

Twelve-Month Forecast of CVP Generation and Base Resource
December 2008 Through November 2009
Values at Load Center (Tracy Substation)

Exceedence Level: **90% (Dry)**

Month	CVP Generation		Project Use		First Preference		Reg & Res Estimated Ancillary Services Capacity (MW)	Purchases and Exchanges						Base Resource			Add'l CVP Capacity w/minimal Energy
	Maximum CVP Capacity (MW)	CVP Energy Generation (GWh)	Peak Project Use Demand (MW)	Project Use (PU) Load Energy (GWh)	First Pref. (FP) Peak Demand (MW)	First Pref. (FP) Load Energy (GWh)		PU Forward Purchase Off- Peak Energy (GWh)	PU & FP Capacity Purchase Reqmts. (MW)	PU & FP Energy Purchase Reqmts. (GWh)	CVP Corp Bank Energy for PU and FP (GWh)	Bank Return Energy to CVP Corp (GWh)	Ancillary Services Purchase Reqmt. (MW)	Project Capacity Available for BR (MW)	Energy Available for Base Resource (GWh)	Capacity Factor (%)	
Column	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
Dec-2008	940	150.0	105.0	110.0	25.2	15.2	193.0	12.4	0.0	0.0	0.0	0.0	0.0	616.8	37.2	8.1	
Jan-2009	920	110.0	125.0	135.0	28.7	16.7	193.0	14.8	0.0	0.0	-29.9	0.0	0.0	573.3	0.0	0.0	
Feb-2009	1,230	140.0	30.0	20.0	25.2	13.2	193.0	13.0	0.0	0.0	0.0	0.0	0.0	981.8	119.8	18.2	
Mar-2009	1,240	220.0	50.0	20.0	23.6	13.3	193.0	14.0	0.0	0.0	0.0	0.0	0.0	973.4	200.7	27.7	
Apr-2009	1,190	350.0	40.0	25.0	21.6	12.5	193.0	0.0	0.0	0.0	0.0	7.9	0.0	916.5	304.7	46.2	
May-2009	1,375	430.0	55.0	40.0	22.1	13.3	193.0	0.0	0.0	0.0	0.0	7.7	0.0	1,085.5	369.0	45.7	
Jun-2009	1,330	510.0	50.0	30.0	26.7	13.3	193.0	0.0	0.0	0.0	0.0	6.3	0.0	1,045.2	460.4	61.2	
Jul-2009	1,300	470.0	100.0	75.0	29.8	15.3	193.0	0.0	0.0	0.0	0.0	5.5	0.0	964.0	374.2	52.2	
Aug-2009	1,070	390.0	125.0	90.0	25.7	13.9	193.0	0.0	0.0	0.0	0.0	0.0	0.0	726.3	286.1	52.9	
Sep-2009	925	290.0	145.0	110.0	25.2	13.1	193.0	0.0	0.0	0.0	0.0	0.0	0.0	561.8	166.9	41.3	
Oct-2009	885	290.0	125.0	100.0	22.2	12.8	193.0	16.4	0.0	0.0	0.0	0.0	0.0	544.8	193.6	47.8	
Nov-2009	1,105	190.0	105.0	95.0	23.2	13.6	193.0	16.0	0.0	0.0	0.0	0.0	0.0	783.8	97.4	17.3	
Total		3,540.0		850.0		166.2		86.6		0.0	-29.9	27.4		2,610.0			

Exceedence Level: **50% (Average)**

Month	CVP Generation		Project Use		First Preference		Reg & Res Estimated Ancillary Services Capacity (MW)	Purchases and Exchanges						Base Resource			Add'l CVP Capacity w/minimal Energy
	Maximum CVP Capacity (MW)	CVP Energy Generation (GWh)	Peak Project Use Demand (MW)	Project Use (PU) Load Energy (GWh)	First Pref. (FP) Peak Demand (MW)	First Pref. (FP) Load Energy (GWh)		PU Forward Purchase Off- Peak Energy (GWh)	PU & FP Capacity Purchase Reqmts. (MW)	PU & FP Energy Purchase Reqmts. (GWh)	CVP Corp Bank Energy for PU and FP (GWh)	Bank Return Energy to CVP Corp (GWh)	Ancillary Services Purchase Reqmt. (MW)	Project Capacity Available for BR (MW)	Energy Available for Base Resource (GWh)	Capacity Factor (%)	
Column	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
Dec-2008	950.0	130.0	185.0	150.0	25.2	15.2	193.0	12.4	0.0	0.0	-25.8	0.0	0.0	546.8	0.0	0.0	0
Jan-2009	955.0	110.0	125.0	150.0	28.7	16.7	193.0	14.8	0.0	0.0	-44.9	0.0	0.0	608.3	0.0	0.0	0
Feb-2009	1,195.0	120.0	85.0	70.0	25.2	13.2	193.0	13.0	0.0	0.0	0.0	0.0	0.0	891.8	49.8	8.3	0
Mar-2009	1,240.0	160.0	85.0	65.0	23.6	13.3	193.0	14.0	0.0	0.0	0.0	0.0	0.0	938.4	95.7	13.7	0
Apr-2009	1,345.0	400.0	70.0	45.0	21.6	12.5	193.0	0.0	0.0	0.0	0.0	18.6	0.0	1,015.8	324.0	44.3	0
May-2009	1,580.0	540.0	100.0	65.0	22.1	13.3	193.0	0.0	0.0	0.0	0.0	18.3	0.0	1,219.2	443.5	48.9	0
Jun-2009	1,565.0	600.0	115.0	75.0	26.7	13.3	193.0	0.0	0.0	0.0	0.0	14.8	0.0	1,194.7	496.9	57.8	0
Jul-2009	1,545.0	600.0	230.0	150.0	29.8	15.3	193.0	0.0	0.0	0.0	0.0	13.0	0.0	1,061.0	421.7	53.4	0
Aug-2009	1,395.0	460.0	210.0	140.0	25.7	13.9	193.0	0.0	0.0	0.0	0.0	0.0	0.0	966.3	306.1	42.6	0
Sep-2009	1,250.0	330.0	170.0	115.0	25.2	13.1	193.0	0.0	0.0	0.0	0.0	0.0	0.0	861.8	201.9	32.5	0
Oct-2009	1,205.0	260.0	155.0	120.0	22.2	12.8	193.0	16.4	0.0	0.0	0.0	0.0	0.0	834.8	143.6	23.1	0
Nov-2009	1,110.0	190.0	130.0	120.0	23.2	13.6	193.0	16.0	0.0	0.0	0.0	0.0	0.0	763.8	72.4	13.2	0
Total		3,900.0		1,265.0		166.2		86.6		0.0	-70.7	64.6		2,555.5			

Exceedence Level: **10% (Wet) - (Not Available)**

Month	CVP Generation		Project Use		First Preference		Reg & Res Estimated Ancillary Services Capacity (MW)	Purchases and Exchanges						Base Resource			Add'l CVP Capacity w/minimal Energy
	Maximum CVP Capacity (MW)	CVP Energy Generation (GWh)	Peak Project Use Demand (MW)	Project Use (PU) Load Energy (GWh)	First Pref. (FP) Peak Demand (MW)	First Pref. (FP) Load Energy (GWh)		PU Forward Purchase Off- Peak Energy (GWh)	PU & FP Capacity Purchase Reqmts. (MW)	PU & FP Energy Purchase Reqmts. (GWh)	CVP Corp Bank Energy for PU and FP (GWh)	Return Energy to CVP Corp (GWh)	Ancillary Services Purchase Reqmt. (MW)	Project Capacity Available for BR (MW)	Energy Available for Base Resource (GWh)	Capacity Factor (%)	
Column	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
Dec-2008													0.0	0.0	0.0	0.0	
Jan-2009													0.0	0.0	0.0	0.0	
Feb-2009													0.0	0.0	0.0	0.0	
Mar-2009													0.0	0.0	0.0	0.0	
Apr-2009													0.0	0.0	0.0	0.0	
May-2009													0.0	0.0	0.0	0.0	
Jun-2009													0.0	0.0	0.0	0.0	
Jul-2009													0.0	0.0	0.0	0.0	
Aug-2009													0.0	0.0	0.0	0.0	
Sep-2009													0.0	0.0	0.0	0.0	
Oct-2009													0.0	0.0	0.0	0.0	
Nov-2009													0.0	0.0	0.0	0.0	
Total		0.0		0.0		0.0		0.0		0.0	0.0	0.0		0.0			

Notes:

- For the AS (Column G), it was assumed that Western's total operating reserve obligation to be equal to the sum of spinning reserve of 137 MW and regulation of 60 MW.
- An average of 1.81 % losses would be assessed on both capacity and energy between generation and load.
- Column Q denotes capacity at CVP plants with minimal energy, which is potentially useful for reserves but has been deemed unschedulable for Base Resource purposes.
- CVP generation and Project Use data for 50% and 90% Exceedence Levels are based USBR November 2008 50% and November 2008 90% Exceedence monthly water forecasts, respectively, and revised if necessary.
- Project Use purchase column H may includes total 50 MW combined purchases of LLH and 7X8 products in Q4 2008 and Q1 2009.