0%	-1%	-3%	3%	-20%	0%	-1%	-1%	-2%	0%
1963	Wet	0%	0%	0%	-4%	-2%	2%	2%	0%	0%	0%	0%	0%
1964	Dry	0%	0%	0%	81%	1%	9%	3%	4%	2%	0%	-1%	0%
1965	Wet	0%	4%	2%	-7%	0%	-5%	0%	0%	0%	0%	0%	0%
1966	Below Norma	0%	0%	0%	65%	0%	-18%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	0%	19%	0%	0%	0%	0%	0%	0%	0%	0%
1968	Below Norma	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1969	Wet	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1972	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1973	Above Norma	-1%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1977	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1978	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1979	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1980	Above Norma	0%	0%	0%	-1%	-43%	0%	16%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	-9%	0%	8%	0%	0%	0%	0%	0%
1982	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	-1%	-1%	-1%	-1%	-1%	-1%
1986	Wet	-3%	-2%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%	0%
1987	Dry	0%	0%	0%	2%	1%	0%	0%	1%	1%	1%	1%	1%
1988	Critical	2%	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1989	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1990	Critical	0%	0%	0%	-10%	5%	2%	1%	1%	1%	1%	1%	1%
1991	Critical	2%	2%	2%	15%	2%	0%	2%	4%	4%	4%	4%	4%
1992	Critical	5%	5%	5%	5%	27%	-33%	39%	2%	2%	3%	3%	2%
1993	Above Norma	-5%	-12%	10%	5%	1%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1995	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1998	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2001	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2002	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2003	Above Norma	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%
Average		0%	0%	0%	7%	1%	1%	0%	0%	0%	0%	0%	0%
Wet		-1%	-1%	0%	3%	0%	0%	0%	0%	0%	0%	0%	0%
Above Norma		0%	-1%	1%	0%	-3%	0%	1%	0%	0%	0%	0%	0%
Below Norma		0%	1%	0%	5%	0%	-1%	-1%	0%	0%	0%	0%	0%
Dry		0%	0%	0%	26%	5%	8%	-1%	0%	0%	-1%	0%	0%
Critical		2%	3%	-2%	0%	3%	-2%	3%	0%	0%	0%	0%	0%

Energy Use (GWh) At Pumping Plant at SWP Banks: CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	67.04	64.51	131.17	137.21	140.20	136.31	90.46	100.05	118.05	41.36	39.69	99.45	1,156
1923	Below Normal	81.19	118.05	134.95	155.23	75.31	74.38	86.91	64.79	62.05	117.53	121.99	94.14	1,187
1924	Critical	76.41	57.24	74.53	70.76	5.13	5.48	11.02	11.46	34.03	25.71	32.66	54.26	459
1925	Dry	55.48	53.99	111.64	93.97	98.14	5.48	84.39	61.88	5.30	5.48	5.48	57.36	639
1926	Dry	40.96	36.91	53.49	132.98	118.85	44.27	72.95	41.12	59.69	36.31	73.30	70.54	781
1927	Wet	89.18	118.05	128.79	134.02	131.15	127.98	82.67	69.40	83.36	77.77	76.45	103.17	1,222
1928	Above Normal	91.97	118.05	129.93	136.79	116.85	134.22	67.49	47.12	52.75	27.10	78.66	76.40	1,077
1929	Critical	55.21	83.56	85.17	94.32	68.23	41.50	27.31	5.48	5.30	18.07	54.69	29.51	568
1930	Dry	21.85	28.62	105.58	131.83	75.53	111.14	33.50	31.77	46.57	7.10	74.58	69.68	738
1931	Critical	47.55	53.15	53.32	87.27	4.95	25.55	5.30	6.51	63.70	59.53	53.59	26.11	487
1932	Dry	20.04	34.09	130.94	134.86	115.39	58.78	5.30	47.20	5.30	5.48	5.48	46.95	610
1933	Critical	42.40	30.09	77.45	133.28	82.58	91.06	25.08	29.22	5.30	5.48	5.48	35.26	563
1934	Critical	39.93	35.16	119.15	132.85	101.50	14.25	5.30	5.48	5.30	5.48	55.63	51.28	571
1935	Below Normal	57.35	85.52	44.33	136.92	60.38	129.29	84.87	8.14	97.23	73.88	120.16	99.74	998
1936	Below Normal	88.87	57.22	74.28	134.86	144.14	138.07	91.04	67.17	34.66	96.19	87.11	88.20	1,102
1937	Below Normal	78.06	45.04	60.31	132.65	140.20	138.07	100.85	55.95	56.39	61.40	60.10	87.82	1,017
1938	Wet	86.75	118.05	140.22	155.23	140.20	138.07	108.25	112.80	118.05	90.76	71.34	118.05	1,398
1939	Dry	121.99	89.09	124.97	107.78	62.21	78.29	9.47	41.90	48.01	70.79	103.17	71.23	929
1940	Above Normal	74.93	39.57	62.47	142.04	135.66	138.07	91.77	72.52	59.12	93.81	92.88	82.29	1,085
1941	Wet	96.15	90.98	135.42	149.03	140.20	138.07	101.97	110.50	50.94	64.19	66.51	118.05	1,262
1942	Wet	121.99	111.74	135.38	155.23	140.20	127.46	93.43	103.92	118.05	31.20	93.03	118.05	1,350
1943	Wet	121.99	118.05	132.30	138.88	113.78	124.03	95.80	30.20	26.93	52.02	50.67	89.31	1,094
1944	Dry	81.82	66.46	86.21	121.13	130.93	84.48	45.35	44.34	73.69	121.99	121.99	92.01	1,070
1945	Below Normal	74.44	118.05	129.39	102.24	140.20	42.52	54.25	58.37	81.80	98.39	95.82	90.11	1,086
1946	Below Normal	79.76	118.05	140.22	155.23	22.07	103.07	52.09	60.68	63.85	111.11	114.31	118.05	1,138
1947	Dry	86.10	90.33	132.53	76.30	93.01	102.41	23.70	7.92	6.38	101.25	99.78	76.15	896
1948	Below Normal	75.85	78.28	38.32	122.65	5.13	55.58	69.28	68.67	65.47	111.42	101.30	105.40	897
1949	Dry	81.95	59.16	100.41	68.77	41.71	129.06	36.20	13.06	5.30	75.32	46.41	63.17	721
1950	Below Normal	26.86	57.22	39.41	134.41	122.41	101.72	69.56	52.44	69.11	67.67	51.36	96.48	889
1951	Above Normal	93.31	118.05	140.22	155.23	140.20	127.50	38.09	62.93	61.56	87.12	104.94	90.55	1,220
1952	Wet	79.81	112.46	130.26	155.23	136.36	136.95	108.21	112.80	118.05	117.53	111.60	118.05	1,437
1953	Wet	121.99	100.10	126.97	119.77	48.43	128.07	56.32	81.75	91.03	105.40	39.26	118.05	1,137
1954	Above Normal	82.82	118.05	104.72	133.36	121.86	128.30	75.26	70.08	55.65	91.41	98.82	77.46	1,158
1955	Dry	85.42	118.02	128.56	137.20	31.32	28.62	34.25	39.84	5.30	7.95	55.10	53.37	725
1956	Wet	38.73	67.37	140.22	155.23	124.16	127.50	71.88	92.98	118.05	33.41	67.33	118.05	1,155
1957	Above Normal	121.99	51.70	82.38	134.82	122.67	127.99	6.12	58.99	72.93	51.22	89.23	79.72	1,000
1958	Wet	121.99	118.05	128.97	135.63	112.17	125.44	108.25	112.80	118.05	98.39	111.60	118.05	1,409
1959	Below Normal	121.99	83.12	103.79	119.62	111.19	13.11	37.89	40.73	63.11	91.59	90.36	68.28	945
1960	Dry	72.79	45.94	102.64	86.25	126.41	81.06	5.30	33.72	56.17	59.33	102.01	73.76	845
1961	Dry	51.03	95.22	127.58	84.68	119.81	88.86	13.85	12.46	5.30	68.51	78.63	78.76	825
1962	Below Normal	68.75	62.15	115.90	42.18	138.09	103.02	49.79	10.65	72.01	117.53	112.36	99.56	992
1963	Wet	121.99	118.05	127.77	133.82	126.38	114.50	81.86	84.54	77.16	88.94	86.96	101.27	1,263
1964	Dry	109.25	118.05	107.73	135.17	32.53	30.92	34.97	36.20	58.64	113.68	110.72	60.51	948
1965	Wet	55.06	118.05	131.48	155.23	130.92	82.88	89.14	28.98	29.02	37.77	36.72	100.53	996
1966	Below Normal	75.04	118.05	137.34	147.64	112.49	127.44	44.75	46.81	63.23	90.68	89.85	70.70	1,124
1967	Wet	77.18	118.05	131.07	139.07	123.93	127.69	108.25	112.80	118.05	117.53	111.60	118.05	1,403
1968	Below Normal	121.99	112.30	127.09	119.62	116.24	123.40	5.30	42.36	68.82	80.32	79.06	56.43	1,053
1969	Wet	78.24	85.38	128.91	155.23	140.20	127.74	108.25	112.80	118.05	75.06	92.64	118.05	1,341
1970	Wet	121.99	114.76	132.92	120.68	113.09	123.94	56.18	50.78	64.58	87.90	86.59	88.99	1,162
1971	Wet	105.61	118.05	129.40	137.24	4.95	129.40	66.21	85.32	93.92	116.61	111.89	118.05	1,217
1972	Below Normal	121.99	68.77	128.90	132.17	78.20	126.51	38.79	41.37	54.29	58.96	55.13	73.36	978
1973	Above Normal	62.61	118.05	128.60	135.33	112.98	126.18	41.08	61.86	72.67	73.79	71.32	84.52	1,089
1974	Wet	85.08	118.05	136.86	155.23	134.56	127.32	84.81	71.77	82.95	57.69	111.60	118.05	1,284
1975	Wet	121.99	104.88	130.84	137.13	112.66	125.29	81.85	82.87	118.05	40.59	111.60	118.05	1,286
1976	Critical	121.99	118.05	129.26	102.05	66.48	94.04	30.96	29.00	51.41	15.17	84.96	60.80	904
1977	Critical	62.51	51.88	91.99	51.08	17.55	15.05	5.30	10.25	5.30	5.48	11.02	32.85	360
1978	Above Normal	21.79	32.15	122.66	140.09	104.04	123.92	108.25	98.80	70.76	44.72	37.20	106.43	1,011
1979	Below Normal	81.72	103.40	62.58	147.22	140.20	138.07	52.32	76.85	70.79	66.79	52.12	89.46	1,082
1980	Above Normal	82.17	118.05	129.45	155.23	144.14	125.83	88.13	70.90	67.23	29.37	73.21	105.11	1,189
1981	Dry	69.94	50.97	129.39	136.30	105.59	125.48	43.61	41.66	52.32	75.50	72.86	77.02	981
1982	Wet	71.74	118.05	129.30	141.70	140.20	127.58	108.25	112.80	118.05	64.87	110.52	118.05	1,361
1983	Wet	121.99	118.05	134.14	120.60	112.93	126.15	108.25	112.80	118.05	117.53	111.90	118.05	1,420
1984	Wet	121.99	118.05	126.30	119.74	116.10	126.30	31.47	53.90	65.74	92.68	103.36	96.71	1,172
1985	Dry	108.55	118.05	128.84	123.67	75.47	51.86	42.13	46.99	72.64	117.53	112.13	102.06	1,100
1986	Wet	78.27	91.60	129.22	133.59	140.20	126.26	106.72	100.86	51.77	6.23	47.08	117.90	1,130
1987	Dry	64.60	60.31	75.63	129.92	121.50	129.38	6.05	36.33	37.83	44.02	96.23	63.60	865
1988	Critical	54.06	38.07	127.58	131.88	22.87	15.22	28.17	9.09	5.30	30.46	45.84	22.86	531
1989	Dry	16.09	64.61	51.30	89.99	15.46	126.54	43.33	36.68	58.23	106.49	121.99	83.11	814
1990	Critical	96.08	64.89	74.74	130.06	37.03	43.54	5.30	23.12	5.30	10.24	54.45	33.62	578
1991	Critical	28.00	16.24	21.56	25.61	25.48	128.68	17.55	23.41	5.30	5.48	5.48	17.61	320
1992	Critical	34.53	5.30	30.22	38.40	127.09	100.10	24.95	5.48	5.30	5.48	22.20	37.91	437
1993	Above Normal	33.89	30.81	86.60	150.17	129.49	130.67	70.34	77.29	118.05	57.66	44.64	113.62	1,043
1994	Critical	93.14	58.44	89.24	96.39	120.62	72.06	27.91	30.55	47.19	115.16	105.44	56.98	913
1995	Wet	42.12	54.49	70.27	144.15	133.09	138.07	108.25	112.80	118.05	121.99	111.60	118.05	1,273
1996	Wet	121.99	75.85	129.40	120.81	116.16	124.74	86.69	97.88	40.83	42.05	64.84	118.05	1,139
1997	Wet	46.56	118.05	140.22	155.23	140.20	123.87	54.06	53.74	26.54	27.42	35.26	80.16	1,001
1998	Wet	55.93	98.17	129.11	147.62	140.20	127.52	108.25	112.80	118.05	121.99	111.60	118.05	1,389
1999	Wet	121.99	118.05	127.07	119.73	111.21	126.21	79.83	63.74	70.04	48.56	64.18	118.05	1,169
2000	Above Normal	64.41	118.05	77.65	136.04	144.14	138.07	58.75	62					

Shasta Lake Water Resource Investigation
Socioeconomic Appendix - Power and Energy Technical Report

Energy Use (GWh) At Pumping Plant at SWP Banks: CP4B_2020

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	67.04	54.51	131.17	137.21	140.20	136.31	90.46	100.05	118.05	41.36	39.69	99.45	1,156
1923	Below Normal	81.19	118.05	134.95	155.23	75.31	74.38	86.91	64.79	62.05	117.53	121.99	94.15	1,187
1924	Critical	76.41	57.24	74.53	70.76	5.13	5.48	11.01	11.46	34.03	25.71	32.66	54.26	459
1925	Dry	55.48	53.99	112.01	97.14	98.14	5.48	84.39	61.87	5.30	5.48	5.48	56.27	641
1926	Dry	40.87	36.92	53.49	132.98	120.04	47.82	72.95	41.15	59.62	36.13	73.32	70.51	786
1927	Wet	88.05	118.05	128.79	134.02	131.15	127.98	82.67	69.40	83.36	77.78	76.46	103.17	1,221
1928	Above Normal	91.97	118.05	129.93	136.79	118.45	134.22	67.46	47.29	52.91	27.75	78.43	76.38	1,080
1929	Critical	56.40	85.47	87.84	94.82	68.24	41.53	27.31	5.48	5.30	15.20	55.15	29.51	572
1930	Dry	21.80	28.62	107.60	131.83	80.65	111.14	33.54	28.95	47.46	37.81	51.19	67.38	748
1931	Critical	49.81	52.28	47.30	95.89	4.95	26.01	5.30	7.06	50.89	56.98	55.07	26.11	478
1932	Dry	29.36	42.04	130.94	134.86	103.52	58.76	5.30	47.16	5.30	5.48	5.48	47.08	615
1933	Critical	42.40	30.09	83.10	133.28	82.99	91.07	25.10	29.22	5.30	5.48	5.48	28.35	562
1934	Critical	38.58	31.39	118.86	132.85	101.02	15.11	5.30	5.48	5.30	5.48	54.05	54.19	568
1935	Below Normal	57.33	85.35	44.81	136.92	60.39	125.31	84.87	8.13	96.71	71.30	121.58	100.99	994
1936	Below Normal	88.86	57.23	73.77	134.86	144.14	138.07	91.04	66.89	34.65	95.69	86.61	88.20	1,100
1937	Below Normal	78.08	45.05	61.95	133.53	140.20	138.07	100.85	56.47	55.99	60.99	59.73	87.81	1,019
1938	Wet	86.78	118.05	140.22	155.23	140.20	138.07	108.25	112.80	118.05	90.77	71.34	118.05	1,398
1939	Dry	121.99	89.11	124.98	107.83	72.75	85.71	9.99	41.30	52.84	54.91	106.22	71.23	939
1940	Above Normal	75.05	39.58	63.33	142.04	135.66	138.07	91.77	72.50	65.22	90.55	89.59	79.32	1,083
1941	Wet	109.66	112.58	135.42	149.01	140.20	138.07	101.97	110.50	46.40	59.23	66.59	118.05	1,288
1942	Wet	121.99	111.71	135.38	155.23	130.72	127.45	93.43	103.92	118.05	31.20	93.06	118.05	1,340
1943	Wet	121.99	118.05	132.30	137.90	113.78	124.03	95.80	30.19	26.93	52.01	50.66	89.30	1,093
1944	Dry	81.81	66.46	86.19	121.38	130.93	84.63	45.35	44.35	73.85	121.88	121.71	91.92	1,070
1945	Below Normal	74.43	118.05	129.39	102.27	140.20	42.72	54.25	58.37	81.78	98.63	96.06	90.11	1,086
1946	Below Normal	79.98	118.05	140.22	155.23	22.59	103.17	52.09	60.68	63.91	120.41	121.99	111.96	1,150
1947	Dry	85.78	84.17	132.53	76.56	93.98	115.15	23.99	7.72	11.05	103.56	101.53	77.14	913
1948	Below Normal	77.86	78.19	37.93	122.98	5.13	55.68	69.00	67.24	65.56	111.90	102.28	105.77	900
1949	Dry	81.89	58.89	94.15	57.31	42.87	129.06	36.20	13.06	5.30	80.68	59.96	58.58	718
1950	Below Normal	42.34	43.32	36.32	134.41	122.42	89.71	70.17	51.71	69.70	68.46	50.44	96.38	875
1951	Above Normal	94.83	118.05	140.22	155.23	140.20	127.50	38.14	62.93	61.47	84.32	108.24	93.82	1,225
1952	Wet	81.28	116.65	130.26	155.23	136.36	130.92	108.21	112.80	118.05	117.53	111.60	118.05	1,437
1953	Wet	121.99	100.10	126.97	119.77	48.43	128.07	56.32	81.75	91.03	105.40	39.26	118.05	1,137
1954	Above Normal	82.82	118.05	104.71	133.36	121.86	128.30	75.26	70.08	55.51	91.60	98.52	77.18	1,157
1955	Dry	86.66	118.05	128.56	137.20	31.31	42.00	35.09	39.89	5.30	8.00	45.43	53.32	731
1956	Wet	38.73	67.17	140.22	155.23	136.53	127.50	71.88	92.98	118.05	33.34	67.32	118.05	1,167
1957	Above Normal	121.99	51.70	82.37	134.82	122.67	127.99	6.12	58.99	72.92	51.22	89.22	79.72	1,000
1958	Wet	121.99	118.05	128.97	135.63	112.17	125.44	108.25	112.80	118.05	98.38	111.60	118.05	1,409
1959	Below Normal	121.99	83.11	103.78	119.62	111.19	13.11	37.89	40.73	63.47	91.41	90.18	68.24	945
1960	Dry	72.83	45.94	102.60	86.18	126.16	81.12	5.30	33.72	52.99	63.33	101.70	73.71	846
1961	Dry	51.12	96.93	127.58	84.86	119.81	91.34	13.82	12.36	5.30	68.58	100.65	75.47	848
1962	Below Normal	56.14	61.35	114.05	42.44	138.09	102.56	49.79	10.93	60.97	112.82	111.60	95.28	956
1963	Wet	121.99	118.05	127.77	133.82	126.39	111.75	81.86	84.54	77.17	78.61	77.49	101.10	1,241
1964	Dry	109.10	118.05	107.51	135.17	32.55	30.96	36.56	35.99	62.87	115.41	113.82	58.75	957
1965	Wet	54.78	118.05	131.48	155.23	132.23	82.66	89.14	29.00	57.29	23.77	35.03	100.53	1,009
1966	Below Normal	84.32	118.05	137.34	147.64	112.54	125.99	44.75	46.83	62.72	88.16	87.32	68.56	1,124
1967	Wet	75.23	118.05	131.07	139.07	123.93	127.67	108.25	112.80	118.05	117.53	111.60	118.05	1,401
1968	Below Normal	121.99	112.30	127.04	119.62	116.24	123.40	5.30	42.36	68.82	80.32	79.06	56.42	1,053
1969	Wet	78.24	85.84	128.91	155.23	140.20	127.74	108.25	112.80	118.05	75.06	92.64	118.05	1,341
1970	Wet	121.99	114.76	132.92	120.68	113.09	123.94	56.18	50.78	64.58	87.90	86.59	88.99	1,162
1971	Wet	105.61	118.05	129.40	137.24	4.95	129.40	66.21	85.32	93.92	116.62	111.88	118.05	1,217
1972	Below Normal	121.99	68.77	128.90	132.17	78.22	126.51	38.79	41.37	51.35	60.33	56.43	73.36	978
1973	Above Normal	62.58	118.05	128.60	135.33	112.98	126.18	41.14	61.86	72.67	73.79	71.31	84.52	1,089
1974	Wet	85.06	118.05	136.86	155.23	134.56	127.32	84.81	71.77	82.96	57.69	111.60	118.05	1,284
1975	Wet	121.99	104.87	130.84	137.13	112.66	125.30	81.85	82.87	118.05	40.59	111.60	118.05	1,286
1976	Critical	121.99	118.05	129.26	102.05	66.48	94.19	30.96	29.00	51.34	15.26	84.94	60.81	904
1977	Critical	62.54	51.88	92.03	51.08	17.56	15.04	5.30	10.28	5.30	5.48	10.97	32.86	360
1978	Above Normal	21.78	32.13	122.63	140.09	104.03	123.92	108.25	98.79	70.77	44.72	37.20	106.40	1,011
1979	Below Normal	81.72	103.63	62.58	147.22	140.20	138.07	52.54	76.57	70.81	66.82	47.26	88.99	1,076
1980	Above Normal	82.26	118.05	129.45	155.23	144.14	127.51	88.13	70.90	67.23	29.37	73.21	105.11	1,191
1981	Dry	69.94	50.98	129.39	136.30	105.59	125.65	43.61	41.66	52.37	75.71	73.11	78.03	982
1982	Wet	72.88	118.05	129.30	141.70	140.20	127.60	108.25	112.80	118.05	64.88	110.51	118.05	1,362
1983	Wet	121.99	118.05	134.14	120.60	112.93	126.15	108.25	112.80	118.05	117.53	111.90	118.05	1,420
1984	Wet	121.99	118.05	126.30	119.74	116.10	126.30	31.47	53.90	65.74	92.68	103.36	96.71	1,172
1985	Dry	108.54	118.05	128.84	123.66	75.47	41.21	42.12	46.92	79.32	117.53	111.60	93.18	1,086
1986	Wet	78.04	91.72	129.22	133.59	140.20	126.26	106.73	100.87	53.83	6.12	46.39	117.94	1,131
1987	Dry	64.66	60.34	75.63	134.52	121.50	129.38	6.07	36.27	35.33	44.79	96.82	64.02	869
1988	Critical	53.91	38.54	127.58	131.88	22.86	15.26	28.18	9.16	5.30	31.59	45.80	22.86	533
1989	Dry	16.09	64.58	48.08	89.17	13.11	126.54	45.14	36.32	58.20	106.13	121.99	95.02	820
1990	Critical	95.83	58.33	61.92	130.06	37.02	43.53	5.30	23.13	5.30	15.90	53.89	33.60	564
1991	Critical	28.44	15.26	22.16	25.60	24.09	128.68	17.57	23.41	5.30	5.48	5.48	17.61	319
1992	Critical	34.53	5.30	30.27	38.38	127.09	98.63	24.96	5.48	5.30	5.48	32.12	39.25	447
1993	Above Normal	37.01	33.63	83.10	150.17	129.49	130.67	70.35	77.29	118.05	57.78	44.80	113.64	1,046
1994	Critical	93.12	58.48	89.25	96.30	120.62	72.06	27.91	30.55	47.23	115.16	105.45	57.04	913
1995	Wet	42.05	54.48	71.73	144.15	133.09	138.07	108.25	112.80	118.05	121.99	111.60	118.05	1,274
1996	Wet	121.99	75.86	129.40	120.81	116.16	124.74	86.69	97.88	40.83	42.05	64.84	118.05	1,139
1997	Wet	46.56	118.05	140.22	155.23	140.20	123.87	54.06	53.74	26.54	27.42	35.28	80.16	1,001
1998	Wet	55.91	99.17	129.11	147.62	140.20	127.52	108.25	112.80	118.05	121.99	111.60	118.05	1,390
1999	Wet	121.99	118.05	127.07	119.73	111.21	126.21	79.83	63.74	70.04	48.56	64.19	118.05	1,169
2000	Above Normal	64.43	118.05	77.66	136.04	144.14	138.07							

Difference in Energy Use (GWh) At Pumping Plant at SWP Banks: CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	3	0	0	0	0	0	0	0	-1	0
1926	Dry	0	0	0	0	1	4	0	0	0	0	0	0	0
1927	Wet	-1	0	0	0	0	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	0	2	0	0	0	0	1	0	0	0
1929	Critical	1	2	3	0	0	0	0	0	0	-3	0	0	0
1930	Dry	0	0	2	0	5	0	0	-3	1	31	-23	-2	1
1931	Critical	2	-1	-6	9	0	0	0	1	-13	-3	1	0	-1
1932	Dry	9	8	0	0	-12	0	0	0	0	0	0	0	0
1933	Critical	0	0	6	0	0	0	0	0	0	0	0	-7	0
1934	Critical	-1	-4	0	0	0	1	0	0	0	0	-2	3	0
1935	Below Norma	0	0	0	0	0	-4	0	0	-1	-3	1	1	0
1936	Below Norma	0	0	-1	0	0	0	0	0	0	0	-1	0	0
1937	Below Norma	0	0	2	1	0	0	0	1	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	11	7	1	-1	5	-16	3	0	1
1940	Above Norma	0	0	1	0	0	0	0	0	6	-3	-3	-3	0
1941	Wet	14	22	0	0	0	0	0	0	-5	-5	0	0	2
1942	Wet	0	0	0	0	-9	0	0	0	0	0	0	0	-1
1943	Wet	0	0	0	-1	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1945	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1946	Below Norma	0	0	0	0	1	0	0	0	0	9	8	-6	1
1947	Dry	0	-6	0	0	1	13	0	0	5	2	2	1	1
1948	Below Norma	2	0	0	0	0	0	0	-1	0	0	1	0	0
1949	Dry	0	0	-6	-11	1	0	0	0	0	5	14	-5	0
1950	Below Norma	15	-14	-3	0	0	-12	1	-1	1	1	-1	0	-1
1951	Above Norma	2	0	0	0	0	0	0	0	0	-3	3	3	0
1952	Wet	1	4	0	0	0	-6	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	1	0	0	0	0	13	1	0	0	0	-10	0	0
1956	Wet	0	0	0	0	12	0	0	0	0	0	0	0	1
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	0	-3	4	0	0	0
1961	Dry	0	2	0	0	0	2	0	0	0	0	22	-3	2
1962	Below Norma	-13	-1	-2	0	0	0	0	0	-11	-5	-1	-4	-3
1963	Wet	0	0	0	0	0	-3	0	0	0	-10	-9	0	-2
1964	Dry	0	0	0	0	0	0	2	0	4	2	3	-2	1
1965	Wet	0	0	0	0	1	0	0	0	28	-14	-2	0	1
1966	Below Norma	9	0	0	0	0	-1	0	0	-1	-3	-3	-2	0
1967	Wet	-2	0	0	0	0	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	0	0	-3	1	1	0	0
1973	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	Below Norma	0	0	0	0	0	0	0	0	0	0	-5	0	0
1980	Above Norma	0	0	0	0	0	2	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	1	0
1982	Wet	1	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	-11	0	0	7	0	-1	-9	-1
1986	Wet	0	0	0	0	0	0	0	0	2	0	-1	0	0
1987	Dry	0	0	0	5	0	0	0	0	-2	1	1	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	1	0	0	0
1989	Dry	0	0	-3	-1	-2	0	2	0	0	0	0	12	1
1990	Critical	0	-7	-13	0	0	0	0	0	0	6	-1	0	-1
1991	Critical	0	-1	1	0	-1	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	-1	0	0	0	0	10	1	1
1993	Above Norma	3	3	-3	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	0	0	1	0	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	1	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
Average		1	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	1	0	0	0	0	0	0	1	-1	0	0	0
Above Norma		0	0	0	0	0	0	0	0	1	0	0	0	0
Below Norma		1	-1	0	0	0	-1	0	0	-1	0	0	-1	0
Dry		1	0	0	0	0	2	0	0	1	2	1	0	0
Critical		0	-1	-1	1	0	0	0	0	-1	0	1	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at SWP Banks: CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1923	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1924	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1925	Dry	0%	0%	0%	3%	0%	0%	0%	0%	0%	0%	0%	-2%
1926	Dry	0%	0%	0%	0%	1%	8%	0%	0%	0%	0%	0%	0%
1927	Wet	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1928	Above Norma	0%	0%	0%	0%	1%	0%	0%	0%	0%	2%	0%	0%
1929	Critical	2%	2%	3%	1%	0%	0%	0%	0%	0%	-16%	1%	0%
1930	Dry	0%	0%	2%	0%	7%	0%	0%	-9%	2%	432%	-31%	-3%
1931	Critical	5%	-2%	-11%	10%	0%	2%	0%	8%	-20%	-4%	3%	0%
1932	Dry	46%	23%	0%	0%	-10%	0%	0%	0%	0%	0%	0%	0%
1933	Critical	0%	0%	7%	0%	1%	0%	0%	0%	0%	0%	0%	-20%
1934	Critical	-3%	-11%	0%	0%	0%	6%	0%	0%	0%	0%	-3%	6%
1935	Below Norma	0%	0%	1%	0%	0%	-3%	0%	0%	-1%	-3%	1%	1%
1936	Below Norma	0%	0%	-1%	0%	0%	0%	0%	0%	0%	-1%	-1%	0%
1937	Below Norma	0%	0%	3%	1%	0%	0%	0%	1%	-1%	-1%	-1%	0%
1938	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	17%	9%	5%	-1%	10%	-22%	3%	0%
1940	Above Norma	0%	0%	1%	0%	0%	0%	0%	10%	-3%	-4%	-4%	-4%
1941	Wet	14%	24%	0%	0%	0%	0%	0%	0%	-9%	-8%	0%	0%
1942	Wet	0%	0%	0%	0%	-7%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%	0%	0%
1944	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1945	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1946	Below Norma	0%	0%	0%	0%	2%	0%	0%	0%	0%	8%	7%	-5%
1947	Dry	0%	-7%	0%	0%	1%	12%	1%	-3%	73%	2%	2%	1%
1948	Below Norma	3%	0%	-1%	0%	0%	0%	0%	-2%	0%	0%	1%	0%
1949	Dry	0%	0%	-6%	-17%	3%	0%	0%	0%	0%	7%	29%	-7%
1950	Below Norma	58%	-24%	-8%	0%	0%	-12%	1%	-1%	1%	1%	-2%	0%
1951	Above Norma	2%	0%	0%	0%	0%	0%	0%	0%	0%	-3%	3%	4%
1952	Wet	2%	4%	0%	0%	0%	-4%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1955	Dry	1%	0%	0%	0%	0%	47%	2%	0%	0%	1%	-18%	0%
1956	Wet	0%	0%	0%	0%	10%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1958	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%
1960	Dry	0%	0%	0%	0%	0%	0%	0%	0%	-6%	7%	0%	0%
1961	Dry	0%	2%	0%	0%	0%	3%	0%	-1%	0%	0%	28%	-4%
1962	Below Norma	-18%	-1%	-2%	1%	0%	0%	0%	3%	-15%	-4%	-1%	-4%
1963	Wet	0%	0%	0%	0%	0%	-2%	0%	0%	0%	-12%	-11%	0%
1964	Dry	0%	0%	0%	0%	0%	0%	5%	-1%	7%	2%	3%	-3%
1965	Wet	-1%	0%	0%	0%	1%	0%	0%	0%	97%	-37%	-5%	0%
1966	Below Norma	12%	0%	0%	0%	0%	-1%	0%	0%	-1%	-3%	-3%	-3%
1967	Wet	-3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1968	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1969	Wet	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1972	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	-5%	-2%	2%	0%
1973	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%
1977	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1978	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1979	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-9%	-1%
1980	Above Norma	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%
1982	Wet	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	-21%	0%	0%	9%	0%	0%	-9%
1986	Wet	0%	0%	0%	0%	0%	0%	0%	0%	4%	-2%	-1%	0%
1987	Dry	0%	0%	0%	4%	0%	0%	0%	0%	-7%	2%	1%	1%
1988	Critical	0%	1%	0%	0%	0%	0%	0%	1%	0%	4%	0%	0%
1989	Dry	0%	0%	-6%	-1%	-15%	0%	4%	-1%	0%	0%	0%	14%
1990	Critical	0%	-10%	-17%	0%	0%	0%	0%	0%	0%	55%	-1%	0%
1991	Critical	2%	-6%	3%	0%	-5%	0%	0%	0%	0%	0%	0%	0%
1992	Critical	0%	0%	0%	0%	0%	-1%	0%	0%	0%	0%	45%	4%
1993	Above Norma	9%	9%	-4%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1995	Wet	0%	0%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1998	Wet	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2001	Dry	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%	1%
2002	Dry	0%	0%	0%	0%	0%	0%	0%	0%	-3%	0%	0%	-1%
2003	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Average		2%	0%	0%	0%	0%	1%	0%	0%	2%	5%	0%	0%
Wet		0%	1%	0%	0%	0%	0%	0%	0%	4%	-2%	-1%	0%
Above Norma		1%	1%	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%
Below Norma		4%	-2%	-1%	0%	0%	-1%	0%	0%	-2%	0%	0%	-1%
Dry		3%	1%	-1%	-1%	0%	3%	1%	-1%	5%	24%	1%	-1%
Critical		0%	-2%	-1%	1%	0%	1%	0%	1%	-2%	3%	4%	-1%

Energy Use (GWh) At Pumping Plant at SWP Dos Amigos: CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	38.97	33.10	27.11	1.90	24.32	54.76	43.92	53.33	61.06	62.01	61.96	44.23	507
1923	Below Normal	37.17	34.73	35.82	33.48	33.97	41.37	44.88	52.88	59.11	61.25	59.64	39.90	534
1924	Critical	32.84	30.57	31.60	16.06	14.73	7.76	10.17	12.94	16.83	16.92	13.70	9.51	214
1925	Dry	4.52	3.13	2.86	25.59	44.08	3.32	34.75	25.78	35.97	37.51	33.29	22.84	274
1926	Dry	13.66	10.51	8.30	4.28	44.77	18.99	30.15	46.74	53.98	54.72	54.70	39.49	380
1927	Wet	33.10	30.99	31.82	15.09	34.90	55.09	45.35	53.28	61.06	61.97	61.91	44.21	529
1928	Above Normal	37.13	34.67	35.75	26.46	33.81	38.06	38.17	42.54	48.66	49.37	49.30	35.18	469
1929	Critical	29.07	27.08	27.86	15.86	14.54	8.36	18.47	24.83	33.53	33.62	27.09	18.31	279
1930	Dry	9.42	6.03	5.49	2.02	12.88	49.49	22.37	35.30	48.27	52.14	49.54	34.18	327
1931	Critical	23.44	20.43	16.18	5.70	5.90	5.03	18.16	24.12	32.54	32.69	26.31	17.70	228
1932	Dry	9.05	5.79	5.26	2.08	46.13	25.79	16.57	25.88	35.31	36.81	32.57	22.23	263
1933	Critical	13.19	10.00	7.92	3.92	14.92	40.28	16.54	26.38	35.96	38.99	36.87	25.46	270
1934	Critical	16.94	14.54	11.17	4.88	15.08	5.54	17.22	27.32	37.16	40.31	38.23	26.42	255
1935	Below Normal	17.64	15.25	11.76	4.25	5.75	49.36	35.37	56.48	63.37	65.97	65.92	46.84	438
1936	Below Normal	42.23	31.70	32.10	2.15	3.27	43.66	43.83	53.17	60.30	61.45	61.34	44.12	479
1937	Below Normal	37.81	33.82	25.94	2.48	3.33	40.44	42.67	47.00	54.82	59.76	59.67	43.20	451
1938	Wet	36.60	34.31	35.24	32.45	33.98	52.65	45.67	47.47	54.20	58.98	58.89	41.67	532
1939	Dry	34.71	32.34	35.20	46.28	32.00	34.18	36.72	43.10	49.62	50.30	50.21	35.50	480
1940	Above Normal	29.25	27.20	28.09	8.95	9.32	45.47	46.51	55.03	61.80	63.98	64.00	46.02	486
1941	Wet	40.15	38.02	39.26	27.78	34.07	41.53	45.86	49.96	56.57	62.89	62.77	44.89	544
1942	Wet	37.43	33.14	34.09	33.06	43.16	54.83	42.72	50.31	58.01	58.85	58.76	41.54	546
1943	Wet	34.60	32.24	33.31	51.78	49.08	54.06	40.43	37.99	45.23	50.01	49.90	35.26	514
1944	Dry	29.02	26.97	27.85	16.28	22.57	39.17	43.36	50.01	56.94	57.85	57.83	41.62	469
1945	Below Normal	34.95	32.67	33.60	17.04	19.48	36.21	43.05	50.09	57.04	57.92	57.88	41.75	482
1946	Below Normal	35.10	32.82	33.73	33.29	33.98	40.40	44.54	52.23	57.74	54.48	54.40	38.45	511
1947	Dry	31.83	29.64	30.62	18.06	16.85	17.12	34.84	43.23	48.81	49.56	49.54	36.13	406
1948	Below Normal	30.20	28.27	28.95	8.97	8.65	5.41	19.50	50.33	57.05	57.92	57.93	42.13	395
1949	Dry	35.49	33.25	34.10	15.14	13.84	7.69	20.65	29.00	39.49	42.68	40.43	28.10	340
1950	Below Normal	18.82	16.37	12.66	4.29	5.26	29.51	39.92	49.21	55.69	56.60	56.59	41.15	386
1951	Above Normal	34.70	31.69	32.55	32.48	37.01	54.83	42.80	50.38	58.08	58.86	58.79	41.59	534
1952	Wet	34.62	32.26	32.93	33.48	34.97	54.81	45.56	47.44	53.68	58.59	58.50	41.35	528
1953	Wet	38.08	43.29	55.72	52.13	31.10	45.61	40.04	49.71	57.25	58.15	58.03	41.08	570
1954	Above Normal	34.18	31.84	32.91	31.95	33.21	42.50	45.92	54.19	60.70	62.54	61.46	42.71	534
1955	Dry	35.69	33.29	34.37	19.40	18.86	12.02	18.91	26.33	35.78	38.24	35.43	24.46	333
1956	Wet	15.65	12.99	10.07	24.23	50.59	54.83	40.28	50.22	57.88	58.69	58.59	41.43	475
1957	Above Normal	34.48	32.16	33.26	32.02	32.98	38.89	41.57	40.39	46.44	47.04	46.93	33.33	459
1958	Wet	27.36	25.44	26.22	36.47	48.68	54.56	45.93	50.55	54.91	59.77	59.73	42.35	532
1959	Below Normal	35.38	32.95	37.31	51.77	48.43	30.52	36.69	43.00	49.57	50.25	50.12	35.44	501
1960	Dry	29.23	27.16	28.04	15.91	14.75	9.92	29.38	38.48	49.10	51.86	50.26	35.45	380
1961	Dry	26.12	23.37	20.86	9.21	17.95	39.24	25.72	37.33	48.46	51.47	49.68	34.81	384
1962	Below Normal	25.21	22.40	19.52	7.80	7.37	32.59	45.38	52.98	60.07	61.19	61.09	44.03	440
1963	Wet	37.81	35.42	36.12	31.65	33.59	40.50	44.54	54.46	61.03	62.01	61.50	43.39	541
1964	Dry	36.30	33.85	34.93	18.78	34.13	33.27	29.17	35.87	43.25	44.86	44.06	31.07	420
1965	Wet	24.12	21.93	21.19	30.54	49.00	34.81	37.59	37.78	44.20	44.89	44.79	31.61	422
1966	Below Normal	25.85	23.96	24.70	33.19	45.14	54.81	41.41	48.70	56.14	56.90	56.84	40.14	508
1967	Wet	33.35	31.05	25.88	21.56	35.90	54.97	46.29	47.51	55.70	60.61	60.56	43.09	516
1968	Below Normal	36.04	43.96	55.88	52.10	50.52	53.84	35.31	44.25	51.05	51.72	51.59	36.45	563
1969	Wet	30.08	27.97	28.89	20.33	39.16	54.97	45.94	47.40	53.64	54.38	60.53	43.07	506
1970	Wet	36.00	33.59	51.75	52.05	49.06	54.02	40.09	50.04	57.68	58.47	58.37	41.30	582
1971	Wet	34.38	32.03	33.10	33.22	33.98	39.79	45.80	54.02	60.53	62.81	58.75	45.07	533
1972	Below Normal	37.85	33.17	34.00	22.70	33.50	36.56	24.06	32.19	42.73	45.73	43.49	29.73	416
1973	Above Normal	20.77	18.22	15.33	44.42	48.70	54.84	38.45	48.02	55.31	56.01	55.92	39.60	496
1974	Wet	32.91	30.64	31.64	33.48	46.65	54.76	42.59	50.17	57.89	58.64	58.56	41.40	539
1975	Wet	34.46	32.07	33.15	33.07	48.56	54.33	43.08	51.02	58.77	59.54	59.47	42.16	550
1976	Critical	35.14	32.76	33.84	32.81	33.79	39.01	37.94	36.72	42.14	42.72	42.57	30.18	440
1977	Critical	24.60	22.80	23.49	13.78	12.66	6.70	8.09	9.91	12.71	12.73	10.34	7.32	165
1978	Above Normal	3.52	2.42	2.26	21.47	46.13	53.86	45.88	40.95	56.30	63.56	63.53	45.58	445
1979	Below Normal	39.63	37.36	38.20	10.50	31.76	35.95	40.76	47.82	54.73	55.46	55.40	39.67	487
1980	Above Normal	33.10	30.86	31.80	30.85	33.77	54.09	36.83	39.19	50.52	49.68	52.35	37.17	480
1981	Dry	30.81	28.66	29.56	32.40	33.46	53.93	38.06	44.71	51.55	52.17	52.07	36.88	484
1982	Wet	30.47	28.36	29.28	33.48	33.97	54.81	45.72	49.61	57.81	58.61	58.52	41.34	522
1983	Wet	34.42	32.04	55.72	52.13	49.06	54.81	46.16	47.49	49.66	48.82	57.82	39.56	568
1984	Wet	52.31	51.63	55.72	52.13	50.52	54.81	40.12	50.11	57.73	58.60	58.51	41.36	624
1985	Dry	34.37	32.04	33.13	32.00	32.46	39.01	44.38	47.40	53.73	50.71	50.17	40.61	490
1986	Wet	34.15	31.92	32.90	16.68	17.96	54.61	45.52	42.22	46.59	47.54	47.53	34.23	452
1987	Dry	28.40	26.52	27.20	29.11	32.32	33.40	33.70	39.43	45.17	45.76	45.71	32.53	419
1988	Critical	26.74	24.83	25.55	15.01	15.21	8.14	16.20	21.48	28.85	28.96	23.31	15.88	250
1989	Dry	7.98	5.21	4.71	2.01	3.15	13.05	43.37	52.90	59.53	61.00	60.95	44.29	358
1990	Critical	38.63	36.38	36.93	2.40	2.79	3.73	16.38	21.67	29.11	29.18	23.50	15.99	257
1991	Critical	8.06	5.28	4.81	1.58	1.76	2.07	14.75	19.44	26.08	26.21	21.12	14.35	146
1992	Critical	7.10	4.71	4.31	1.55	1.88	10.37	17.23	26.91	36.51	38.48	34.83	23.91	208
1993	Above Normal	14.79	11.78	9.18	4.16	31.26	50.26	43.22	52.63	60.37	61.22	61.19	43.61	444
1994	Critical	36.55	34.14	35.22	28.73	31.79	33.72	24.95	32.08	40.83	43.12	41.54	28.46	411
1995	Wet	20.77	18.48	16.75	9.34	34.20	43.85	45.65	51.95	60.10	61.29	61.26	43.65	467
1996	Wet	36.58	34.16	43.43	52.10	50.50	54.29	37.07	46.34	54.17	54.93	54.84	38.74	557
1997	Wet	32.11	29.89	30.89	33.48	41.06	53.27	31.10	36.56	42.02	42.63	42.51	29.98	446
1998	Wet	24.32	22.55	23.25	31.81	38.76	54.84	46.06	49.67	58.00	58.93	58.87	41.64	509
1999	Wet	34.66	51.60	55.75	52.13	48.46	54.84	37.54	46.97	54.09	54.96	54.89	38.78	585
2000	Above Normal	32.13	29.93	30.91	18.16	34.22	53.94	44.88	52.73	60.46	61.44	61.42	43.80	524
2001	Dry	36.69	34.28	35.35	19.12	17.78	39.47	19.27	30.58	41.78	45.36	43.03	29.75	392
2002	Dry	20.02	17.40	13.51	4.89	25.19	9.11	33.20	39.06	44.80	45.79	45.62	32.84	331
2003	Above Normal	26.84	24.95	25.32	24.97	33.10	29.43	38.78	54.40	61.76	49.56	47.74	45.91	463

Energy Use (GWh) At Pumping Plant at SWP Dos Amigos: CP4B_2020

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	38.97	33.10	27.11	1.90	24.32	54.76	43.92	53.33	61.06	62.01	61.96	44.23	507
1923	Below Normal	37.17	34.73	35.82	33.48	33.97	41.37	44.88	52.88	59.11	61.25	59.64	39.90	534
1924	Critical	32.84	30.57	31.60	16.06	14.73	7.76	10.17	12.94	16.83	16.92	13.70	9.51	214
1925	Dry	4.52	3.13	2.86	27.23	44.08	3.32	34.75	25.78	35.97	37.51	33.29	22.84	275
1926	Dry	13.66	10.51	8.30	4.28	44.77	20.24	30.54	46.72	53.96	54.69	54.68	39.47	382
1927	Wet	33.08	30.97	31.81	15.09	34.43	55.09	45.36	53.28	61.06	61.97	61.92	44.21	528
1928	Above Normal	37.13	34.67	35.75	25.83	33.80	38.08	38.45	42.84	48.99	49.71	49.63	35.43	470
1929	Critical	29.30	27.30	28.09	15.93	14.61	8.40	18.55	24.94	33.69	33.77	27.21	18.39	280
1930	Dry	9.47	6.06	5.51	2.03	15.96	49.49	22.40	35.30	48.26	52.13	49.53	34.18	330
1931	Critical	23.44	20.43	16.19	5.69	5.94	5.02	17.94	23.81	32.11	32.26	25.97	17.48	226
1932	Dry	8.92	5.72	5.20	4.72	46.11	25.22	16.57	25.71	35.05	36.10	31.17	21.20	262
1933	Critical	12.09	8.67	7.31	3.37	25.30	40.27	16.66	26.33	35.89	38.41	35.53	24.43	274
1934	Critical	15.68	12.96	10.00	4.66	16.70	5.61	17.15	27.20	37.00	40.14	38.06	26.31	251
1935	Below Normal	17.56	15.18	11.70	4.24	5.75	49.36	35.37	56.36	63.19	65.79	65.74	46.76	437
1936	Below Normal	42.18	31.77	31.85	2.15	3.25	43.68	43.69	53.08	60.22	61.33	61.21	44.03	478
1937	Below Normal	37.63	34.13	26.71	2.48	3.33	40.86	42.62	46.94	54.75	59.69	59.62	43.17	452
1938	Wet	36.55	34.26	35.18	32.45	33.98	52.83	45.67	47.47	54.20	58.98	58.89	41.67	532
1939	Dry	34.70	32.34	35.24	46.30	31.95	36.01	34.81	43.62	50.22	50.91	50.82	35.94	483
1940	Above Normal	29.63	27.57	28.46	8.85	9.31	45.28	46.60	54.98	61.76	63.90	63.92	45.96	486
1941	Wet	40.08	37.94	39.13	31.49	34.03	46.59	45.75	49.81	56.43	62.57	60.97	41.94	547
1942	Wet	34.97	32.60	33.55	33.15	49.08	54.83	42.68	50.26	57.96	58.80	58.71	41.50	548
1943	Wet	34.56	32.20	33.27	51.79	49.08	54.06	40.43	37.99	45.23	50.00	49.89	35.26	514
1944	Dry	29.02	26.97	27.85	16.28	22.75	39.16	43.33	49.99	56.92	57.83	57.81	41.61	470
1945	Below Normal	34.94	32.65	33.59	17.03	19.53	36.20	43.12	50.14	57.11	57.98	57.94	41.80	482
1946	Below Normal	35.14	32.86	33.77	33.30	33.98	40.43	44.59	52.29	58.22	54.65	54.56	38.57	512
1947	Dry	31.93	29.74	30.72	18.00	16.96	22.54	35.43	43.93	49.61	50.37	50.36	36.71	416
1948	Below Normal	30.73	28.76	29.46	8.57	8.29	5.27	19.50	50.32	57.03	57.90	57.91	42.11	396
1949	Dry	35.48	33.24	34.09	15.31	13.91	7.84	21.02	29.54	40.27	43.51	41.23	28.63	344
1950	Below Normal	19.21	16.72	12.94	4.36	5.35	24.67	40.04	49.34	55.84	56.77	56.76	41.27	383
1951	Above Normal	34.80	31.78	32.65	32.49	36.82	54.83	42.80	50.39	58.08	58.87	58.79	41.59	534
1952	Wet	34.62	32.26	32.93	33.48	34.97	54.81	45.56	47.44	53.68	58.59	58.50	41.35	528
1953	Wet	38.08	43.29	55.72	52.13	31.10	45.61	39.90	49.71	57.25	58.15	58.03	41.08	570
1954	Above Normal	34.18	31.84	32.91	31.95	33.21	42.63	45.92	54.18	60.70	62.51	61.37	42.71	534
1955	Dry	35.69	33.29	34.37	19.41	18.87	12.09	18.88	26.44	35.93	38.92	36.94	25.61	336
1956	Wet	17.03	14.71	11.34	24.20	50.60	54.83	40.28	50.22	57.88	58.69	58.59	41.43	480
1957	Above Normal	34.48	32.17	33.26	32.02	32.98	38.89	41.58	40.40	46.45	47.05	46.94	33.33	460
1958	Wet	27.37	25.45	26.22	36.46	48.68	54.56	45.93	50.56	54.92	59.78	59.74	42.36	532
1959	Below Normal	35.38	32.96	37.27	51.77	48.43	30.52	36.89	43.00	49.57	50.25	50.12	35.44	501
1960	Dry	29.23	27.16	28.04	15.92	14.75	9.94	29.44	38.51	49.09	51.83	50.25	35.46	380
1961	Dry	26.15	23.41	20.93	9.26	18.71	40.40	25.70	37.32	48.46	51.47	49.68	34.80	386
1962	Below Normal	25.20	22.39	19.50	7.63	7.23	23.64	42.20	51.88	58.89	59.75	59.63	43.23	421
1963	Wet	36.80	34.51	35.43	31.04	33.49	39.67	44.83	54.41	60.98	61.01	60.91	43.31	536
1964	Dry	36.23	33.79	34.87	21.21	34.21	36.32	31.18	35.88	42.17	43.29	42.83	30.36	422
1965	Wet	24.15	22.17	22.11	31.07	48.97	34.87	37.60	37.79	44.21	44.90	44.80	31.62	424
1966	Below Normal	25.85	23.97	24.71	38.05	48.51	54.81	39.11	48.64	56.08	56.84	56.78	40.08	513
1967	Wet	33.30	31.00	25.83	22.72	34.91	54.96	46.30	47.51	55.58	60.49	60.44	42.98	516
1968	Below Normal	35.94	44.57	55.87	52.10	50.52	53.84	35.31	44.25	51.05	51.72	51.59	36.45	563
1969	Wet	30.08	27.97	28.89	20.40	39.30	54.96	45.94	47.40	53.63	54.37	60.52	43.07	507
1970	Wet	35.99	33.59	51.79	52.05	49.06	54.02	40.09	50.04	57.68	58.47	58.37	41.30	582
1971	Wet	34.38	32.03	33.10	33.22	33.98	39.80	45.80	54.02	60.52	62.81	58.75	45.07	533
1972	Below Normal	37.85	33.16	33.99	22.70	33.50	36.85	23.73	32.15	42.73	45.74	43.48	29.71	416
1973	Above Normal	20.73	18.18	15.27	43.39	48.70	54.84	38.45	48.03	55.32	56.01	55.93	39.61	494
1974	Wet	32.91	30.64	31.65	33.48	45.99	54.76	42.59	50.17	57.89	58.64	58.56	41.40	539
1975	Wet	34.46	32.07	33.15	33.07	48.56	54.33	43.08	51.02	58.77	59.54	59.47	42.16	550
1976	Critical	35.14	32.76	33.84	32.81	33.79	39.01	37.95	36.73	42.15	42.73	42.59	30.19	440
1977	Critical	24.61	22.81	23.49	13.78	12.66	6.70	8.09	9.91	12.71	12.72	10.34	7.32	165
1978	Above Normal	3.52	2.42	2.26	21.45	46.13	53.86	45.88	40.94	56.30	63.57	63.53	45.58	445
1979	Below Normal	39.64	37.36	38.20	10.54	31.78	35.98	40.76	47.81	54.73	55.46	55.39	39.67	487
1980	Above Normal	33.10	30.86	31.80	30.81	33.73	54.08	36.33	39.22	50.56	49.72	52.39	37.21	480
1981	Dry	30.84	28.69	29.59	32.40	33.46	53.93	38.06	44.72	51.55	52.18	52.08	36.89	484
1982	Wet	30.47	28.36	29.28	33.48	33.97	54.81	45.72	49.61	57.81	58.61	58.52	41.34	522
1983	Wet	34.42	32.04	55.72	52.13	49.06	54.81	46.16	47.49	49.66	48.82	57.82	39.56	568
1984	Wet	52.31	51.63	55.72	52.13	50.52	54.81	40.12	50.11	57.73	58.60	58.51	41.36	624
1985	Dry	34.37	32.04	33.13	32.00	32.46	39.01	44.21	46.51	53.07	50.75	48.29	40.25	486
1986	Wet	33.85	31.63	32.60	16.52	17.26	54.61	45.52	42.23	46.59	47.54	47.53	34.23	450
1987	Dry	28.40	26.52	27.20	29.41	32.42	33.71	33.90	39.67	45.45	46.05	46.00	32.73	421
1988	Critical	26.91	24.99	25.72	15.10	15.30	8.17	16.20	21.48	28.85	28.96	23.31	15.88	251
1989	Dry	7.98	5.21	4.71	2.01	3.12	10.14	43.37	52.91	59.54	61.01	60.96	44.30	355
1990	Critical	38.64	36.39	34.17	2.19	2.68	3.81	16.64	22.03	29.61	29.68	23.90	16.25	256
1991	Critical	8.21	5.37	4.88	1.61	1.79	2.11	15.34	20.26	27.25	27.38	22.05	14.96	151
1992	Critical	7.46	4.90	4.49	1.59	1.92	3.49	19.54	27.02	36.65	39.00	35.91	24.73	207
1993	Above Normal	15.73	12.95	10.05	4.24	31.10	48.14	43.30	52.65	60.39	61.24	61.21	43.63	445
1994	Critical	36.57	34.16	35.24	28.72	31.79	33.71	24.94	32.08	40.83	43.12	41.54	28.46	411
1995	Wet	20.77	18.48	16.75	9.34	34.20	44.53	45.65	51.94	60.09	61.28	61.25	43.65	468
1996	Wet	36.57	34.16	43.48	52.10	50.50	54.29	37.07	46.34	54.17	54.93	54.84	38.74	557
1997	Wet	32.11	29.89	30.89	33.48	41.06	53.27	31.10	36.56	42.02	42.63	42.51	29.98	446
1998	Wet	24.32	22.55	23.25	31.82	39.21	54.84	46.06	49.66	58.00	58.93	58.87	41.63	509
1999	Wet	34.66	51.61	55.75	52.13	48.46	54.84	37.54	46.97	54.09	54.96	54.89	38.78	585
2000	Above Normal	32.13	29.93	30.91	18.17	34.22	53.96	44.88	52.73	60.46	61.44	61.42	43.80	524
2001	Dry	36.69	34.28	35.35	19.12	17.79	39.48	19.27	30.58	41.79	45.37	43.04	29.76	393
2002	Dry	20.02	17.41	13.51	4.89	25.21	9.11	33.22	39.07	44.79	45.77	45.61	32.84	331
2003	Above Normal	26.85	24.96	25.34	25.12	33.10	29.51	38.75	54.39	61.75	49.56	47.74	45.90	463

Difference in Energy Use (GWh) At Pumping Plant at SWP Dos Amigos: CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	2	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	0	0	0	1	0	0	0	0	0	0	0
1927	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	-1	0	0	0	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	0	3	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1932	Dry	0	0	0	3	0	-1	0	0	0	-1	-1	-1	0
1933	Critical	-1	-1	-1	-1	10	0	0	0	0	-1	-1	-1	0
1934	Critical	-1	-2	-1	0	2	0	0	0	0	0	0	0	0
1935	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	0	1	0	0	0	0	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	2	-2	1	1	1	1	0	0
1940	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	4	0	5	0	0	0	0	-2	-3	0
1942	Wet	-2	-1	-1	0	6	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1945	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1946	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1947	Dry	0	0	0	0	0	5	1	1	1	1	1	1	1
1948	Below Norma	1	0	1	0	0	0	0	0	0	0	0	0	0
1949	Dry	0	0	0	0	0	0	0	1	1	1	1	1	0
1950	Below Norma	0	0	0	0	0	-5	0	0	0	0	0	0	0
1951	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	1	2	1	0
1956	Wet	1	2	1	0	0	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1961	Dry	0	0	0	0	1	1	0	0	0	0	0	0	0
1962	Below Norma	0	0	0	0	0	-9	-3	-1	-1	-1	-1	-1	-2
1963	Wet	-1	-1	-1	-1	0	0	0	0	0	-1	-1	-1	0
1964	Dry	0	0	0	2	0	3	2	0	-1	-2	-1	-1	0
1965	Wet	0	0	1	1	0	0	0	0	0	0	0	0	0
1966	Below Norma	0	0	0	5	3	0	-2	0	0	0	0	0	0
1967	Wet	0	0	0	1	-1	0	0	0	0	0	0	0	0
1968	Below Norma	0	1	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Norma	0	0	0	-1	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	-1	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	-1	-1	0	-2	0	0
1986	Wet	0	0	0	0	-1	0	0	0	0	0	0	0	0
1987	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	Dry	0	0	0	0	0	-3	0	0	0	0	0	0	0
1990	Critical	0	0	-3	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	1	1	1	1	1	1	0
1992	Critical	0	0	0	0	0	-7	2	0	0	1	1	1	0
1993	Above Norma	1	1	1	0	0	-2	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	0	0	0	0	0	1	0	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Below Norma		0	0	0	0	0	-1	0	0	0	0	0	0	0
Dry		0	0	0	0	0	1	0	0	0	0	0	0	0
Critical		0	0	0	0	1	-1	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at SWP Dos Amigos: CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1923	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1924	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1925	Dry	0%	0%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%
1926	Dry	0%	0%	0%	0%	0%	7%	1%	0%	0%	0%	0%	0%
1927	Wet	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%	0%
1928	Above Norma	0%	0%	0%	-2%	0%	0%	1%	1%	1%	1%	1%	1%
1929	Critical	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1930	Dry	1%	0%	0%	1%	24%	0%	0%	0%	0%	0%	0%	0%
1931	Critical	0%	0%	0%	0%	1%	0%	-1%	-1%	-1%	-1%	-1%	-1%
1932	Dry	-1%	-1%	-1%	127%	0%	-2%	0%	-1%	-1%	-2%	-4%	-5%
1933	Critical	-8%	-13%	-8%	-14%	70%	0%	1%	0%	0%	-1%	-4%	-4%
1934	Critical	-7%	-11%	-10%	-5%	11%	1%	0%	0%	0%	0%	0%	0%
1935	Below Norma	0%	0%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1936	Below Norma	0%	0%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1937	Below Norma	0%	1%	3%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1938	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	0%	5%	-5%	1%	1%	1%	1%	1%
1940	Above Norma	1%	1%	1%	-1%	0%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	13%	0%	12%	0%	0%	0%	-1%	-3%	-7%
1942	Wet	-7%	-2%	-2%	0%	14%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1944	Dry	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%
1945	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1946	Below Norma	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%
1947	Dry	0%	0%	0%	0%	1%	32%	2%	2%	2%	2%	2%	2%
1948	Below Norma	2%	2%	2%	-5%	-4%	-2%	0%	0%	0%	0%	0%	0%
1949	Dry	0%	0%	0%	1%	1%	2%	2%	2%	2%	2%	2%	2%
1950	Below Norma	2%	2%	2%	1%	2%	-16%	0%	0%	0%	0%	0%	0%
1951	Above Norma	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1955	Dry	0%	0%	0%	0%	0%	1%	0%	0%	2%	4%	5%	5%
1956	Wet	9%	13%	13%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1958	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1960	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1961	Dry	0%	0%	0%	1%	4%	3%	0%	0%	0%	0%	0%	0%
1962	Below Norma	0%	0%	0%	-2%	-2%	-27%	-7%	-2%	-2%	-2%	-2%	-2%
1963	Wet	-3%	-3%	-2%	-2%	0%	1%	1%	0%	0%	-2%	-1%	0%
1964	Dry	0%	0%	0%	13%	0%	9%	7%	0%	-3%	-4%	-3%	-2%
1965	Wet	0%	1%	4%	2%	0%	0%	0%	0%	0%	0%	0%	0%
1966	Below Norma	0%	0%	0%	15%	7%	0%	-6%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	0%	5%	-3%	0%	0%	0%	0%	0%	0%	0%
1968	Below Norma	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1969	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1972	Below Norma	0%	0%	0%	0%	0%	1%	-1%	0%	0%	0%	0%	0%
1973	Above Norma	0%	0%	0%	-2%	0%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1977	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1978	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1979	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1980	Above Norma	0%	0%	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1982	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	0%	-2%	-1%	0%	-4%	-1%
1986	Wet	-1%	-1%	-1%	-1%	-4%	0%	0%	0%	0%	0%	0%	0%
1987	Dry	0%	0%	0%	1%	0%	1%	1%	1%	1%	1%	1%	1%
1988	Critical	1%	1%	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%
1989	Dry	0%	0%	0%	0%	-1%	-22%	0%	0%	0%	0%	0%	0%
1990	Critical	0%	0%	-7%	-9%	-4%	2%	2%	2%	2%	2%	2%	2%
1991	Critical	2%	2%	2%	2%	2%	2%	4%	4%	4%	4%	4%	4%
1992	Critical	5%	4%	4%	3%	2%	-66%	13%	0%	0%	1%	3%	3%
1993	Above Norma	6%	10%	9%	2%	0%	-4%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1995	Wet	0%	0%	0%	0%	0%	2%	0%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1998	Wet	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2001	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2002	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2003	Above Norma	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%
Average		0%	0%	0%	2%	1%	-1%	0%	0%	0%	0%	0%	0%
Wet		0%	0%	0%	1%	0%	1%	0%	0%	0%	0%	0%	0%
Above Norma		1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Below Norma		0%	0%	0%	1%	0%	-3%	-1%	0%	0%	0%	0%	0%
Dry		0%	0%	0%	8%	2%	2%	0%	0%	0%	0%	0%	0%
Critical		-1%	-1%	-2%	-2%	7%	-5%	2%	0%	0%	0%	0%	0%

Energy Use (GWh) At Pumping Plant at SWP SL: CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	0.00	0.00	59.01	130.35	96.67	11.76	0.00	0.00	0.00	0.00	0.00	0.00	298
1923	Below Normal	0.00	34.58	50.90	84.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.96	185
1924	Critical	12.02	0.00	2.37	31.93	0.00	0.00	0.00	0.00	4.93	0.00	11.65	21.72	85
1925	Dry	30.42	39.77	98.26	36.10	0.12	0.00	4.74	2.35	0.00	0.00	0.00	6.46	218
1926	Dry	9.16	12.29	31.87	128.49	17.35	0.94	1.87	0.00	0.00	0.00	0.00	0.00	202
1927	Wet	8.31	31.16	49.26	101.68	56.05	0.61	0.00	0.00	0.00	0.00	0.00	0.50	248
1928	Above Normal	4.90	28.40	42.90	76.77	44.16	53.97	0.00	0.00	0.00	0.00	0.00	1.42	253
1929	Critical	0.00	16.85	19.09	56.90	37.57	20.91	0.00	0.00	0.00	0.00	6.86	0.00	158
1930	Dry	0.52	9.53	80.47	128.40	47.18	0.73	0.00	0.00	0.00	0.00	0.00	0.00	267
1931	Critical	0.00	4.94	11.59	63.75	0.00	9.07	0.00	0.00	0.00	0.00	7.75	0.00	97
1932	Dry	0.00	14.69	107.18	141.58	9.63	0.80	0.00	0.00	0.00	0.00	0.00	0.00	274
1933	Critical	11.78	7.76	58.92	136.22	51.47	0.67	0.00	0.00	0.00	0.00	0.00	0.00	267
1934	Critical	2.37	3.23	85.87	128.51	73.28	0.90	0.00	0.00	0.00	0.00	0.00	0.00	294
1935	Below Normal	11.74	39.54	15.25	125.89	52.23	17.27	1.47	0.00	0.00	0.00	0.00	0.00	263
1936	Below Normal	0.00	0.00	0.00	120.05	150.16	42.87	0.00	0.00	0.00	0.00	0.00	0.00	313
1937	Below Normal	0.00	0.00	0.00	119.07	145.66	51.14	1.48	0.00	0.00	0.00	0.00	0.00	317
1938	Wet	3.35	35.31	57.66	87.48	73.23	19.49	1.45	2.58	0.00	0.00	0.00	19.98	301
1939	Dry	42.49	16.89	46.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.24	117
1940	Above Normal	5.79	0.00	0.00	104.80	115.39	35.85	0.00	0.00	0.00	0.00	0.00	0.00	262
1941	Wet	6.00	3.52	39.75	84.15	68.39	48.41	0.00	0.00	0.00	0.00	0.00	9.58	260
1942	Wet	29.57	32.71	56.05	87.58	47.63	0.67	0.00	0.00	0.00	0.00	0.00	18.62	273
1943	Wet	38.92	43.19	59.71	21.75	0.12	0.71	1.63	0.00	0.00	0.00	0.00	4.37	170
1944	Dry	10.09	4.12	19.57	79.40	84.83	0.00	0.00	0.00	0.00	0.00	0.00	10.94	209
1945	Below Normal	0.00	32.54	47.42	65.47	107.25	0.00	0.00	0.00	0.00	0.00	0.00	7.12	260
1946	Below Normal	0.57	34.74	57.68	81.25	0.00	8.81	0.00	0.00	0.00	0.00	0.00	15.86	199
1947	Dry	16.37	17.04	55.76	42.46	60.56	68.35	0.00	0.00	0.00	0.00	0.00	8.03	269
1948	Below Normal	4.95	9.79	0.00	90.14	0.00	40.20	24.71	0.00	0.00	0.00	0.00	11.62	181
1949	Dry	5.98	0.00	19.08	32.07	10.45	114.05	0.00	0.00	0.00	7.39	0.00	1.51	191
1950	Below Normal	0.00	13.44	8.78	113.89	118.78	35.67	0.00	0.00	0.00	0.00	0.00	6.22	297
1951	Above Normal	12.96	41.03	65.09	89.78	63.30	0.71	0.00	0.00	0.00	0.00	0.00	11.06	284
1952	Wet	2.45	27.66	48.77	77.02	62.83	12.23	1.70	2.86	0.00	0.00	0.00	21.79	257
1953	Wet	32.13	0.30	0.03	0.00	0.00	25.47	0.00	0.00	0.00	0.00	0.00	14.98	73
1954	Above Normal	4.54	40.23	28.19	63.11	53.13	34.13	0.00	0.00	0.00	0.00	0.00	0.00	223
1955	Dry	2.97	29.06	44.10	93.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.80	171
1956	Wet	2.54	25.93	105.42	104.09	8.40	0.71	0.00	0.00	0.00	0.00	0.00	18.97	266
1957	Above Normal	39.25	0.00	6.69	64.14	53.07	43.53	0.00	0.00	0.00	0.00	5.52	1.63	214
1958	Wet	42.01	53.70	68.24	53.53	0.15	0.57	1.69	0.00	0.00	0.00	0.00	18.56	238
1959	Below Normal	40.95	9.19	17.44	0.00	0.11	0.00	0.00	0.00	0.00	0.00	2.91	0.00	71
1960	Dry	4.40	0.00	25.03	43.49	87.05	57.71	0.00	0.00	0.00	0.00	0.00	11.99	230
1961	Dry	0.00	29.88	71.05	63.21	84.51	0.65	0.00	0.00	0.00	0.00	0.00	0.00	249
1962	Below Normal	7.23	7.23	52.69	20.73	120.54	28.18	0.00	0.00	0.00	0.00	0.00	7.37	244
1963	Wet	21.76	29.21	40.86	61.54	55.06	26.50	0.00	0.00	0.00	0.00	0.00	0.53	235
1964	Dry	16.25	31.14	25.02	92.71	0.00	0.00	0.00	0.00	0.00	7.53	5.90	9.79	188
1965	Wet	1.04	52.95	77.31	91.38	21.00	0.66	1.50	0.00	0.00	0.00	0.00	16.65	262
1966	Below Normal	12.22	55.82	79.04	79.44	8.88	0.69	0.00	0.00	0.00	0.00	0.00	0.00	236
1967	Wet	5.36	33.84	63.47	92.47	44.15	0.57	0.70	2.46	0.00	0.00	0.00	18.10	261
1968	Below Normal	42.14	10.71	0.01	0.00	0.15	0.74	0.00	0.00	0.00	0.00	2.61	0.00	56
1969	Wet	6.55	15.46	55.35	110.43	55.34	0.64	1.54	2.78	0.00	0.00	0.00	17.57	266
1970	Wet	40.88	42.12	15.64	0.00	0.14	0.74	0.00	0.00	0.00	0.00	0.00	0.00	100
1971	Wet	16.00	31.83	47.84	59.81	0.00	37.39	0.00	0.00	0.00	0.00	0.00	7.84	201
1972	Below Normal	22.19	0.00	44.81	79.45	2.25	45.66	0.00	0.00	0.00	0.00	0.00	3.11	197
1973	Above Normal	13.72	66.57	90.68	33.96	0.12	0.58	0.00	0.00	0.00	0.00	0.00	0.00	206
1974	Wet	7.70	42.05	61.18	83.85	31.27	0.69	0.00	0.00	0.00	0.00	0.00	15.28	242
1975	Wet	37.72	29.40	54.65	66.30	0.10	0.60	0.00	0.00	0.00	0.00	0.00	15.82	205
1976	Critical	37.17	41.18	53.90	30.68	0.00	3.55	0.00	0.00	0.00	0.00	0.00	4.26	171
1977	Critical	4.67	0.69	26.98	17.71	0.00	0.00	0.00	0.00	0.00	0.00	2.95	11.01	64
1978	Above Normal	8.06	17.40	102.31	90.28	0.11	0.81	1.38	2.61	0.00	0.00	0.00	1.63	225
1979	Below Normal	0.00	16.06	0.00	117.14	73.81	62.49	0.00	0.00	0.00	0.00	0.00	0.00	270
1980	Above Normal	5.08	41.00	52.58	89.25	76.66	0.65	1.54	0.00	0.00	0.00	0.00	17.20	284
1981	Dry	2.81	0.00	60.43	67.81	34.23	0.63	0.00	0.00	0.00	0.00	0.00	10.76	177
1982	Wet	2.21	37.80	55.84	64.20	69.77	0.86	1.33	0.00	0.00	0.00	0.00	20.44	252
1983	Wet	42.61	47.90	6.13	0.00	0.12	0.67	1.24	2.54	2.70	3.25	0.00	26.66	134
1984	Wet	1.34	0.34	0.04	0.00	0.10	0.84	0.00	0.00	0.00	0.00	0.00	0.60	3
1985	Dry	18.11	33.67	47.88	50.30	1.93	0.00	0.00	0.00	0.55	0.42	13.33	13.33	166
1986	Wet	5.49	13.40	47.36	95.08	109.87	0.83	1.58	2.59	0.00	0.00	0.00	33.20	309
1987	Dry	1.18	0.86	13.49	67.30	54.43	60.40	0.00	0.00	0.00	0.00	0.00	5.19	203
1988	Critical	0.00	0.00	58.66	94.79	0.00	0.00	0.00	0.00	0.00	0.00	6.43	0.00	160
1989	Dry	0.00	31.56	31.34	76.97	6.78	95.25	0.00	0.00	0.00	0.00	0.00	0.00	242
1990	Critical	5.24	0.00	0.00	109.86	29.86	32.47	0.00	0.00	0.00	0.00	13.10	0.60	191
1991	Critical	6.71	3.57	9.70	18.79	18.50	121.29	0.00	0.00	0.00	0.00	0.00	0.00	179
1992	Critical	13.83	0.00	18.23	31.38	125.64	82.41	0.00	0.00	0.00	0.00	0.00	0.00	271
1993	Above Normal	0.73	2.89	41.21	125.89	59.66	15.71	0.00	0.00	0.00	0.00	0.00	8.83	255
1994	Critical	7.38	0.00	7.93	28.23	48.24	0.00	0.00	0.00	0.00	9.88	6.05	13.83	122
1995	Wet	0.00	8.26	24.34	113.09	56.69	40.91	1.52	0.00	0.00	0.00	0.00	16.91	262
1996	Wet	40.67	0.00	32.10	0.00	0.14	0.76	1.77	0.00	0.00	0.00	0.00	17.69	93
1997	Wet	0.00	42.70	64.44	81.91	51.79	0.85	0.00	0.00	0.00	0.00	0.00	6.58	248
1998	Wet	1.41	40.15	70.23	78.39	57.58	0.71	1.45	0.00	0.00	0.00	0.00	21.69	272
1999	Wet	42.97	0.33	0.00	0.00	0.06	0.60	0.00	0.00	0.00	0.00	0.00	17.36	61
2000	Above Normal	0.00	43.08	6.77	96.79	76.12	16.08	0.00	0.00	0.00	0.00	0.00	0.08	239
2001	Dry	5.10	24.49	20.23	89.55	90.91	11.09	0.00	0.00	0.00	0.00	0.00	0.02	241
2002	Dry	0.00	21.79	85.36	127.64	0.00	30.89	0.00	0.00	0.00	0.00	0.00	6.94	273
2003	Above Normal	0.00	0.00	52.35	68.65	0.00	43.21	0.00	0.00	0.00	0.55	0.45	6.40	172
Average		12	20	41	71	40	19	1	0	0	0	1	8	213
Wet		17	28	46	62	33	9	1	1	0	0	0	15	211
Above Normal		8	23	46	86	53	21	0	0	0	0	0	4	243
Below Normal		10	19	27	78	56	24	2	0	0	0	0	5	221
Dry		9	18	49	76	33	25	0	0	0	1	0	5	216
Critical		8	7	29	62	32	23							

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Energy Use (GWh) At Pumping Plant at SWP SL: CP4B_2020

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	0.00	0.00	59.01	130.35	96.67	11.76	0.00	0.00	0.00	0.00	0.00	0.00	298
1923	Below Normal	0.00	34.58	50.90	84.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.96	185
1924	Critical	12.02	0.00	2.37	31.93	0.00	0.00	0.00	0.00	4.93	0.00	11.65	21.72	85
1925	Dry	30.42	39.77	98.62	35.71	0.12	0.00	4.74	2.35	0.00	0.00	0.00	5.73	217
1926	Dry	9.09	12.31	31.93	128.80	18.80	0.94	1.87	0.00	0.00	0.00	0.00	0.00	204
1927	Wet	7.83	31.93	49.60	102.49	57.60	0.61	0.00	0.00	0.00	0.00	0.00	0.50	251
1928	Above Normal	4.89	28.20	42.83	78.13	45.98	54.05	0.00	0.00	0.00	0.00	0.00	2.00	256
1929	Critical	0.00	17.96	21.02	57.47	37.62	20.95	0.00	0.00	0.00	0.00	7.02	0.00	162
1930	Dry	0.43	9.58	82.40	129.09	45.52	0.73	0.00	0.00	0.00	0.00	0.00	0.00	268
1931	Critical	0.00	4.50	7.42	71.77	0.00	9.58	0.00	0.00	0.00	0.00	8.68	0.00	102
1932	Dry	5.73	20.09	107.07	129.49	0.09	0.80	0.00	0.00	0.00	0.00	0.00	1.97	265
1933	Critical	14.04	10.54	67.41	140.89	25.19	0.67	0.00	0.00	0.00	0.00	0.00	0.00	259
1934	Critical	3.52	2.92	89.10	130.35	68.67	0.90	0.00	0.00	0.00	0.00	0.00	0.00	295
1935	Below Normal	12.00	40.42	15.87	126.76	52.63	12.46	1.47	0.00	0.00	0.00	0.00	0.00	262
1936	Below Normal	0.00	0.00	0.00	120.18	150.29	42.81	0.00	0.00	0.00	0.00	0.00	0.00	313
1937	Below Normal	0.00	0.00	0.00	119.95	145.81	50.08	1.48	0.00	0.00	0.00	0.00	0.00	317
1938	Wet	3.51	35.51	58.00	87.69	73.25	19.02	1.45	2.58	0.00	0.00	0.00	19.99	301
1939	Dry	42.43	16.87	46.49	0.00	0.08	0.66	0.00	0.00	0.00	0.00	0.00	10.65	117
1940	Above Normal	5.37	0.00	0.00	105.64	116.69	36.78	0.00	0.00	0.00	0.00	0.00	0.00	264
1941	Wet	13.21	18.46	40.32	75.33	68.57	34.89	0.00	0.00	0.00	0.00	0.00	14.41	265
1942	Wet	36.67	34.41	58.58	89.41	20.92	0.67	0.00	0.00	0.00	0.00	0.00	18.71	259
1943	Wet	39.04	43.32	59.86	20.61	0.12	0.71	1.63	0.00	0.00	0.00	0.00	4.38	170
1944	Dry	10.09	4.12	19.55	79.64	84.41	0.00	0.00	0.00	0.00	0.00	0.00	10.84	209
1945	Below Normal	0.00	32.58	47.46	65.55	107.15	0.00	0.00	0.00	0.00	0.00	0.00	7.38	260
1946	Below Normal	2.28	34.82	57.64	81.28	0.00	8.85	0.00	0.00	0.00	0.00	0.00	16.16	201
1947	Dry	20.42	13.56	56.34	37.00	62.02	69.97	0.00	0.00	0.00	0.00	0.00	7.85	267
1948	Below Normal	5.43	9.06	0.00	91.53	0.00	40.63	24.45	0.00	0.00	0.00	0.00	11.64	183
1949	Dry	11.44	0.00	13.89	21.33	11.35	112.65	0.00	0.00	0.00	2.44	0.00	1.88	175
1950	Below Normal	0.23	4.38	5.63	112.93	117.32	33.53	0.00	0.00	0.00	0.00	0.00	5.54	280
1951	Above Normal	14.26	42.15	66.52	90.38	63.78	0.71	0.00	0.00	0.00	0.00	0.00	12.11	290
1952	Wet	4.43	31.48	49.18	77.80	63.50	4.93	1.70	2.66	0.00	0.00	0.00	21.79	257
1953	Wet	32.13	0.30	0.03	0.00	0.00	25.47	0.00	0.00	0.00	0.00	0.00	14.99	73
1954	Above Normal	4.55	40.24	28.19	63.12	53.14	33.81	0.00	0.00	0.00	0.00	0.00	0.00	223
1955	Dry	3.68	29.17	44.13	93.62	0.00	12.75	0.00	0.00	0.00	0.00	0.00	0.00	183
1956	Wet	0.86	22.85	101.81	102.73	23.17	0.71	0.00	0.00	0.00	0.00	0.00	18.99	271
1957	Above Normal	39.22	0.00	6.66	64.05	53.07	43.53	0.00	0.00	0.00	0.00	5.51	1.62	214
1958	Wet	42.00	53.69	68.23	53.56	0.15	0.57	1.69	0.00	0.00	0.00	0.00	18.56	238
1959	Below Normal	40.94	9.17	17.54	0.00	0.11	0.00	0.00	0.00	0.00	0.00	2.80	0.00	71
1960	Dry	4.42	0.00	25.00	43.42	86.73	57.63	0.00	0.00	0.00	0.00	0.00	12.02	229
1961	Dry	0.00	31.08	71.08	63.54	82.90	0.65	0.00	0.00	0.00	0.00	0.00	7.13	256
1962	Below Normal	0.15	6.95	58.29	21.63	123.01	49.93	0.00	0.00	0.00	0.00	0.00	8.06	268
1963	Wet	23.67	33.79	42.71	63.90	56.39	22.83	0.00	0.00	0.00	0.00	0.00	0.54	244
1964	Dry	16.33	31.54	25.00	87.03	0.00	0.00	0.00	0.00	0.00	10.13	9.13	10.40	190
1965	Wet	0.83	52.62	75.38	90.27	22.63	0.66	1.50	0.00	0.00	0.00	0.00	17.21	261
1966	Below Normal	19.88	56.80	80.78	64.63	0.08	0.69	0.00	0.00	0.00	0.00	0.00	0.00	223
1967	Wet	4.02	34.00	63.70	89.80	46.60	0.57	0.70	2.46	0.00	0.00	0.00	18.37	260
1968	Below Normal	42.44	9.27	0.01	0.00	0.15	0.74	0.00	0.00	0.00	0.00	2.61	0.00	55
1969	Wet	6.58	15.99	55.54	110.73	55.20	0.64	1.54	2.78	0.00	0.00	0.00	17.59	267
1970	Wet	40.90	42.14	15.54	0.00	0.14	0.74	0.00	0.00	0.00	0.00	0.00	0.00	99
1971	Wet	16.00	31.83	47.84	59.81	0.00	37.38	0.00	0.00	0.00	0.00	0.00	7.84	201
1972	Below Normal	22.19	0.00	44.82	79.45	2.27	44.94	0.00	0.00	0.00	0.00	0.00	3.15	197
1973	Above Normal	11.99	66.64	90.82	36.47	0.12	0.58	0.00	0.00	0.00	0.00	0.00	0.00	207
1974	Wet	7.68	42.04	61.17	83.85	32.97	0.69	0.00	0.00	0.00	0.00	0.00	15.28	244
1975	Wet	37.72	29.39	54.65	66.31	0.10	0.60	0.00	0.00	0.00	0.00	0.00	15.83	205
1976	Critical	37.18	41.19	53.91	30.68	0.00	3.73	0.00	0.00	0.00	0.00	0.00	4.24	171
1977	Critical	4.68	0.68	27.00	17.70	0.00	0.00	0.00	0.00	0.00	0.00	2.93	11.01	64
1978	Above Normal	8.06	17.39	102.28	90.32	0.11	0.81	1.38	2.61	0.00	0.00	0.00	1.61	225
1979	Below Normal	0.00	16.24	0.00	117.08	73.79	62.41	0.00	0.00	0.00	0.00	0.00	0.00	270
1980	Above Normal	4.93	38.15	51.87	87.93	79.33	2.75	1.54	0.00	0.00	0.00	0.00	17.13	284
1981	Dry	2.75	0.00	60.32	67.78	34.75	0.84	0.00	0.00	0.00	0.00	0.00	10.72	177
1982	Wet	2.89	38.58	56.10	64.56	70.18	0.88	1.33	0.00	0.00	0.00	0.00	20.44	255
1983	Wet	42.61	47.90	6.14	0.00	0.12	0.67	1.24	2.54	2.70	3.25	0.00	26.66	134
1984	Wet	1.34	0.34	0.04	0.00	0.10	0.84	0.00	0.00	0.00	0.00	0.00	0.60	3
1985	Dry	18.10	33.67	47.88	50.30	1.93	0.00	0.00	0.00	0.55	0.42	13.77	167	
1986	Wet	3.03	13.57	47.66	94.57	110.47	0.82	1.58	2.59	0.00	0.00	0.00	33.40	308
1987	Dry	1.24	0.90	13.60	71.92	54.45	59.89	0.00	0.00	0.00	0.00	0.00	5.17	207
1988	Critical	0.00	0.00	58.36	94.64	0.00	0.00	0.00	0.00	0.00	0.00	6.41	0.00	159
1989	Dry	0.00	31.55	29.96	77.33	4.63	105.04	0.00	0.00	0.00	0.00	0.00	4.37	253
1990	Critical	5.22	0.00	0.00	110.70	30.13	32.20	0.00	0.00	0.00	0.00	12.03	0.20	190
1991	Critical	6.70	2.65	10.05	18.64	17.13	120.75	0.00	0.00	0.00	0.00	0.00	0.00	176
1992	Critical	12.40	0.00	17.69	30.77	123.03	100.95	0.00	0.00	0.00	0.00	0.00	0.00	285
1993	Above Normal	1.33	3.09	37.48	124.82	59.49	20.87	0.00	0.00	0.00	0.00	0.00	8.84	256
1994	Critical	7.36	0.00	7.92	28.18	48.26	0.00	0.00	0.00	0.00	9.88	6.05	13.77	121
1995	Wet	0.00	8.34	26.02	113.70	57.03	39.39	1.52	0.00	0.00	0.00	0.00	16.92	263
1996	Wet	40.69	0.00	31.98	0.00	0.14	0.76	1.77	0.00	0.00	0.00	0.00	17.82	93
1997	Wet	0.00	42.76	64.59	82.13	51.86	0.85	0.00	0.00	0.00	0.00	0.00	6.59	249
1998	Wet	1.39	41.03	70.37	78.54	56.50	0.71	1.45	0.00	0.00	0.00	0.00	21.69	272
1999	Wet	42.94	0.33	0.00	0.00	0.06	0.60	0.00	0.00	0.00	0.00	0.00	17.37	61
2000	Above Normal	0.00	43.09	6.78	96.78	76.12	16.05	0.00	0.00	0.00	0.00	0.00	0.06	239
2001	Dry	5.16	24.47	20.17	89.55	90.91	11.09	0.00	0.00	0.00	0.00	0.00	0.38	242
2002	Dry	0.00	21.88	85.56	128.04	0.00	30.93	0.00	0.00	0.00	0.00	0.00	6.95	273
2003	Above Normal	0.00	0.00	52.29	68.32	0.00	43.20	0.00	0.00	0.00	0.55	0.45	6.40	171
Average		12	20	41	71	39	19	1	0	0	0	1	8	213
Wet		17	29	46	62	33	8	1	1	0	0	0	15	212
Above Normal		8	23	45	86	54	22	0	0	0	0	0	4	244
Below Normal		10	18	27	78	55	25	2	0	0	0	0	5	220
Dry		10	18	49	74	32	26	0	0	0	1	1	6	217
Critical		9	7	30	64	29</								

Difference in Energy Use (GWh) At Pumping Plant at SWP SL: CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	0	0	0	0	0	0	0	0	-1	0
1926	Dry	0	0	0	0	1	0	0	0	0	0	0	0	0
1927	Wet	0	1	0	1	2	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	1	2	0	0	0	0	0	0	1	0
1929	Critical	0	1	2	1	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	2	1	-2	0	0	0	0	0	0	0	0
1931	Critical	0	0	-4	8	0	1	0	0	0	0	1	0	0
1932	Dry	6	5	0	-12	-10	0	0	0	0	0	0	2	-1
1933	Critical	2	3	8	5	-26	0	0	0	0	0	0	0	-1
1934	Critical	1	0	3	2	-5	0	0	0	0	0	0	0	0
1935	Below Norma	0	1	1	1	0	-5	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	0	0	1	0	-1	0	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	1	0	0	0	0	0	-1	0
1940	Above Norma	0	0	0	1	1	1	0	0	0	0	0	0	0
1941	Wet	7	15	1	-9	0	-14	0	0	0	0	0	5	0
1942	Wet	7	2	3	2	-27	0	0	0	0	0	0	0	-1
1943	Wet	0	0	0	-1	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1945	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1946	Below Norma	2	0	0	0	0	0	0	0	0	0	0	0	0
1947	Dry	4	-3	1	-5	1	2	0	0	0	0	0	0	0
1948	Below Norma	0	-1	0	1	0	0	0	0	0	0	0	0	0
1949	Dry	5	0	-5	-11	1	-1	0	0	0	-5	0	0	-1
1950	Below Norma	0	-9	-3	-1	-1	-2	0	0	0	0	0	-1	-1
1951	Above Norma	1	1	1	1	0	0	0	0	0	0	0	1	0
1952	Wet	2	4	0	1	1	-7	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	1	0	0	0	0	13	0	0	0	0	0	-1	1
1956	Wet	-2	-3	-4	-1	15	0	0	0	0	0	0	0	0
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1961	Dry	0	1	0	0	-2	0	0	0	0	0	0	7	1
1962	Below Norma	-7	0	6	1	2	22	0	0	0	0	0	1	2
1963	Wet	2	5	2	2	1	-4	0	0	0	0	0	0	1
1964	Dry	0	0	0	-6	0	0	0	0	0	3	3	1	0
1965	Wet	0	0	-2	-1	2	0	0	0	0	0	0	1	0
1966	Below Norma	8	1	2	-15	-9	0	0	0	0	0	0	0	-1
1967	Wet	-1	0	0	-3	2	0	0	0	0	0	0	0	0
1968	Below Norma	0	-1	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	1	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	-1	0	0	0	0	0	0	0
1973	Above Norma	-2	0	0	3	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	2	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	Above Norma	0	-3	-1	-1	3	2	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	1	0	0	0	0	0	0	0	0
1982	Wet	1	1	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	Wet	-2	0	0	-1	1	0	0	0	0	0	0	0	0
1987	Dry	0	0	0	5	0	-1	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	Dry	0	0	-1	0	-2	10	0	0	0	0	0	4	1
1990	Critical	0	0	0	1	0	0	0	0	0	0	-1	0	0
1991	Critical	0	-1	0	0	-1	-1	0	0	0	0	0	0	0
1992	Critical	-1	0	-1	-1	-3	19	0	0	0	0	0	0	1
1993	Above Norma	1	0	-4	-1	0	5	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	0	0	2	1	0	-2	0	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	1	0	0	-1	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
Average		0	0	0	0	-1	0	0	0	0	0	0	0	0
Wet		0	1	0	0	0	-1	0	0	0	0	0	0	0
Above Norma		0	0	0	0	1	1	0	0	0	0	0	0	0
Below Norma		0	-1	0	-1	-1	1	0	0	0	0	0	0	0
Dry		1	0	0	-2	-1	1	0	0	0	0	0	1	0
Critical		0	0	1	1	-3	2	0	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at SWP SL: CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	-		0%	0%	0%	0%	-	-	-	-	-	-
1923	Below Norma	-	0%	0%	0%	-	-	-	-	-	-	-	0%
1924	Critical	0%	-	0%	0%	-	-	-	-	0%	-	0%	0%
1925	Dry	0%	0%	0%	-1%	0%	-	0%	0%	-	-	-	-11%
1926	Dry	-1%	0%	0%	0%	8%	0%	0%	-	-	-	-	-
1927	Wet	-6%	2%	1%	1%	3%	0%	-	-	-	-	-	0%
1928	Above Norma	0%	-1%	0%	2%	4%	0%	-	-	-	-	-	41%
1929	Critical	-	7%	10%	1%	0%	0%	-	-	-	-	2%	-
1930	Dry	-17%	1%	2%	1%	-4%	0%	-	-	-	-	-	-
1931	Critical	-	-9%	-36%	13%	-	6%	-	-	-	-	12%	-
1932	Dry	-	37%	0%	-9%	-99%	0%	-	-	-	-	-	-
1933	Critical	19%	36%	14%	3%	-51%	0%	-	-	-	-	-	-
1934	Critical	48%	-10%	4%	1%	-6%	0%	-	-	-	-	-	-
1935	Below Norma	2%	2%	4%	1%	1%	-28%	0%	-	-	-	-	-
1936	Below Norma	-	-	0%	0%	0%	0%	-	-	-	-	-	-
1937	Below Norma	-	-	0%	1%	0%	-2%	0%	-	-	-	-	-
1938	Wet	5%	1%	1%	0%	0%	-2%	0%	0%	-	-	-	0%
1939	Dry	0%	0%	-1%	-	-	-	-	-	-	-	-	-5%
1940	Above Norma	-7%	-	-	1%	1%	3%	-	-	-	-	-	-
1941	Wet	120%	425%	1%	-10%	0%	-28%	-	-	-	-	-	50%
1942	Wet	24%	5%	5%	2%	-56%	0%	-	-	-	-	-	1%
1943	Wet	0%	0%	0%	-5%	0%	0%	0%	-	-	-	-	0%
1944	Dry	0%	0%	0%	0%	-1%	-	-	-	-	-	-	-1%
1945	Below Norma	-	0%	0%	0%	0%	-	-	-	-	-	-	4%
1946	Below Norma	303%	0%	0%	0%	-	1%	-	-	-	-	-	2%
1947	Dry	25%	-20%	1%	-13%	2%	-2%	-	-	-	-	-	-2%
1948	Below Norma	10%	-7%	-	2%	-	1%	-1%	-	-	-	-	0%
1949	Dry	91%	-	-27%	-33%	9%	-1%	-	-	-	-67%	-	25%
1950	Below Norma	-	-67%	-36%	-1%	-1%	-6%	-	-	-	-	-	-11%
1951	Above Norma	10%	3%	2%	1%	1%	0%	-	-	-	-	-	10%
1952	Wet	81%	14%	1%	1%	1%	-60%	0%	0%	-	-	-	0%
1953	Wet	0%	0%	0%	-	-	0%	-	-	-	-	-	0%
1954	Above Norma	0%	0%	0%	0%	0%	-1%	-	-	-	-	-	-
1955	Dry	24%	0%	0%	0%	-	-	-	-	-	-	-	-100%
1956	Wet	-66%	-12%	-3%	-1%	176%	0%	-	-	-	-	-	0%
1957	Above Norma	0%	-	0%	0%	0%	0%	-	-	-	-	0%	0%
1958	Wet	0%	0%	0%	0%	0%	0%	0%	-	-	-	-	0%
1959	Below Norma	0%	0%	1%	-	0%	-	-	-	-	-	-4%	-
1960	Dry	1%	-	0%	0%	0%	0%	-	-	-	-	-	0%
1961	Dry	-	4%	0%	1%	-2%	0%	-	-	-	-	-	-
1962	Below Norma	-98%	-4%	11%	4%	2%	77%	-	-	-	-	-	9%
1963	Wet	9%	16%	5%	4%	2%	-14%	-	-	-	-	-	0%
1964	Dry	0%	1%	0%	-6%	-	-	-	-	-	35%	55%	6%
1965	Wet	-20%	-1%	-2%	-1%	8%	0%	0%	-	-	-	-	3%
1966	Below Norma	63%	2%	2%	-19%	-99%	0%	-	-	-	-	-	-
1967	Wet	-25%	0%	0%	-3%	6%	0%	0%	0%	-	-	-	1%
1968	Below Norma	1%	-13%	0%	-	0%	0%	-	-	-	-	0%	-
1969	Wet	0%	3%	0%	0%	0%	0%	0%	0%	-	-	-	0%
1970	Wet	0%	0%	-1%	-	0%	0%	-	-	-	-	-	-
1971	Wet	0%	0%	0%	0%	-	0%	-	-	-	-	-	0%
1972	Below Norma	0%	-	0%	0%	1%	-2%	-	-	-	-	-	1%
1973	Above Norma	-13%	0%	0%	7%	0%	0%	-	-	-	-	-	-
1974	Wet	0%	0%	0%	0%	5%	0%	-	-	-	-	-	0%
1975	Wet	0%	0%	0%	0%	0%	0%	-	-	-	-	-	0%
1976	Critical	0%	0%	0%	0%	-	5%	-	-	-	-	-	0%
1977	Critical	0%	-2%	0%	0%	-	-	-	-	-	-	-1%	0%
1978	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	-	-	-	-2%
1979	Below Norma	1%	-	0%	0%	0%	0%	-	-	-	-	-	-
1980	Above Norma	-3%	-7%	-1%	-1%	3%	325%	0%	-	-	-	-	0%
1981	Dry	-2%	-	0%	0%	2%	33%	-	-	-	-	-	0%
1982	Wet	31%	2%	0%	1%	1%	2%	0%	-	-	-	-	0%
1983	Wet	0%	0%	0%	-	0%	0%	0%	0%	0%	0%	-	0%
1984	Wet	0%	0%	0%	-	0%	0%	-	-	-	-	-	0%
1985	Dry	0%	0%	0%	0%	0%	-	-	-	-	0%	0%	3%
1986	Wet	-45%	1%	1%	-1%	1%	-1%	0%	0%	-	-	-	1%
1987	Dry	5%	4%	1%	7%	0%	-1%	-	-	-	-	-	0%
1988	Critical	-	-	-1%	0%	-	-	-	-	-	-	0%	-
1989	Dry	-	0%	-4%	0%	-32%	10%	-	-	-	-	-	-
1990	Critical	0%	-	-	1%	1%	-1%	-	-	-	-	-8%	-67%
1991	Critical	0%	-26%	4%	-1%	-7%	0%	-	-	-	-	-	-
1992	Critical	-10%	-	-3%	-2%	-2%	22%	-	-	-	-	-	-
1993	Above Norma	83%	7%	-9%	-1%	0%	33%	-	-	-	-	-	0%
1994	Critical	0%	-	0%	0%	0%	-	-	-	-	0%	0%	0%
1995	Wet	-	1%	7%	1%	1%	-4%	0%	-	-	-	-	0%
1996	Wet	0%	-	0%	-	0%	0%	0%	-	-	-	-	1%
1997	Wet	-	0%	0%	0%	0%	0%	-	-	-	-	-	0%
1998	Wet	-1%	2%	0%	0%	-2%	0%	0%	-	-	-	-	0%
1999	Wet	0%	0%	-	-	0%	0%	-	-	-	-	-	0%
2000	Above Norma	-	0%	0%	0%	0%	0%	-	-	-	-	-	-22%
2001	Dry	1%	0%	0%	0%	0%	0%	-	-	-	-	-	1615%
2002	Dry	-	0%	0%	0%	0%	0%	-	-	-	-	-	0%
2003	Above Norma	-	-	0%	0%	-	0%	-	-	-	0%	0%	0%
Average		10%	6%	-1%	-1%	-2%	5%	0%	0%	0%	-5%	4%	27%
Wet		4%	18%	1%	0%	6%	-4%	0%	0%	0%	0%	0%	2%
Above Norma		6%	0%	-1%	1%	1%	30%	0%	0%	0%	0%	0%	2%
Below Norma		20%	-6%	-1%	-1%	-7%	3%	0%	0%	0%	0%	0%	0%
Dry		7%	2%	-2%	-3%	-6%	2%	0%	0%	0%	-2%	3%	85%
Critical		5%	0%	-1%	1%	-5%	3%	0%	0%	0%	0%	0%	-6%

Energy Use (GWh) At Pumping Plant at Teerink: CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	72.96	63.62	48.15	2.14	42.96	70.83	66.47	71.54	70.47	72.77	72.31	68.33	723
1923	Below Normal	63.62	58.30	57.31	62.28	60.41	70.34	70.67	73.54	70.34	75.16	71.41	60.84	794
1924	Critical	55.51	50.56	49.62	33.52	30.08	14.94	18.92	22.47	23.00	21.43	18.13	16.40	355
1925	Dry	7.33	4.76	4.14	27.89	44.45	3.76	35.94	42.44	46.31	44.53	43.36	40.03	345
1926	Dry	24.43	18.85	13.42	7.87	52.78	30.02	47.33	63.13	63.51	65.34	65.03	61.63	513
1927	Wet	57.01	52.38	51.32	30.57	60.32	70.83	69.54	71.44	70.47	72.67	72.22	68.28	747
1928	Above Normal	63.53	58.18	57.18	52.28	62.48	68.49	59.59	56.72	55.70	57.47	57.07	53.90	703
1929	Critical	49.30	44.96	44.00	32.76	28.99	15.27	34.12	43.40	45.72	42.22	35.57	32.31	449
1930	Dry	16.10	9.69	8.30	3.29	16.56	53.97	38.45	55.48	58.73	59.03	63.71	59.62	443
1931	Critical	43.23	38.63	27.99	11.08	10.30	8.25	33.59	42.30	44.43	41.12	34.57	31.37	367
1932	Dry	15.51	9.40	8.06	3.28	52.63	27.46	29.13	43.15	45.48	43.67	42.36	39.14	359
1933	Critical	23.66	18.00	12.89	7.24	20.15	43.04	28.35	41.85	43.97	44.35	47.69	44.51	376
1934	Critical	31.16	27.44	19.15	9.14	20.38	8.30	29.56	43.32	45.37	45.78	49.44	46.22	375
1935	Below Normal	32.49	28.86	20.23	8.19	9.48	58.36	53.33	74.71	70.58	76.39	75.91	71.66	580
1936	Below Normal	73.03	50.48	47.83	3.92	4.67	70.21	66.90	72.16	70.36	73.11	72.51	68.65	674
1937	Below Normal	65.27	56.64	36.59	4.44	4.73	54.56	65.53	69.59	69.77	72.04	71.53	67.72	638
1938	Wet	63.34	58.34	57.30	61.40	60.41	70.66	71.32	66.61	65.89	67.82	67.29	63.57	774
1939	Dry	58.83	53.68	56.53	62.28	57.17	57.36	55.68	56.66	55.87	57.56	57.11	53.86	683
1940	Above Normal	49.27	44.82	43.91	18.49	17.71	70.70	71.20	74.01	70.51	75.45	75.12	71.43	683
1941	Wet	69.49	64.82	64.13	54.71	60.41	70.43	71.13	73.98	70.46	75.67	75.09	70.22	821
1942	Wet	64.49	55.22	54.26	62.28	60.41	70.65	64.73	66.32	65.57	67.61	67.09	63.33	762
1943	Wet	58.64	53.48	52.52	62.28	60.41	70.24	53.86	54.69	55.16	57.05	56.56	53.41	688
1944	Dry	48.83	44.35	43.45	33.11	43.20	67.84	67.52	67.83	66.58	68.80	68.44	64.80	685
1945	Below Normal	60.10	55.11	54.11	34.91	38.82	62.34	66.94	68.15	67.07	69.21	68.81	65.15	711
1946	Below Normal	60.44	55.48	54.46	62.28	60.41	69.99	70.53	73.33	69.15	62.42	61.94	58.45	759
1947	Dry	53.76	49.00	48.06	37.22	33.54	28.32	53.33	59.61	58.25	60.08	59.84	56.74	598
1948	Below Normal	52.18	47.98	46.96	18.50	17.04	9.99	35.61	69.14	67.89	69.99	69.73	66.14	571
1949	Dry	61.40	56.56	55.47	31.24	27.62	14.34	36.45	45.88	48.38	48.57	52.35	49.06	527
1950	Below Normal	34.63	30.90	21.77	8.32	8.67	37.47	61.15	67.78	66.39	68.61	68.31	64.72	539
1951	Above Normal	60.11	55.37	54.37	61.15	60.41	70.65	64.88	66.47	65.68	67.62	67.12	63.43	757
1952	Wet	58.66	53.53	52.57	62.28	62.55	70.64	71.28	66.04	64.99	67.20	66.68	62.98	759
1953	Wet	61.55	58.72	67.35	62.28	54.27	70.19	59.30	65.55	64.65	66.84	66.26	62.64	760
1954	Above Normal	57.91	52.84	51.89	61.18	60.36	70.00	71.14	73.99	70.49	74.69	72.03	65.45	782
1955	Dry	60.71	55.49	54.51	40.15	37.43	22.26	34.02	42.35	44.44	44.01	45.88	42.67	524
1956	Wet	28.45	24.06	16.87	43.39	62.56	70.55	59.51	66.14	65.31	67.28	66.76	63.10	634
1957	Above Normal	58.36	53.33	52.40	61.35	60.35	69.44	67.62	53.29	52.59	54.10	53.65	50.65	687
1958	Wet	46.10	41.91	40.99	62.28	60.38	70.51	64.94	66.42	66.95	69.04	68.62	64.80	723
1959	Below Normal	60.12	54.85	60.89	62.28	60.37	48.67	55.64	56.51	55.82	57.52	56.99	53.76	683
1960	Dry	49.25	44.74	43.82	33.34	30.19	18.05	48.92	57.57	59.59	60.33	63.54	59.71	569
1961	Dry	46.92	42.24	35.01	18.35	27.63	42.21	42.19	56.42	58.72	59.38	62.98	59.06	551
1962	Below Normal	45.55	40.86	32.91	15.72	14.19	55.87	70.38	72.06	70.33	73.00	72.44	68.61	632
1963	Wet	65.36	60.16	58.53	60.56	60.38	69.62	70.55	74.10	70.53	72.88	71.45	66.58	801
1964	Dry	61.82	56.52	55.51	38.18	62.49	61.97	46.15	50.02	50.25	51.57	52.65	49.46	637
1965	Wet	41.71	37.49	33.85	57.26	60.40	55.64	48.32	48.85	49.37	51.07	50.64	47.68	582
1966	Below Normal	43.30	39.18	38.24	61.90	60.41	70.64	62.73	64.10	63.29	65.16	64.72	61.06	695
1967	Wet	56.40	51.39	50.44	43.15	60.41	70.76	68.64	67.80	68.31	70.52	70.07	66.24	744
1968	Below Normal	61.44	64.99	67.47	62.28	62.55	70.12	51.99	58.11	57.46	59.12	58.57	55.29	729
1969	Wet	50.69	46.10	45.17	40.46	60.41	70.76	71.18	67.83	68.34	70.48	70.02	66.20	728
1970	Wet	61.34	56.11	67.47	62.28	60.41	70.22	59.30	66.07	65.30	67.24	66.71	62.99	765
1971	Wet	58.28	53.16	52.22	62.28	60.41	69.76	71.07	73.92	70.49	75.62	66.60	70.67	784
1972	Below Normal	65.46	55.35	53.85	45.36	62.46	66.18	40.42	48.02	50.02	50.60	53.33	49.81	641
1973	Above Normal	37.06	32.92	25.08	62.29	60.38	70.61	56.91	63.45	62.70	64.44	63.95	60.38	660
1974	Wet	55.72	50.77	49.83	62.28	60.41	70.61	64.50	66.11	65.42	67.27	66.76	63.09	743
1975	Wet	58.36	53.17	52.22	62.28	60.38	70.39	65.27	67.52	66.78	68.67	68.18	64.47	758
1976	Critical	59.67	54.48	53.52	62.28	62.48	69.48	61.72	48.25	47.38	48.84	48.35	45.62	662
1977	Critical	41.23	37.28	36.40	28.76	25.94	13.06	15.10	17.06	17.43	13.77	12.40	12.40	275
1978	Above Normal	5.58	3.51	3.17	22.75	54.19	70.19	68.90	72.31	70.51	74.82	74.38	70.60	591
1979	Below Normal	68.48	63.54	61.98	20.51	58.76	61.67	62.62	64.20	63.30	65.12	64.69	61.23	716
1980	Above Normal	56.53	51.65	50.71	59.33	62.48	70.26	62.12	58.04	58.56	60.54	60.07	56.73	707
1981	Dry	52.17	47.48	46.54	61.31	60.38	70.17	57.77	58.95	58.35	59.92	59.44	56.12	689
1982	Wet	51.45	46.85	45.94	62.28	60.41	70.64	70.98	66.10	65.27	67.24	66.71	62.98	737
1983	Wet	58.29	53.12	67.35	62.28	60.41	70.64	63.07	66.87	67.51	69.48	66.69	63.01	769
1984	Wet	63.89	58.72	67.35	62.28	62.55	70.64	59.22	66.01	65.09	67.21	66.69	63.01	773
1985	Dry	58.19	53.12	52.17	61.33	60.32	69.48	70.49	63.51	61.38	55.16	53.71	63.36	722
1986	Wet	58.87	54.01	53.16	34.89	36.19	70.60	54.27	54.34	54.76	55.46	56.20	53.05	637
1987	Dry	48.52	44.37	43.37	55.89	59.98	58.66	51.45	52.23	51.32	52.82	52.49	49.54	621
1988	Critical	45.11	40.94	40.01	30.99	29.70	14.79	30.02	37.49	39.34	36.44	30.64	27.89	403
1989	Dry	13.50	8.27	7.03	3.05	4.17	15.85	66.47	72.57	70.20	73.60	73.18	69.54	477
1990	Critical	67.37	62.52	60.63	4.44	4.49	5.91	30.30	37.75	39.67	36.66	30.85	28.03	409
1991	Critical	13.58	8.36	7.16	2.73	2.79	3.29	27.23	33.86	35.45	32.87	27.66	25.17	220
1992	Critical	11.89	7.47	6.46	2.53	2.76	12.19	30.12	44.28	46.47	45.23	45.39	42.05	297
1993	Above Normal	26.77	21.62	15.25	7.78	55.78	70.97	65.08	70.22	69.24	71.32	70.91	67.09	612
1994	Critical	62.33	57.08	56.09	54.78	59.29	58.12	40.11	45.68	46.73	47.70	49.32	46.12	623
1995	Wet	36.16	32.16	26.63	19.03	60.41	71.26	69.09	68.71	69.18	71.38	70.98	67.13	662
1996	Wet	62.37	57.11	67.42	62.28	62.55	70.36	55.04	60.42	61.04	62.92	62.43	58.90	743
1997	Wet	54.24	49.42	48.50	62.28	60.41	69.82	46.91	47.64	46.70	48.22	47.78	45.04	627
1998	Wet	40.57	36.69	35.80	59.96	60.41	70.66	66.52	64.90	65.49	67.72	67.27	63.50	699
1999	Wet	58.73	62.47	67.37	62.28	60.37	70.66	55.34	61.74	60.84	62.96	62.51	58.98	744
2000	Above Normal	54.28	49.48	48.52	36.73	62.50	70.81	68.68	70.51	69.49	71.85	71.45	67.55	742
2001	Dry	62.69	57.44	56.41	39.71	35.57	52.67	33.03	48.29	50.82	51.36	55.55	51.96	596
2002	Dry	36.88	32.92	23.26	8.49	45.22	15.22	51.75	53.32	52.36	54.23	54.27	51.26	479
2003	Above Normal	46.05	42.05	40.55	47.88	60.35	52.38	59.31	72.84	70.56	44.70	40.		

Shasta Lake Water Resource Investigation
Socioeconomic Appendix - Power and Energy Technical Report

Energy Use (GWh) At Pumping Plant at Teerink: CP4B_2020

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	72.96	63.62	48.15	2.14	42.96	70.83	66.47	71.54	70.47	72.77	72.31	68.33	723
1923	Below Normal	63.62	58.30	57.31	62.28	60.41	70.34	70.67	73.54	70.34	75.16	71.41	60.85	794
1924	Critical	55.51	50.56	49.62	33.52	30.08	14.94	18.92	22.47	23.00	21.43	18.13	16.40	355
1925	Dry	7.33	4.76	4.14	29.65	44.74	3.76	35.93	42.44	46.31	44.53	43.36	40.04	347
1926	Dry	24.43	18.85	13.42	7.87	52.48	32.66	44.84	63.10	63.48	65.31	65.00	61.60	513
1927	Wet	56.99	52.36	51.29	30.56	60.32	70.83	69.54	71.44	70.47	72.68	72.22	68.28	747
1928	Above Normal	63.53	58.18	57.18	51.13	62.48	68.52	60.05	57.15	56.13	57.91	57.51	54.32	704
1929	Critical	49.71	45.35	44.38	32.90	29.12	15.33	34.27	43.60	45.93	42.41	35.73	32.46	451
1930	Dry	16.19	9.74	8.34	3.31	19.88	53.68	38.48	55.48	58.73	59.03	63.70	59.61	446
1931	Critical	43.23	38.63	28.00	11.07	10.35	8.24	33.20	41.77	43.85	40.59	34.13	30.97	364
1932	Dry	15.27	9.28	7.95	8.91	49.46	26.39	29.38	43.51	45.90	43.47	40.64	37.41	358
1933	Critical	21.45	15.25	11.79	6.05	31.13	42.60	28.85	42.54	44.75	44.41	46.10	42.83	378
1934	Critical	28.63	24.14	16.89	8.68	21.92	8.15	29.43	43.14	45.18	45.58	49.22	46.02	367
1935	Below Normal	32.33	28.72	20.12	8.17	9.48	58.08	53.06	74.70	70.56	76.37	75.89	71.65	579
1936	Below Normal	73.03	50.72	47.41	3.91	4.66	70.20	66.66	72.07	70.35	73.00	72.39	68.52	673
1937	Below Normal	64.93	57.33	38.28	4.43	4.73	54.92	65.45	69.51	69.69	71.96	71.50	67.68	640
1938	Wet	63.23	58.25	57.21	61.39	60.41	70.66	71.32	66.61	65.88	67.81	67.29	63.57	774
1939	Dry	58.82	53.67	56.62	62.28	57.08	58.92	51.32	57.37	56.57	58.29	57.83	54.55	683
1940	Above Normal	49.95	45.45	44.54	18.27	17.57	70.77	71.45	73.95	70.51	75.37	75.03	71.33	684
1941	Wet	69.36	64.67	63.89	60.66	60.41	70.68	71.06	73.91	70.46	75.29	71.56	64.05	816
1942	Wet	59.32	54.17	53.23	62.28	60.41	70.65	64.65	66.24	65.49	67.53	67.01	63.25	754
1943	Wet	58.56	53.41	52.45	62.28	60.41	70.24	53.86	54.68	55.16	57.05	56.56	53.41	688
1944	Dry	48.82	44.35	43.44	33.11	43.53	67.83	67.46	67.79	66.55	68.77	68.41	64.76	685
1945	Below Normal	60.06	55.08	54.08	34.89	38.92	62.28	67.05	68.22	67.14	69.28	68.88	65.22	711
1946	Below Normal	60.51	55.55	54.52	62.28	60.41	70.00	70.55	73.35	70.01	62.61	62.13	58.64	761
1947	Dry	53.94	49.17	48.22	37.04	33.75	33.99	54.25	60.57	59.22	61.07	60.82	57.68	610
1948	Below Normal	53.11	48.85	47.83	17.63	16.26	9.70	35.61	69.12	67.87	69.97	69.71	66.11	572
1949	Dry	61.38	56.54	55.45	31.62	27.88	14.55	37.09	46.74	49.32	49.51	53.37	50.01	533
1950	Below Normal	35.37	31.58	22.28	8.45	8.84	32.34	61.33	67.97	66.58	68.80	68.50	64.90	537
1951	Above Normal	60.29	55.54	54.54	61.17	60.41	70.65	64.88	66.47	65.68	67.62	67.13	63.43	758
1952	Wet	58.66	53.53	52.57	62.28	62.55	70.64	71.28	66.04	64.99	67.20	66.68	62.98	759
1953	Wet	61.55	58.72	67.35	62.28	54.27	70.19	59.01	65.55	64.65	66.84	66.26	62.64	759
1954	Above Normal	57.91	52.84	51.89	61.19	60.36	70.00	71.14	73.99	70.49	74.62	71.85	65.44	782
1955	Dry	60.71	55.49	54.51	40.16	37.44	22.39	33.71	41.71	43.72	44.05	47.67	44.57	526
1956	Wet	31.23	27.64	19.33	43.41	62.56	70.54	59.50	66.14	65.30	67.27	66.75	63.09	643
1957	Above Normal	58.36	53.33	52.41	61.35	60.35	69.44	67.65	53.29	52.60	54.11	53.65	50.65	687
1958	Wet	46.10	41.92	40.99	62.28	60.38	70.51	64.95	66.43	66.95	69.05	68.63	64.81	723
1959	Below Normal	60.12	54.85	60.80	62.28	60.37	48.67	55.84	56.51	55.82	57.52	56.99	53.76	683
1960	Dry	49.25	44.74	43.82	33.34	30.19	18.07	48.99	57.58	59.57	60.32	63.50	59.68	569
1961	Dry	46.96	42.28	35.11	18.46	28.50	43.44	42.17	56.41	58.72	59.38	62.99	59.06	553
1962	Below Normal	45.53	40.84	32.89	15.45	14.05	34.70	64.54	71.25	70.04	72.14	71.58	67.82	601
1963	Wet	63.76	58.80	57.76	59.51	60.38	69.72	70.67	74.07	69.72	70.84	70.29	66.46	793
1964	Dry	61.70	56.41	55.40	42.62	62.50	66.68	49.22	48.82	48.49	49.92	50.27	47.30	639
1965	Wet	41.22	37.17	34.89	58.43	60.40	55.65	48.34	48.87	49.38	51.08	50.66	47.70	584
1966	Below Normal	43.31	39.20	38.26	62.28	60.41	70.64	57.81	64.00	63.19	65.06	64.62	60.96	690
1967	Wet	56.30	51.29	50.34	45.28	60.41	70.75	68.44	67.60	68.12	70.32	69.87	66.04	745
1968	Below Normal	61.24	64.80	67.46	62.28	62.55	70.12	51.99	58.11	57.46	59.12	58.57	55.29	729
1969	Wet	50.69	46.10	45.17	40.57	60.41	70.76	71.18	67.82	68.33	70.47	70.01	66.19	728
1970	Wet	61.33	56.10	67.47	62.28	60.41	70.22	59.30	66.07	65.30	67.24	66.71	62.99	765
1971	Wet	58.28	53.16	52.22	62.28	60.41	69.76	71.07	73.92	70.49	75.62	66.60	70.67	784
1972	Below Normal	65.46	55.35	53.85	45.37	62.46	66.80	39.76	48.00	50.02	50.60	53.34	49.82	641
1973	Above Normal	37.02	32.88	25.00	62.29	60.38	70.61	56.92	63.46	62.71	64.45	63.96	60.39	660
1974	Wet	55.73	50.78	49.84	62.28	60.41	70.61	64.50	66.11	65.42	67.27	66.76	63.09	743
1975	Wet	58.36	53.17	52.22	62.28	60.38	70.39	65.27	67.52	66.78	68.67	68.18	64.47	758
1976	Critical	59.67	54.48	53.52	62.28	62.48	69.48	61.73	48.26	47.40	48.85	48.36	45.63	662
1977	Critical	41.24	37.30	36.41	28.76	25.94	13.06	15.10	17.05	17.43	16.20	13.77	12.39	275
1978	Above Normal	5.57	3.51	3.17	22.73	54.02	70.19	68.90	72.02	70.51	74.82	74.38	70.60	590
1979	Below Normal	68.49	63.54	61.99	20.58	58.78	61.75	62.62	64.20	63.30	65.11	64.69	61.23	716
1980	Above Normal	56.53	51.65	50.71	59.28	62.48	70.26	62.03	58.10	58.62	60.60	60.14	56.79	707
1981	Dry	52.23	47.53	46.60	61.30	60.38	70.17	57.77	58.96	58.36	59.93	59.45	56.12	689
1982	Wet	51.46	46.86	45.95	62.28	60.41	70.64	70.98	66.10	65.27	67.24	66.71	62.98	737
1983	Wet	58.29	53.12	67.35	62.28	60.41	70.64	63.07	66.87	67.51	69.48	66.69	63.01	769
1984	Wet	63.89	58.72	67.35	62.28	62.55	70.64	59.22	66.01	65.09	67.21	66.69	63.01	773
1985	Dry	58.19	53.12	52.17	61.33	60.32	69.48	70.41	62.04	60.59	55.87	50.33	62.84	717
1986	Wet	58.38	53.56	52.72	34.54	34.67	70.60	55.44	54.34	54.76	56.46	56.19	53.05	635
1987	Dry	48.52	44.37	43.37	56.44	60.12	59.20	51.74	52.54	51.62	53.13	52.80	49.83	624
1988	Critical	45.40	41.21	40.28	31.20	29.88	14.86	30.02	37.49	39.34	36.44	30.64	27.89	405
1989	Dry	13.50	8.27	7.03	3.04	4.12	12.72	66.47	72.58	70.20	73.61	73.19	69.55	474
1990	Critical	67.39	62.53	54.72	3.98	4.14	5.91	30.77	38.40	40.37	37.30	31.38	28.52	405
1991	Critical	13.87	8.51	7.28	2.77	2.84	3.37	28.30	35.32	37.03	34.31	28.87	26.28	229
1992	Critical	12.54	7.81	6.75	2.62	2.83	4.88	34.88	43.91	46.05	45.33	46.71	43.42	298
1993	Above Normal	28.66	24.05	16.93	8.00	55.55	70.98	65.24	70.24	69.25	71.34	70.93	67.11	618
1994	Critical	62.36	57.11	56.13	54.76	59.29	58.11	40.10	45.68	46.73	47.70	49.33	46.12	623
1995	Wet	36.16	32.16	26.63	19.02	60.41	70.65	69.65	68.70	69.17	71.37	70.97	67.12	662
1996	Wet	62.36	57.10	67.42	62.28	62.55	70.36	55.04	60.42	61.04	62.92	62.43	58.90	743
1997	Wet	54.24	49.42	48.50	62.28	60.41	69.82	46.91	47.64	46.70	48.22	47.78	45.04	627
1998	Wet	40.57	36.69	35.80	59.97	60.41	70.66	66.52	64.90	65.48	67.72	67.26	63.50	699
1999	Wet	58.73	62.46	67.37	62.28	60.37	70.66	55.34	61.74	60.84	62.96	62.51	58.98	744
2000	Above Normal	54.28	49.48	48.52	36.74	62.50	70.81	68.68	70.51	69.49	71.85	71.45	67.55	742
2001	Dry	62.69	57.44	56.41	39.71	35.57	52.68	33.04	48.30	50.83	51.38	55.56	51.97	596
2002	Dry	36.89	32.93	23.27	8.50	45.27	15.22	51.76	53.32	52.35	54.22	54.26	51.25	479
2003	Above Normal	46.06	42.06	40.57	48.16	60.35	52.51	59.27	72.82	70.56	44.72			

Difference in Energy Use (GWh) At Pumping Plant at Teerink: CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1925	Dry	0	0	0	2	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	0	0	0	3	-2	0	0	0	0	0	0
1927	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1928	Above Norma	0	0	0	-1	0	0	0	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	0	3	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	-1	-1	-1	0	0	0
1932	Dry	0	0	0	6	-3	-1	0	0	0	0	-2	-2	0
1933	Critical	-2	-3	-1	-1	11	0	0	1	1	0	-2	-2	0
1934	Critical	-3	-3	-2	0	2	0	0	0	0	0	0	0	-1
1935	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Norma	0	1	2	0	0	0	0	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	2	-4	1	1	1	1	1	0
1940	Above Norma	1	1	1	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	6	0	0	0	0	0	0	-4	-6	0
1942	Wet	-5	-1	-1	0	0	0	0	0	0	0	0	0	-1
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1945	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1946	Below Norma	0	0	0	0	0	0	0	0	1	0	0	0	0
1947	Dry	0	0	0	0	0	6	1	1	1	1	1	1	1
1948	Below Norma	1	1	1	-1	-1	0	0	0	0	0	0	0	0
1949	Dry	0	0	0	0	0	0	1	1	1	1	1	1	1
1950	Below Norma	1	1	1	0	0	-5	0	0	0	0	0	0	0
1951	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	-1	-1	0	2	2	0
1956	Wet	3	4	2	0	0	0	0	0	0	0	0	0	1
1957	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1961	Dry	0	0	0	0	1	1	0	0	0	0	0	0	0
1962	Below Norma	0	0	0	0	0	-21	-6	-1	0	-1	-1	-1	-3
1963	Wet	-2	-1	-1	-1	0	0	0	0	0	-2	-1	0	-1
1964	Dry	0	0	0	4	0	5	3	-1	-2	-2	-2	-2	0
1965	Wet	0	0	1	1	0	0	0	0	0	0	0	0	0
1966	Below Norma	0	0	0	0	0	0	-5	0	0	0	0	0	0
1967	Wet	0	0	0	2	0	0	0	0	0	0	0	0	0
1968	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Norma	0	0	0	0	0	1	-1	0	0	0	0	0	0
1973	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	Below Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	-1	-1	1	-3	-1	0
1986	Wet	0	0	0	0	-2	0	1	0	0	0	0	0	0
1987	Dry	0	0	0	1	0	1	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	Dry	0	0	0	0	0	-3	0	0	0	0	0	0	0
1990	Critical	0	0	-6	0	0	0	0	1	1	1	1	0	0
1991	Critical	0	0	0	0	0	0	1	1	2	1	1	1	1
1992	Critical	1	0	0	0	0	-7	5	0	0	0	1	1	0
1993	Above Norma	2	2	2	0	0	0	0	0	0	0	0	0	1
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	0	0	0	0	0	-1	1	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	Above Norma	0	0	0	0	0	0	0	0	0	0	0	0	0
Average		0	0	0	0	0	0	0	0	0	0	0	0	0
Wet		0	0	0	0	0	0	0	0	0	0	0	0	0
Above Norma		0	0	0	0	0	0	0	0	0	0	0	0	0
Below Norma		0	0	0	0	0	-2	-1	0	0	0	0	0	0
Dry		0	0	0	1	0	1	0	0	0	0	0	0	0
Critical		0	0	-1	0	1	-1	1	0	0	0	0	0	0

Shasta Lake Water Resource Investigation
 Socioeconomic Appendix - Power and Energy Technical Report

Percent Difference in Energy Use (GWh) At Pumping Plant at Teerink: CP4B_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1923	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1924	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1925	Dry	0%	0%	0%	6%	1%	0%	0%	0%	0%	0%	0%	0%
1926	Dry	0%	0%	0%	0%	-1%	9%	-5%	0%	0%	0%	0%	0%
1927	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1928	Above Norma	0%	0%	0%	-2%	0%	0%	1%	1%	1%	1%	1%	1%
1929	Critical	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1930	Dry	1%	0%	0%	1%	20%	-1%	0%	0%	0%	0%	0%	0%
1931	Critical	0%	0%	0%	0%	0%	0%	-1%	-1%	-1%	-1%	-1%	-1%
1932	Dry	-2%	-1%	-1%	172%	-6%	-4%	1%	1%	1%	0%	-4%	-4%
1933	Critical	-9%	-15%	-8%	-16%	55%	-1%	2%	2%	2%	0%	-3%	-4%
1934	Critical	-8%	-12%	-12%	-5%	8%	-2%	0%	0%	0%	0%	0%	0%
1935	Below Norma	0%	0%	-1%	0%	0%	0%	-1%	0%	0%	0%	0%	0%
1936	Below Norma	0%	0%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1937	Below Norma	-1%	1%	5%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1938	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	0%	3%	-8%	1%	1%	1%	1%	1%
1940	Above Norma	1%	1%	1%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	11%	0%	0%	0%	0%	0%	-1%	-5%	-9%
1942	Wet	-8%	-2%	-2%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1944	Dry	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%
1945	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1946	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%
1947	Dry	0%	0%	0%	0%	1%	20%	2%	2%	2%	2%	2%	2%
1948	Below Norma	2%	2%	2%	-5%	-5%	-3%	0%	0%	0%	0%	0%	0%
1949	Dry	0%	0%	0%	1%	1%	1%	2%	2%	2%	2%	2%	2%
1950	Below Norma	2%	2%	2%	2%	2%	-14%	0%	0%	0%	0%	0%	0%
1951	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1955	Dry	0%	0%	0%	0%	0%	1%	-1%	-1%	-2%	0%	4%	4%
1956	Wet	10%	15%	15%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1958	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1960	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1961	Dry	0%	0%	0%	1%	3%	3%	0%	0%	0%	0%	0%	0%
1962	Below Norma	0%	0%	0%	-2%	-1%	-38%	-8%	-1%	0%	-1%	-1%	-1%
1963	Wet	-2%	-2%	-1%	-2%	0%	0%	0%	0%	0%	-3%	-2%	0%
1964	Dry	0%	0%	0%	12%	0%	8%	7%	-2%	-4%	-3%	-5%	-4%
1965	Wet	-1%	-1%	3%	2%	0%	0%	0%	0%	0%	0%	0%	0%
1966	Below Norma	0%	0%	0%	1%	0%	0%	-8%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	0%	5%	0%	0%	0%	0%	0%	0%	0%	0%
1968	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1969	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1972	Below Norma	0%	0%	0%	0%	0%	1%	-2%	0%	0%	0%	0%	0%
1973	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1977	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1978	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1979	Below Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1980	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1982	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	0%	-2%	-1%	1%	-6%	-1%
1986	Wet	-1%	-1%	-1%	-1%	-4%	0%	2%	0%	0%	0%	0%	0%
1987	Dry	0%	0%	0%	1%	0%	1%	1%	1%	1%	1%	1%	1%
1988	Critical	1%	1%	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%
1989	Dry	0%	0%	0%	0%	-1%	-20%	0%	0%	0%	0%	0%	0%
1990	Critical	0%	0%	-10%	-10%	-8%	0%	2%	2%	2%	2%	2%	2%
1991	Critical	2%	2%	2%	2%	2%	2%	4%	4%	4%	4%	4%	4%
1992	Critical	5%	5%	4%	4%	3%	-60%	16%	-1%	-1%	0%	3%	3%
1993	Above Norma	7%	11%	11%	3%	0%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1995	Wet	0%	0%	0%	0%	0%	-1%	1%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1998	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Norma	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2001	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2002	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2003	Above Norma	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%
Average		0%	0%	0%	2%	1%	-1%	0%	0%	0%	0%	0%	0%
Wet		0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%
Above Norma		1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Below Norma		0%	0%	1%	0%	0%	-4%	-1%	0%	0%	0%	0%	0%
Dry		0%	0%	0%	11%	1%	1%	0%	0%	0%	0%	0%	0%
Critical		-1%	-2%	-2%	-2%	5%	-5%	2%	0%	0%	0%	0%	0%