

United States Bureau of Reclamation - Mid Pacific Region, Central Valley Operations Office
Forecast of CVP Generation
Based on USBR 90 Pct Forecast -B2, Dated 11/27/2017
Losses are Estimated per WAPA Contractual Provisions
Energy Generation (All values in GWh)

Month	Trinity	JF Carr	Spring Creek	Shasta	Keswick	Folsom	Nimbus	New Melones	Federal San Luis	O'Neill	Total Losses	Total at Tracy		
												CVP	Proj Use	Net CVP
NOV	16	14	7	139	27	31	4	9	0	0	4	240	60	180
DEC	11	6	6	120	23	32	4	9	0	0	4	210	95	115
JAN	12	8	5	97	19	23	3	11	0	0	3	170	70	100
FEB	13	10	10	84	17	21	3	15	0	0	3	170	45	125
MAR	26	27	30	114	25	24	3	21	0	0	5	270	45	225
APR	27	20	4	192	34	24	3	84	11	0	7	390	35	355
MAY	45	42	38	202	40	26	3	84	34	0	9	510	65	445
JUN	49	59	51	192	41	52	6	62	52	0	10	560	115	445
JUL	46	53	49	210	45	26	3	49	57	0	9	530	155	375
AUG	42	49	44	195	42	25	3	77	12	0	8	480	135	345
SEP	34	39	38	163	37	23	3	38	3	0	7	370	100	270
OCT	9	3	10	172	36	23	3	27	0	0	5	280	115	165
Total	330	329	292	1879	386	332	43	485	169	0	74	4180	1035	3145

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Capacity Based on Estimated Gross Head (All values in MW)

Month	Trinity	JF Carr	Spring Creek	Shasta	Keswick	Folsom	Nimbus	New Melones	Federal San Luis	O'Neill	Tot. Cap. at Plant	Total Losses	Total Capacity at Tracy			
													CVP	Sch. Out	PU	Net CVP
NOV	63	156	182	549	37	115	6	383	0	0	1492	26	1465	255	105	1360
DEC	63	77	182	688	11	114	3	383	0	0	1521	26	1495	185	125	1370
JAN	63	0	182	416	26	167	2	383	0	0	1239	21	1220	360	85	1135
FEB	63	0	182	563	26	166	2	383	0	0	1386	24	1360	335	70	1290
MAR	63	77	91	568	34	171	5	192	0	0	1200	21	1180	370	65	1115
APR	64	75	0	710	48	180	5	191	180	0	1452	24	1430	260	55	1375
MAY	64	147	0	710	56	188	5	376	158	0	1704	28	1675	190	90	1585
JUN	63	147	91	707	59	186	9	369	136	0	1769	30	1740	125	175	1565
JUL	124	147	182	682	62	179	5	359	115	0	1856	32	1825	0	230	1595
AUG	122	147	182	653	59	173	5	345	102	0	1789	30	1760	0	195	1565
SEP	120	148	182	502	53	168	2	330	100	0	1604	27	1575	80	150	1425
OCT	118	150	182	363	50	108	5	323	0	0	1298	22	1275	165	175	1100

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Project Use Pumping

Project Energy Use at Tracy Load Center (All values in GWh)

Month	Tracy	Federal Banks	Contra Costa	O'Neill	Federal San Luis	San Felipe	Dos Amigos	Other Uses	Total at Tracy		
									CVP	On Peak	Off Peak
NOV	19	10	3	3	14	2	5	5	60	30	30
DEC	30	10	3	6	35	2	5	5	95	35	60
JAN	28	0	2	6	22	1	6	5	70	25	45
FEB	23	0	2	4	4	1	8	5	45	25	20
MAR	20	0	2	4	3	1	8	5	45	25	20
APR	13	0	2	1	0	1	8	10	35	20	15
MAY	13	0	2	0	0	3	17	29	65	35	30
JUN	52	0	2	0	0	4	27	30	115	65	50
JUL	65	0	2	0	0	6	37	47	155	85	75
AUG	65	0	2	6	0	6	21	38	135	80	60
SEP	62	0	2	4	0	4	12	15	100	55	45
OCT	53	10	3	6	14	4	9	16	115	60	50
Total	443	30	28	40	92	35	161	211	1035	540	500

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Project Capacity Use at Tracy Load Center (All values in MW)

Month	Tracy		Federal Banks		Contra Costa		O'Neill		Federal San Luis		San Felipe		Dos Amigos		Other On/Off
	On	Off	On	Off	On	Off	On	Off	On	Off	On	Off	On	Off	
NOV	36	36	40	0	4	4	4	4	0	44	2	2	12	12	7
DEC	51	51	40	0	4	4	8	8	0	127	2	2	12	12	7
JAN	51	51	0	0	3	3	12	12	0	74	1	1	12	12	7
FEB	36	36	0	0	3	3	8	8	0	24	1	1	12	12	8
MAR	36	36	0	0	3	3	8	8	0	24	1	1	12	12	7
APR	18	18	0	0	3	3	4	4	0	0	2	2	12	12	14
MAY	18	18	0	0	3	3	0	0	0	0	4	4	24	24	39
JUN	81	81	0	0	2	2	0	0	0	0	6	6	42	42	42
JUL	96	96	0	0	2	2	4	4	0	0	8	8	54	54	64
AUG	96	96	0	0	3	3	8	8	0	0	8	8	30	30	51
SEP	96	96	0	0	3	3	8	8	0	0	6	6	18	18	21
OCT	81	81	40	0	4	4	8	8	0	59	5	5	18	18	21