

Twelve-Month Forecast of CVP Generation and Base Resource
August 2009 Through July 2010
Values at Load Center (Tracy Substation)

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

Month	CVP Generation		Project Use		First Preference		Reg & Res	Purchases and Exchanges						Base Resource		
	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
Aug-2009	1,335	430.0	175.0	125.0	26.2	13.5	193.0	0.0	0.0	0.0	0.0	0.0	0.0	940.8	291.5	41.6
Sep-2009	1,200	260.0	140.0	100.0	25.6	13.1	193.0	0.0	0.0	0.0	0.0	0.0	0.0	841.4	146.9	24.2
Oct-2009	1,120	190.0	145.0	110.0	20.7	12.3	193.0	15.6	0.0	0.0	0.0	0.0	0.0	761.3	83.3	14.7
Nov-2009	1,100	140.0	105.0	95.0	23.0	13.0	193.0	16.8	0.0	0.0	0.0	0.0	0.0	779.0	48.8	8.7
Dec-2009	1,105	130.0	100.0	90.0	27.7	15.7	193.0	16.4	0.0	0.0	0.0	0.0	0.0	784.3	40.7	7.0
Jan-2010	1,275	140.0	80.0	85.0	27.5	16.7	193.0	6.0	0.0	0.0	0.0	0.0	0.0	974.5	44.3	6.1
Feb-2010	1,305	130.0	75.0	45.0	26.9	14.6	193.0	5.7	0.0	0.0	0.0	0.0	0.0	1,010.1	76.1	11.2
Mar-2010	1,205	150.0	100.0	90.0	24.3	13.3	193.0	6.0	0.0	0.0	0.0	0.0	0.0	887.7	52.8	8.0
Apr-2010	1,365	330.0	45.0	25.0	22.6	12.4	193.0	0.0	0.0	0.0	0.0	0.0	0.0	1,104.4	292.6	36.8
May-2010	1,490	400.0	60.0	45.0	24.1	12.6	193.0	0.0	0.0	0.0	0.0	0.0	0.0	1,212.9	342.4	37.9
Jun-2010	1,565	490.0	75.0	40.0	22.1	12.1	193.0	0.0	0.0	0.0	0.0	0.0	0.0	1,274.9	437.9	47.7
Jul-2010	1,625	580.0	160.0	110.0	25.6	13.3	193.0	0.0	0.0	0.0	0.0	0.0	0.0	1,246.4	456.7	49.3
Total		3,370.0		960.0		162.7		66.5		0.0	0.0	0.0			2,313.9	

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

Month	CVP Generation		Project Use		First Preference		Reg & Res	Purchases and Exchanges						Base Resource		
	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
Aug-2009	1,335.0	430.0	180.0	140.0	26.2	13.5	193.0	0.0	0.0	0.0	0.0	0.0	0.0	935.8	276.5	39.7
Sep-2009	1,200.0	270.0	145.0	115.0	25.6	13.1	193.0	0.0	0.0	0.0	0.0	0.0	0.0	836.4	141.9	23.6
Oct-2009	1,120.0	190.0	140.0	110.0	20.7	12.3	193.0	15.6	0.0	0.0	0.0	0.0	0.0	766.3	83.3	14.6
Nov-2009	1,110.0	120.0	105.0	105.0	23.0	13.0	193.0	16.8	0.0	0.0	0.0	0.0	0.0	789.0	18.8	3.3
Dec-2009	1,140.0	120.0	160.0	150.0	27.7	15.7	193.0	16.4	0.0	0.0	-32.3	0.0	0.0	759.3	0.0	0.0
Jan-2010	1,355.0	130.0	80.0	95.0	27.5	16.7	193.0	6.0	0.0	0.0	0.0	0.0	0.0	1,054.5	24.3	3.1
Feb-2010	1,420.0	170.0	75.0	50.0	26.9	14.6	193.0	5.7	0.0	0.0	0.0	0.0	0.0	1,125.1	111.1	14.7
Mar-2010	1,335.0	180.0	105.0	115.0	24.3	13.3	193.0	6.0	0.0	0.0	0.0	0.0	0.0	1,012.7	57.8	7.7
Apr-2010	1,550.0	370.0	70.0	40.0	22.6	12.4	193.0	0.0	0.0	0.0	0.0	8.8	0.0	1,243.3	308.8	34.5
May-2010	1,725.0	510.0	90.0	60.0	24.1	12.6	193.0	0.0	0.0	0.0	0.0	8.6	0.0	1,396.3	428.8	41.3
Jun-2010	1,875.0	560.0	165.0	105.0	22.1	12.1	193.0	0.0	0.0	0.0	0.0	8.4	0.0	1,474.7	434.5	40.9
Jul-2010	1,625.0	580.0	160.0	115.0	25.6	13.3	193.0	0.0	0.0	0.0	0.0	6.2	0.0	1,231.6	445.6	48.6
Total		3,630.0		1,200.0		162.7		66.5		0.0	-32.3	32.0			2,331.2	

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

Month	CVP Generation		Project Use		First Preference		Reg & Res	Purchases and Exchanges						Base Resource		
	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
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
Jan-2010													0.0	0.0	0.0	0.0
Feb-2010													0.0	0.0	0.0	0.0
Mar-2010													0.0	0.0	0.0	0.0
Apr-2010													0.0	0.0	0.0	0.0
May-2010													0.0	0.0	0.0	0.0
Jun-2010													0.0	0.0	0.0	0.0
Jul-2010													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.
- CVP generation and Project Use data for 50% and 90% Exceedence Levels are based on USBR July 2009 50% and July 2009 90% Exceedence monthly water forecasts, respectively.