

United States Bureau of Reclamation - Mid Pacific Region, Central Valley Operations Office
Forecast of CVP Generation
Based on USBR 90 Pct Forecast -B2, Dated 8/23/2019
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
AUG	48	52	46	250	49	62	7	75	36	0	11	610	125	485
SEP	45	36	31	186	37	44	5	52	0	0	8	430	105	325
OCT	17	12	23	170	34	42	5	37	0	0	6	330	135	195
NOV	17	13	10	136	27	38	4	11	0	0	5	250	140	110
DEC	11	6	6	107	21	30	4	10	0	0	3	190	165	25
JAN	8	1	5	96	19	26	4	12	0	0	3	170	105	65
FEB	7	1	10	67	14	24	3	16	0	0	3	140	50	90
MAR	21	18	25	64	15	23	3	64	0	0	4	230	65	165
APR	25	17	5	100	18	25	3	85	37	1	5	310	35	275
MAY	76	6	5	185	32	27	3	97	52	3	8	480	60	420
JUN	70	67	62	182	39	27	3	80	32	0	10	550	110	440
JUL	63	50	46	251	49	73	9	94	32	0	12	660	150	510
Total	409	280	273	1794	353	441	55	632	189	4	77	4350	1245	3105

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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
AUG	67	148	182	568	69	128	5	383	127	0	1676	28	1650	230	175	1475
SEP	66	74	182	568	35	122	4	383	0	0	1433	25	1410	290	145	1265
OCT	65	75	182	693	31	117	4	380	0	0	1545	27	1520	170	155	1365
NOV	65	77	182	544	25	164	0	378	0	0	1435	25	1410	195	135	1275
DEC	64	154	182	678	19	154	3	379	0	0	1634	28	1605	65	170	1435
JAN	65	0	182	687	17	150	5	379	0	0	1485	26	1460	215	110	1350
FEB	65	154	182	709	15	154	3	379	0	0	1660	29	1630	20	85	1545
MAR	132	154	91	710	14	166	5	189	0	0	1460	26	1435	190	90	1345
APR	134	150	91	568	17	182	5	188	168	1	1502	25	1475	320	55	1420
MAY	134	147	182	568	29	197	5	187	136	5	1590	27	1565	185	85	1480
JUN	133	147	182	426	56	205	5	366	109	0	1630	27	1605	280	170	1435
JUL	131	147	182	426	69	197	12	352	91	0	1607	27	1580	165	235	1345

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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
AUG	60	0	2	1	0	5	23	35	125	75	55
SEP	61	0	2	5	9	4	6	16	105	50	55
OCT	64	0	3	10	34	3	5	19	135	60	75
NOV	57	0	3	12	49	2	5	12	140	50	90
DEC	62	0	3	15	68	2	5	9	165	60	105
JAN	40	0	2	9	39	1	6	8	105	40	70
FEB	27	0	2	4	3	1	8	6	50	25	25
MAR	35	0	2	5	4	1	9	7	65	35	30
APR	11	0	2	0	0	2	11	11	35	20	15
MAY	13	0	2	0	0	3	15	27	60	35	30
JUN	53	0	2	0	0	4	22	29	110	65	45
JUL	62	7	2	1	0	5	29	46	150	90	65
Total	547	7	28	61	206	33	145	224	1245	605	660

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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	
AUG	81	81	0	0	3	3	4	4	0	0	6	6	36	36	47
SEP	96	96	0	0	3	3	8	8	0	45	5	5	12	12	22
OCT	96	96	0	0	4	4	16	16	0	114	4	4	12	12	25
NOV	81	81	0	0	4	4	20	20	0	158	3	3	12	12	16
DEC	96	96	0	0	4	4	20	20	22	176	3	3	12	12	12
JAN	66	66	0	0	3	3	16	16	0	127	2	2	12	12	11
FEB	51	51	0	0	3	3	8	8	0	25	2	2	12	12	8
MAR	51	51	0	0	3	3	8	8	0	24	2	2	18	18	10
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	37
JUN	81	81	0	0	2	2	4	4	0	0	6	6	36	36	40
JUL	96	96	20	0	2	2	4	4	0	0	7	7	42	42	61