

Twelve-Month Forecast of CVP Generation and Base Resource
June 2019 Through May 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)	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
Jun-2019	1715	600.0	190.0	125.0	20.0	14.4	182.0	0.0	0.0	0.0			0.0	1,323.0	460.6	48.4
Jul-2019	1700	650.0	210.0	145.0	22.6	16.8	182.0	0.0	0.0	0.0			0.0	1,285.4	488.2	51.0
Aug-2019	1575	580.0	190.0	130.0	21.5	16.0	182.0	0.0	0.0	0.0			0.0	1,181.5	434.0	49.4
Sep-2019	1485	430.0	130.0	95.0	19.7	14.2	182.0	0.0	0.0	0.0			0.0	1,153.3	320.8	38.6
Oct-2019	1550	370.0	55.0	30.0	19.2	14.3	182.0	0.0	0.0	0.0			0.0	1,293.8	325.7	33.8
Nov-2019	1250	210.0	105.0	100.0	22.9	16.5	182.0	0.0	0.0	0.0			0.0	940.1	93.5	13.8
Dec-2019	1345	180.0	145.0	155.0	24.3	18.1	182.0	0.0	0.0	0.0			0.0	993.7	6.9	0.9
Jan-2020	1390	160.0	130.0	135.0	24.4	18.2	182.0	0.0	0.0	0.0			0.0	1,053.6	6.8	0.9
Feb-2020	1495	150.0	135.0	115.0	26.7	18.6	182.0	0.0	0.0	0.0			0.0	1,151.3	16.4	2.0
Mar-2020	1360	250.0	155.0	155.0	22.8	17.0	182.0	0.0	0.0	0.0			0.0	1,000.2	78.0	10.5
Apr-2020	1735	400.0	55.0	40.0	20.3	14.6	182.0	0.0	0.0	0.0			0.0	1,477.7	345.4	32.5
May-2020	1520	440.0	90.0	60.0	19.1	14.2	182.0	0.0	0.0	0.0			0.0	1,228.9	365.8	40.0
Total		4,420.0		1,285.0		192.7		0.0		0.0					2,942.3	

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)	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
Jun-2019	1720	630.0	200.0	130.0	20.0	14.4	182.0	0.0	0.0	0.0			0.0	1,318.0	485.6	51.2
Jul-2019	1705	640.0	215.0	150.0	22.6	16.8	182.0	0.0	0.0	0.0			0.0	1,285.4	473.2	49.5
Aug-2019	1605	600.0	190.0	135.0	21.5	16.0	182.0	0.0	0.0	0.0			0.0	1,211.5	449.0	49.8
Sep-2019	1520	440.0	130.0	95.0	19.7	14.2	182.0	0.0	0.0	0.0			0.0	1,188.3	330.8	38.7
Oct-2019	1495	350.0	80.0	60.0	19.2	14.3	182.0	0.0	0.0	0.0			0.0	1,213.8	275.7	30.5
Nov-2019	1300	240.0	160.0	140.0	22.9	16.5	182.0	0.0	0.0	0.0			0.0	935.1	83.5	12.4
Dec-2019	1405	210.0	140.0	155.0	24.3	18.1	182.0	0.0	0.0	0.0			0.0	1,058.7	36.9	4.7
Jan-2020	1475	200.0	155.0	145.0	24.4	18.2	182.0	0.0	0.0	0.0			0.0	1,113.6	36.8	4.4
Feb-2020	1610	290.0	155.0	140.0	26.7	18.6	182.0	0.0	0.0	0.0			0.0	1,246.3	131.4	15.2
Mar-2020	1445	390.0	155.0	160.0	22.8	17.0	182.0	0.0	0.0	0.0			0.0	1,085.2	213.0	26.4
Apr-2020	1795	390.0	60.0	40.0	20.3	14.6	182.0	0.0	0.0	0.0			0.0	1,532.7	335.4	30.4
May-2020	1550	470.0	90.0	65.0	19.1	14.2	182.0	0.0	0.0	0.0			0.0	1,258.9	390.8	41.7
Total		4,850.0		1,415.0		192.7		0.0		0.0					3,242.3	

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.