Western Area Power Administration
Sierra Nevada Region

Starting Forecast Month: **February 2008**

Twelve-Month Forecast of CVP Generation and Base Resource

February 2008 Through January 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 Capability (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)	Ancilliary 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
Feb-2008	1,075	140.0	70.0	40.0	25.1	15.1	193.0	13.0	0.0	0.0	0.0	0.0	0.0	786.9	97.9	17.9	
Mar-2008	1,110	230.0	65.0	30.0	28.6	16.7	193.0	13.8	0.0	0.0	0.0	0.0	0.0	823.4	197.1	32.2	
Apr-2008	1,130	350.0	40.0	25.0	25.1	13.1	193.0	0.0	0.0	0.0	0.0	0.0	0.0	871.9	311.9	49.7	
May-2008	1,365	420.0	60.0	40.0	23.6	13.3	193.0	0.0	0.0	0.0	0.0	0.0	0.0	1,088.4	366.7	45.3	
Jun-2008	1,630	540.0	70.0	35.0	21.6	12.4	193.0	0.0	0.0	0.0	0.0	0.0	0.0	1,345.4	492.6	50.8	
Jul-2008	1,525	520.0	155.0	100.0	22.1	13.2	193.0	0.0	0.0	0.0	0.0	0.0	0.0	1,154.9	406.8	47.3	
Aug-2008	1,330	410.0	190.0	120.0	26.6	13.2	193.0	0.0	0.0	0.0	0.0	0.0	0.0	920.4	276.8	40.4	
Sep-2008	1,115	340.0	165.0	115.0	29.7	15.3	193.0	0.0	0.0	0.0	0.0	0.0	0.0	727.3	209.7	40.0	
Oct-2008	1,015	250.0	150.0	125.0	25.7	13.9	193.0	16.0	0.0	0.0	0.0	0.0	0.0	646.3	127.1	26.4	
Nov-2008	965	140.0	125.0	110.0	25.2	13.0	193.0	15.6	0.0	0.0	0.0	0.0	0.0	621.8	32.6	7.3	
Dec-2008	985	110.0	125.0	145.0	22.1	12.8	193.0	16.0	0.0	0.0	-34.8	0.0	0.0	644.9	0.0	0.0	
Jan-2009	1,150	140.0	105.0	115.0	23.1	13.6	193.0	16.8	0.0	0.0	0.0	0.0	0.0	828.9	28.2	4.6	
Total		3,790.0		905.0		165.7		91.2		0.0	-34.8	0.0			2,547.3		

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)	Ancilliary 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
Feb-2008	985.0	130.0	85.0	65.0	25.1	15.1	193.0	13.0	0.0	0.0	0.0	0.0	0.0	681.9	62.9	13.3	0
Mar-2008	1,185.0	190.0	90.0	60.0	28.6	16.7	193.0	13.8	0.0	0.0	0.0	0.0	0.0	873.4	127.1	19.6	0
Apr-2008	1,210.0	290.0	75.0	50.0	25.1	13.1	193.0	0.0	0.0	0.0	0.0	0.0	0.0	916.9	226.9	34.4	0
May-2008	1,490.0	500.0	105.0	75.0	23.6	13.3	193.0	0.0	0.0	0.0	0.0	0.0	0.0	1,168.4	411.7	47.4	0
Jun-2008	1,820.0	590.0	135.0	85.0	21.6	12.4	193.0	0.0	0.0	0.0	0.0	0.0	0.0	1,470.4	492.6	46.5	0
Jul-2008	1,760.0	600.0	200.0	135.0	22.1	13.2	193.0	0.0	0.0	0.0	0.0	0.0	0.0	1,344.9	451.8	45.1	0
Aug-2008	1,685.0	510.0	180.0	120.0	26.6	13.2	193.0	0.0	0.0	0.0	0.0	0.0	0.0	1,285.4	376.8	39.4	0
Sep-2008	1,370.0	370.0	170.0	120.0	29.7	15.3	193.0	0.0	0.0	0.0	0.0	0.0	0.0	977.3	234.7	33.4	0
Oct-2008	1,275.0	250.0	180.0	145.0	25.7	13.9	193.0	16.0	0.0	0.0	0.0	0.0	0.0	876.3	107.1	16.4	0
Nov-2008	1,220.0	210.0	195.0	170.0	25.2	13.0	193.0	15.6	0.0	0.0	0.0	0.0	0.0	806.8	42.6	7.3	0
Dec-2008	1,270.0	200.0	195.0	185.0	22.1	12.8	193.0	16.0	0.0	0.0	0.0	0.0	0.0	859.9	18.2	2.8	0
Jan-2009	1,170.0	130.0	105.0	110.0	23.1	13.6	193.0	16.8	0.0	0.0	0.0	0.0	0.0	848.9	23.2	3.7	0
Total		4,120.0		1,415.0		165.7		91.2		0.0	0.0	0.0			2,575.5		

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)	Ancilliary 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
Feb-2008													0.0	0.0	0.0	0.0	
Mar-2008													0.0	0.0	0.0	0.0	
Apr-2008													0.0	0.0	0.0	0.0	
May-2008													0.0	0.0	0.0	0.0	
Jun-2008													0.0	0.0	0.0	0.0	
Jul-2008													0.0	0.0	0.0	0.0	
Aug-2008													0.0	0.0	0.0	0.0	
Sep-2008													0.0	0.0	0.0	0.0	
Oct-2008													0.0	0.0	0.0	0.0	
Nov-2008													0.0	0.0	0.0	0.0	
Dec-2008													0.0	0.0	0.0	0.0	
Jan-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:
1. 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.
2. An average of 1.81 % losses would be assessed on both capacity and energy between generation and load.
3. 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.
4. CVP generation and Project Use data for 50% and 90% Exceedence Levels are based USBR January 2008 50% and January 2008 90% Exceedence monthly water forecasts, respectively, and revised if necessary.
5. Project Use purchase column H includes 25 MW LLH firm purchase in Q1 2008, an additional 25 MW during HE2300 - HE0600 everyday during Q1 2008, and 50 MW LLH purchase in Q4 2008.