

**Twelve-Month Forecast of CVP Generation and Base Resource**  
April 2019 Through March 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
Apr-2019	1400	410.0	55.0	40.0	22.7	17.0	182.0	0.0	0.0	0.0			0.0	1,140.3	353.0	43.0
May-2019	1780	580.0	85.0	60.0	20.9	15.5	182.0	0.0	0.0	0.0			0.0	1,492.1	504.5	45.4
Jun-2019	1775	620.0	190.0	125.0	18.4	13.7	182.0	0.0	0.0	0.0			0.0	1,384.6	481.3	48.3
Jul-2019	1890	650.0	235.0	155.0	19.5	14.0	182.0	0.0	0.0	0.0			0.0	1,453.5	481.0	44.5
Aug-2019	1765	530.0	205.0	135.0	21.9	16.3	182.0	0.0	0.0	0.0			0.0	1,356.1	378.7	37.5
Sep-2019	1635	370.0	175.0	115.0	21.0	15.6	182.0	0.0	0.0	0.0			0.0	1,257.0	239.4	26.4
Oct-2019	1535	270.0	150.0	125.0	19.1	13.8	182.0	0.0	0.0	0.0			0.0	1,183.9	131.2	14.9
Nov-2019	1525	180.0	85.0	75.0	18.7	13.9	182.0	0.0	0.0	0.0			0.0	1,239.3	91.1	10.2
Dec-2019	1445	190.0	145.0	145.0	22.4	16.1	182.0	0.0	0.0	0.0			0.0	1,095.6	28.9	3.5
Jan-2020	1420	160.0	130.0	125.0	23.8	17.7	182.0	0.0	0.0	0.0			0.0	1,084.2	17.3	2.1
Feb-2020	1600	180.0	155.0	130.0	24.0	17.9	182.0	0.0	0.0	0.0			0.0	1,239.0	32.1	3.7
Mar-2020	1165	240.0	135.0	115.0	26.6	18.5	182.0	0.0	0.0	0.0			0.0	821.4	106.5	17.4
Total		4,380.0		1,345.0		190.0		0.0		0.0					2,845.0	

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
Apr-2019	1415	490.0	80.0	50.0	22.7	17.0	182.0	0.0	0.0	0.0			0.0	1,130.3	423.0	52.0
May-2019	1795	640.0	110.0	70.0	20.9	15.5	182.0	0.0	0.0	0.0			0.0	1,482.1	554.5	50.3
Jun-2019	1790	650.0	190.0	125.0	18.4	13.7	182.0	0.0	0.0	0.0			0.0	1,399.6	511.3	50.7
Jul-2019	1925	650.0	235.0	155.0	19.5	14.0	182.0	0.0	0.0	0.0			0.0	1,488.5	481.0	43.4
Aug-2019	1830	550.0	225.0	145.0	21.9	16.3	182.0	0.0	0.0	0.0			0.0	1,401.1	388.7	37.3
Sep-2019	1780	500.0	110.0	65.0	21.0	15.6	182.0	0.0	0.0	0.0			0.0	1,467.0	419.4	39.7
Oct-2019	1580	320.0	80.0	55.0	19.1	13.8	182.0	0.0	0.0	0.0			0.0	1,298.9	251.2	26.0
Nov-2019	1650	220.0	55.0	25.0	18.7	13.9	182.0	0.0	0.0	0.0			0.0	1,394.3	181.1	18.0
Dec-2019	1505	210.0	155.0	140.0	22.4	16.1	182.0	0.0	0.0	0.0			0.0	1,145.6	53.9	6.3
Jan-2020	1490	200.0	130.0	135.0	23.8	17.7	182.0	0.0	0.0	0.0			0.0	1,154.2	47.3	5.5
Feb-2020	1680	310.0	155.0	140.0	24.0	17.9	182.0	0.0	0.0	0.0			0.0	1,319.0	152.1	16.6
Mar-2020	1225	370.0	135.0	130.0	26.6	18.5	182.0	0.0	0.0	0.0			0.0	881.4	221.5	33.8
Total		5,110.0		1,235.0		190.0		0.0		0.0					3,685.0	

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.