

Twelve-Month Forecast of CVP Generation and Base Resource
April 2023 Through March 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
Apr-2023	1415	300	185	145	24.9	17.9	182.0	0.0	0.0	0.0			0.0	1,023.1	137.1	18.6
May-2023	1610	470	230	160	23.1	17.2	182.0	0.0	0.0	0.0			0.0	1,174.9	292.8	33.5
Jun-2023	1610	450	230	150	24.6	17.7	182.0	0.0	0.0	0.0			0.0	1,173.4	282.3	33.4
Jul-2023	1725	510	295	185	26.4	19.6	182.0	0.0	0.0	0.0			0.0	1,221.6	305.4	33.6
Aug-2023	1595	440	240	150	25.6	19.1	182.0	0.0	0.0	0.0			0.0	1,147.4	270.9	31.7
Sep-2023	1325	250	180	100	24.0	17.3	182.0	0.0	0.0	0.0			0.0	939.0	132.7	19.6
Oct-2023	1190	200	105	75	23.3	17.3	182.0	0.0	0.0	0.0			0.0	879.7	107.7	16.5
Nov-2023	1185	140	60	30	27.4	19.8	182.0	0.0	0.0	0.0			0.0	915.6	90.2	13.7
Dec-2023	1115	140	85	70	29.6	22.0	182.0	0.0	0.0	0.0			0.0	818.4	48.0	7.9
Jan-2024	1105	130	130	130	30.1	22.4	182.0	0.0	0.0	22.4			0.0	762.9	0.0	0.0
Feb-2024	1410	170	45	25	30.3	21.1	182.0	0.0	0.0	0.0			0.0	1,152.7	123.9	15.4
Mar-2024	1145	200	35	30	26.8	19.9	182.0	0.0	0.0	0.0			0.0	901.2	150.1	22.4
Total	16,430.0	3,400.0	1,820.0	1,250.0	316.2	231.4		0.0		22.4					1,941.0	

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
Apr-2023	1415	320.0	215.0	175.0	24.9	17.9	182.0	0.0	0.0	0.0			0.0	993.1	127.1	17.8
May-2023	1635	510.0	270.0	185.0	23.1	17.2	182.0	0.0	0.0	0.0			0.0	1,159.9	307.8	35.7
Jun-2023	1665	530.0	240.0	160.0	24.6	17.7	182.0	0.0	0.0	0.0			0.0	1,218.4	352.3	40.2
Jul-2023	1800	510.0	285.0	180.0	26.4	19.6	182.0	0.0	0.0	0.0			0.0	1,306.6	310.4	31.9
Aug-2023	1715	460.0	270.0	170.0	25.6	19.1	182.0	0.0	0.0	0.0			0.0	1,237.4	270.9	29.4
Sep-2023	1455	320.0	200.0	115.0	24.0	17.3	182.0	0.0	0.0	0.0			0.0	1,049.0	187.7	24.9
Oct-2023	1285	230.0	130.0	105.0	23.3	17.3	182.0	0.0	0.0	0.0			0.0	949.7	107.7	15.2
Nov-2023	1175	190.0	125.0	125.0	27.4	19.8	182.0	0.0	0.0	0.0			0.0	840.6	45.2	7.5
Dec-2023	1230	190.0	165.0	155.0	29.6	22.0	182.0	0.0	0.0	0.0			0.0	853.4	13.0	2.0
Jan-2024	1240	200.0	135.0	155.0	30.1	22.4	182.0	0.0	0.0	0.0			0.0	892.9	22.6	3.4
Feb-2024	1455	370.0	165.0	145.0	30.3	21.1	182.0	0.0	0.0	0.0			0.0	1,077.7	203.9	27.2
Mar-2024	1250	470.0	285.0	210.0	26.8	19.9	182.0	0.0	0.0	0.0			0.0	756.2	240.1	42.7
Total	17,320.0	4,300.0	2,485.0	1,880.0	316.2	231.4		0.0		0.0					2,188.6	

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 is expected to decline on 03/23, due to high head limitations on San Luis pumps. Trinity penstock is out of service for inspection. Trinity River Winter Variability Flows (deducted from ROD flow volume) continuing via the auxiliary American River flow elevated for flood releases. Other rivers at or near base flows but may see temporary increases for local storm runoff. Base Resource is likely in the coming weeks and should increase significantly around the second week of April.
- Please use 90% study for all your analysis.