

Twelve-Month Forecast of CVP Generation and Base Resource
March 2023 Through February 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
Mar-2023	1155	160	160	160	26.7	19.9	182.0	0.0	0.0	19.9			0.0	786.3	0.0	0.0
Apr-2023	1375	290	200	160	24.8	17.8	182.0	0.0	0.0	0.0			0.0	968.2	112.2	16.1
May-2023	1570	420	205	140	22.9	17.1	182.0	0.0	0.0	0.0			0.0	1,160.1	262.9	30.5
Jun-2023	1555	470	130	80	24.5	17.7	182.0	0.0	0.0	0.0			0.0	1,218.5	372.3	42.4
Jul-2023	1625	430	240	160	26.3	19.5	182.0	0.0	0.0	0.0			0.0	1,176.7	250.5	28.6
Aug-2023	1510	360	200	140	25.5	19.0	182.0	0.0	0.0	0.0			0.0	1,102.5	201.0	24.5
Sep-2023	1155	230	170	110	23.9	17.2	182.0	0.0	0.0	0.0			0.0	779.1	102.8	18.3
Oct-2023	1130	190	105	95	23.2	17.2	182.0	0.0	0.0	0.0			0.0	819.8	77.8	12.7
Nov-2023	1205	130	55	30	27.3	19.7	182.0	0.0	0.0	0.0			0.0	940.7	80.3	11.8
Dec-2023	1060	130	95	85	29.5	21.9	182.0	0.0	0.0	0.0			0.0	753.5	23.1	4.1
Jan-2024	1055	130	130	130	30.0	22.3	182.0	0.0	0.0	22.3			0.0	713.0	0.0	0.0
Feb-2024	1155	120	150	145	30.2	20.3	182.0	0.0	0.0	45.3			0.0	792.8	0.0	0.0
Total	15,550.0	3,060.0	1,840.0	1,435.0	314.7	229.6		0.0		87.4				1,482.9		

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
Mar-2023	1185	270.0	160.0	160.0	26.7	19.9	182.0	0.0	0.0	0.0			0.0	816.3	90.1	14.9
Apr-2023	1405	390.0	205.0	160.0	24.8	17.8	182.0	0.0	0.0	0.0			0.0	993.2	212.2	29.7
May-2023	1585	450.0	240.0	165.0	22.9	17.1	182.0	0.0	0.0	0.0			0.0	1,140.1	267.9	31.6
Jun-2023	1605	510.0	200.0	135.0	24.5	17.7	182.0	0.0	0.0	0.0			0.0	1,198.5	357.3	41.4
Jul-2023	1730	510.0	270.0	170.0	26.3	19.5	182.0	0.0	0.0	0.0			0.0	1,251.7	320.5	34.4
Aug-2023	1635	400.0	250.0	150.0	25.5	19.0	182.0	0.0	0.0	0.0			0.0	1,177.5	231.0	26.4
Sep-2023	1285	270.0	195.0	110.0	23.9	17.2	182.0	0.0	0.0	0.0			0.0	884.1	142.8	22.4
Oct-2023	1255	230.0	145.0	125.0	23.2	17.2	182.0	0.0	0.0	0.0			0.0	904.8	87.8	13.0
Nov-2023	1230	170.0	140.0	125.0	27.3	19.7	182.0	0.0	0.0	0.0			0.0	880.7	25.3	4.0
Dec-2023	1195	170.0	135.0	135.0	29.5	21.9	182.0	0.0	0.0	0.0			0.0	848.5	13.1	2.1
Jan-2024	1210	180.0	145.0	120.0	30.0	22.3	182.0	0.0	0.0	0.0			0.0	853.0	37.7	5.9
Feb-2024	1305	170.0	130.0	125.0	30.2	20.3	182.0	0.0	0.0	0.0			0.0	962.8	24.7	3.7
Total	16,625.0	3,720.0	2,215.0	1,680.0	314.7	229.6		0.0		0.0				1,810.4		

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.
- Delta pumping near maximum and is likely to remain high for the coming week. Some Trinity and Carr power plant operations will be needed to support commissioning of Trinity U2 new turbine runner. Trinity River Winter Variability Flows (deduct Stanislaus River Winter Pulse Flow begins 2/23. Other rivers at or near base flows. Little or no Base Resource is likely for the coming week due to expected high pumping.
- Please use 90% study for all your analysis.