

Twelve-Month Forecast of CVP Generation and Base Resource
January 2009 Through December 2009

Values at Load Center (Tracy Substation)

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

Month	CVP Generation		Project Use		First Preference		Reg & Res	Purchases and Exchanges						Base Resource			Add'l CVP Capacity w/minimal Energy
	CVP Maximum 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)	Estimated Ancillary Services Capacity (MW)	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
Jan-2009	945	130.0	105.0	110.0	28.7	16.7	193.0	14.8	0.0	0.0	0.0	0.0	0.0	618.3	18.1	3.9	
Feb-2009	1,140	120.0	60.0	45.0	25.2	13.2	193.0	13.0	0.0	0.0	0.0	0.0	0.0	861.8	74.8	12.9	
Mar-2009	1,150	140.0	55.0	30.0	23.6	13.3	193.0	14.0	0.0	0.0	0.0	0.0	0.0	878.4	110.7	16.9	
Apr-2009	1,090	280.0	70.0	40.0	21.6	12.5	193.0	0.0	0.0	0.0	0.0	0.0	0.0	805.4	227.5	39.2	
May-2009	1,370	400.0	75.0	50.0	22.1	13.3	193.0	0.0	0.0	0.0	0.0	0.0	0.0	1,079.9	336.7	41.9	
Jun-2009	1,320	480.0	45.0	30.0	26.7	13.3	193.0	0.0	0.0	0.0	0.0	0.0	0.0	1,055.3	436.7	57.5	
Jul-2009	1,310	460.0	75.0	40.0	29.8	15.3	193.0	0.0	0.0	0.0	0.0	0.0	0.0	1,012.2	404.7	53.7	
Aug-2009	1,110	380.0	115.0	70.0	25.7	13.9	193.0	0.0	0.0	0.0	0.0	0.0	0.0	776.3	296.1	51.3	
Sep-2009	950	290.0	165.0	115.0	25.2	13.1	193.0	0.0	0.0	0.0	0.0	0.0	0.0	566.8	161.9	39.7	
Oct-2009	910	200.0	125.0	110.0	22.2	12.8	193.0	16.4	0.0	0.0	0.0	0.0	0.0	569.8	93.6	22.1	
Nov-2009	890	110.0	105.0	100.0	23.2	13.6	193.0	16.0	0.0	0.0	0.0	0.0	0.0	568.8	12.4	3.0	
Dec-2009	1,025	150.0	80.0	65.0	25.2	15.2	193.0	16.4	0.0	0.0	0.0	0.0	0.0	726.8	86.2	15.9	
Total		3,140.0		805.0		166.2		90.6		0.0	0.0	0.0			2,259.4		

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

Month	CVP Generation		Project Use		First Preference		Reg & Res	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)	Estimated Ancillary Services Capacity (MW)	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
Jan-2009	980.0	120.0	110.0	105.0	28.7	16.7	193.0	14.8	0.0	0.0	0.0	0.0	0.0	648.3	13.1	2.7	0
Feb-2009	1,205.0	120.0	85.0	55.0	25.2	13.2	193.0	13.0	0.0	0.0	0.0	0.0	0.0	901.8	64.8	10.7	0
Mar-2009	1,255.0	180.0	80.0	65.0	23.6	13.3	193.0	14.0	0.0	0.0	0.0	0.0	0.0	958.4	115.7	16.2	0
Apr-2009	1,320.0	390.0	65.0	35.0	21.6	12.5	193.0	0.0	0.0	0.0	0.0	0.0	0.0	1,040.4	342.5	45.7	0
May-2009	1,560.0	510.0	80.0	55.0	22.1	13.3	193.0	0.0	0.0	0.0	0.0	0.0	0.0	1,264.9	441.7	46.9	0
Jun-2009	1,545.0	540.0	90.0	55.0	26.7	13.3	193.0	0.0	0.0	0.0	0.0	0.0	0.0	1,235.3	471.7	53.0	0
Jul-2009	1,555.0	580.0	200.0	125.0	29.8	15.3	193.0	0.0	0.0	0.0	0.0	0.0	0.0	1,132.2	439.7	52.2	0
Aug-2009	1,410.0	450.0	190.0	125.0	25.7	13.9	193.0	0.0	0.0	0.0	0.0	0.0	0.0	1,001.3	311.1	41.8	0
Sep-2009	1,275.0	330.0	165.0	110.0	25.2	13.1	193.0	0.0	0.0	0.0	0.0	0.0	0.0	891.8	206.9	32.2	0
Oct-2009	1,250.0	280.0	150.0	125.0	22.2	12.8	193.0	16.4	0.0	0.0	0.0	0.0	0.0	884.8	158.6	24.1	0
Nov-2009	1,245.0	200.0	145.0	130.0	23.2	13.6	193.0	16.0	0.0	0.0	0.0	0.0	0.0	883.8	72.4	11.4	0
Dec-2009	1,035.0	130.0	60.0	50.0	25.2	15.2	193.0	16.4	0.0	0.0	0.0	0.0	0.0	756.8	81.2	14.4	0
Total		3,830.0		1,035.0		166.2		90.6		0.0	0.0	0.0			2,719.4		

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

Month	CVP Generation		Project Use		First Preference		Reg & Res	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)	Estimated Ancillary Services Capacity (MW)	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
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	
Dec-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 on USBR December 2008 50% and December 2008 90% Exceedence monthly water forecasts, respectively.
- Project Use purchase column H includes total 50 MW combined purchases of LLH and 7X8 products in Q1 2009.