

Western Area Power Administration
Sierra Nevada Region

Starting Forecast Month: September 2026

Twelve-Month Forecast of CVP Generation and Base Resource

September 2026 - August 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
Sep-2026	1455	417	125	70	30.1	17.1	25.3	7.4	26.6	19.2	182.0	0.0	0.0	0.0	0.0	1,066.3	303.7	39.6
Oct-2026	1104	326	105	55	28.6	17.6	18.9	5.8	16.6	12.3	182.0	0.0	0.0	0.0	0.0	752.9	235.1	42.0
Nov-2026	1231	224	50	20	33.1	19.6	21.1	4.0	20.6	14.9	182.0	0.0	0.0	0.0	0.0	924.2	165.5	24.8
Dec-2026	1125	143	35	20	32.5	20.9	19.9	2.6	15.4	11.4	182.0	0.0	0.0	0.0	0.0	840.1	87.7	14.0
Jan-2027	1496	122	85	90	34.4	21.6	26.1	2.2	14.2	10.5	182.0	0.0	0.0	0.0	0.0	1,154.5	0.0	0.0
Feb-2027	1511	142	80	65	34.4	19.8	26.4	2.4	16.8	11.4	182.0	0.0	0.0	0.0	0.0	1,171.8	43.8	5.6
Mar-2027	1390	193	100	85	34.3	20.4	24.6	3.4	26.3	19.5	182.0	0.0	0.0	0.0	0.0	1,022.4	65.1	8.6
Apr-2027	1496	265	65	40	31.4	17.6	25.7	4.6	32.8	23.6	182.0	0.0	0.0	0.0	0.0	1,158.9	178.8	21.4
May-2027	1653	539	60	45	27.2	17.1	28.2	9.3	22.5	16.8	182.0	0.0	0.0	0.0	0.0	1,333.3	451.1	45.5
Jun-2027	1475	580	70	45	32.6	18.1	25.2	10.2	39.2	28.2	182.0	0.0	0.0	0.0	0.0	1,126.3	478.7	59.0
Jul-2027	1506	590	75	50	36.5	20.2	25.9	10.3	39.7	29.6	182.0	0.0	0.0	0.0	0.0	1,146.8	480.2	56.3
Aug-2027	1593	611	205	135	34.2	19.2	27.8	10.9	36.3	27.0	182.0	0.0	0.0	0.0	0.0	1,107.5	418.8	50.8
Total	17,035.0	4,153.0	1,055.0	720.0	389.4	229.2	295.0	73.0	306.8	224.4		0.0		0.0		2,908.5		

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
Sep-2026	1536	387	110	65	30.1	17.1	26.1	6.9	26.6	19.2	182.0	0.0	0.0	0.0	0.0	1,161.3	278.7	33.3
Oct-2026	1023	316	145	100	28.6	17.6	18.0	5.6	16.6	12.3	182.0	0.0	0.0	0.0	0.0	632.9	180.1	38.2
Nov-2026	1226	194	50	25	33.1	19.6	21.0	3.5	20.6	14.9	182.0	0.0	0.0	0.0	0.0	919.2	130.5	19.7
Dec-2026	1155	153	60	60	32.5	20.9	20.4	2.7	15.4	11.4	182.0	0.0	0.0	0.0	0.0	845.1	57.7	9.2
Jan-2027	1562	122	125	145	34.4	21.6	27.3	2.2	14.2	10.5	182.0	0.0	0.0	44.3	0.0	1,179.5	0.0	0.0
Feb-2027	1628	132	135	130	34.4	19.8	28.4	2.3	16.8	11.4	182.0	0.0	0.0	17.4	0.0	1,231.8	0.0	0.0
Mar-2027	1497	193	135	145	34.3	20.4	26.5	3.4	26.3	19.5	182.0	0.0	0.0	0.0	0.0	1,092.4	5.1	0.6
Apr-2027	1512	407	130	85	31.4	17.6	26.8	7.1	32.8	23.6	182.0	0.0	0.0	0.0	0.0	1,108.9	273.8	34.3
May-2027	1816	641	175	120	27.2	17.1	30.8	11.1	22.5	16.8	182.0	0.0	0.0	0.0	0.0	1,378.3	476.1	46.4
Jun-2027	1663	662	185	120	32.6	18.1	28.3	11.5	39.2	28.2	182.0	0.0	0.0	0.0	0.0	1,196.3	483.7	56.2
Jul-2027	1760	712	135	95	36.5	20.2	30.0	12.3	39.7	29.6	182.0	0.0	0.0	0.0	0.0	1,336.8	555.2	55.8
Aug-2027	1694	580	210	130	34.2	19.2	28.7	10.2	36.3	27.0	182.0	0.0	0.0	0.0	0.0	1,202.5	393.8	44.0
Total	18,072.5	4,499.0	1,595.0	1,220.0	389.4	229.2	312.5	79.0	306.8	224.4		0.0		61.8		2,834.8		

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.