

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

10/22/19

	Sept	Oct	Nov	Dec	Jan '19	Feb	Mar	Apr	May	June	July	Aug	Sept	Total
Sources of Supply														
Wells	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	1,733,973	18,495,614
Purchased Water	1,460,575	1,794,720	1,696,003	1,322,968	1,382,554	735,802	512,005	365,749	347,887	723,395	1,148,623	1,315,362	1,162,554	13,968,197
Adjustment to Wells *	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Water Supplied	2,362,108	2,812,064	2,343,579	1,837,210	2,472,572	2,103,061	2,104,469	2,450,439	2,264,065	2,502,806	3,148,979	3,165,932	2,896,527	32,463,811
Water Used **														
Metered Accounts	Estimated													
Crestline Area	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	1,400,683	13,815,524
Lake Gregory Area	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	1,434,700	15,476,631
Change in Storage	(19,875)	(26,874)	21,586	(5,521)	(1,686)	(25,298)	(4,370)	17,247	19,940	27,725	(12,156)	(5,495)	15,748	971
Flushing, System & Other	14,633	26,097	28,303	14,439	14,439	14,439	14,947	29,877	18,885	16,246	16,246	15,408	14,484	238,444
Accounted for Water	2,439,894	2,481,599	2,146,868	1,743,335	2,308,392	1,891,321	1,871,660	2,103,438	2,083,866	2,061,928	2,769,643	2,764,010	2,865,615	29,531,570
System Loss (CF)	(77,786)	330,465	196,711	93,875	164,180	211,740	232,809	347,001	180,199	440,878	379,336	401,922	30,912	2,932,241
System Loss (%)	-3.3%	11.8%	8.4%	5.1%	6.6%	10.1%	11.1%	14.2%	8.0%	17.6%	12.0%	12.7%	1.1%	9.0%
System Loss (GPM)	(14.4)	52.0	34.1	18.8	24.4	37.9	41.7	56.3	30.2	81.8	59.7	69.6	5.2	41.7
Month to Month Averaging ***														
System Loss (CF)	(38,893)	126,339	263,588	145,293	129,028	187,960	222,275	289,905	263,600	310,539	410,107	390,629	216,417	2,916,787
System Loss (%)	-1.6%	4.2%	10.1%	6.8%	5.9%	8.4%	10.6%	12.6%	11.1%	12.8%	14.8%	12.4%	6.9%	9.0%
System Loss (GPM)	(7.2)	18.8	43.0	26.4	21.6	31.1	39.8	49.0	43.3	56.0	70.8	64.7	37.4	41.5
Estimated Uses														
Known leaks - Est. loss	1,335	38,225	568	2,589	622	1,633	814	429	1,440	2,138	429	14,338	1,148	65,708
Total Estimated Uses	1,335	38,225	568	2,589	622	1,633	814	429	1,440	2,138	429	14,338	1,148	65,708
Unaccounted for Water (CF)	(79,121)	292,240	196,143	91,286	163,558	210,107	231,995	346,572	178,759	438,740	378,907	387,584	29,764	2,866,533
Unaccounted For (%)	-3.4%	10.4%	8.4%	5.0%	6.6%	10.0%	11.0%	14.1%	7.9%	17.5%	12.0%	12.2%	1.0%	8.8%
Unaccounted For (GPM)	(14.7)	46.0	34.0	18.2	24.3	37.6	41.6	56.3	30.0	81.4	59.6	67.1	5.0	40.8
Number of Days in Period	28	33	30	26	35	29	29	32	31	28	33	30	31	365

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

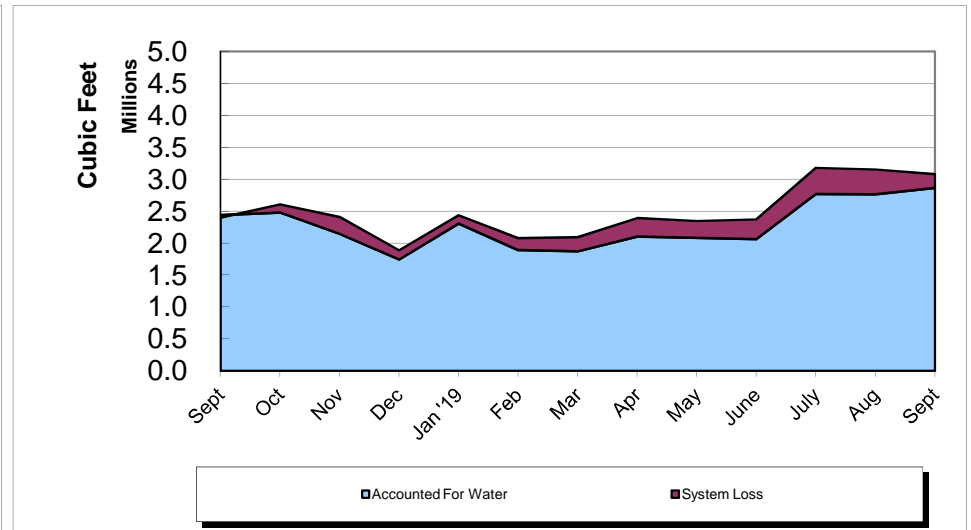
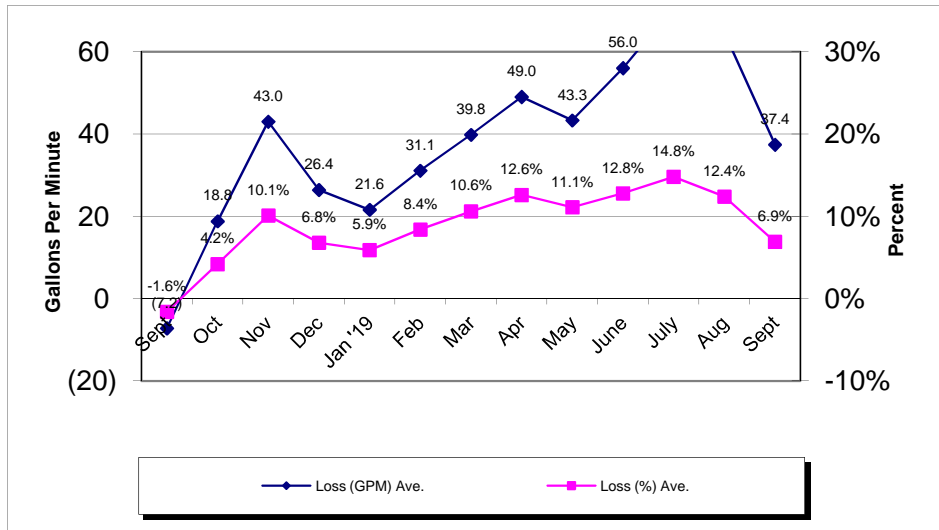
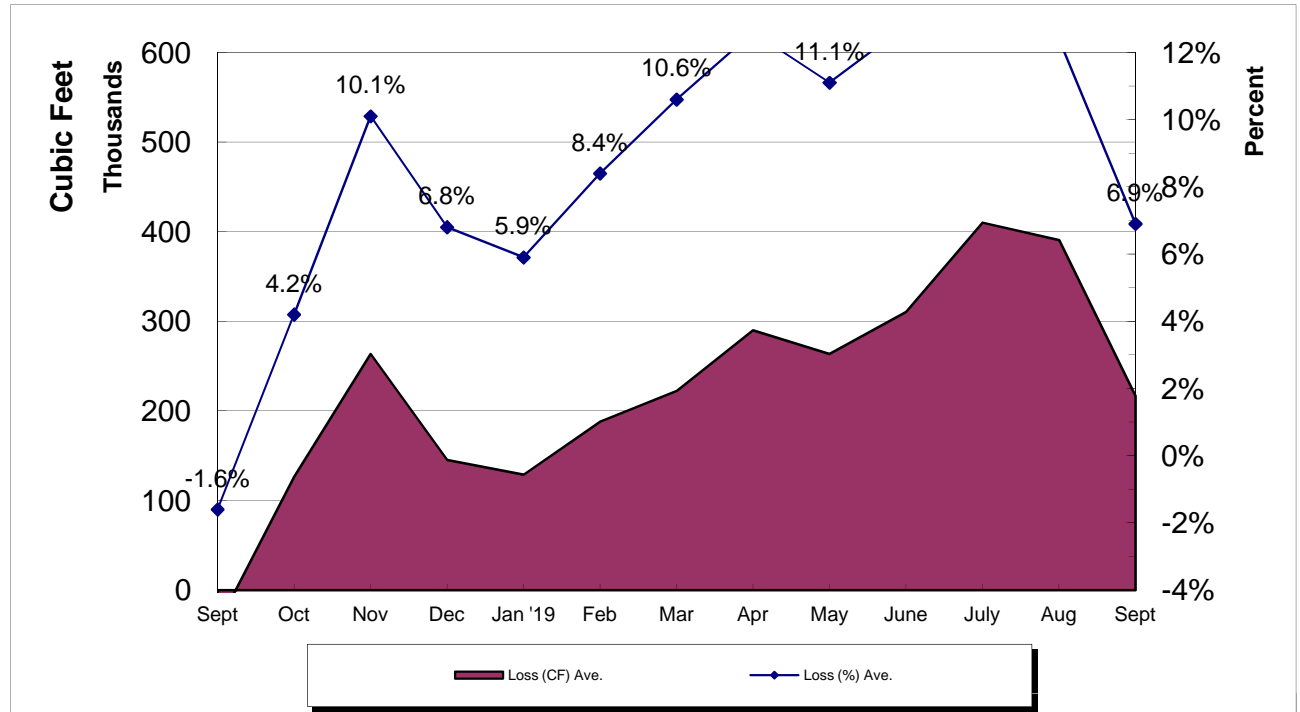
*** - Month to Month averaging averages the System Loss for each period with the immediately prior period for trending purposes.

System Loss Costs	This Month	Average
Cost of System Loss:	\$5,713	\$5,923
Cost of 5% System Loss:	3,823	3,296
Amount above (below) 5% System Loss	\$1,890	\$2,627
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: 09/30/19

For Month of: September 2019

Water Storage (Gal)	Capacity	Gallons/ Foot	Level (FT)	Current Storage	% of Capacity
Beacon I & II	385,354	16,752	19.22	321,973	83.55%
Saxon	337,674	14,681	16.74	245,760	72.78%
Pinecrest I & II	2,063,492	54,302	32.72	1,776,761	86.10%
Zurich	380,500	18,789	16.31	306,449	80.54%
Lakeview	1,230,212	27,955	38.60	1,079,063	87.71%
Old Mill	705,900	27,151	22.27	604,653	85.66%
Barn	444,443	19,752	17.77	350,993	78.97%
Wilson	983,681	33,915	25.62	868,902	88.33%
Chillon	337,674	14,679	17.49	256,736	76.03%
Brookside	748,067	28,772	23.31	670,675	89.65%
Chamois	1,026,532	39,482	21.88	863,866	84.15%
Total	8,643,529		251.93	7,345,831	84.99%

WELLS	Production M-T-D (Cubic Feet)	Status
Altdorf	66,124	On
Pioneer-2	53,115	On
Pioneer-1	60,335	On
Old Mill Springs	710	On
Maple Springs	76,131	On
Willow Springs	85,690	On
Brookside Springs	38,890	On
Hillside Springs	0	Off
Pinecrest 1 & 2	2,869	On
Pinecrest Vertical	188,037	On
Cypress Vertical	134,150	On
Anderson Vertical	157,146	On
Wilson Springs 1 & 2	199,875	On
Wilson Vertical	154,713	On
Felsen Vertical	173,107	On
Horst	148,327	On
Jewel 64	65,197	On
Cathcart	35,441	On
Bergschrund	40,466	On
Chamois	0	Off
Chamois Vertical	53,650	On
	0	0
	0	0
	0	0
Lewter	0	Off
Total	1,733,973	

C.L.A.W.A.	FLOWS - GPM				Production M-T-D (Cubic Feet)
	Timed	Requested	Variance	% Variance	
CF - Crestline	51	50	1	2.00%	299,465
Mile High 2"	0	0	0	0.00%	0
Mile High 4"	24	0	24	0.00%	327,807
Pinecrest 2"	0	0	0	0.00%	107
Pinecrest 4"	37	30	7	23.33%	472,995
Lake Drive 2"	0	0	0	0.00%	32,233
Lake Drive 4"	0	0	0	0.00%	0
Camp Seely	22	0	22	0.00%	29,947
Total	112	80	32	40.00%	1,162,554

August Purchases	GPM	Cubic Feet	Wells	GPM	Cubic Feet
Last Year M-T-D:	280.6	1,674,597		161.1	961,431
Actual M-T-D:	194.8	1,162,554		290.6	1,733,973
Over/(Under) Last Year:	(85.8)	(512,043.0)		129.5	772,542.0

Total	GPM	Cubic Feet
Last Year M-T-D:	441.7	2,636,028
Actual M-T-D:	485.4	2,896,527
Over/(Under) Last Year:	43.7	260,499.0

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

10/15/19

Source Name	September '18	October	November	December	January '19	February	March	April	May	June	July	August	September	Last 12 Months	13 Months
Division 10															
Altdorf	50,276	57,499	52,454	47,759	126,854	74,147	84,122	135,433	106,117	95,034	110,795	82,955	66,124	1,039,293	1,089,569
Pioneer #2	32,431	34,522	34,254	29,535	69,148	36,529	41,330	54,527	53,461	47,897	56,812	51,594	53,115	562,724	595,155
Pioneer #1	24,984	28,677	26,174	26,207	83,753	43,705	78,743	65,777	59,978	57,997	55,460	61,312	60,335	648,118	673,102
Old Mill Springs	18,150	19,720	17,030	14,640	41,440	157,130	160,400	161,030	95,600	81,690	77,620	38,960	710	865,970	884,120
Maple Springs	10,086	12,083	7,992	8,878	16,633	60,981	63,579	112,862	95,089	81,843	96,864	87,918	76,131	720,853	730,939
Willow Springs	10,980	10,640	9,350	7,290	20,510	72,610	114,640	129,020	113,180	96,050	105,860	90,630	85,690	855,470	866,450
Brookside Springs	7,490	8,950	7,710	6,960	23,930	68,590	96,930	94,400	73,920	15,360	85,470	46,070	38,890	567,180	574,670
Hillside Springs	5,110	5,170	4,440	3,600	8,310	22,470	13,160	0	0	0	0	0	0	57,150	62,260
Pinecrest	33,510	36,060	29,420	23,660	59,270	73,100	87,250	61,600	53,350	33,700	29,330	25,650	2,869	515,259	548,769
Pinecrest Vertical	80,890	91,620	32,520	0	0	0	0	184,601	224,054	203,051	241,416	210,285	188,037	1,375,584	1,456,474
Cypress Vertical	81,550	93,080	6,610	0	36,630	80,750	0	0	0	0	78,500	145,210	134,150	574,930	656,480
Anderson Vertical	56,053	56,114	40,626	37,476	93,129	93,506	130,777	168,244	160,814	146,982	171,651	150,424	157,146	1,406,889	1,462,942
Division 10 Totals	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	863,197	9,189,420	9,600,930
Division 20															
Wilson Springs #1 & 2	70,662	79,147	72,247	60,379	142,223	95,329	144,060	194,650	193,324	179,547	222,598	199,414	199,875	1,782,793	1,853,455
Wilson Vertical	111,578	134,176	119,521	105,890	32,394	119,562	123,600	171,753	167,427	142,610	132,012	165,480	154,713	1,569,138	1,680,716
Felsen Vertical	138,994	159,450	19,987	0	0	143,972	142,093	180,968	175,083	159,480	187,446	169,819	173,107	1,511,405	1,650,399
Horst	39,333	44,707	38,440	32,102	74,894	44,247	92,240	138,846	142,356	130,505	155,235	126,761	148,327	1,168,660	1,207,993
Jewell No. 64	59,385	66,035	59,146	51,645	124,560	76,085	90,327	90,056	83,396	235,156	86,306	76,683	65,197	1,104,592	1,163,977
Cathcart	17,865	20,012	17,587	14,716	36,042	29,173	41,344	43,429	36,838	30,811	36,070	29,349	35,441	370,812	388,677
Bergschrund	7,186	7,452	5,838	4,385	10,838	29,053	42,449	48,474	47,111	41,698	47,841	39,496	40,466	365,101	372,287
Chamois	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chamois Vertical	45,020	52,230	46,230	39,120	89,460	46,320	45,420	49,020	35,080	0	23,070	52,560	53,650	532,160	577,180
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	490,023	563,209	378,996	308,237	510,411	583,741	721,533	917,196	880,615	919,807	890,578	859,562	870,776	8,404,661	8,894,684
Total District Sources	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	1,733,973	17,594,081	18,495,614
C.L.A.W.A.															
Crest Forest 6"	276,471	465,508	347,861	299,599	409,759	113,235	95,187	20,187	20,187	0	0	0	299,465	2,070,988	2,347,459
Mile High Park 2"	186,511	304,211	239,853	204,786	273,463	49,973	43,182	0	0	0	0	0	0	1,115,468	1,301,979
Mile High Park 4"	0	0	0	0	0	0	0	0	0	170,588	249,064	249,064	327,807	996,523	996,523
Pinecrest 2"	0	0	0	0	0	0	137,807	261,070	261,070	0	0	0	107	660,054	660,054
Pinecrest 4"	839,171	853,610	1,108,289	818,583	699,332	572,594	235,829	0	0	527,807	706,016	706,016	472,995	6,701,071	7,540,242
Lake Drive 2"	0	0	0	0	0	0	0	0	0	0	141,003	141,003	32,233	314,239	314,239
Lake Drive 4"	158,422	60,428	0	0	0	0	0	0	0	0	0	0	0	60,428	218,850
Camp Seely	0	110,963	0	0	0	0	0	84,492	84,492	25,000	52,540	52,540	29,947	439,974	439,974
C.L.A.W.A. Totals	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	1,162,554	12,358,745	13,819,320
Grand Totals	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	2,896,527	29,952,826	32,314,934

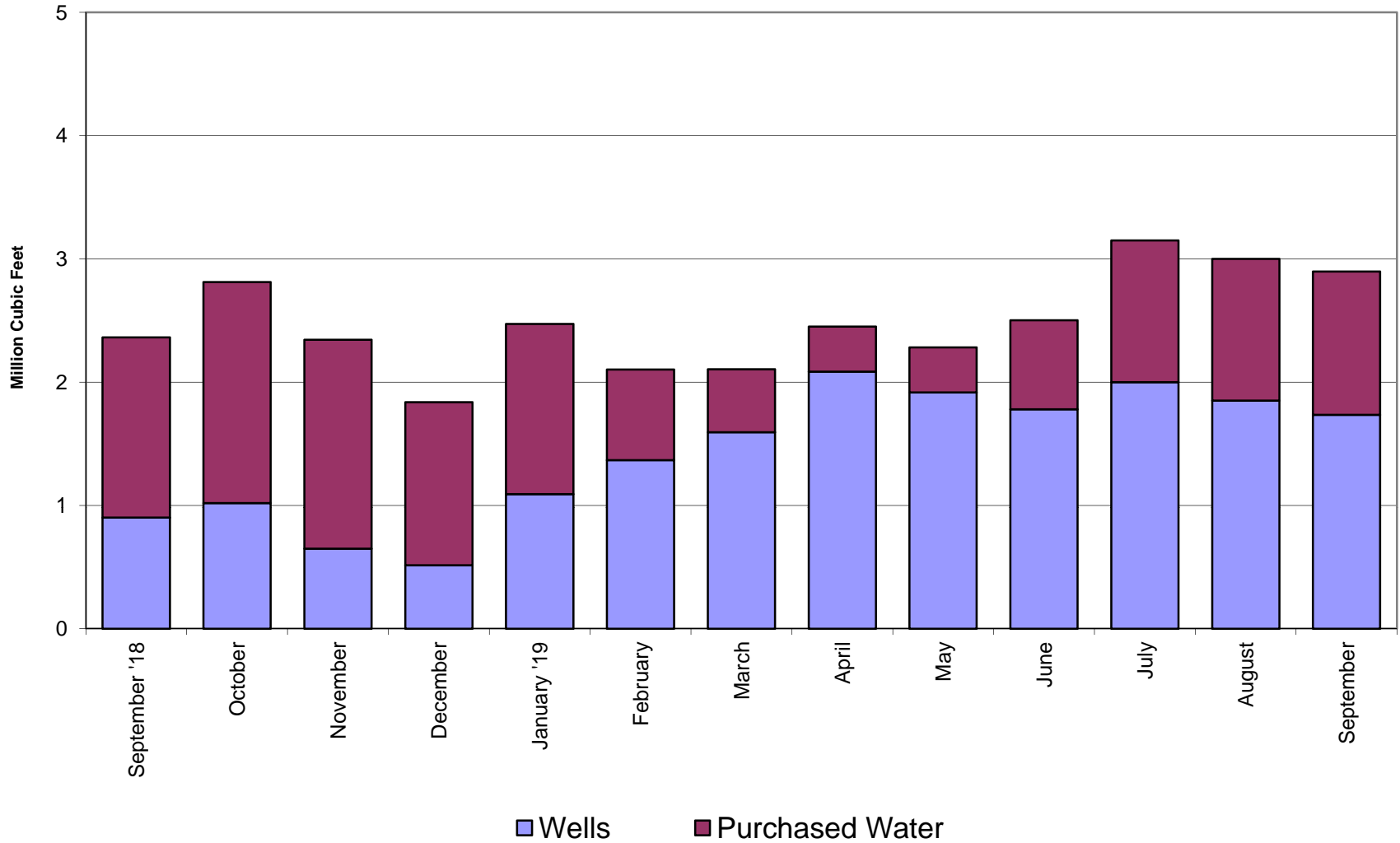
**Crestline Village Water District
Source of Supply Production Report
Cubic Feet
Last 13 Months**

10/15/19

<u>Source Name</u>	<u>September '18</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>September</u>	<u>Last 12 Months</u>	<u>13 Months</u>
District Sources															
Division 10	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	863,197	9,189,420	9,600,930
Division 20	490,023	563,209	378,996	308,237	510,411	583,741	721,533	917,196	880,615	919,807	890,578	859,562	870,776	8,404,661	8,894,684
Total	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	1,733,973	17,594,081	18,495,614
Division 10	45.65%	44.64%	41.47%	40.06%	53.17%	57.31%	54.69%	56.00%	54.04%	48.31%	55.48%	53.55%	49.78%	52.23%	51.91%
Division 20	54.35%	55.36%	58.53%	59.94%	46.83%	42.69%	45.31%	44.00%	45.96%	51.69%	44.52%	46.45%	50.22%	47.77%	48.09%
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	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	1,733,973	17,594,081	18,495,614
C.L.A.W.A.	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	1,162,554	12,358,745	13,819,320
Total Sources	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	2,896,527	29,952,826	32,314,934
District Sources	38.17%	36.18%	27.63%	27.99%	44.08%	65.01%	75.67%	85.07%	83.97%	71.10%	63.52%	61.70%	59.86%	58.74%	57.24%
C.L.A.W.A.	61.83%	63.82%	72.37%	72.01%	55.92%	34.99%	24.33%	14.93%	16.03%	28.90%	36.48%	38.30%	40.14%	41.26%	42.76%
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%

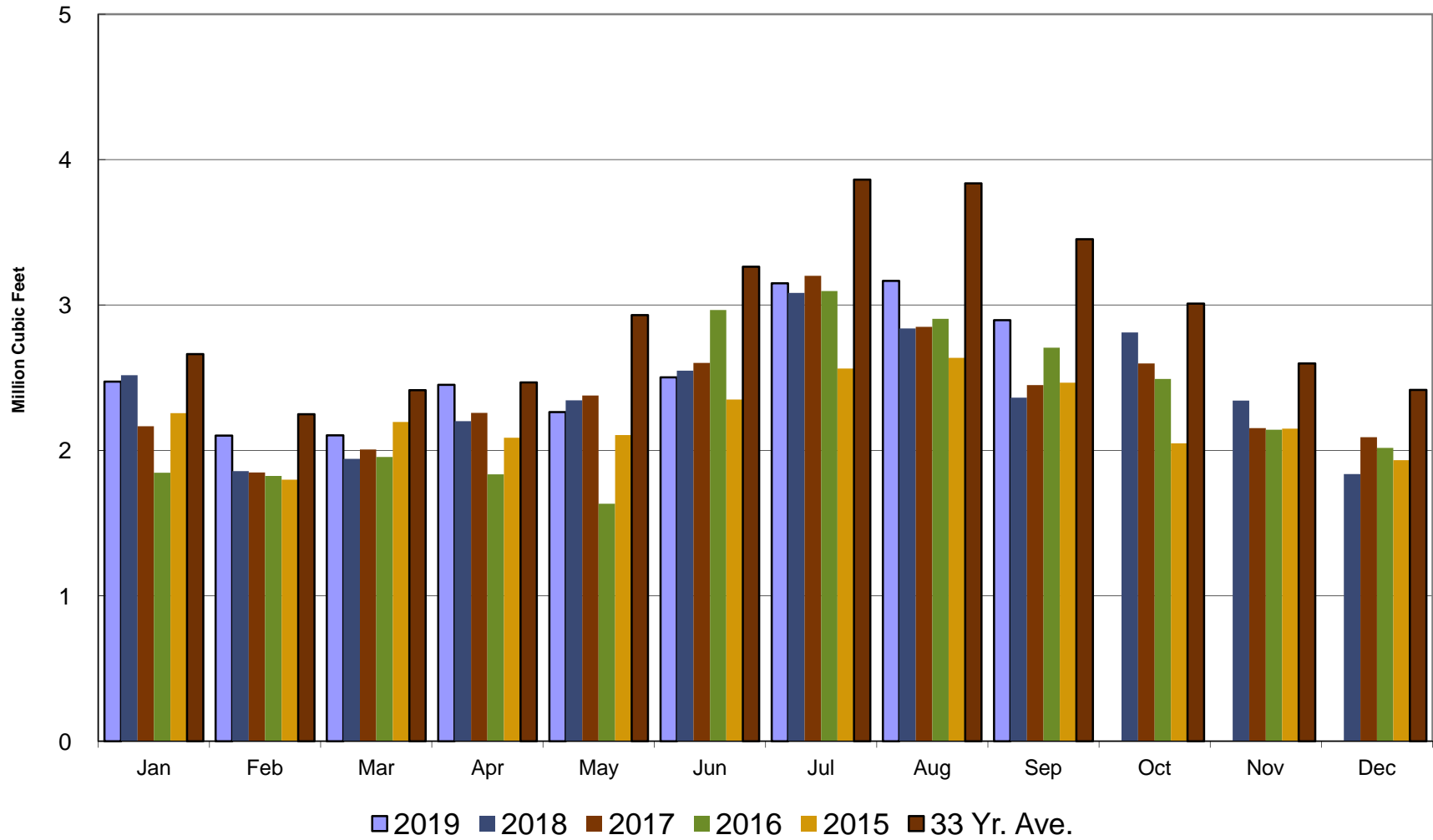
Crestline Village Water District

Water Sources - Last 13 Months



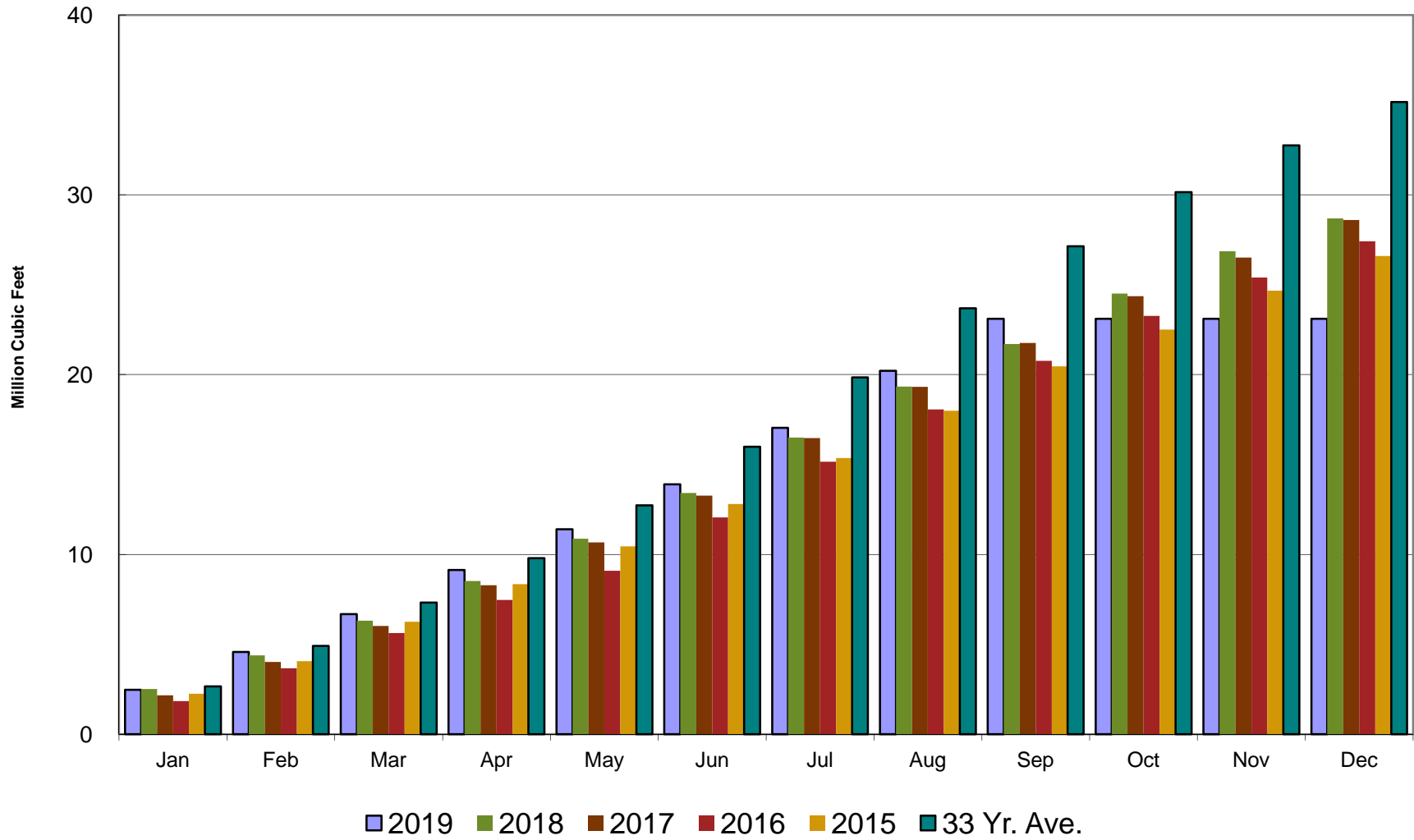
Crestline Village Water District

Total Production by Month



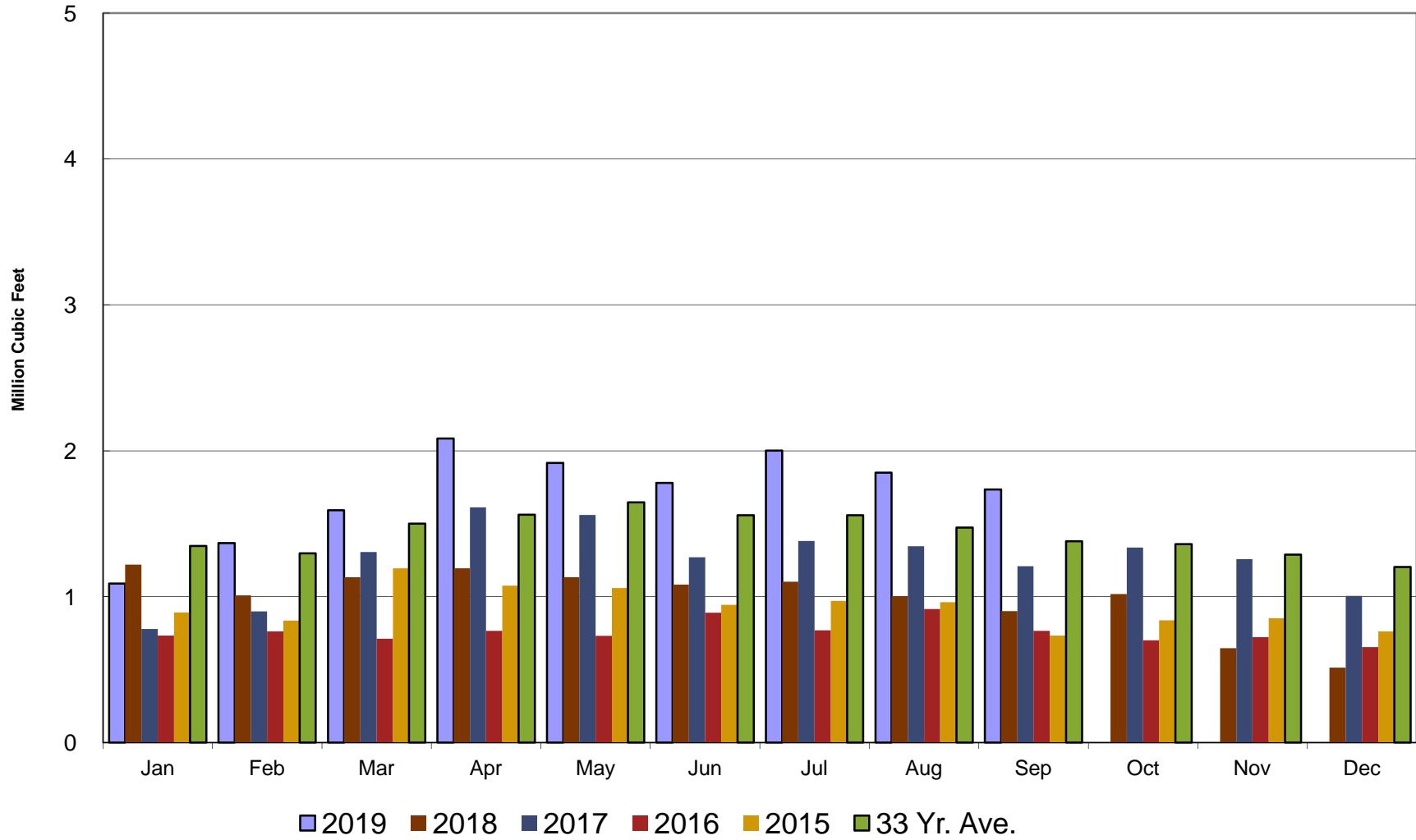
Crestline Village Water District

Total Production Cumulative



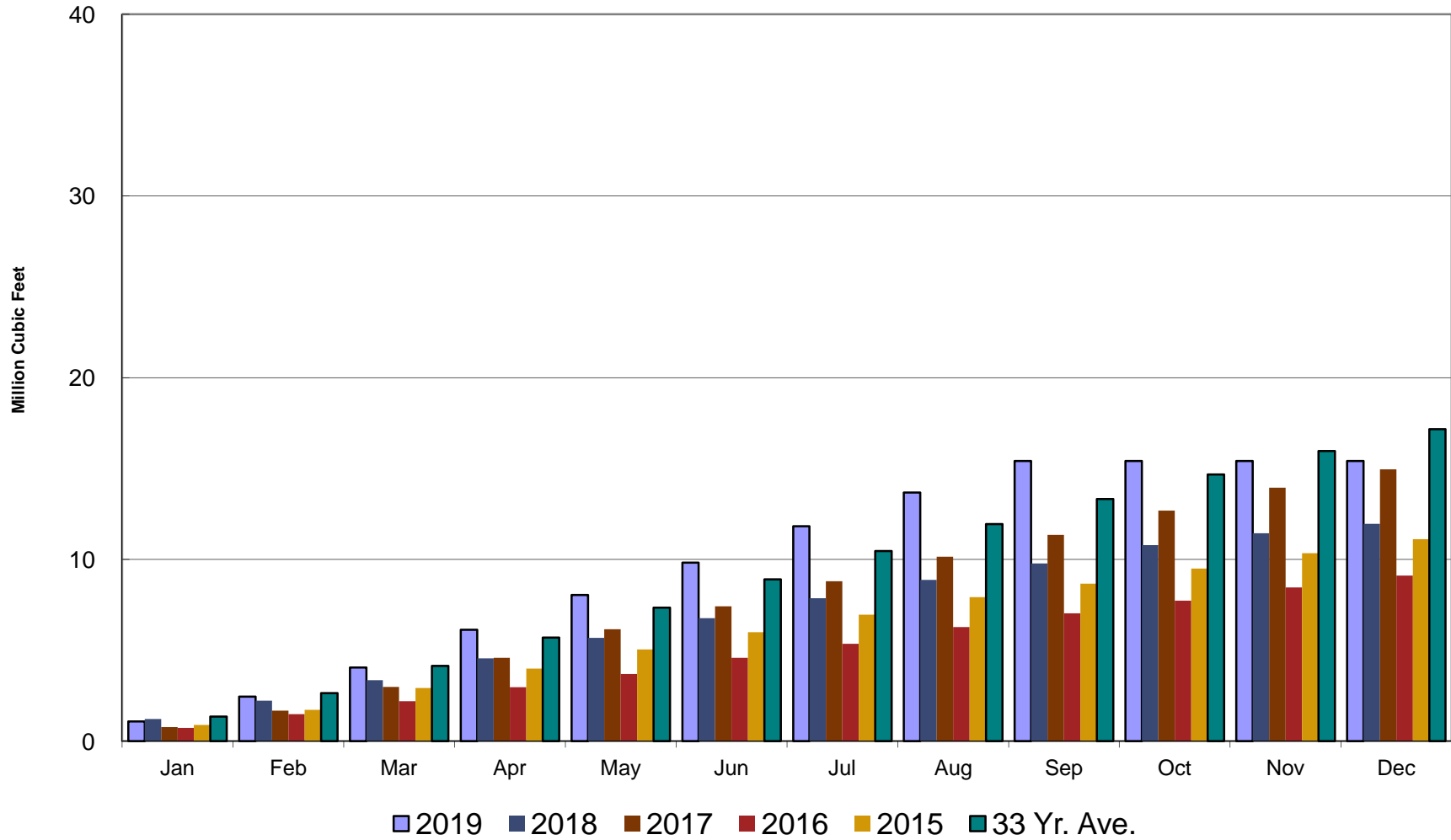
Crestline Village Water District

Well Production by Month



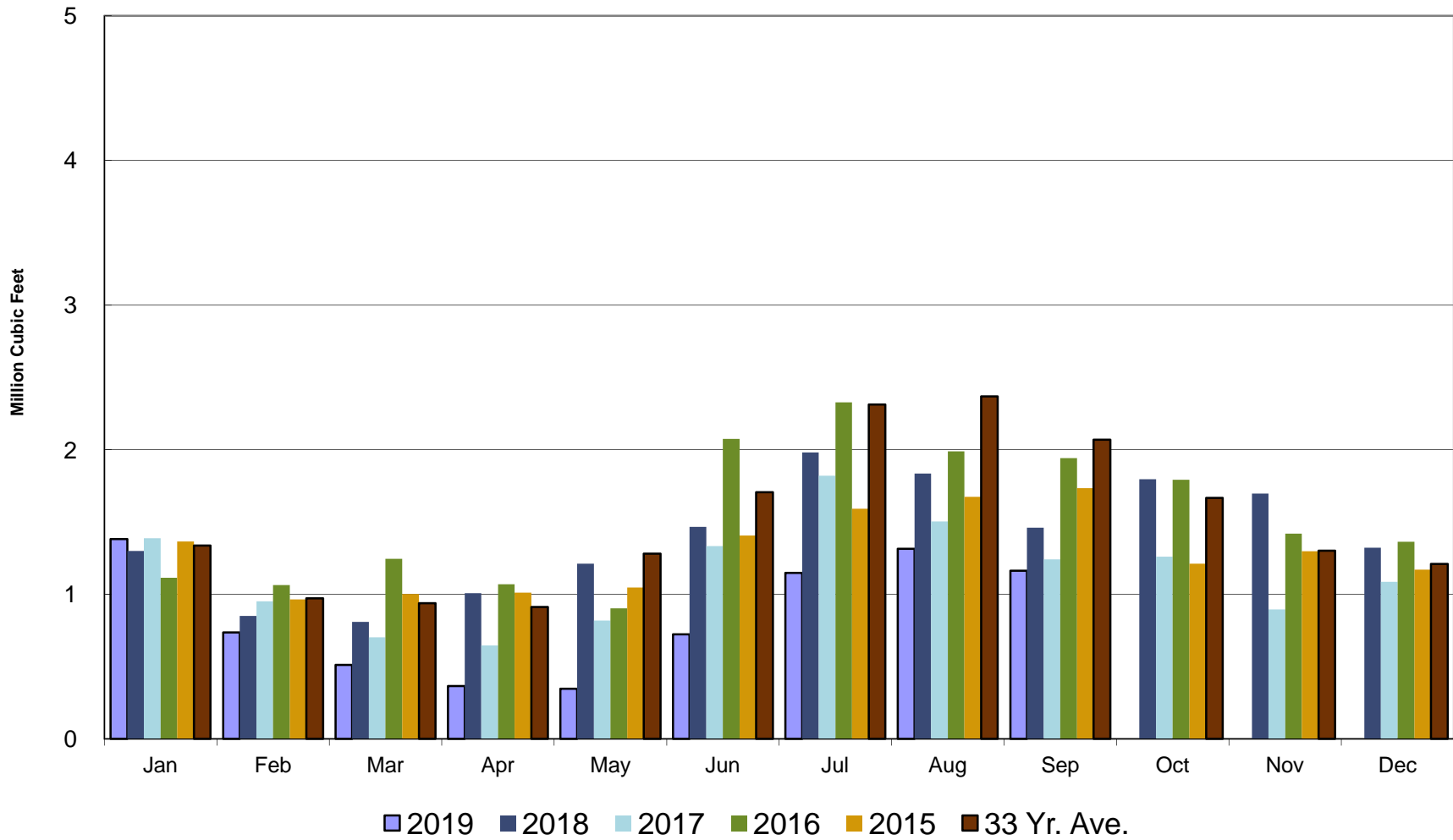
Crestline Village Water District

Well Production Cumulative



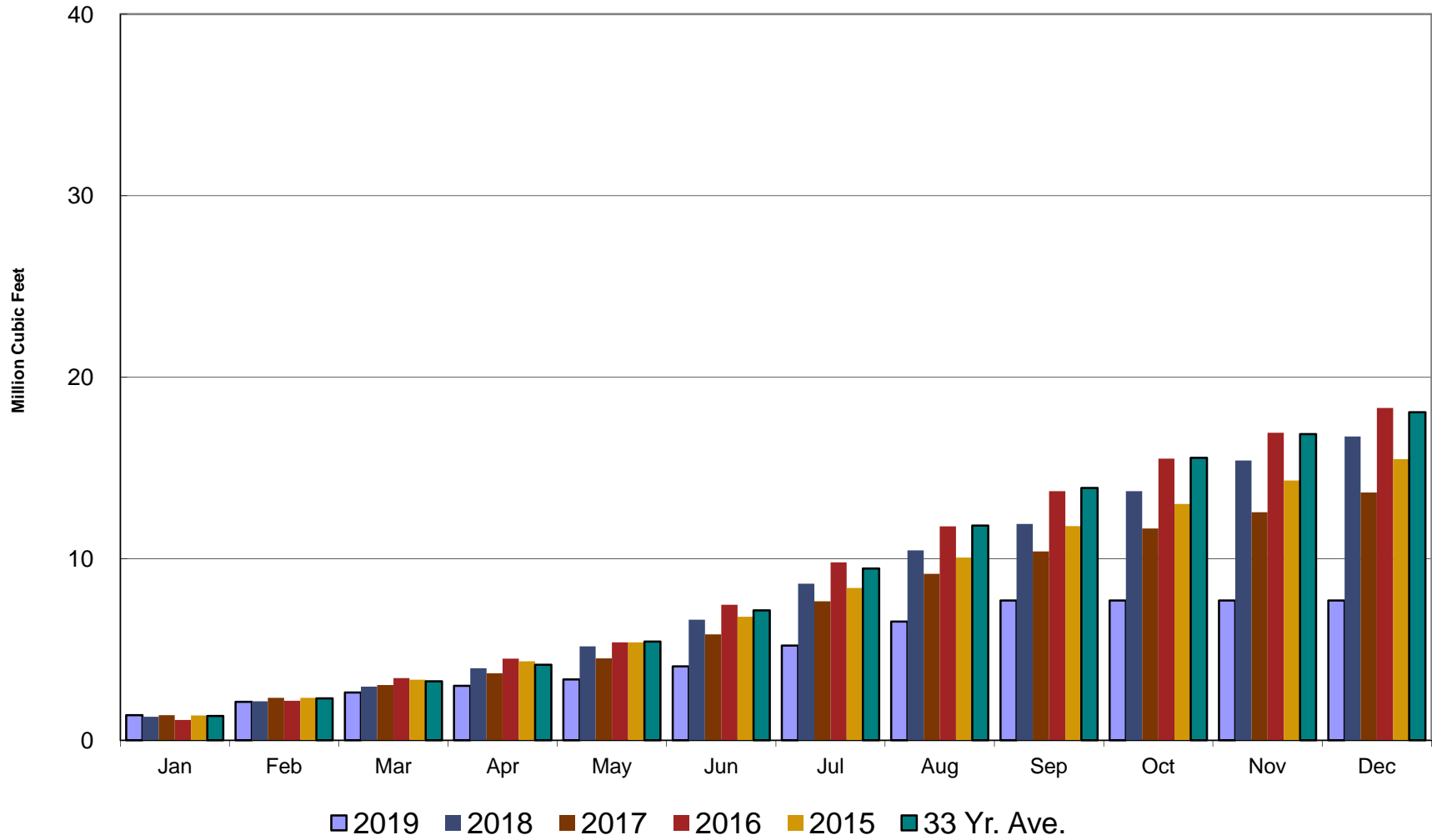
Crestline Village Water District

Purchased Water by Month



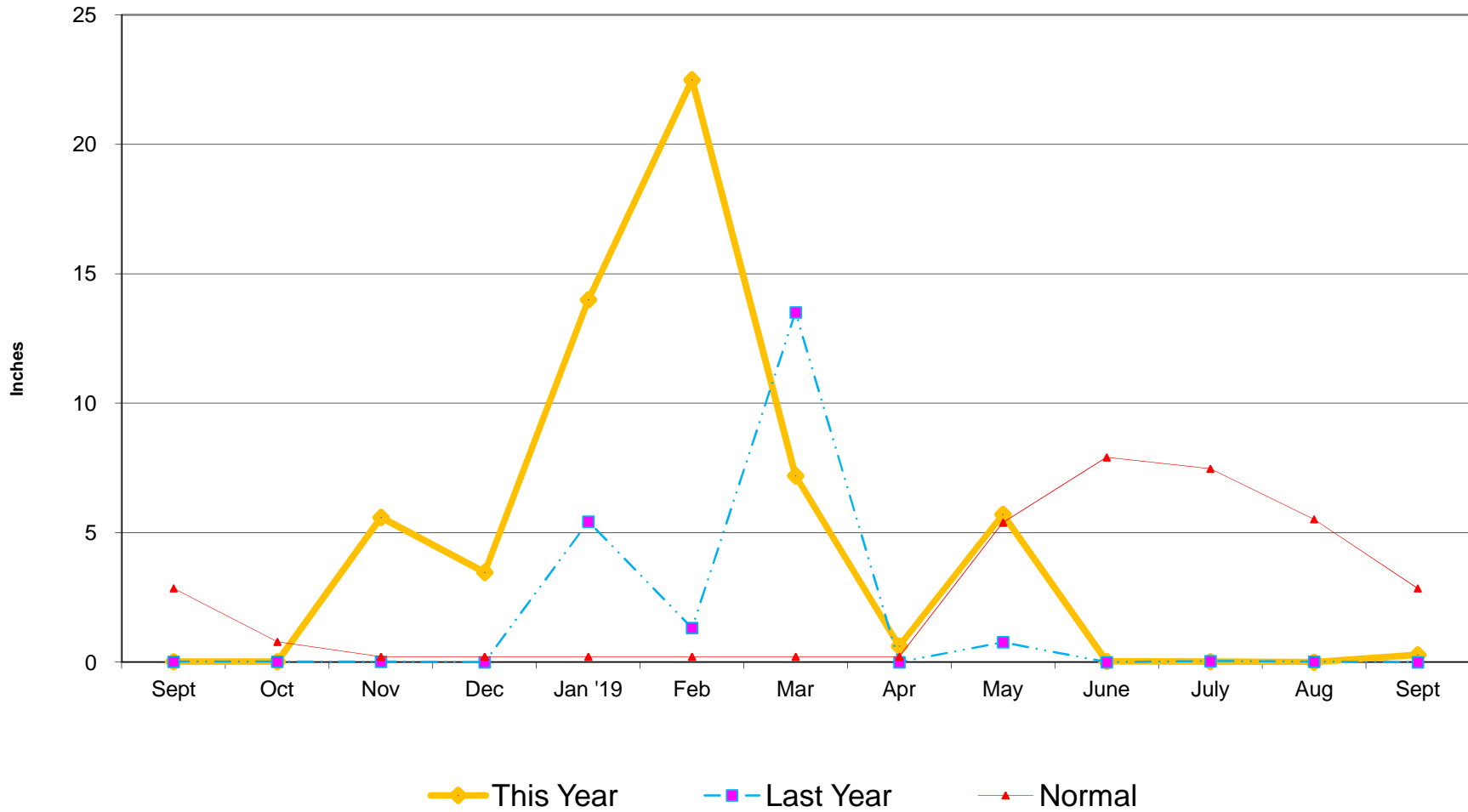
Crestline Village Water District

Purchased Water Cumulative



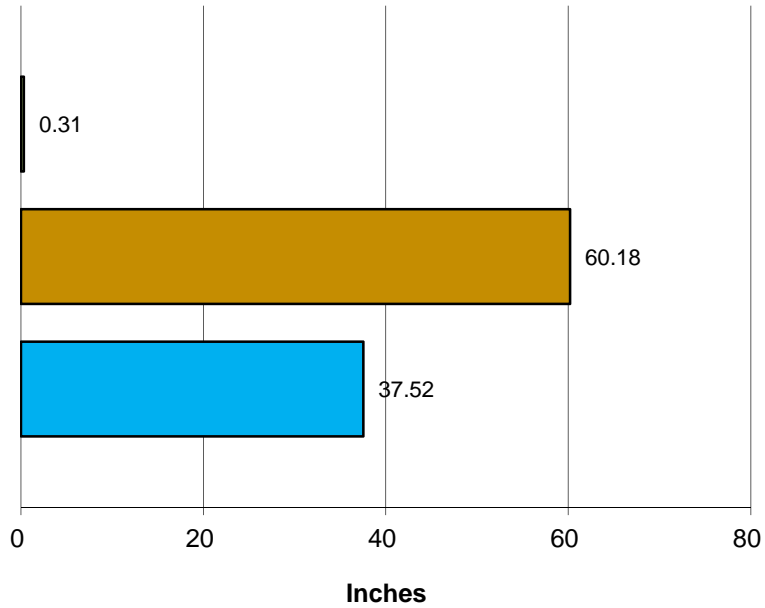
Crestline Village Water District

Rainfall - Last 13 Months



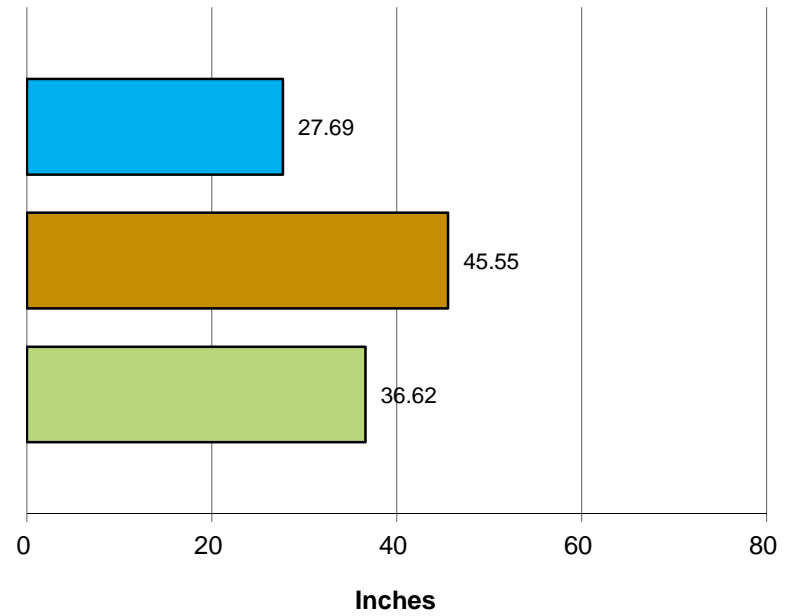
Crestline Village Water District

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



■ This Year ■ Last Year ■ Normal

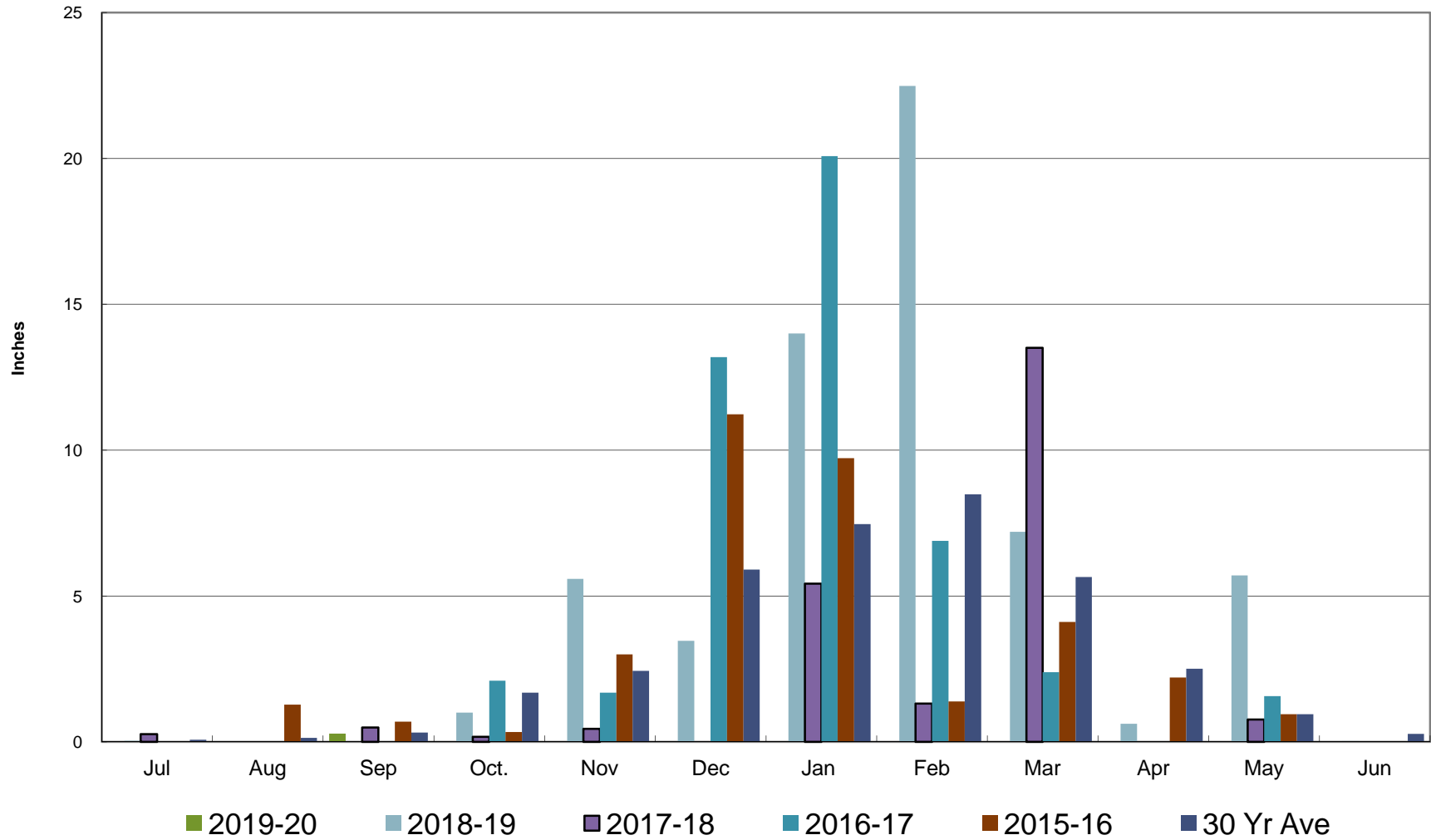
**Total Rainfall
Last 12 Months**



■ This Year ■ Last Year ■ Normal

Crestline Village Water District

Rainfall by Month



Crestline Village Water District

Rainfall Cumulative

