

**Twelve-Month Forecast of CVP Generation and Base Resource**  
January 2023 Through December 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
Jan-2023	1030	110	150	130	29.6	22.0	182.0	0.0	0.0	42.0			0.0	668.4	0.0	0.0
Feb-2023	950	100	125	125	29.8	20.0	182.0	0.0	0.0	45.0			0.0	613.2	0.0	0.0
Mar-2023	950	120	85	80	26.4	19.7	182.0	0.0	0.0	0.0			0.0	656.6	20.3	4.2
Apr-2023	1105	250	30	15	24.5	17.7	182.0	0.0	0.0	0.0			0.0	868.5	217.3	34.8
May-2023	1140	270	40	20	22.7	16.9	182.0	0.0	0.0	0.0			0.0	895.3	233.1	35.0
Jun-2023	1190	280	40	20	24.3	17.5	182.0	0.0	0.0	0.0			0.0	943.7	242.5	35.7
Jul-2023	1110	300	45	30	26.0	19.4	182.0	0.0	0.0	0.0			0.0	857.0	250.6	39.3
Aug-2023	1025	200	60	30	25.3	18.8	182.0	0.0	0.0	0.0			0.0	757.7	151.2	26.8
Sep-2023	585	70	70	40	23.7	17.0	182.0	0.0	0.0	0.0			0.0	309.3	13.0	5.8
Oct-2023	475	70	80	60	22.9	17.1	182.0	0.0	0.0	7.1			0.0	190.1	0.0	0.0
Nov-2023	325	40	75	55	27.1	19.5	182.0	0.0	0.0	34.5			0.0	40.9	0.0	0.0
Dec-2023	535	60	70	55	29.2	21.7	182.0	0.0	0.0	16.7			0.0	253.8	0.0	0.0
Total	10,420.0	1,870.0	870.0	660.0	311.5	227.2		0.0		145.3				1,128.1		

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
Jan-2023	1055	110.0	140.0	130.0	29.6	22.0	182.0	0.0	0.0	42.0			0.0	703.4	0.0	0.0
Feb-2023	1005	130.0	130.0	130.0	29.8	20.0	182.0	0.0	0.0	20.0			0.0	663.2	0.0	0.0
Mar-2023	1035	160.0	130.0	145.0	26.4	19.7	182.0	0.0	0.0	4.7			0.0	696.6	0.0	0.0
Apr-2023	1210	250.0	50.0	30.0	24.5	17.7	182.0	0.0	0.0	0.0			0.0	953.5	202.3	29.5
May-2023	1290	350.0	65.0	45.0	22.7	16.9	182.0	0.0	0.0	0.0			0.0	1,020.3	288.1	38.0
Jun-2023	1400	370.0	105.0	65.0	24.3	17.5	182.0	0.0	0.0	0.0			0.0	1,088.7	287.5	36.7
Jul-2023	1350	390.0	140.0	95.0	26.0	19.4	182.0	0.0	0.0	0.0			0.0	1,002.0	275.6	37.0
Aug-2023	1335	310.0	175.0	115.0	25.3	18.8	182.0	0.0	0.0	0.0			0.0	952.7	176.2	24.9
Sep-2023	1115	210.0	145.0	100.0	23.7	17.0	182.0	0.0	0.0	0.0			0.0	764.3	93.0	16.9
Oct-2023	1025	150.0	145.0	125.0	22.9	17.1	182.0	0.0	0.0	0.0			0.0	675.1	7.9	1.6
Nov-2023	770	120.0	75.0	60.0	27.1	19.5	182.0	0.0	0.0	0.0			0.0	485.9	40.5	11.6
Dec-2023	885	170.0	70.0	60.0	29.2	21.7	182.0	0.0	0.0	0.0			0.0	603.8	88.3	19.7
Total	13,475.0	2,720.0	1,370.0	1,100.0	311.5	227.2		0.0		66.7				1,459.5		

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.
- With the ongoing storm and more storms expected, Delta pumping will increase to three units on 12/29 and then likely climb to max pumping by the end of the week. Increased pumping will drive Base Resource below minimum allocation levels if Base Resource will come with either reduced pumping, or the start of flood control releases as storage increases. All rivers currently remain at their base winter flows.
- Please use 90% study for all your analysis.