

United States Bureau of Reclamation - Mid Pacific Region, Central Valley Operations Office
Forecast of CVP Generation
Based on USBR 90 Pct Forecast -B2, Dated 1/22/2019
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
JAN	11	7	5	77	16	25	4	8	0	0	3	150	150	0
FEB	9	5	5	66	14	19	3	12	0	0	2	130	85	45
MAR	11	7	10	71	15	19	3	21	10	0	3	160	20	140
APR	42	61	45	108	27	19	3	81	24	1	7	400	20	380
MAY	42	49	46	142	33	21	3	84	37	4	8	450	30	420
JUN	60	69	62	211	47	39	5	62	38	4	10	590	40	550
JUL	49	66	62	193	45	39	5	50	46	5	10	550	35	515
AUG	36	67	62	161	41	23	3	43	17	0	8	440	65	375
SEP	22	25	21	129	30	18	3	33	0	0	5	270	105	165
OCT	10	7	18	84	21	12	2	32	0	0	3	180	110	70
NOV	12	13	7	77	9	11	2	7	0	0	2	140	110	30
DEC	10	11	6	65	15	11	2	7	0	0	2	120	145	-25
Total	314	388	347	1384	313	254	36	440	171	14	63	3580	915	2665

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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
JAN	61	154	182	370	8	143	3	372	0	0	1291	22	1270	290	125	1145
FEB	61	154	182	383	0	145	0	372	0	0	1297	22	1275	300	110	1165
MAR	62	154	182	398	7	154	2	186	176	0	1322	22	1300	360	30	1270
APR	62	150	182	545	25	164	2	184	161	1	1477	25	1450	350	35	1415
MAY	61	147	182	545	45	170	4	178	145	5	1484	25	1460	175	55	1405
JUN	60	147	182	532	69	168	7	343	131	5	1645	28	1615	115	65	1550
JUL	59	147	182	508	64	158	7	330	113	8	1576	27	1550	145	50	1500
AUG	56	147	182	486	57	148	5	319	97	0	1497	25	1470	175	95	1375
SEP	53	147	182	468	42	96	2	310	0	0	1301	23	1280	180	140	1140
OCT	0	150	182	450	19	94	2	303	0	0	1200	21	1180	150	125	1055
NOV	51	154	182	549	0	46	2	299	0	0	1284	22	1260	130	125	1135
DEC	51	154	182	553	7	92	1	299	0	0	1339	23	1315	80	125	1190

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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
JAN	54	0	2	13	65	1	4	11	150	50	100
FEB	36	0	2	6	25	1	5	9	85	35	50
MAR	12	0	2	0	0	1	4	2	20	10	10
APR	6	0	2	0	0	1	4	5	20	10	10
MAY	7	0	2	0	0	2	5	13	30	15	15
JUN	18	0	2	0	0	2	6	10	40	20	15
JUL	13	0	2	0	0	2	8	11	35	20	15
AUG	36	0	2	0	0	2	7	18	65	40	30
SEP	59	0	2	6	15	2	4	16	105	50	55
OCT	55	0	3	7	23	2	3	15	110	50	60
NOV	48	0	3	10	35	2	3	9	110	40	70
DEC	57	0	3	13	58	2	3	8	145	45	95
Total	400	0	28	56	220	20	58	129	915	385	525

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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	
JAN	81	81	0	0	3	3	20	20	0	204	1	1	6	6	15
FEB	66	66	0	0	3	3	12	12	0	99	1	1	12	12	14
MAR	18	18	0	0	3	3	0	0	0	0	1	1	6	6	3
APR	18	18	0	0	3	3	0	0	0	0	2	2	6	6	7
MAY	18	18	0	0	3	3	0	0	0	0	2	2	12	12	18
JUN	36	36	0	0	2	2	0	0	0	0	2	2	12	12	14
JUL	18	18	0	0	2	2	0	0	0	0	3	3	12	12	15
AUG	51	51	0	0	3	3	0	0	0	0	3	3	12	12	25
SEP	96	96	0	0	3	3	12	12	0	57	3	3	6	6	22
OCT	81	81	0	0	4	4	12	12	0	84	3	3	6	6	20
NOV	81	81	0	0	4	4	16	16	0	123	3	3	6	6	13
DEC	81	81	0	0	4	4	20	20	0	180	2	2	6	6	11