

United States Bureau of Reclamation - Mid Pacific Region, Central Valley Operations Office
Forecast of CVP Generation
Based on USBR 90 Pct Forecast -B2, Dated 2/27/2019
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
FEB	9	4	5	70	14	76	0	45	0	0	4	220	115	105
MAR	39	47	49	43	15	49	0	61	0	0	5	300	75	225
APR	37	37	21	137	27	25	0	79	29	0	7	390	35	355
MAY	44	4	0	191	33	27	3	95	47	3	7	440	55	385
JUN	65	69	62	214	45	27	3	80	57	4	11	610	60	550
JUL	54	66	62	217	47	63	7	53	31	0	10	590	125	465
AUG	41	67	62	176	41	44	5	46	12	0	9	480	130	350
SEP	32	25	21	141	30	30	4	35	0	0	6	310	115	195
OCT	11	7	18	92	21	29	4	33	0	0	4	210	130	80
NOV	13	13	7	84	9	28	4	8	0	0	3	160	145	15
DEC	12	11	6	88	19	27	4	7	0	0	3	170	165	5
JAN	10	8	5	89	19	22	3	7	0	0	3	160	125	35
Total	367	357	316	1541	318	449	37	550	175	7	71	4040	1275	2765

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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
FEB	62	153	182	414	15	115	0	379	0	0	1319	23	1295	380	125	1170
MAR	62	154	182	568	14	119	0	190	0	0	1290	23	1265	350	105	1160
APR	63	150	182	568	37	125	0	189	171	0	1485	25	1460	415	55	1405
MAY	63	147	182	568	45	199	0	187	149	4	1544	26	1520	185	75	1445
JUN	63	147	182	568	65	205	5	370	129	6	1740	29	1710	125	85	1625
JUL	62	147	182	564	66	198	10	362	110	0	1701	29	1670	160	200	1470
AUG	60	147	182	540	57	186	7	354	97	0	1631	28	1605	190	210	1395
SEP	58	147	182	521	42	120	3	347	0	0	1420	25	1395	200	180	1215
OCT	0	150	182	506	19	116	5	340	0	0	1318	23	1295	170	150	1145
NOV	57	154	182	621	0	56	5	336	0	0	1412	25	1385	150	145	1240
DEC	56	154	182	620	9	107	3	337	0	0	1468	26	1440	90	185	1255
JAN	56	154	182	625	17	156	2	337	0	0	1529	27	1500	60	105	1395

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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
FEB	48	0	2	9	38	1	4	13	115	45	70
MAR	40	0	2	6	10	1	8	9	75	35	40
APR	13	0	2	0	0	2	9	10	35	20	15
MAY	13	0	2	0	0	2	12	24	55	30	25
JUN	21	0	2	0	0	3	17	15	60	30	25
JUL	55	5	2	0	0	4	23	38	125	70	55
AUG	63	5	2	3	0	4	18	37	130	80	55
SEP	62	5	2	6	12	3	9	18	115	60	60
OCT	62	0	3	9	34	2	2	18	130	55	75
NOV	59	0	3	13	54	2	2	12	145	50	95
DEC	61	0	3	15	73	1	2	9	165	60	105
JAN	43	0	2	10	55	1	3	9	125	40	85
Total	540	14	28	71	276	26	109	211	1275	575	705

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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	
FEB	81	81	0	0	3	3	16	16	0	149	1	1	6	6	19
MAR	66	66	0	0	3	3	12	12	0	49	2	2	12	12	12
APR	18	18	0	0	3	3	0	0	0	0	2	2	18	18	14
MAY	18	18	0	0	3	3	0	0	0	0	3	3	18	18	32
JUN	36	36	0	0	2	2	0	0	0	0	4	4	24	24	21
JUL	81	81	20	0	2	2	4	4	0	0	5	5	36	36	51
AUG	96	96	20	0	3	3	8	8	0	0	6	6	30	30	49
SEP	96	96	20	0	3	3	12	12	0	42	4	4	18	18	24
OCT	96	96	0	0	4	4	16	16	0	115	3	3	6	6	24
NOV	96	96	0	0	4	4	20	20	0	182	2	2	6	6	17
DEC	96	96	0	0	4	4	20	20	44	176	2	2	6	6	12
JAN	66	66	0	0	3	3	16	16	0	175	1	1	6	6	12