

Twelve-Month Forecast of CVP Generation and Base Resource
June 2009 Through May 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			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
Jun-2009	1,580	530.0	100.0	65.0	21.9	12.0	193.0	0.0	0.0	0.0	0.0	0.0	0.0	1,265.1	453.0	49.7	0
Jul-2009	1,625	550.0	180.0	120.0	25.4	13.1	193.0	0.0	0.0	0.0	0.0	0.0	0.0	1,226.6	416.9	45.7	0
Aug-2009	1,310	420.0	170.0	120.0	26.2	13.5	193.0	0.0	0.0	0.0	0.0	0.0	0.0	920.8	286.5	41.8	0
Sep-2009	1,170	290.0	140.0	105.0	25.6	13.1	193.0	0.0	0.0	0.0	0.0	0.0	0.0	811.4	171.9	29.4	0
Oct-2009	1,145	220.0	145.0	115.0	20.7	12.3	193.0	15.6	0.0	0.0	0.0	0.0	0.0	786.3	108.3	18.5	0
Nov-2009	1,130	170.0	105.0	95.0	23.0	13.0	193.0	16.8	0.0	0.0	0.0	0.0	0.0	809.0	78.8	13.5	0
Dec-2009	1,135	140.0	100.0	90.0	27.7	15.7	193.0	16.4	0.0	0.0	0.0	0.0	0.0	814.3	50.7	8.4	0
Jan-2010	1,250	140.0	80.0	80.0	27.5	16.7	193.0	12.1	0.0	0.0	0.0	0.0	0.0	949.5	55.4	7.8	0
Feb-2010	1,280	130.0	75.0	45.0	26.9	14.6	193.0	11.3	0.0	0.0	0.0	0.0	0.0	985.1	81.7	12.3	0
Mar-2010	1,320	150.0	105.0	100.0	24.3	13.3	193.0	12.1	0.0	0.0	0.0	0.0	0.0	997.7	48.8	6.6	0
Apr-2010	1,470	330.0	65.0	40.0	22.6	12.4	193.0	0.0	0.0	0.0	0.0	0.0	0.0	1,189.4	277.6	32.4	0
May-2010	1,500	400.0	80.0	50.0	24.1	12.6	193.0	0.0	0.0	0.0	0.0	0.0	0.0	1,202.9	337.4	37.7	0
Total		3,470.0		1,025.0		162.4		84.3		0.0	0.0	0.0			2,366.8		

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
Jun-2009	1,590.0	460.0	120.0	80.0	21.9	12.0	193.0	0.0	0.0	0.0	0.0	0.0	0.0	1,255.1	368.0	40.7	0
Jul-2009	1,660.0	520.0	185.0	125.0	25.4	13.1	193.0	0.0	0.0	0.0	0.0	0.0	0.0	1,256.6	381.9	40.8	0
Aug-2009	1,350.0	420.0	175.0	120.0	26.2	13.5	193.0	0.0	0.0	0.0	0.0	0.0	0.0	955.8	286.5	40.3	0
Sep-2009	1,220.0	320.0	145.0	110.0	25.6	13.1	193.0	0.0	0.0	0.0	0.0	0.0	0.0	856.4	196.9	31.9	0
Oct-2009	1,190.0	240.0	145.0	125.0	20.7	12.3	193.0	15.6	0.0	0.0	0.0	0.0	0.0	831.3	118.3	19.1	0
Nov-2009	1,195.0	180.0	130.0	125.0	23.0	13.0	193.0	16.8	0.0	0.0	0.0	0.0	0.0	849.0	58.8	9.6	0
Dec-2009	1,220.0	140.0	160.0	155.0	27.7	15.7	193.0	16.4	0.0	0.0	-17.3	0.0	0.0	839.3	0.0	0.0	0
Jan-2010	1,370.0	140.0	105.0	130.0	27.5	16.7	193.0	12.1	0.0	0.0	0.0	0.0	0.0	1,044.5	5.4	0.7	0
Feb-2010	1,430.0	160.0	100.0	80.0	26.9	14.6	193.0	11.3	0.0	0.0	0.0	0.0	0.0	1,110.1	76.7	10.3	0
Mar-2010	1,505.0	180.0	105.0	95.0	24.3	13.3	193.0	12.1	0.0	0.0	0.0	0.0	0.0	1,182.7	83.8	9.5	0
Apr-2010	1,700.0	380.0	75.0	45.0	22.6	12.4	193.0	0.0	0.0	0.0	0.0	4.9	0.0	1,397.5	317.7	31.6	0
May-2010	1,620.0	420.0	95.0	60.0	24.1	12.6	193.0	0.0	0.0	0.0	0.0	4.9	0.0	1,295.8	342.6	35.5	0
Total		3,560.0		1,250.0		162.4		84.3		0.0	-17.3	9.8			2,236.4		

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
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	
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	
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.
- 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 May 2009 50% and May 2009 90% Exceedence monthly water forecasts, respectively.