

**Twelve-Month Forecast of CVP Generation and Base Resource**  
October 2019 Through September 2020  
Values at Load Center (Tracy Substation)

Exceedence 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)	(This column for future use)	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
Oct-2019	1455	350.0	155.0	140.0	18.9	14.1	182.0	0.0	0.0	0.0			0.0	1,099.1	195.9	24.0
Nov-2019	1285	220.0	130.0	120.0	22.7	16.3	182.0	0.0	0.0	0.0			0.0	950.3	83.7	11.8
Dec-2019	1410	210.0	170.0	170.0	24.1	17.9	182.0	0.0	0.0	0.0			0.0	1,033.9	22.1	3.0
Jan-2020	1385	170.0	65.0	60.0	24.2	18.0	182.0	0.0	0.0	0.0			0.0	1,113.8	92.0	11.1
Feb-2020	1735	160.0	70.0	40.0	26.4	18.4	182.0	0.0	0.0	0.0			0.0	1,456.6	101.6	9.7
Mar-2020	1620	270.0	60.0	30.0	22.6	16.8	182.0	0.0	0.0	0.0			0.0	1,355.4	223.2	22.1
Apr-2020	1485	350.0	50.0	35.0	20.1	14.5	182.0	0.0	0.0	0.0			0.0	1,232.9	300.5	32.8
May-2020	1475	440.0	65.0	50.0	19.3	14.3	182.0	0.0	0.0	0.0			0.0	1,208.7	375.7	44.7
Jun-2020	1800	600.0	80.0	50.0	20.4	14.7	182.0	0.0	0.0	0.0			0.0	1,517.6	535.3	47.4
Jul-2020	1775	660.0	115.0	70.0	21.7	16.1	182.0	0.0	0.0	0.0			0.0	1,456.3	573.9	54.7
Aug-2020	1705	580.0	125.0	75.0	22.4	16.6	182.0	0.0	0.0	0.0			0.0	1,375.6	488.4	47.7
Sep-2020	1310	520.0	80.0	55.0	19.7	14.2	182.0	0.0	0.0	0.0			0.0	1,028.3	450.8	60.9
Total	18,440.0	4,530.0	1,165.0			192.0		0.0		0.0					3,443.0	

Exceedence 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)	(This column for future use)	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
Oct-2019	1460	340.0	155.0	135.0	18.9	14.1	182.0	0.0	0.0	0.0			0.0	1,104.1	190.9	23.2
Nov-2019	1300	230.0	175.0	160.0	22.7	16.3	182.0	0.0	0.0	0.0			0.0	920.3	53.7	7.8
Dec-2019	1425	220.0	200.0	175.0	24.1	17.9	182.0	0.0	0.0	0.0			0.0	1,018.9	27.1	3.7
Jan-2020	1415	210.0	65.0	35.0	24.2	18.0	182.0	0.0	0.0	0.0			0.0	1,143.8	157.0	18.4
Feb-2020	1580	300.0	85.0	50.0	26.4	18.4	182.0	0.0	0.0	0.0			0.0	1,286.6	231.6	25.0
Mar-2020	1480	460.0	90.0	65.0	22.6	16.8	182.0	0.0	0.0	0.0			0.0	1,185.4	378.2	42.9
Apr-2020	1495	390.0	55.0	40.0	20.1	14.5	182.0	0.0	0.0	0.0			0.0	1,237.9	335.5	36.4
May-2020	1490	590.0	85.0	60.0	19.3	14.3	182.0	0.0	0.0	0.0			0.0	1,203.7	515.7	61.5
Jun-2020	1815	650.0	190.0	120.0	20.4	14.7	182.0	0.0	0.0	0.0			0.0	1,422.6	515.3	48.7
Jul-2020	1780	640.0	235.0	150.0	21.7	16.1	182.0	0.0	0.0	0.0			0.0	1,341.3	473.9	49.1
Aug-2020	1725	570.0	225.0	140.0	22.4	16.6	182.0	0.0	0.0	0.0			0.0	1,295.6	413.4	42.9
Sep-2020	1320	360.0	150.0	95.0	19.7	14.2	182.0	0.0	0.0	0.0			0.0	968.3	250.8	36.0
Total	18,285.0	4,960.0	1,710.0	1,225.0				0.0		0.0					3,543.0	

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.
- Sacramento River releases decreasing to lower the river stage for spawn of Fall run salmon. Trinity Diversions continuing for Trinity storage management. American River in-stream gravel work complete, releases increasing for storage management. Recent cool weather has alleviated river temperature concerns for the near term. State/Federal agreement has been reached on Delta Fall X2 requirements, Delta pumping being reduced going into October.