

**Crestline Village Water District
Source of Supply Production Report
System Loss - Last 13 Months
In Cubic Feet**

09/13/19

	August	Sept	Oct	Nov	Dec	Jan '19	Feb	Mar	Apr	May	June	July	August	Total
Sources of Supply														
Wells	1,003,332	901,533	1,017,344	647,576	514,242	1,090,018	1,367,259	1,592,464	1,592,464	1,916,178	1,779,411	2,000,356	1,850,570	17,272,747
Purchased Water	1,835,348	1,460,575	1,794,720	1,696,003	1,322,968	1,382,554	735,802	512,005	512,005	347,887	723,395	1,148,623	1,315,362	14,787,247
Adjustment to Wells *	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Water Supplied	2,838,680	2,362,108	2,812,064	2,343,579	1,837,210	2,472,572	2,103,061	2,104,469	2,104,469	2,264,065	2,502,806	3,148,979	3,165,932	32,059,994
Water Used **														
Metered Accounts				Estimated										
Crestline Area	1,353,623	1,106,742	1,110,762	946,253	811,903	1,062,017	941,370	892,895	1,010,773	941,028	948,267	1,300,573	1,342,258	13,768,464
Lake Gregory Area	1,487,797	1,338,394	1,371,614	1,150,726	922,514	1,233,622	960,810	968,188	1,045,541	1,104,013	1,069,690	1,464,980	1,411,839	15,529,728
Change in Storage	34,745	(19,875)	(26,874)	21,586	(5,521)	(1,686)	(25,298)	(4,370)	17,247	19,940	27,725	(12,156)	(5,495)	19,968
Flushing, System & Other	14,773	14,633	26,097	28,303	14,439	14,439	14,439	14,947	29,877	16,444	14,439	14,439	15,408	232,678
Accounted for Water	2,890,938	2,439,894	2,481,599	2,146,868	1,743,335	2,308,392	1,891,321	1,871,660	2,103,438	2,081,425	2,060,121	2,767,836	2,764,010	29,550,838
System Loss (CF)	(52,258)	(77,786)	330,465	196,711	93,875	164,180	211,740	232,809	1,031	182,640	442,685	381,143	401,922	2,509,156
System Loss (%)	-1.8%	-3.3%	11.8%	8.4%	5.1%	6.6%	10.1%	11.1%	0.0%	8.1%	17.7%	12.1%	12.7%	7.8%
System Loss (GPM)	(8.8)	(14.4)	52.0	34.1	18.8	24.4	37.9	41.7	0.2	30.6	82.1	60.0	69.6	35.8
Month to Month Averaging ***														
System Loss (CF)	(26,129)	(65,022)	126,339	263,588	145,293	129,028	187,960	222,275	116,920	91,835	312,663	411,914	391,532	2,308,196
System Loss (%)	-0.9%	-2.6%	4.2%	10.1%	6.8%	5.9%	8.4%	10.6%	5.6%	4.1%	12.9%	14.9%	12.4%	7.2%
System Loss (GPM)	(4.4)	(11.6)	18.8	43.0	26.4	21.6	31.1	39.8	20.9	15.4	56.4	71.1	64.8	32.9
Estimated Uses														
Known leaks - Est. loss	72,898	906	37,796	139	2,160	193	1,204	385	0	1,011	1,709	0	13,909	132,310
Total Estimated Uses	72,898	906	37,796	139	2,160	193	1,204	385	0	1,011	1,709	0	13,909	132,310
Unaccounted for Water (CF)	(125,156)	(78,692)	292,669	196,572	91,715	163,987	210,536	232,424	1,031	181,629	440,976	381,143	388,013	2,376,847
Unaccounted For (%)	-4.4%	-3.3%	10.4%	8.4%	5.0%	6.6%	10.0%	11.0%	0.1%	8.0%	17.6%	12.1%	12.3%	7.4%
Unaccounted For (GPM)	(21.0)	(14.6)	46.1	34.0	18.3	24.3	37.7	41.6	0.2	30.4	81.8	60.0	67.2	33.9
Number of Days in Period	31	28	33	30	26	35	29	29	32	31	28	33	30	364

NOTES:

Estimated - Includes estimated billing period. This month includes estimated consumption. The following billing period will reflect adjustments to actual water used.

* - Currently there are no Adjustments to Wells being made.

** - Water Used - Metered Accounts is adjusted to the time period in Total Water Supplied

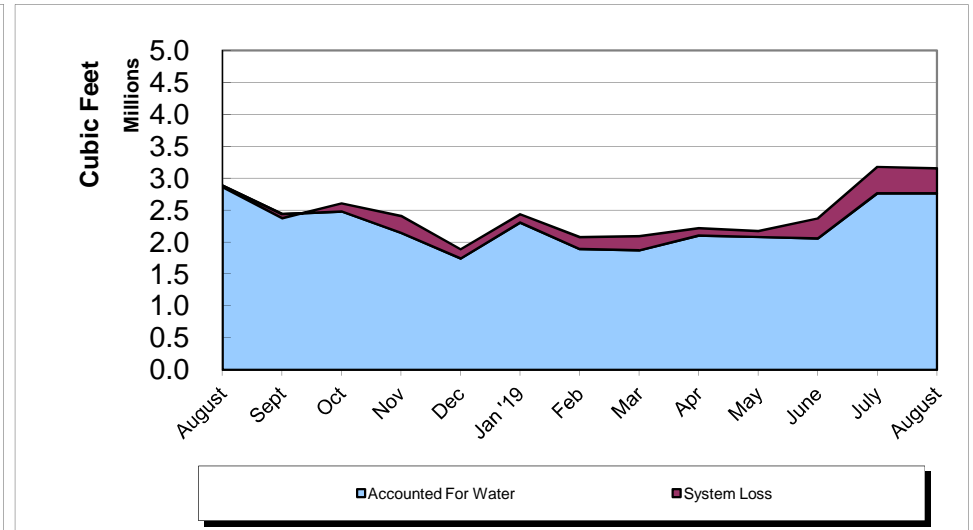
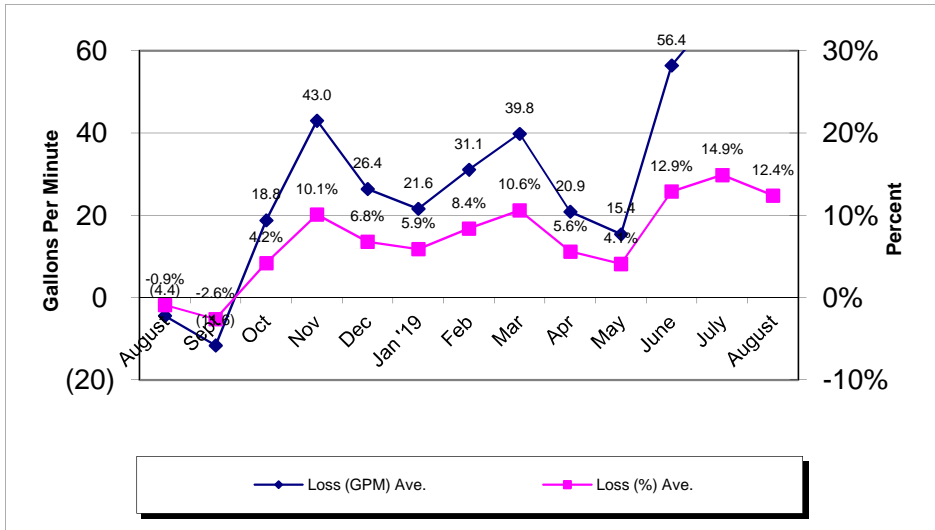
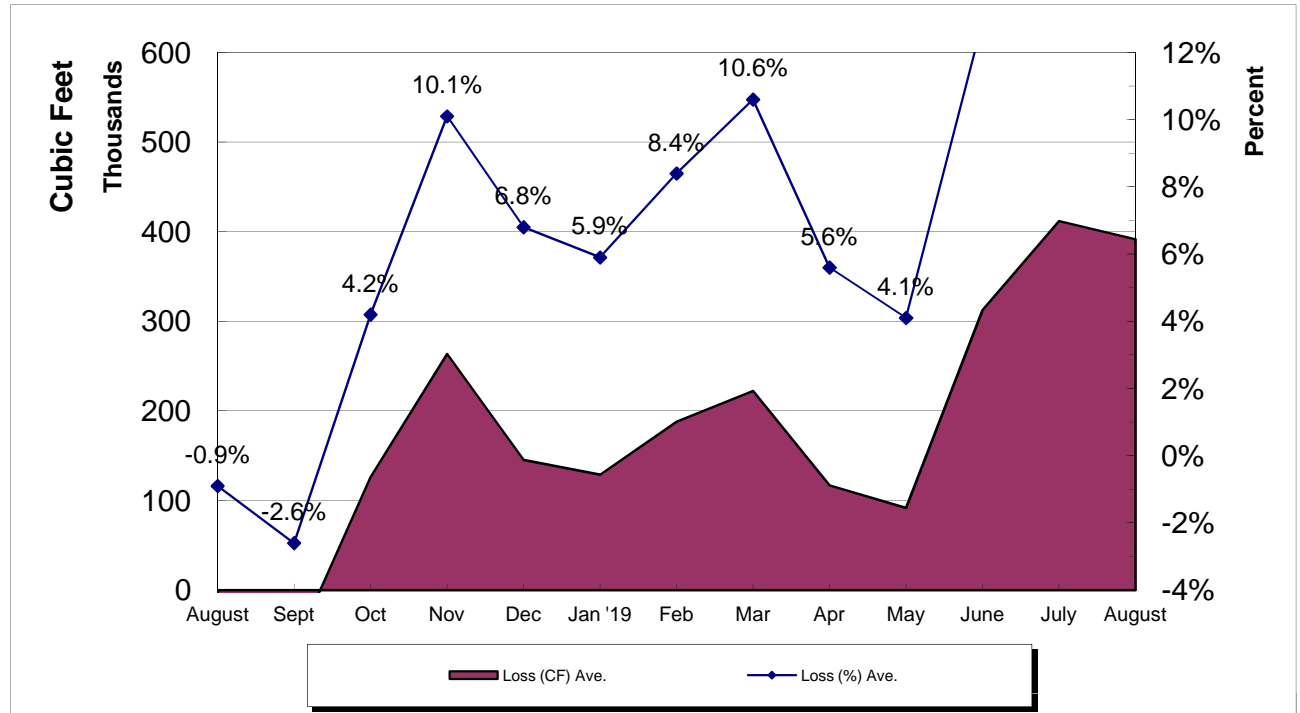
*** - Month to Month averaging averages the System Loss for each period with the immediately prior period for trending purposes.

System Loss Costs	This Month	Average
Cost of System Loss:	\$10,336	\$4,687
Cost of 5% System Loss:	4,179	3,255
Amount above (below) 5% System Loss	\$6,157	\$1,432
Note: Cost is calculated at highest cost (CLAWA Rate: \$2.64/100 c.f.)		

Crestline Village Water District

System Loss Last 13 Months

With Month to Month Averaging



Crestline Village Water District
System Report on: 08/30/19

For Month of: August 2019

Water Storage (Gal)	Capacity	Gallons/ Foot	Level (FT)	Current Storage	% of Capacity
Beacon I & II	385,354	16,752	18.85	315,775	81.94%
Saxon	337,674	14,681	17.69	259,707	76.91%
Pinecrest I & II	2,063,492	54,302	33.12	1,798,482	87.16%
Zurich	380,500	18,789	17.13	321,856	84.59%
Lakeview	1,230,212	27,955	36.57	1,022,314	83.10%
Old Mill	705,900	27,151	21.92	595,150	84.31%
Barn	444,443	19,752	18.08	357,116	80.35%
Wilson	983,681	33,915	26.33	892,982	90.78%
Chillon	337,674	14,679	16.82	246,901	73.12%
Brookside	748,067	28,772	19.46	559,903	74.85%
Chamois	1,026,532	39,482	21.96	867,025	84.46%
Total	8,643,529		247.93	7,237,211	83.73%

WELLS	Production M-T-D (Cubic Feet)	Status
Altdorf	82,955	On
Pioneer-2	51,594	On
Pioneer-1	61,312	On
Old Mill Springs	38,960	On
Maple Springs	87,918	On
Willow Springs	90,630	On
Brookside Springs	46,070	Off
Hillside Springs	0	Off
Pinecrest 1 & 2	25,650	On
Pinecrest Vertical	210,285	On
Cypress Vertical	145,210	On
Anderson Vertical	150,424	On
Wilson Springs 1 & 2	199,414	On
Wilson Vertical	165,480	On
Felsen Vertical	169,819	On
Horst	126,761	On
Jewel 64	76,683	On
Cathcart	29,349	On
Bergschrund	39,496	On
Chamois	0	Off
Chamois Vertical	52,560	On
	0	0
	0	0
	0	0
Lewter	0	Off
Total	1,850,570	

C.L.A.W.A.	FLOWS - GPM				Production M-T-D (Cubic Feet)
	Timed	Requested	Variance	% Variance	
CF - Crestline	50	50	0	0.00%	300,535
Mile High 2"	0	0	0	0.00%	0
Mile High 4"	38	40	(2)	-5.00%	140,508
Pinecrest 2"	0	0	0	0.00%	0
Pinecrest 4"	108	0	108	0.00%	619,118
Lake Drive 2"	13	30	(17)	-56.67%	178,329
Lake Drive 4"	0	0	0	0.00%	0
Camp Seely	18	0	18	0.00%	76,872
Total	196	90	106	117.78%	1,315,362

August Purchases	GPM	Cubic Feet	Wells	GPM	Cubic Feet
Last Year M-T-D:	280.6	1,620,578		161.1	930,417
Actual M-T-D:	227.8	1,315,362		320.4	1,850,570
Over/(Under) Last Year:	(52.9)	(305,216.0)		159.3	920,153.0

Total	GPM	Cubic Feet
Last Year M-T-D:	441.7	2,550,995
Actual M-T-D:	548.2	3,165,932
Over/(Under) Last Year:	106.5	614,937.0

Crestline Village Water District
Source of Supply Production Report
Cubic Feet
Last 13 Months

09/12/19

Source Name	August '18	September	October	November	December	January '19	February	March	April	May	June	July	August	Last 12 Months	13 Months
Division 10															
Altdorf	56,355	50,276	57,499	52,454	47,759	126,854	74,147	84,122	135,433	106,117	95,034	110,795	82,955	1,023,445	1,079,800
Pioneer #2	36,384	32,431	34,522	34,254	29,535	69,148	36,529	41,330	54,527	53,461	47,897	56,812	51,594	542,040	578,424
Pioneer #1	28,627	24,984	28,677	26,174	26,207	83,753	43,705	78,743	65,777	59,978	57,997	55,460	61,312	612,767	641,394
Old Mill Springs	21,740	18,150	19,720	17,030	14,640	41,440	157,130	160,400	161,030	95,600	81,690	77,620	38,960	883,410	905,150
Maple Springs	8,670	10,086	12,083	7,992	8,878	16,633	60,981	63,579	112,862	95,089	81,843	96,864	87,918	654,808	663,478
Willow Springs	13,730	10,980	10,640	9,350	7,290	20,510	72,610	114,640	129,020	113,180	96,050	105,860	90,630	780,760	794,490
Brookside Springs	9,610	7,490	8,950	7,710	6,960	23,930	68,590	96,930	94,400	73,920	15,360	85,470	46,070	535,780	545,390
Hillside Springs	5,720	5,110	5,170	4,440	3,600	8,310	22,470	13,160	0	0	0	0	0	62,260	67,980
Pinecrest	40,590	33,510	36,060	29,420	23,660	59,270	73,100	87,250	61,600	53,350	33,700	29,330	25,650	545,900	586,490
Pinecrest Vertical	93,680	80,890	91,620	32,520	0	0	0	0	184,601	224,054	203,051	241,416	210,285	1,268,437	1,362,117
Cypress Vertical	89,960	81,550	93,080	6,610	0	36,630	80,750	0	0	0	0	78,500	145,210	522,330	612,290
Anderson Vertical	52,055	56,053	56,114	40,626	37,476	93,129	93,506	130,777	168,244	160,814	146,982	171,651	150,424	1,305,796	1,357,851
Division 10 Totals	457,121	411,510	454,135	268,580	206,005	579,607	783,518	870,931	1,167,494	1,035,563	859,604	1,109,778	991,008	8,737,733	9,194,854
Division 20															
Wilson Springs #1 & 2	79,950	70,662	79,147	72,247	60,379	142,223	95,329	144,060	194,650	193,324	179,547	222,598	199,414	1,653,580	1,733,530
Wilson Vertical	127,359	111,578	134,176	119,521	105,890	32,394	119,562	123,600	171,753	167,427	142,610	132,012	165,480	1,526,003	1,653,362
Felsen Vertical	152,264	138,994	159,450	19,987	0	0	143,972	142,093	180,968	175,083	159,480	187,446	169,819	1,477,292	1,629,556
Horst	45,290	39,333	44,707	38,440	32,102	74,894	44,247	92,240	138,846	142,356	130,505	155,235	126,761	1,059,666	1,104,956
Jewell No. 64	62,464	59,385	66,035	59,146	51,645	124,560	76,085	90,327	90,056	83,396	235,156	86,306	76,683	1,098,780	1,161,244
Cathcart	20,025	17,865	20,012	17,587	14,716	36,042	29,173	41,344	43,429	36,838	30,811	36,070	29,349	353,236	373,261
Bergschrund	8,729	7,186	7,452	5,838	4,385	10,838	29,053	42,449	48,474	47,111	41,698	47,841	39,496	331,821	340,550
Chamois	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chamois Vertical	50,130	45,020	52,230	46,230	39,120	89,460	46,320	45,420	49,020	35,080	0	23,070	52,560	523,530	573,660
Valle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chillon 64 (stand-by)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Government	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lewter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Division 20 Totals	546,211	490,023	563,209	378,996	308,237	510,411	583,741	721,533	917,196	880,615	919,807	890,578	859,562	8,023,908	8,570,119
Total District Sources	1,003,332	901,533	1,017,344	647,576	514,242	1,090,018	1,367,259	1,592,464	2,084,690	1,916,178	1,779,411	2,000,356	1,850,570	16,761,641	17,764,973
C.L.A.W.A.															
Crest Forest 6"	426,203	276,471	465,508	347,861	299,599	409,759	113,235	95,187	20,187	20,187	0	0	0	2,047,994	2,474,197
Mile High Park 2"	317,701	186,511	304,211	239,853	204,786	273,463	49,973	43,182	0	0	0	0	0	1,301,979	1,619,680
Mile High Park 4"	0	0	0	0	0	0	0	0	0	0	170,588	249,064	249,064	668,716	668,716
Pinecrest 2"	0	0	0	0	0	0	0	137,807	261,070	261,070	0	0	0	659,947	659,947
Pinecrest 4"	972,594	839,171	853,610	1,108,289	818,583	699,332	572,594	235,829	0	0	527,807	706,016	706,016	7,067,247	8,039,841
Lake Drive 2"	0	0	0	0	0	0	0	0	0	0	0	141,003	141,003	282,006	282,006
Lake Drive 4"	0	158,422	60,428	0	0	0	0	0	0	0	0	0	0	218,850	218,850
Camp Seely	118,850	0	110,963	0	0	0	0	0	84,492	84,492	25,000	52,540	52,540	410,027	528,877
C.L.A.W.A. Totals	1,835,348	1,460,575	1,794,720	1,696,003	1,322,968	1,382,554	735,802	512,005	365,749	365,749	723,395	1,148,623	1,148,623	12,656,766	14,492,114
Grand Totals	2,838,680	2,362,108	2,812,064	2,343,579	1,837,210	2,472,572	2,103,061	2,104,469	2,450,439	2,281,927	2,502,806	3,148,979	2,999,193	29,418,407	32,257,087

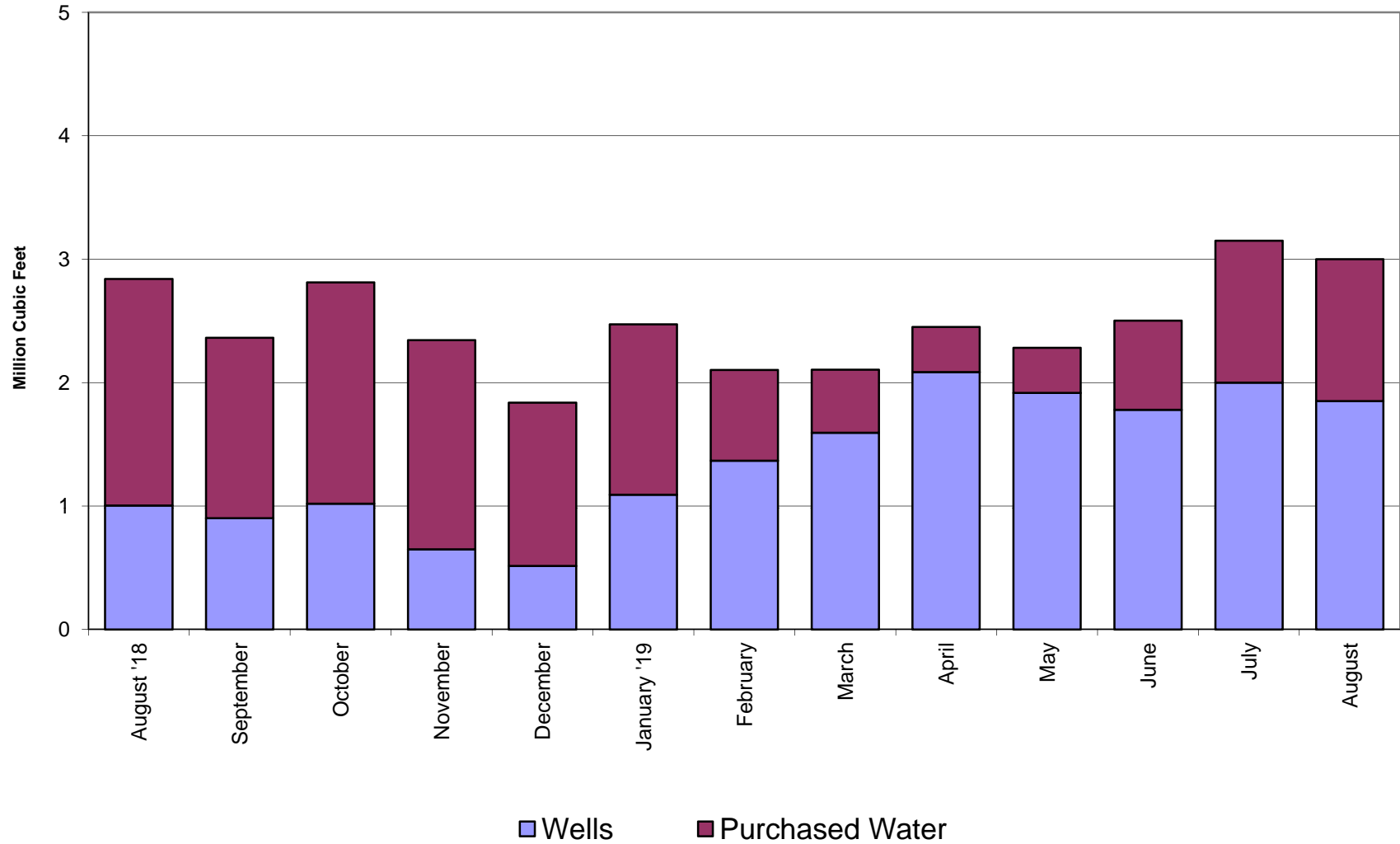
**Crestline Village Water District
Source of Supply Production Report
Cubic Feet
Last 13 Months**

09/12/19

<u>Source Name</u>	<u>August '18</u>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December</u>	<u>January '19</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>Last 12 Months</u>	<u>13 Months</u>
District Sources															
Division 10	457,121	411,510	454,135	268,580	206,005	579,607	783,518	870,931	1,167,494	1,035,563	859,604	1,109,778	991,008	8,737,733	9,194,854
Division 20	546,211	490,023	563,209	378,996	308,237	510,411	583,741	721,533	917,196	880,615	919,807	890,578	859,562	8,023,908	8,570,119
Total	1,003,332	901,533	1,017,344	647,576	514,242	1,090,018	1,367,259	1,592,464	2,084,690	1,916,178	1,779,411	2,000,356	1,850,570	16,761,641	17,764,973
Division 10	45.56%	45.65%	44.64%	41.47%	40.06%	53.17%	57.31%	54.69%	56.00%	54.04%	48.31%	55.48%	53.55%	52.13%	51.76%
Division 20	54.44%	54.35%	55.36%	58.53%	59.94%	46.83%	42.69%	45.31%	44.00%	45.96%	51.69%	44.52%	46.45%	47.87%	48.24%
Total	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
All Sources															
District Sources	1,003,332	901,533	1,017,344	647,576	514,242	1,090,018	1,367,259	1,592,464	2,084,690	1,916,178	1,779,411	2,000,356	1,850,570	16,761,641	17,764,973
C.L.A.W.A.	1,835,348	1,460,575	1,794,720	1,696,003	1,322,968	1,382,554	735,802	512,005	365,749	365,749	723,395	1,148,623	1,148,623	12,656,766	14,492,114
Total Sources	2,838,680	2,362,108	2,812,064	2,343,579	1,837,210	2,472,572	2,103,061	2,104,469	2,450,439	2,281,927	2,502,806	3,148,979	2,999,193	29,418,407	32,257,087
District Sources	35.35%	38.17%	36.18%	27.63%	27.99%	44.08%	65.01%	75.67%	85.07%	83.97%	71.10%	63.52%	61.70%	56.98%	55.07%
C.L.A.W.A.	64.65%	61.83%	63.82%	72.37%	72.01%	55.92%	34.99%	24.33%	14.93%	16.03%	28.90%	36.48%	38.30%	43.02%	44.93%
Total Sources	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

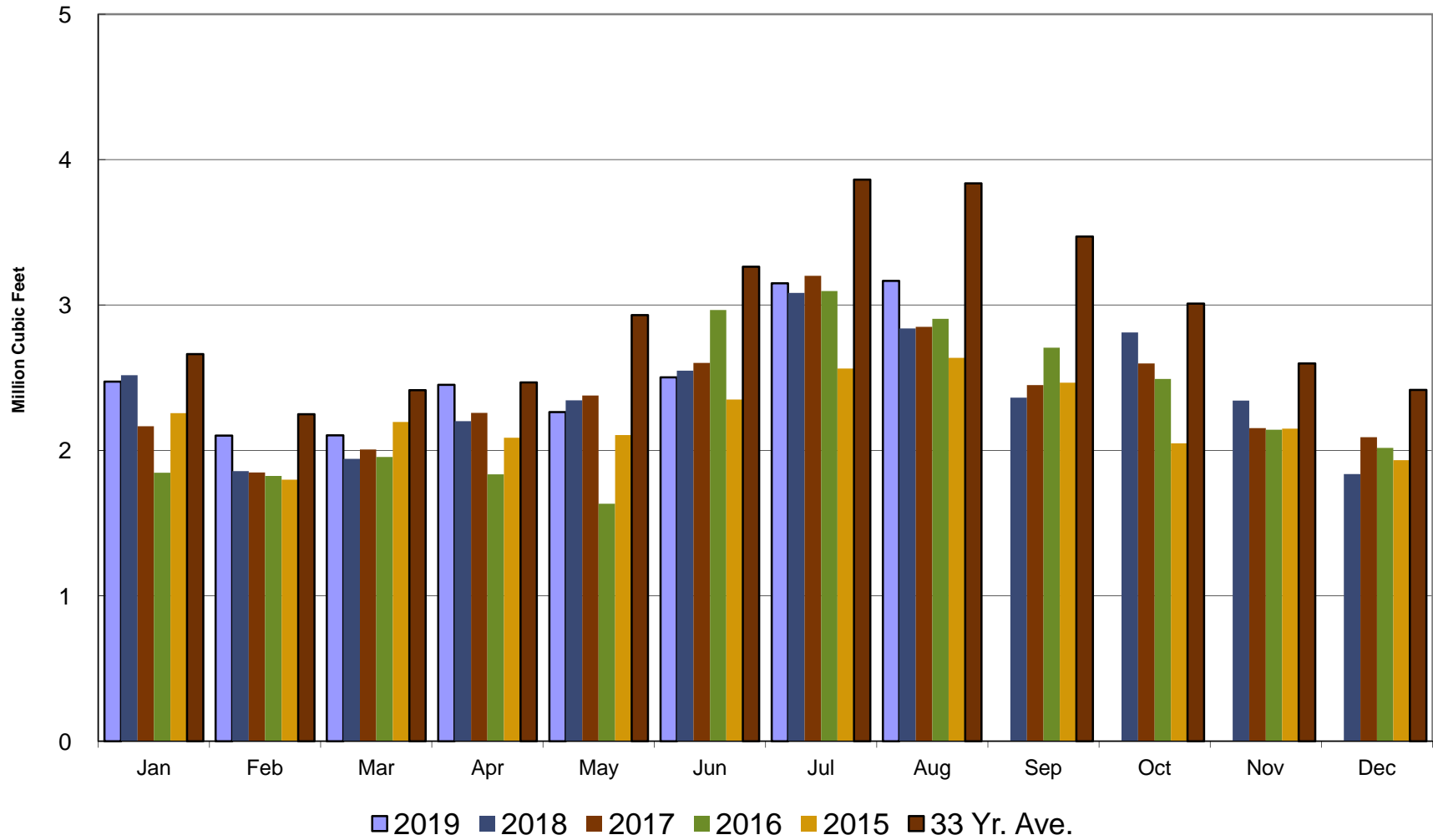
Crestline Village Water District

Water Sources - Last 13 Months



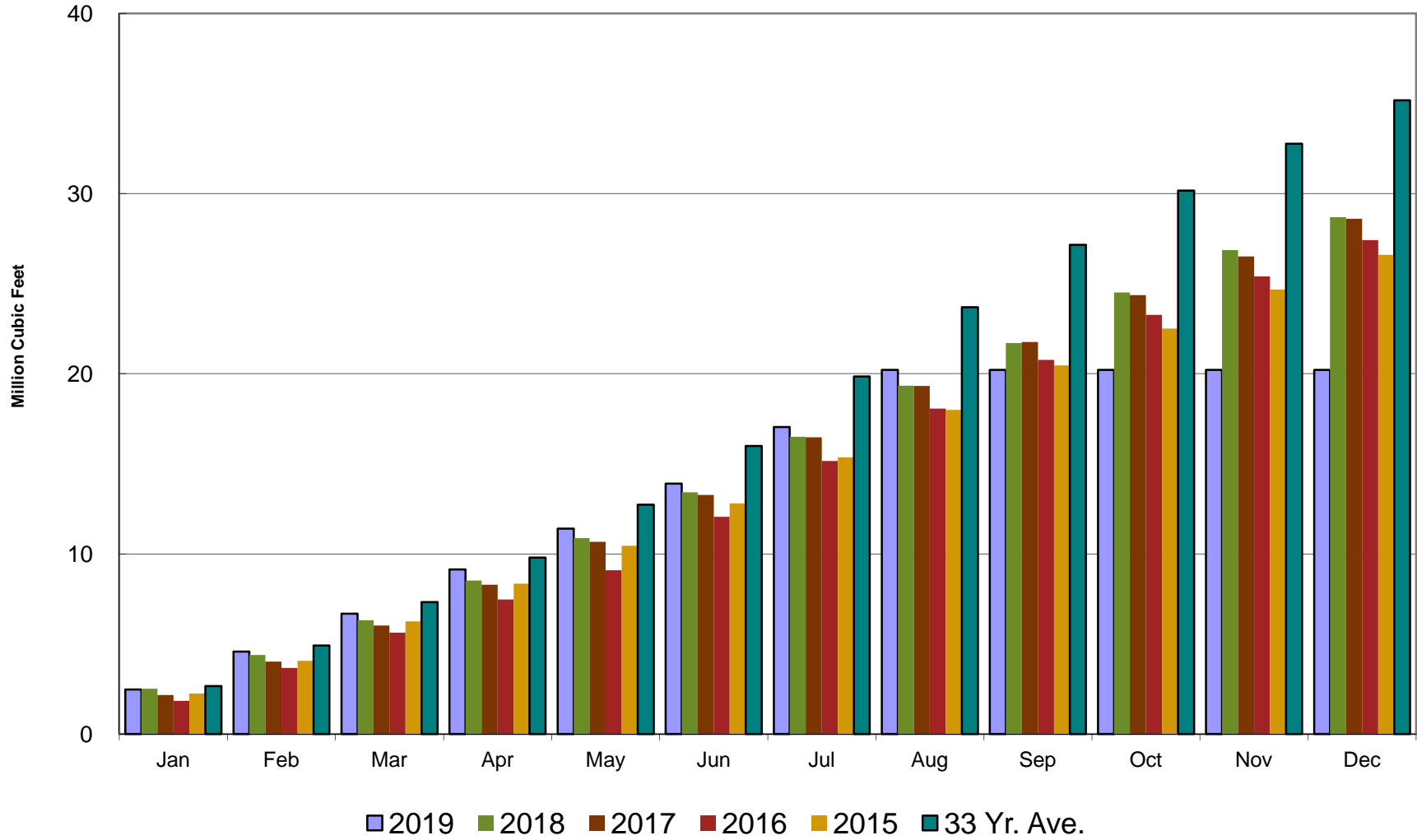
Crestline Village Water District

Total Production by Month



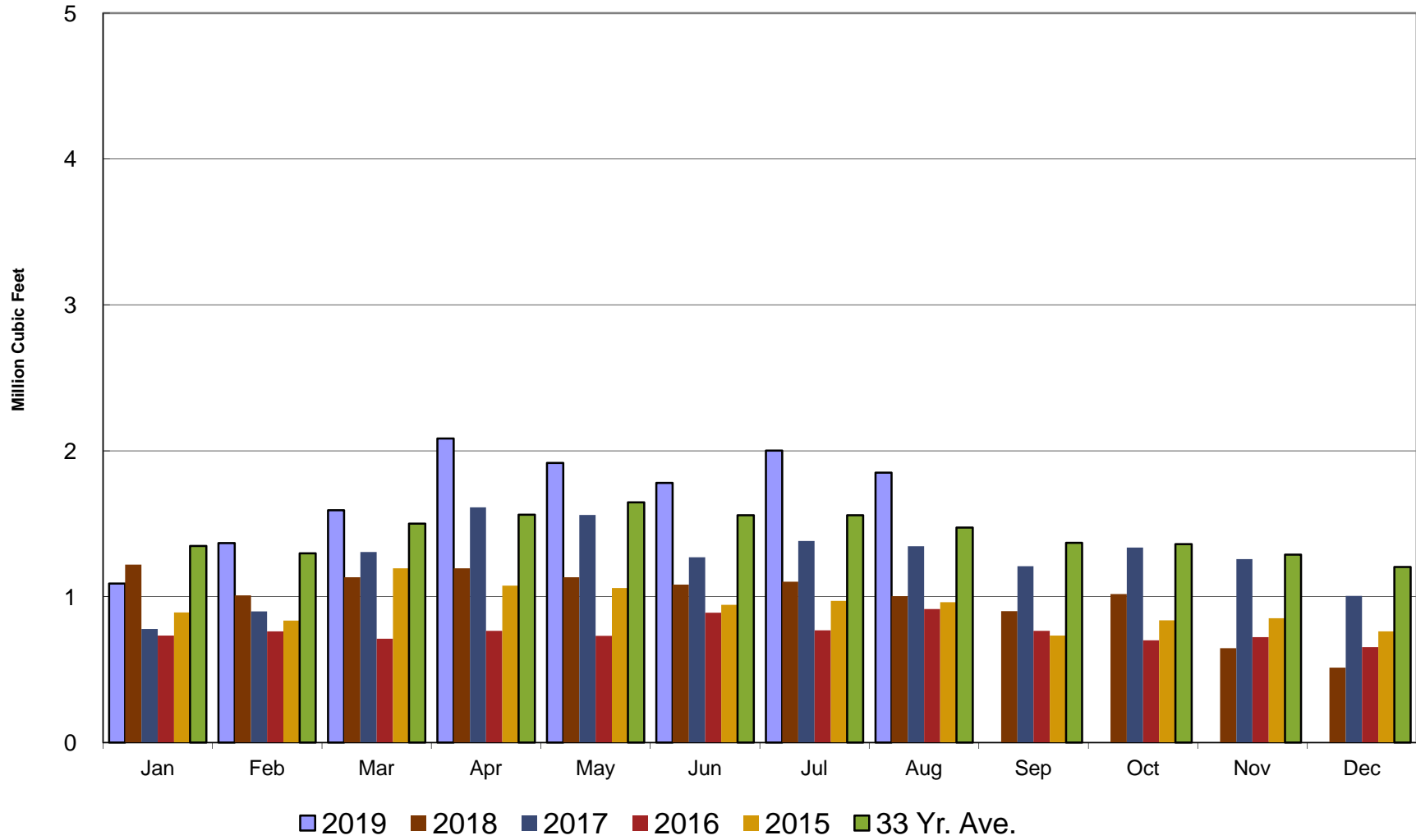
Crestline Village Water District

Total Production Cumulative



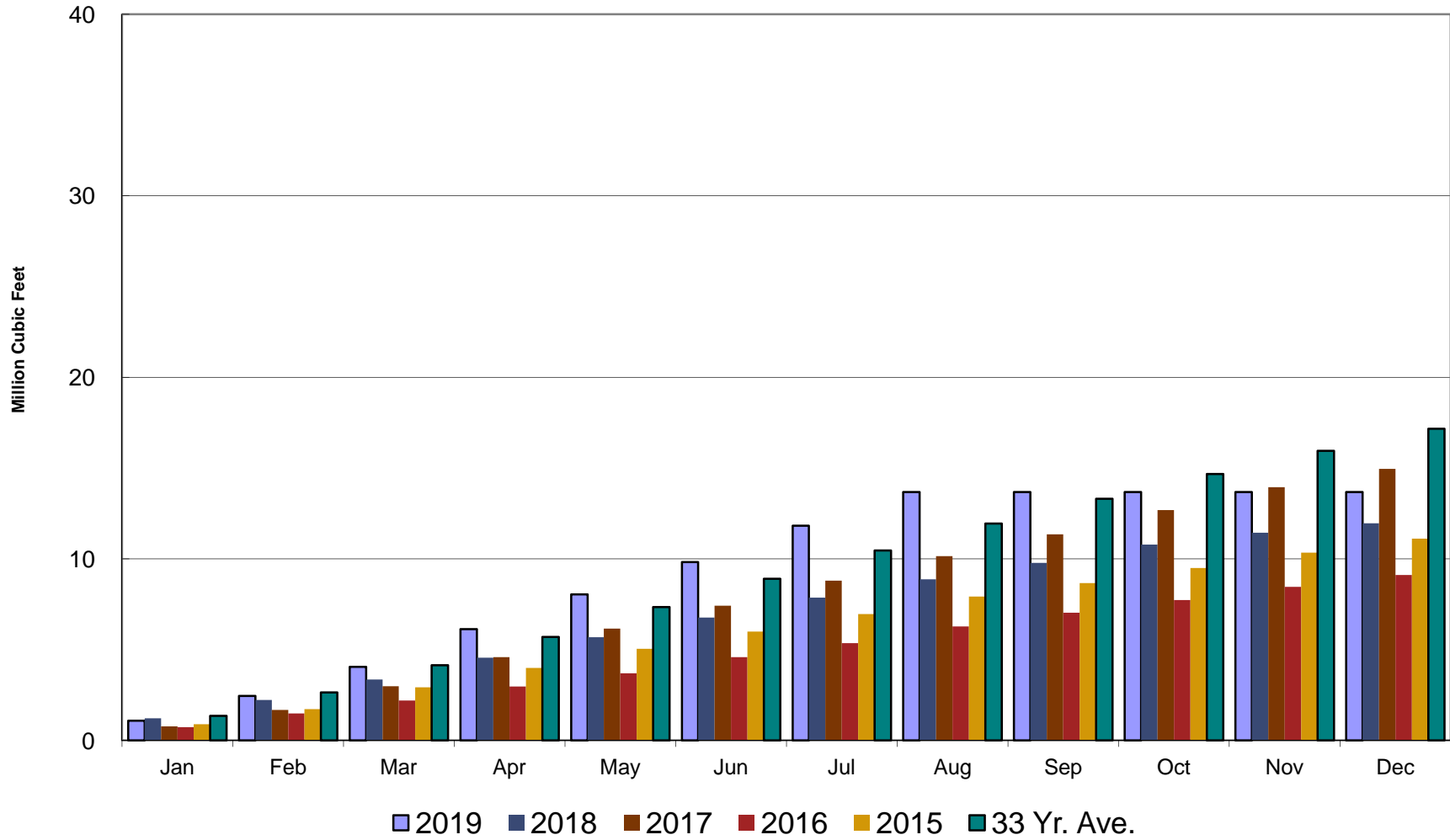
Crestline Village Water District

Well Production by Month



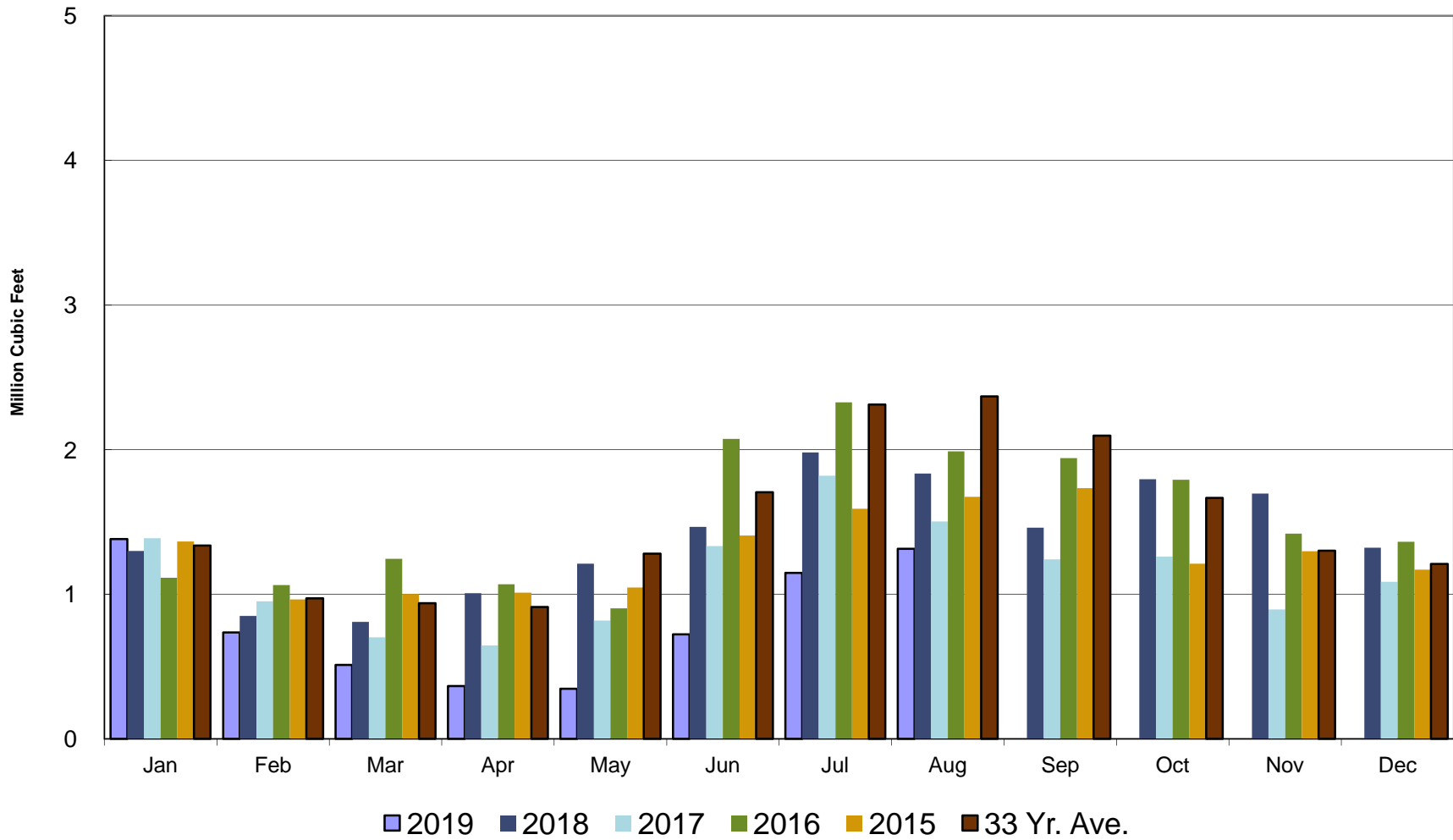
Crestline Village Water District

Well Production Cumulative



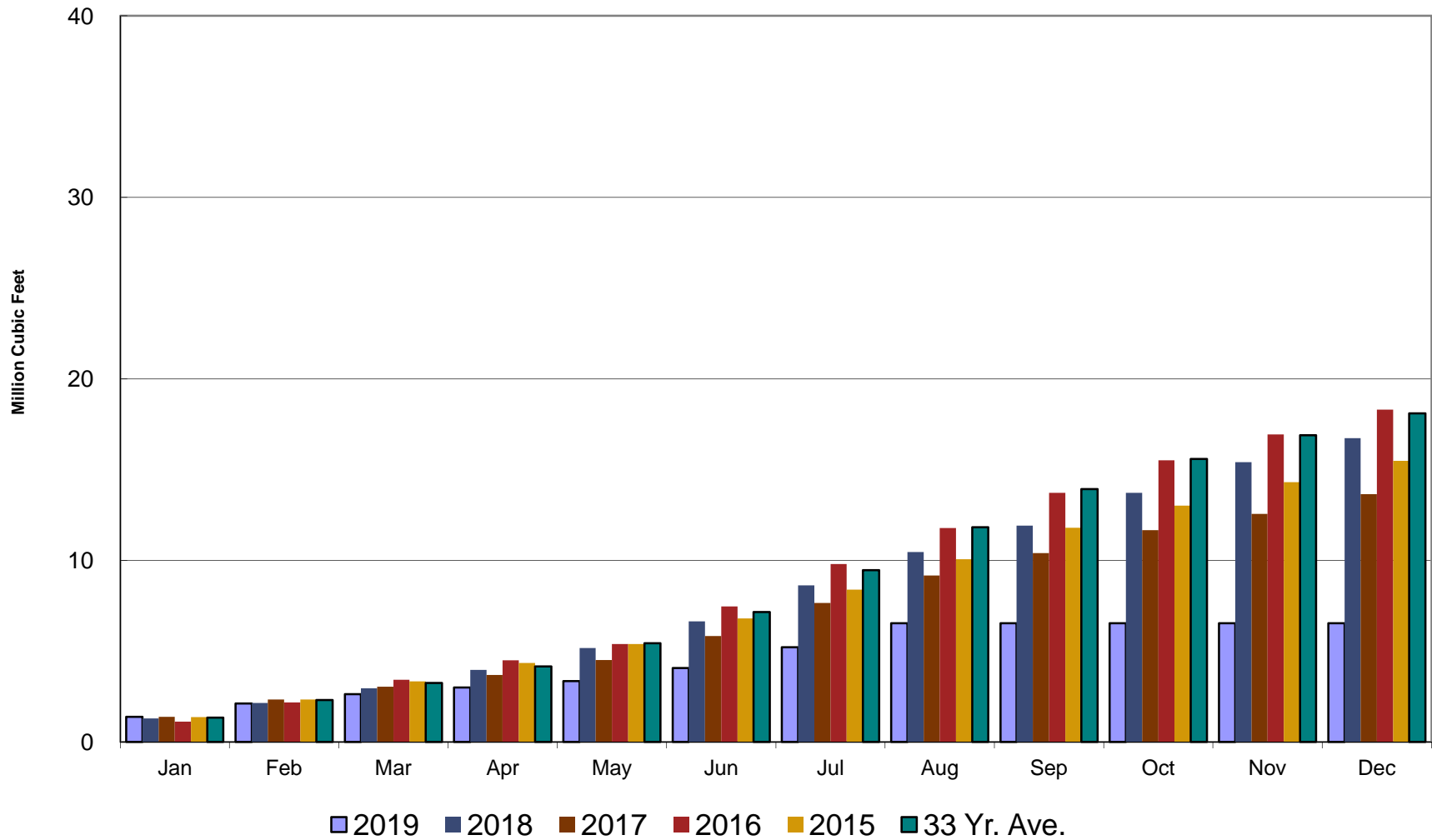
Crestline Village Water District

Purchased Water by Month



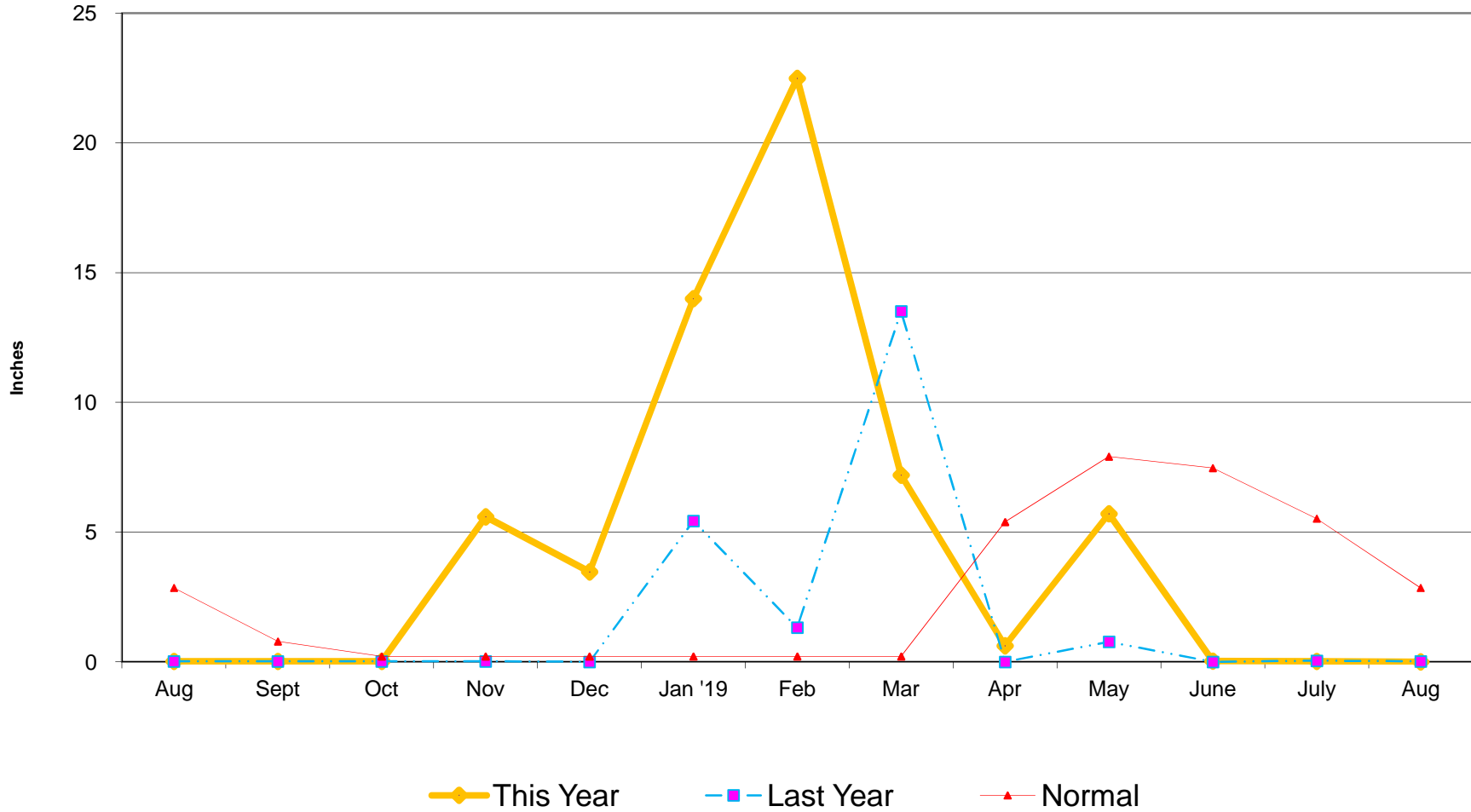
Crestline Village Water District

Purchased Water Cumulative



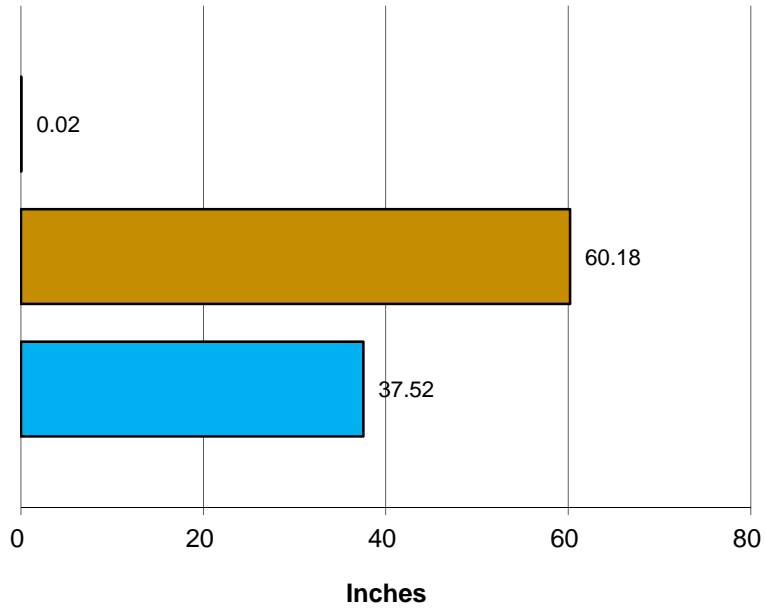
Crestline Village Water District

Rainfall - Last 13 Months



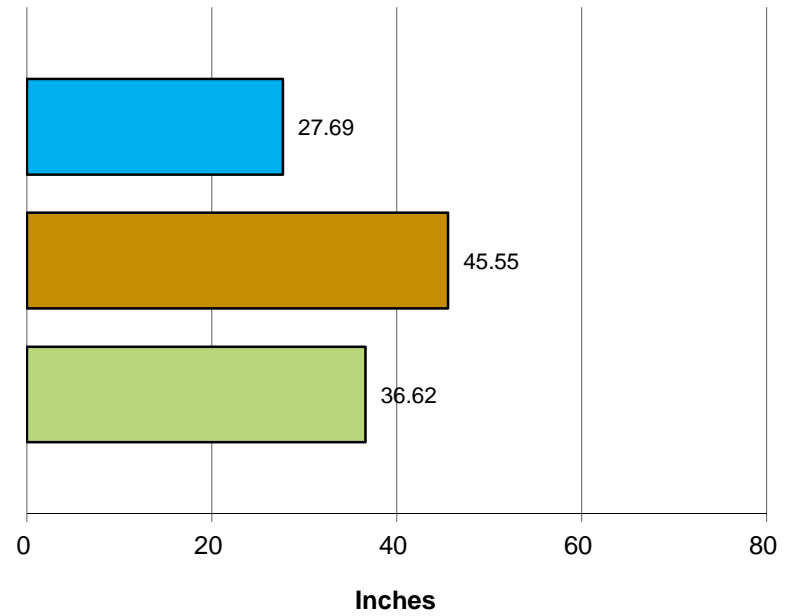
Crestline Village Water District

**Total Rainfall
July 1, 2018 to
Beginning of Current Month**



■ This Year ■ Last Year ■ Normal

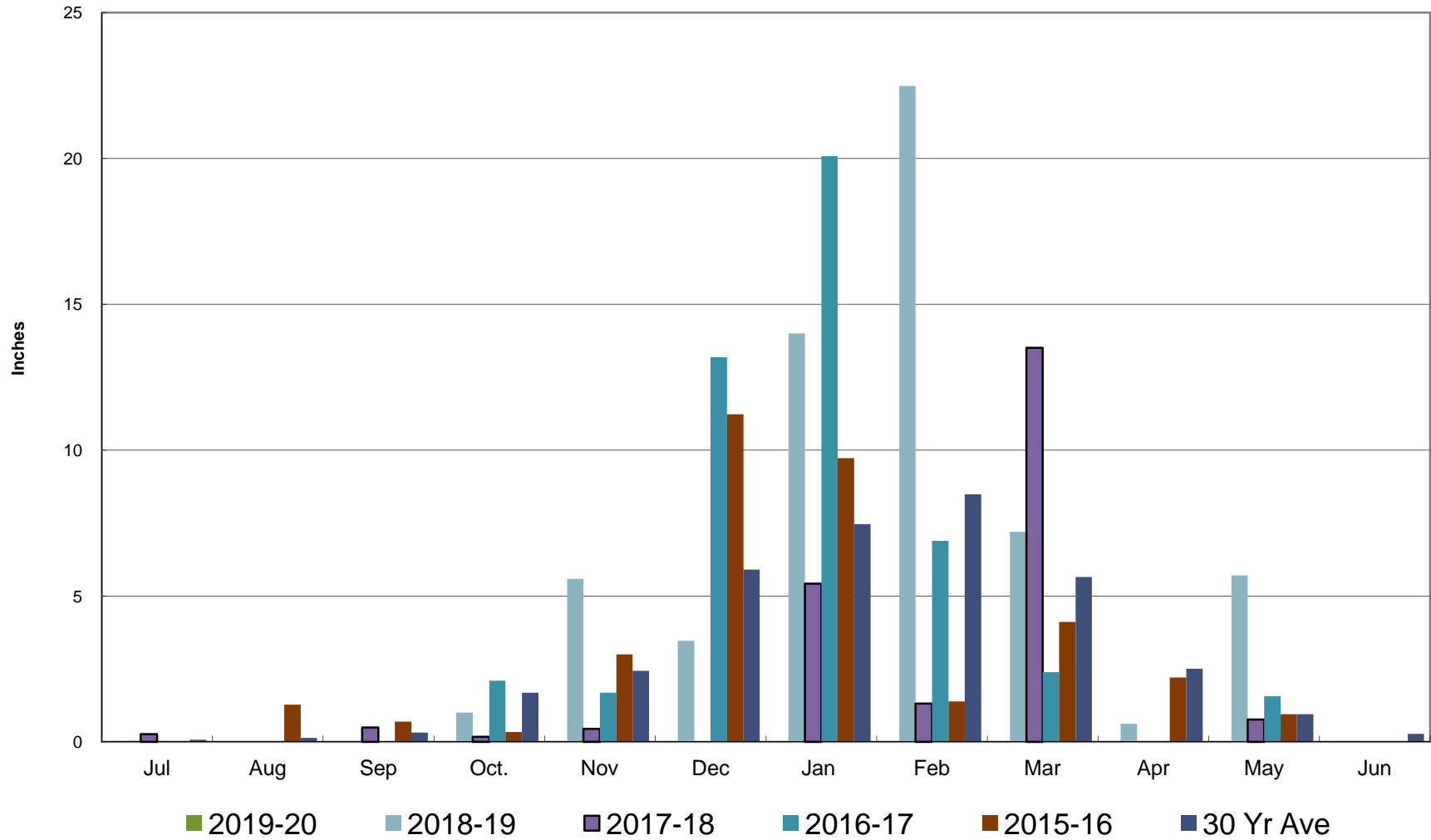
**Total Rainfall
Last 12 Months**



■ This Year ■ Last Year ■ Normal

Crestline Village Water District

Rainfall by Month



Crestline Village Water District

Rainfall Cumulative

