

Twelve-Month Forecast of CVP Generation and Base Resource
March 2019 Through February 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
Mar-2019	1050	300.0	105.0	75.0	22.7	17.0	182.0	0.0	0.0	0.0			0.0	740.3	208.0	37.8
Apr-2019	1385	390.0	55.0	35.0	20.9	15.5	182.0	0.0	0.0	0.0			0.0	1,127.1	339.5	41.8
May-2019	1385	440.0	75.0	55.0	18.4	13.7	182.0	0.0	0.0	0.0			0.0	1,109.6	371.3	45.0
Jun-2019	1710	610.0	85.0	60.0	19.5	14.0	182.0	0.0	0.0	0.0			0.0	1,423.5	536.0	52.3
Jul-2019	1670	590.0	200.0	125.0	21.9	16.3	182.0	0.0	0.0	0.0			0.0	1,266.1	448.7	47.6
Aug-2019	1605	480.0	210.0	130.0	21.0	15.6	182.0	0.0	0.0	0.0			0.0	1,192.0	334.4	37.7
Sep-2019	1395	310.0	180.0	115.0	19.1	13.8	182.0	0.0	0.0	0.0			0.0	1,013.9	181.2	24.8
Oct-2019	1205	210.0	150.0	130.0	18.7	13.9	182.0	0.0	0.0	0.0			0.0	854.3	66.1	10.4
Nov-2019	1280	170.0	145.0	145.0	22.4	16.1	182.0	0.0	0.0	0.0			0.0	930.6	8.9	1.3
Dec-2019	1205	170.0	185.0	165.0	23.8	17.7	182.0	0.0	0.0	12.7			0.0	814.2	0.0	0.0
Jan-2020	1380	160.0	105.0	125.0	24.0	17.9	182.0	0.0	0.0	0.0			0.0	1,069.0	17.1	2.2
Feb-2020	1260	150.0	105.0	100.0	26.6	18.5	182.0	0.0	0.0	0.0			0.0	946.4	31.5	4.8
Total		3,980.0		1,260.0		190.0		0.0		12.7					2,542.7	

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
Mar-2019	1055	260.0	130.0	105.0	22.7	17.0	182.0	0.0	0.0	0.0			0.0	720.3	138.0	25.8
Apr-2019	1385	400.0	55.0	40.0	20.9	15.5	182.0	0.0	0.0	0.0			0.0	1,127.1	344.5	42.5
May-2019	1390	510.0	85.0	60.0	18.4	13.7	182.0	0.0	0.0	0.0			0.0	1,104.6	436.3	53.1
Jun-2019	1705	590.0	190.0	125.0	19.5	14.0	182.0	0.0	0.0	0.0			0.0	1,313.5	451.0	47.7
Jul-2019	1690	610.0	235.0	155.0	21.9	16.3	182.0	0.0	0.0	0.0			0.0	1,251.1	438.7	47.1
Aug-2019	1650	510.0	220.0	140.0	21.0	15.6	182.0	0.0	0.0	0.0			0.0	1,227.0	354.4	38.8
Sep-2019	1455	390.0	180.0	120.0	19.1	13.8	182.0	0.0	0.0	0.0			0.0	1,073.9	256.2	33.1
Oct-2019	1265	260.0	150.0	135.0	18.7	13.9	182.0	0.0	0.0	0.0			0.0	914.3	111.1	16.3
Nov-2019	1345	210.0	145.0	145.0	22.4	16.1	182.0	0.0	0.0	0.0			0.0	995.6	48.9	6.8
Dec-2019	1270	200.0	165.0	170.0	23.8	17.7	182.0	0.0	0.0	0.0			0.0	899.2	12.3	1.8
Jan-2020	1475	180.0	150.0	150.0	24.0	17.9	182.0	0.0	0.0	0.0			0.0	1,119.0	12.1	1.5
Feb-2020	1355	160.0	135.0	130.0	26.6	18.5	182.0	0.0	0.0	0.0			0.0	1,011.4	11.5	1.6
Total		4,280.0		1,475.0		190.0		0.0		0.0					2,615.0	

Notes:
 1. 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.