

Twelve-Month Forecast of CVP Generation and Base Resource
December 2022 Through November 2023
Values at Load Center (Tracy Substation)

Exceedance 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)	Additional PU & FP Energy Purchase Reqmts. (GWh)	(This column for future use) (MW)	(This column for future use) (GWh)	Ancillary Services Purchase Reqmt. (MW)	Project Capacity Available for BR (MW)	Energy Available for Base Resource (GWh)
Column	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
Dec-2022	800	110	90	75	28.9	21.5	182.0	0.0	0.0	0.0			0.0	499.1	13.5	3.6
Jan-2023	1010	110	165	130	29.3	21.8	182.0	0.0	0.0	41.8			0.0	633.7	0.0	0.0
Feb-2023	1040	110	25	20	29.5	19.8	182.0	0.0	0.0	0.0			0.0	803.5	70.2	13.0
Mar-2023	965	140	35	20	26.2	19.5	182.0	0.0	0.0	0.0			0.0	721.8	100.5	18.7
Apr-2023	1110	270	35	15	24.3	17.5	182.0	0.0	0.0	0.0			0.0	868.7	237.5	38.0
May-2023	1280	320	40	20	22.5	16.7	182.0	0.0	0.0	0.0			0.0	1,035.5	283.3	36.8
Jun-2023	1355	340	40	15	24.1	17.3	182.0	0.0	0.0	0.0			0.0	1,108.9	307.7	38.5
Jul-2023	1270	300	45	30	25.8	19.2	182.0	0.0	0.0	0.0			0.0	1,017.2	250.8	33.1
Aug-2023	1215	230	40	25	25.0	18.6	182.0	0.0	0.0	0.0			0.0	968.0	186.4	25.9
Sep-2023	1105	140	60	35	23.4	16.9	182.0	0.0	0.0	0.0			0.0	839.6	88.1	14.6
Oct-2023	790	130	80	60	22.7	16.9	182.0	0.0	0.0	0.0			0.0	505.3	53.1	14.1
Nov-2023	730	170	75	65	26.8	19.3	182.0	0.0	0.0	0.0			0.0	446.2	85.7	26.6
Total	12,670.0	2,370.0	730.0	510.0	308.4	225.0		0.0		41.8					1,676.8	

Exceedance 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)	Additional PU & FP Energy Purchase Reqmts. (GWh)	(This column for future use) (MW)	(This column for future use) (GWh)	Ancillary Services Purchase Reqmt. (MW)	Project Capacity Available for BR (MW)	Energy Available for Base Resource (GWh)
Column	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
Dec-2022	810	110.0	115.0	120.0	28.9	21.5	182.0	0.0	0.0	31.5			0.0	484.1	0.0	0.0
Jan-2023	1060	110.0	105.0	115.0	29.3	21.8	182.0	0.0	0.0	26.8			0.0	743.7	0.0	0.0
Feb-2023	1140	140.0	110.0	105.0	29.5	19.8	182.0	0.0	0.0	0.0			0.0	818.5	15.2	2.8
Mar-2023	1070	150.0	130.0	150.0	26.2	19.5	182.0	0.0	0.0	19.5			0.0	731.8	0.0	0.0
Apr-2023	1275	300.0	50.0	35.0	24.3	17.5	182.0	0.0	0.0	0.0			0.0	1,018.7	247.5	33.7
May-2023	1505	460.0	75.0	50.0	22.5	16.7	182.0	0.0	0.0	0.0			0.0	1,225.5	393.3	43.1
Jun-2023	1635	420.0	115.0	75.0	24.1	17.3	182.0	0.0	0.0	0.0			0.0	1,313.9	327.7	34.6
Jul-2023	1600	460.0	200.0	135.0	25.8	19.2	182.0	0.0	0.0	0.0			0.0	1,192.2	305.8	34.5
Aug-2023	1565	390.0	185.0	125.0	25.0	18.6	182.0	0.0	0.0	0.0			0.0	1,173.0	246.4	28.2
Sep-2023	1435	260.0	145.0	100.0	23.4	16.9	182.0	0.0	0.0	0.0			0.0	1,084.6	143.1	18.3
Oct-2023	1060	180.0	55.0	35.0	22.7	16.9	182.0	0.0	0.0	0.0			0.0	800.3	128.1	21.5
Nov-2023	930	180.0	50.0	40.0	26.8	19.3	182.0	0.0	0.0	0.0			0.0	671.2	120.7	24.9
Total	15,085.0	3,160.0	1,335.0	1,085.0	308.4	225.0		0.0		77.8					1,927.8	

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 134 MW and regulation of 48 MW on average monthly long term basis.
- All rivers are at their base winter flows. Folsom cold-water bypass ended on 11/23. Base Resource likely to increase slightly the week of 11/30 due to reduced project use.
- Please use 90% study for all your analysis.