

Twelve-Month Forecast of CVP Generation and Base Resource
May 2023 Through April 2024

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
May-2023	1660	590	200	135	23.1	17.2	182.0	0.0	0.0	0.0			0.0	1,254.9	437.8	46.9
Jun-2023	1670	490	230	155	24.7	17.8	182.0	0.0	0.0	0.0			0.0	1,233.3	317.2	35.7
Jul-2023	1805	500	300	195	26.5	19.7	182.0	0.0	0.0	0.0			0.0	1,296.5	285.3	29.6
Aug-2023	1720	430	265	170	25.7	19.1	182.0	0.0	0.0	0.0			0.0	1,247.3	240.9	26.0
Sep-2023	1455	290	200	115	24.1	17.3	182.0	0.0	0.0	0.0			0.0	1,048.9	157.7	20.9
Oct-2023	1310	240	105	75	23.3	17.3	182.0	0.0	0.0	0.0			0.0	999.7	147.7	19.9
Nov-2023	1200	180	105	85	27.5	19.8	182.0	0.0	0.0	0.0			0.0	885.5	75.2	11.8
Dec-2023	1250	180	110	110	29.7	22.1	182.0	0.0	0.0	0.0			0.0	928.3	47.9	6.9
Jan-2024	1240	180	130	135	30.2	22.5	182.0	0.0	0.0	0.0			0.0	897.8	22.5	3.4
Feb-2024	1565	180	70	35	30.4	21.1	182.0	0.0	0.0	0.0			0.0	1,282.6	123.9	13.9
Mar-2024	1715	290	185	170	26.8	20.0	182.0	0.0	0.0	0.0			0.0	1,321.2	100.0	10.2
Apr-2024	1270	420	125	85	25.0	18.0	182.0	0.0	0.0	0.0			0.0	938.0	317.0	46.9
Total	17,860.0	3,970.0	2,025.0	1,465.0	316.9	231.9		0.0		0.0					2,273.1	

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
May-2023	1710	640.0	235.0	165.0	23.1	17.2	182.0	0.0	0.0	0.0			0.0	1,269.9	457.8	48.5
Jun-2023	1720	620.0	235.0	160.0	24.7	17.8	182.0	0.0	0.0	0.0			0.0	1,278.3	442.2	48.0
Jul-2023	1840	540.0	220.0	155.0	26.5	19.7	182.0	0.0	0.0	0.0			0.0	1,411.5	365.3	34.8
Aug-2023	1740	500.0	215.0	145.0	25.7	19.1	182.0	0.0	0.0	0.0			0.0	1,317.3	335.9	34.3
Sep-2023	1445	330.0	150.0	95.0	24.1	17.3	182.0	0.0	0.0	0.0			0.0	1,088.9	217.7	27.8
Oct-2023	1300	230.0	185.0	125.0	23.3	17.3	182.0	0.0	0.0	0.0			0.0	909.7	87.7	13.0
Nov-2023	1195	180.0	180.0	135.0	27.5	19.8	182.0	0.0	0.0	0.0			0.0	805.5	25.2	4.3
Dec-2023	1255	180.0	210.0	160.0	29.7	22.1	182.0	0.0	0.0	2.1			0.0	833.3	0.0	0.0
Jan-2024	1265	270.0	150.0	145.0	30.2	22.5	182.0	0.0	0.0	0.0			0.0	902.8	102.5	15.3
Feb-2024	1460	390.0	160.0	125.0	30.4	21.1	182.0	0.0	0.0	0.0			0.0	1,087.6	243.9	32.2
Mar-2024	1710	250.0	160.0	135.0	26.8	20.0	182.0	0.0	0.0	0.0			0.0	1,341.2	95.0	9.5
Apr-2024	1125	370.0	120.0	95.0	25.0	18.0	182.0	0.0	0.0	0.0			0.0	798.0	257.0	44.7
Total	17,765.0	4,500.0	2,220.0	1,640.0	316.9	231.9		0.0		2.1					2,630.2	

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.
- Sacramento River release doubled on 4/24, with additional smaller incremental increases expected in the next two weeks. Current Base Resource is likely to remain steady or increase somewhat. Trinity River ROD has completed major peak flow. American River flood release flows will be increasing some as lake elevation now supports higher flow through the power plant. Stanislaus River at base flow and irrigation demands are picking up. Delta pumping with three Tracy pumps to meet.
- Please use 90% study for all your analysis.