

United States Bureau of Reclamation - Mid Pacific Region, Central Valley Operations Office
Forecast of CVP Generation
Based on USBR 90 Pct Forecast -B2, Dated 3/15/2019
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
MAR	7	1	25	442	47	89	0	149	0	0	13	750	105	645
APR	31	28	13	133	25	68	0	79	34	0	7	400	40	360
MAY	46	9	5	193	33	92	3	98	53	3	9	530	60	470
JUN	71	38	31	249	45	71	8	81	30	0	11	610	125	485
JUL	63	51	46	278	53	76	9	59	32	0	12	650	155	495
AUG	44	51	46	199	41	65	8	51	20	0	9	520	135	385
SEP	42	36	31	146	31	45	6	36	0	0	7	370	115	255
OCT	14	9	20	133	27	35	5	34	0	0	5	270	125	145
NOV	13	11	7	89	9	29	4	8	0	0	3	170	75	95
DEC	10	6	6	105	21	29	4	7	0	0	3	180	145	35
JAN	7	1	5	95	19	26	4	8	0	0	3	160	125	35
FEB	6	1	10	83	17	24	3	44	0	0	3	180	130	50
Total	355	242	245	2144	367	648	54	653	169	4	85	4790	1335	3455

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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
MAR	64	74	182	568	44	121	0	190	0	0	1243	22	1220	410	110	1110
APR	65	150	182	426	35	130	0	375	171	1	1534	25	1510	310	55	1455
MAY	65	147	182	568	45	206	0	375	139	5	1732	29	1705	170	85	1620
JUN	65	147	182	568	65	209	12	376	115	0	1741	29	1710	125	190	1520
JUL	65	147	182	568	75	201	12	375	92	0	1717	29	1690	160	235	1455
AUG	63	147	182	568	57	186	11	370	69	0	1654	28	1625	200	205	1420
SEP	62	147	182	557	43	117	8	364	0	0	1481	26	1455	225	175	1280
OCT	0	150	182	544	25	111	7	359	0	0	1378	24	1355	155	150	1205
NOV	61	154	182	669	0	105	6	179	0	0	1356	24	1330	125	85	1245
DEC	61	154	182	667	10	148	3	179	0	0	1405	25	1380	115	145	1235
JAN	61	154	182	676	17	145	5	360	0	0	1601	28	1575	65	130	1445
FEB	62	77	182	696	26	149	3	358	0	0	1552	27	1525	130	155	1370

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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
MAR	47	0	2	8	25	1	9	12	105	45	60
APR	13	0	2	0	0	2	11	11	40	20	15
MAY	13	0	2	0	0	3	15	27	60	35	25
JUN	61	0	2	2	0	4	23	32	125	70	55
JUL	64	7	2	1	0	6	30	47	155	90	65
AUG	57	7	2	1	0	6	24	38	135	80	55
SEP	62	7	2	5	5	4	12	17	115	60	55
OCT	64	0	3	10	26	4	3	17	125	60	70
NOV	36	0	3	7	17	3	3	6	75	30	40
DEC	64	0	3	15	48	2	3	8	145	50	95
JAN	52	0	2	12	41	1	5	9	125	45	75
FEB	55	0	2	11	39	1	6	14	130	50	75
Total	587	22	28	72	201	38	143	240	1335	635	685

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Project Use Pumping
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	
MAR	66	66	0	0	3	3	12	12	0	95	2	2	12	12	16
APR	18	18	0	0	3	3	0	0	0	0	3	3	18	18	15
MAY	18	18	0	0	3	3	0	0	0	0	4	4	24	24	36
JUN	96	96	0	0	2	2	4	4	0	0	6	6	36	36	45
JUL	96	96	20	0	2	2	4	4	0	0	8	8	42	42	64
AUG	81	81	20	0	3	3	4	4	0	0	8	8	36	36	50
SEP	96	96	20	0	3	3	8	8	0	21	6	6	18	18	24
OCT	96	96	0	0	4	4	16	16	0	103	5	5	6	6	23
NOV	51	51	0	0	4	4	12	12	0	62	4	4	6	6	9
DEC	96	96	0	0	4	4	24	24	0	154	3	3	6	6	11
JAN	81	81	0	0	3	3	20	20	0	144	2	2	12	12	12
FEB	96	96	0	0	3	3	20	20	0	136	2	2	12	12	21