

Western Area Power Administration
Sierra Nevada Region

Starting Forecast Month: August 2026

Twelve-Month Forecast of CVP Generation and Base Resource

August 2026 - July 2027

Values at Load Center (Tracy Substation)

Based on Inflow Exceedance Level: 90% (Dry)

Month	CVP Generation		Project Use		First Preference		Losses				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)	CVPT (MW)	CVPT (GWh)	COTP (MW)	COTP (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)	Ancillary Services Purchase Reqmt. (MW)	Project Capacity Available for BR (MW)	Energy Available for Base Resource (GWh)	Capacity Factor (%)
Column	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
Aug-2026	1622	611	195	120	34.2	19.2	27.5	10.9	36.3	27.0	182.0	0.0	0.0	0.0	0.0	1,147.5	433.8	50.8
Sep-2026	1536	417	85	45	30.1	17.1	26.1	7.3	26.6	19.2	182.0	0.0	0.0	0.0	0.0	1,186.3	328.7	38.5
Oct-2026	1130	316	100	90	28.6	17.6	20.0	5.7	16.6	12.3	182.0	0.0	0.0	0.0	0.0	782.9	190.1	32.6
Nov-2026	1211	204	30	20	33.1	19.6	20.7	3.6	20.6	14.9	182.0	0.0	0.0	0.0	0.0	924.2	145.5	21.8
Dec-2026	1160	153	35	25	32.5	20.9	20.5	2.8	15.4	11.4	182.0	0.0	0.0	0.0	0.0	875.1	92.7	14.2
Jan-2027	1476	122	125	145	34.4	21.6	25.7	2.2	14.2	10.5	182.0	0.0	0.0	44.4	0.0	1,094.5	0.0	0.0
Feb-2027	1607	153	30	20	34.4	19.8	27.2	2.6	16.8	11.4	182.0	0.0	0.0	0.0	0.0	1,316.8	98.8	11.2
Mar-2027	1226	173	30	20	34.3	20.4	20.8	3.0	26.3	19.5	182.0	0.0	0.0	0.0	0.0	932.4	110.1	15.9
Apr-2027	1165	326	40	30	31.4	17.6	19.8	5.6	32.8	23.6	182.0	0.0	0.0	0.0	0.0	858.9	248.8	40.2
May-2027	1623	570	60	40	27.2	17.1	27.7	9.8	22.5	16.8	182.0	0.0	0.0	0.0	0.0	1,303.3	486.1	50.1
Jun-2027	1506	580	70	45	32.6	18.1	25.8	10.1	39.2	28.2	182.0	0.0	0.0	0.0	0.0	1,156.3	478.7	57.5
Jul-2027	1663	743	90	55	36.5	20.2	28.2	12.8	39.7	29.6	182.0	0.0	0.0	0.0	0.0	1,286.8	625.2	65.3
Total	16,924.8	4,366.4	890.0	655.0	389.4	229.2	289.8	76.4	306.8	224.4		0.0		44.4		3,238.5		

Based on Inflow Exceedance Level: 50% (Average)

Month	CVP Generation		Project Use		First Preference		Losses				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)	CVPT (MW)	CVPT (GWh)	COTP (MW)	COTP (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)	Ancillary Services Purchase Reqmt. (MW)	Project Capacity Available for BR (MW)	Energy Available for Base Resource (GWh)	Capacity Factor (%)
Column	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
Aug-2026	1612	601	205	130	34.2	19.2	27.4	10.7	36.3	27.0	182.0	0.0	0.0	0.0	0.0	1,127.5	413.8	49.3
Sep-2026	1531	377	105	65	30.1	17.1	26.0	6.8	26.6	19.2	182.0	0.0	0.0	0.0	0.0	1,161.3	268.7	32.1
Oct-2026	1135	305	120	95	28.6	17.6	20.0	5.4	16.6	12.3	182.0	0.0	0.0	0.0	0.0	767.9	175.1	30.6
Nov-2026	1211	193	50	25	33.1	19.6	20.7	3.5	20.6	14.9	182.0	0.0	0.0	0.0	0.0	904.2	130.5	20.0
Dec-2026	1191	153	60	55	32.5	20.9	21.1	2.7	15.4	11.4	182.0	0.0	0.0	0.0	0.0	880.1	62.7	9.6
Jan-2027	1552	122	125	145	34.4	21.6	27.0	2.2	14.2	10.5	182.0	0.0	0.0	44.3	0.0	1,169.5	0.0	0.0
Feb-2027	1613	153	135	130	34.4	19.8	28.1	2.7	16.8	11.4	182.0	0.0	0.0	0.0	0.0	1,216.8	0.0	0.0
Mar-2027	1206	183	135	140	34.3	20.4	21.3	3.3	26.3	19.5	182.0	0.0	0.0	0.0	0.0	807.4	0.1	0.0
Apr-2027	1282	397	115	80	31.4	17.6	21.7	7.0	32.8	23.6	182.0	0.0	0.0	0.0	0.0	898.9	268.8	41.5
May-2027	1806	611	175	115	27.2	17.1	30.7	10.5	22.5	16.8	182.0	0.0	0.0	0.0	0.0	1,368.3	451.1	44.3
Jun-2027	1729	651	185	120	32.6	18.1	29.5	11.4	39.2	28.2	182.0	0.0	0.0	0.0	0.0	1,261.3	473.7	52.2
Jul-2027	1658	712	135	85	36.5	20.2	28.2	12.2	39.7	29.6	182.0	0.0	0.0	0.0	0.0	1,236.8	565.2	61.4
Total	17,526.7	4,458.3	1,545.0	1,185.0	389.4	229.2	301.7	78.3	306.8	224.4		0.0		44.3		2,809.8		

Notes:

This forecast uses inflow forecasts from the beginning of the month before the first shown. The separate Base Resource Regression Forecast (emailed towards the 1st of each month) uses recent inflow forecasts. Base Resource forecasts provided here are two scenarios representing the 50% and 90% inflow exceedances. These do not represent the Base Resource exceedances.

Base Resource forecast for the scenario representing the 90% inflow exceedance is greater than the 50% because there is less assumed pumping in the drier conditions.

Important Updates to Methodology as of December 2024 power forecast

1) California Oregon Transmission Losses are now included in the calculation of Base Resource within the forecast. Previous forecast did not include California Oregon Transmission Losses, resulting in a consistent over estimation of Base Resource.

2) CVP Transmission losses are now shown in the forecast. CVPT losses have always been factored into the forecast, but now shown as a separate column. Previous forecasts have provided the CVP Energy Generation in column A as a net after CVPT was removed. The current forecast shows Gross CVP Generation with a separate column for CVPT losses.