

United States Bureau of Reclamation - Mid Pacific Region, Central Valley Operations Office
Forecast of CVP Generation
Based on USBR 50 Pct Forecast -B2, Dated 4/24/2009
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
APR	20	17	10	146	29	64	8	51	4	0	6	340	45	295
MAY	65	14	15	172	34	40	5	62	14	0	7	410	75	335
JUN	29	23	21	205	41	74	9	51	19	0	8	460	80	380
JUL	34	43	41	224	49	72	9	49	9	0	9	520	130	390
AUG	30	39	36	185	42	42	5	47	1	0	8	420	120	300
SEP	29	40	36	120	31	27	3	34	0	0	6	320	110	210
OCT	24	35	45	75	23	24	3	15	0	0	4	240	125	115
NOV	21	33	30	47	15	35	5	5	0	0	3	190	120	70
DEC	6	3	5	68	15	31	4	10	0	0	3	140	150	-10
JAN	7	5	16	63	15	32	4	5	0	0	3	140	120	20
FEB	8	6	22	54	14	62	8	4	0	0	3	170	80	90
MAR	1	-8	5	79	15	57	7	10	0	0	3	160	95	65
Total	275	251	282	1436	324	562	70	342	47	1	64	3510	1250	2260

**United States Bureau of Reclamation - Mid Pacific Region, Central Valley Operations Office
Forecast of CVP Generation**

Based on USBR 50 Pct Forecast -B2, Dated 4/24/2009

Losses are Estimated per WAPA Contractual Provisions

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
APR	0	149	91	267	40	191	11	152	102	0	1003	17	985	540	75	910
MAY	116	147	91	402	46	202	7	306	87	0	1405	24	1380	280	115	1265
JUN	116	147	182	655	59	205	12	310	65	0	1753	30	1725	0	125	1600
JUL	114	147	182	626	69	192	12	307	34	0	1683	29	1655	0	205	1450
AUG	110	74	182	474	59	181	7	297	0	0	1384	24	1360	10	195	1165
SEP	106	74	182	450	29	118	5	288	0	0	1252	22	1230	210	165	1065
OCT	101	75	182	441	21	116	5	284	0	0	1225	21	1205	240	150	1055
NOV	97	77	182	452	14	114	7	286	0	0	1230	21	1210	245	130	1080
DEC	97	77	182	469	21	113	6	289	0	0	1254	22	1230	195	165	1065
JAN	99	77	182	615	21	113	6	293	0	0	1407	25	1380	130	105	1275
FEB	104	77	182	659	22	115	13	301	0	0	1471	26	1445	130	100	1345
MAR	109	77	182	710	21	118	10	312	0	0	1540	27	1515	135	105	1410

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Forecast of CVP Generation
Based on USBR 50 Pct Forecast -B2, Dated 4/24/2009
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
APR	23	0	2	1	0	2	4	13	45	25	20
MAY	29	0	2	0	0	3	8	34	75	40	35
JUN	42	0	2	0	0	3	13	21	80	45	35
JUL	64	2	2	2	0	4	17	40	130	75	55
AUG	64	2	2	4	0	4	12	34	120	70	55
SEP	62	2	2	6	13	3	4	17	110	55	55
OCT	64	0	3	10	25	3	3	17	125	55	65
NOV	56	0	3	12	36	2	3	10	120	45	75
DEC	64	0	3	15	57	2	3	9	150	55	100
JAN	48	0	2	11	48	1	3	9	120	40	85
FEB	36	0	2	6	25	1	4	9	80	35	50
MAR	42	0	2	6	27	1	4	11	95	40	55
Total	592	6	28	73	231	30	77	223	1250	580	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	
APR	36	36	0	0	3	3	4	4	0	0	3	3	12	12	18
MAY	51	51	0	0	3	3	0	0	0	0	4	4	12	12	46
JUN	66	66	0	0	2	2	0	0	0	0	5	5	24	24	30
JUL	96	96	20	0	2	2	4	4	0	0	6	6	24	24	53
AUG	96	96	20	0	3	3	8	8	0	0	6	6	18	18	46
SEP	96	96	20	0	3	3	12	12	0	42	5	5	6	6	23
OCT	96	96	0	0	4	4	16	16	0	84	4	4	6	6	23
NOV	81	81	0	0	4	4	20	20	0	123	3	3	6	6	14
DEC	96	96	0	0	4	4	24	24	21	171	2	2	6	6	11
JAN	66	66	0	0	3	3	16	16	0	156	1	1	6	6	12
FEB	66	66	0	0	3	3	12	12	0	87	1	1	6	6	14
MAR	66	66	0	0	3	3	12	12	0	97	2	2	6	6	14

United States Bureau of Reclamation - Mid Pacific Region, Central Valley Operations Office
Forecast of CVP Generation with Uncertainty Bounds Bracketing a Randomly Distributed Population
Based on USBR 50 Pct Forecast -B2, Dated 4/24/2009
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Uncertainty Bounded Energy Generation (All values in GWh)

Month	Trinity	JF Carr	Spring Creek	Shasta	Keswick	Folsom	Nimbus	New Melones	Federal San Luis	O'Neill	At Plant Total	Total Losses	Total Energy at Tracy			
													Expected Proj Use	Exp Est Net CVP	Low Est Net CVP	High Est Net CVP
APR	20	17	10	146	29	64	8	51	4	0	349	6	45	300	230	340
MAY	65	14	15	172	34	40	5	62	14	0	421	7	75	340	260	390
JUN	29	23	21	205	41	74	9	51	19	0	472	8	80	380	340	410
JUL	34	43	41	224	49	72	9	49	9	0	530	9	130	390	340	420
AUG	30	39	36	185	42	42	5	47	1	0	427	8	120	300	220	350
SEP	29	40	36	120	31	27	3	34	0	0	320	6	110	200	140	240
OCT	24	35	45	75	23	24	3	15	0	0	244	4	125	120	70	140
NOV	21	33	30	47	15	35	5	5	0	0	191	3	120	70	0	110
DEC	6	3	5	68	15	31	4	10	0	0	142	3	150	-10	0	20
JAN	7	5	16	63	15	32	4	5	0	0	147	3	120	20	0	60
FEB	8	6	22	54	14	62	8	4	0	0	178	3	80	100	30	140
MAR	1	-8	5	79	15	57	7	10	0	0	166	3	95	70	0	110
Total	274	250	282	1438	323	560	70	343	47	0	3587	63	1250	2280	1630	2730

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Forecast of CVP Generation
Based on USBR 50 Pct Forecast -B2, Dated 4/24/2009
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Expected 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	At Plant Total	Total Losses	Total Capacity at Tracy			
													Expected CVP	Schd. Out	Expected Proj Use	Expected Net CVP
APR	0	149	91	267	40	191	11	152	102	0	1003	17	985	540	75	910
MAY	116	147	91	402	46	202	7	306	87	0	1405	24	1380	280	115	1265
JUN	116	147	182	655	59	205	12	310	65	0	1753	30	1725	0	125	1600
JUL	114	147	182	626	69	192	12	307	34	0	1683	29	1655	0	205	1450
AUG	110	74	182	474	59	181	7	297	0	0	1384	24	1360	10	195	1165
SEP	106	74	182	450	29	118	5	288	0	0	1252	22	1230	210	165	1065
OCT	101	75	182	441	21	116	5	284	0	0	1225	21	1205	240	150	1055
NOV	97	77	182	452	14	114	7	286	0	0	1230	21	1210	245	130	1080
DEC	97	77	182	469	21	113	6	289	0	0	1254	22	1230	195	165	1065
JAN	99	77	182	615	21	113	6	293	0	0	1407	25	1380	130	105	1275
FEB	104	77	182	659	22	115	13	301	0	0	1471	26	1445	130	100	1345
MAR	109	77	182	710	21	118	10	312	0	0	1540	27	1515	135	105	1410

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Project Use Pumping

Expected 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		
									Exp CVP PU	Expected On Peak	Expected Off Peak
APR	23	0	2	1	0	2	4	13	45	25	20
MAY	29	0	2	0	0	3	8	34	75	40	35
JUN	42	0	2	0	0	3	13	21	80	45	35
JUL	64	2	2	2	0	4	17	40	130	75	55
AUG	64	2	2	4	0	4	12	34	120	70	55
SEP	62	2	2	6	13	3	4	17	110	55	55
OCT	64	0	3	10	25	3	3	17	125	55	65
NOV	56	0	3	12	36	2	3	10	120	45	75
DEC	64	0	3	15	57	2	3	9	150	55	100
JAN	48	0	2	11	48	1	3	9	120	40	85
FEB	36	0	2	6	25	1	4	9	80	35	50
MAR	42	0	2	6	27	1	4	11	95	40	55
Total	592	6	28	73	231	30	77	223	1250	580	685

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Project Use Pumping

Expected 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	
APR	36	36	0	0	3	3	4	4	0	0	3	3	12	12	18
MAY	51	51	0	0	3	3	0	0	0	0	4	4	12	12	46
JUN	66	66	0	0	2	2	0	0	0	0	5	5	24	24	30
JUL	96	96	20	0	2	2	4	4	0	0	6	6	24	24	53
AUG	96	96	20	0	3	3	8	8	0	0	6	6	18	18	46
SEP	96	96	20	0	3	3	12	12	0	42	5	5	6	6	23
OCT	96	96	0	0	4	4	16	16	0	84	4	4	6	6	23
NOV	81	81	0	0	4	4	20	20	0	123	3	3	6	6	14
DEC	96	96	0	0	4	4	24	24	21	171	2	2	6	6	11
JAN	66	66	0	0	3	3	16	16	0	156	1	1	6	6	12
FEB	66	66	0	0	3	3	12	12	0	87	1	1	6	6	14
MAR	66	66	0	0	3	3	12	12	0	97	2	2	6	6	14