

**Twelve-Month Forecast of CVP Generation and Base Resource**

July 2023 Through June 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
Jul-2023	1785	570	245	175	24.3	17.5	182.0	0.0	0.0	0.0			0.0	1,333.7	377.5	38.0
Aug-2023	1760	490	210	145	26.0	19.4	182.0	0.0	0.0	0.0			0.0	1,342.0	325.6	32.6
Sep-2023	1475	320	150	95	25.3	18.8	182.0	0.0	0.0	0.0			0.0	1,117.7	206.2	25.6
Oct-2023	1325	250	175	115	23.7	17.0	182.0	0.0	0.0	0.0			0.0	944.3	118.0	16.8
Nov-2023	1215	190	155	125	22.9	17.1	182.0	0.0	0.0	0.0			0.0	855.1	47.9	7.8
Dec-2023	1265	200	175	155	27.1	19.5	182.0	0.0	0.0	0.0			0.0	880.9	25.5	3.9
Jan-2024	1250	180	130	140	29.2	21.7	182.0	0.0	0.0	0.0			0.0	908.8	18.3	2.7
Feb-2024	1575	160	70	35	29.7	22.1	182.0	0.0	0.0	0.0			0.0	1,293.3	102.9	11.4
Mar-2024	1665	160	65	30	29.9	20.8	182.0	0.0	0.0	0.0			0.0	1,388.1	109.2	10.6
Apr-2024	1665	340	75	40	26.4	19.6	182.0	0.0	0.0	0.0			0.0	1,381.6	280.4	28.2
May-2024	1650	430	105	65	24.6	17.7	182.0	0.0	0.0	0.0			0.0	1,338.4	347.3	34.9
Jun-2024	1445	340	175	120	22.9	17.0	182.0	0.0	0.0	0.0			0.0	1,065.1	203.0	26.5
Total	18,075.0	3,630.0	1,730.0	1,240.0	311.9	228.3		0.0		0.0					2,161.7	

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
Jul-2023	1775	580.0	245.0	175.0	24.3	17.5	182.0	0.0	0.0	0.0			0.0	1,323.7	387.5	39.3
Aug-2023	1755	510.0	210.0	145.0	26.0	19.4	182.0	0.0	0.0	0.0			0.0	1,337.0	345.6	34.7
Sep-2023	1475	370.0	150.0	95.0	25.3	18.8	182.0	0.0	0.0	0.0			0.0	1,117.7	256.2	31.8
Oct-2023	1325	230.0	200.0	150.0	23.7	17.0	182.0	0.0	0.0	0.0			0.0	919.3	63.0	9.2
Nov-2023	1220	210.0	200.0	160.0	22.9	17.1	182.0	0.0	0.0	0.0			0.0	815.1	32.9	5.6
Dec-2023	1280	250.0	180.0	155.0	27.1	19.5	182.0	0.0	0.0	0.0			0.0	890.9	75.5	11.4
Jan-2024	1275	270.0	170.0	160.0	29.2	21.7	182.0	0.0	0.0	0.0			0.0	893.8	88.3	13.3
Feb-2024	1470	430.0	160.0	140.0	29.7	22.1	182.0	0.0	0.0	0.0			0.0	1,098.3	267.9	35.0
Mar-2024	1555	360.0	110.0	100.0	29.9	20.8	182.0	0.0	0.0	0.0			0.0	1,233.1	239.2	26.1
Apr-2024	1725	400.0	75.0	40.0	26.4	19.6	182.0	0.0	0.0	0.0			0.0	1,441.6	340.4	32.8
May-2024	1710	530.0	105.0	65.0	24.6	17.7	182.0	0.0	0.0	0.0			0.0	1,398.4	447.3	43.0
Jun-2024	1575	420.0	180.0	120.0	22.9	17.0	182.0	0.0	0.0	0.0			0.0	1,190.1	283.0	33.0
Total	18,140.0	4,560.0	1,985.0	1,505.0	311.9	228.3		0.0		0.0					2,826.7	

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.
- American River releases will decrease as inflows drop. Current Base Resource is likely steady. Trinity River ROD is complete. Sacramento and Stanislaus Rivers are at base flows. Sacramento River flows may increase if irrigation increases. Delta pumping expected to be near maximum pending San Luis fill status and irrigation demands below O'Neill.
- Please use 90% study for all your analysis.