

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

01/16/20

	Dec	Jan '19	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
Sources of Supply														
Wells	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	1,880,618	958,042	2,390,062	21,157,883
Purchased Water	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	720,040	459,653	617,152	10,813,744
Adjustment to Wells *	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Water Supplied	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	2,600,658	1,417,695	3,007,214	31,971,627
Water Used **														
Metered Accounts												Estimated	Estimated	
Crestline Area	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	1,246,800	518,640	1,437,171	13,854,378
Lake Gregory Area	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	1,240,310	1,314,174	1,516,753	15,687,134
Change in Storage	(5,521)	(1,686)	(25,298)	(4,370)	17,247	19,940	27,725	(12,156)	(5,495)	15,748	(52,443)	55,296	(55,082)	(26,095)
Flushing, System & Other	14,439	14,439	14,439	14,947	29,877	18,885	16,246	16,246	15,408	14,484	27,122	14,439	14,439	225,411
Accounted for Water	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	2,461,789	1,902,549	2,913,281	29,740,828
System Loss (CF)	93,875	164,180	211,740	232,809	347,001	180,199	440,878	379,336	401,922	30,912	138,869	(484,854)	93,933	2,230,799
System Loss (%)	5.1%	6.6%	10.1%	11.1%	14.2%	8.0%	17.6%	12.0%	12.7%	1.1%	5.3%	-34.2%	3.1%	7.0%
System Loss (GPM)	18.8	24.4	37.9	41.7	56.3	30.2	81.8	59.7	69.6	5.2	23.3	(139.9)	11.3	31.7
Month to Month Averaging ***														
System Loss (CF)	46,938	129,028	187,960	222,275	289,905	263,600	310,539	410,107	390,629	216,417	84,891	(172,993)	(195,461)	2,183,835
System Loss (%)	2.6%	5.9%	8.4%	10.6%	12.6%	11.1%	12.8%	14.8%	12.4%	6.9%	3.2%	-14.4%	-15.5%	6.8%
System Loss (GPM)	9.4	21.6	31.1	39.8	49.0	43.3	56.0	70.8	64.7	37.4	14.2	(58.3)	(64.3)	31.1
Estimated Uses														
Known leaks - Est. loss	2,589	622	4,084	3,265	2,880	3,891	4,589	2,880	16,789	3,599	4,420	11,551	30,481	91,640
Total Estimated Uses	2,589	622	4,084	3,265	2,880	3,891	4,589	2,880	16,789	3,599	4,420	11,551	30,481	91,640
Unaccounted for Water (CF)	91,286	163,558	207,656	229,544	344,121	176,308	436,289	376,456	385,133	27,313	134,449	(496,405)	63,452	2,139,159
Unaccounted For (%)	5.0%	6.6%	9.9%	10.9%	14.0%	7.8%	17.4%	12.0%	12.2%	0.9%	5.2%	-35.0%	2.1%	6.7%
Unaccounted For (GPM)	18.2	24.3	37.2	41.1	55.9	29.5	80.9	59.3	66.7	4.6	22.5	(143.3)	7.7	30.4
Number of Days in Period	26	35	29	29	32	31	28	33	30	31	31	18	43	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

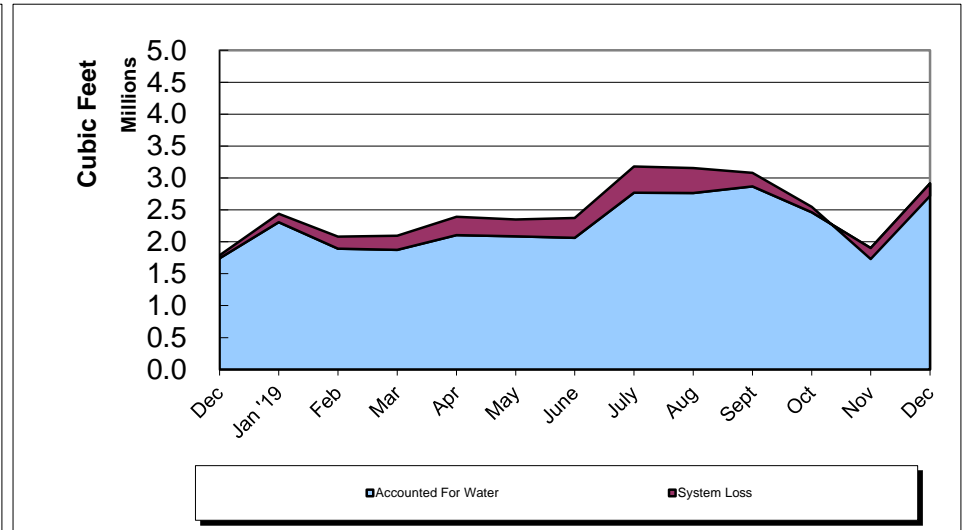
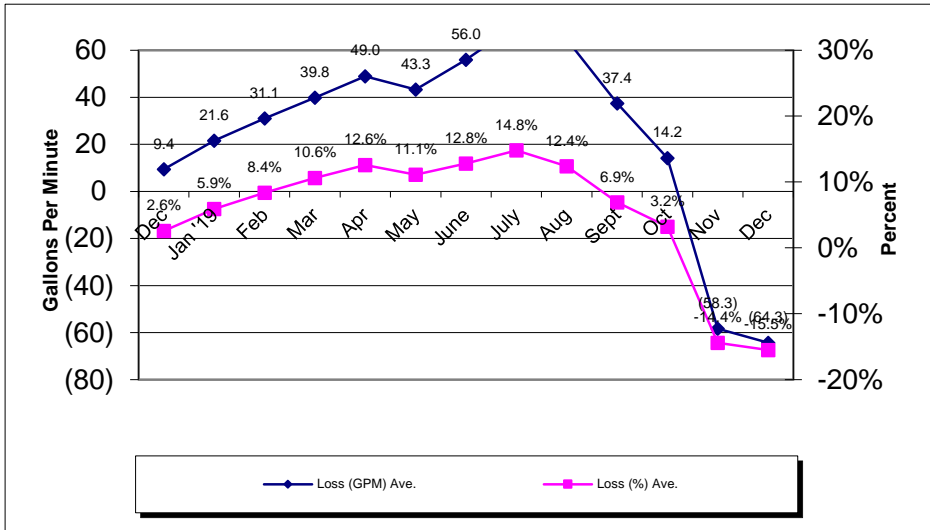
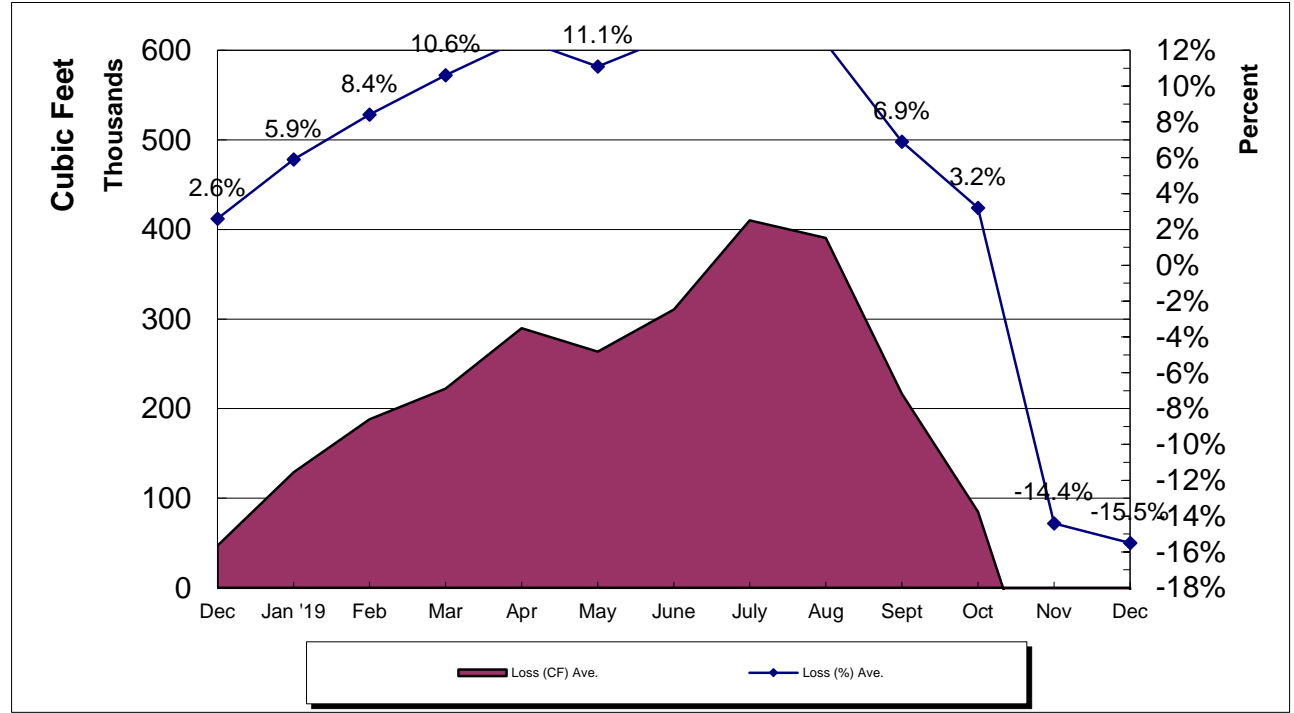
*** - Month to Month averaging averages the System Loss for each period with the immediately prior period for trending purposes.

System Loss Costs	This Month	Average
Cost of System Loss:	(\$5,160)	\$4,435
Cost of 5% System Loss:	3,970	3,246
Amount above (below) 5% System Loss	(\$9,130)	\$1,189
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: 11/18/19

Water Storage (Gal)	Capacity	Gallons/ Foot	Level (FT)	Current Storage	% of Capacity
Beacon I & II	385,354	16,752	19.39	324,821	84.29%
Saxon	337,674	14,681	17.86	262,203	77.65%
Pinecrest I & II	2,063,492	54,302	33.40	1,813,687	87.89%
Zurich	380,500	18,789	19.16	359,997	94.61%
Lakeview	1,230,212	27,955	36.79	1,028,464	83.60%
Old Mill	705,900	27,151	22.19	602,481	85.35%
Barn	444,443	19,752	17.54	346,450	77.95%
Wilson	983,681	33,915	26.97	914,688	92.99%
Chillon	337,674	14,679	17.79	261,139	77.33%
Brookside	748,067	28,772	21.66	623,202	83.31%
Chamois	1,026,532	39,482	21.83	861,892	83.96%
Total	8,643,529		254.58	7,399,024	85.60%

For Month of: November 2019

WELLS	Production M-T-D (Cubic Feet)	Status
Altdorf	26,391	On
Pioneer-2	31,041	On
Pioneer-1	24,043	On
Old Mill Springs	29,825	On
Maple Springs	32,606	On
Willow Springs	38,140	On
Brookside Springs	17,930	On
Hillside Springs	0	Off
Pinecrest 1 & 2	66,192	On
Pinecrest Vertical	110,960	On
Cypress Vertical	0	Off
Anderson Vertical	87,828	On
Wilson Springs 1 & 2	108,066	On
Wilson Vertical	91,929	On
Felsen Vertical	97,884	On
Horst	79,031	On
Jewel 64	46,032	On
Cathcart	18,534	On
Bergschrund	20,680	On
Chamois	0	Off
Chamois Vertical	30,930	On
	0	0
	0	0
	0	0
Lewter	0	Off
Total	958,042	

C.L.A.W.A.	FLOWS - GPM				Production M-T-D (Cubic Feet)
	Timed	Requested	Variance	% Variance	
CF - Crestline	41	50	(9)	-18.00%	151,872
Mile High 2"	30	30	0	0.00%	102,701
Mile High 4"	0	0	0	0.00%	0
Pinecrest 2"	0	0	0	0.00%	0
Pinecrest 4"	32	30	2	6.67%	187,299
Lake Drive 2"	0	0	0	0.00%	0
Lake Drive 4"	0	0	0	0.00%	0
Camp Seely	0	0	0	0.00%	17,781
Total	103	110	(7)	-6.36%	459,653

November Purchases	GPM	Cubic Feet	Wells	GPM	Cubic Feet
Last Year M-T-D:	217.5	753,690		142.8	494,836
Actual M-T-D:	132.7	459,653		276.5	958,042
Over/(Under) Last Year:	(84.9)	(294,037.0)		133.7	463,206.0

Total	GPM	Cubic Feet
Last Year M-T-D:	360.3	1,248,526
Actual M-T-D:	409.1	1,417,695
Over/(Under) Last Year:	48.8	169,169.0

Crestline Village Water District
System Report on: 12/31/19

For Month of: December 2019

Water Storage (Gal)	Capacity	Gallons/ Foot	Level (FT)	Current Storage	% of Capacity
Beacon I & II	385,354	16,752	19.20	321,638	83.47%
Saxon	337,674	14,681	16.80	246,641	73.04%
Pinecrest I & II	2,063,492	54,302	27.80	1,509,596	73.16%
Zurich	380,500	18,789	19.80	372,022	97.77%
Lakeview	1,230,212	27,955	37.60	1,051,108	85.44%
Old Mill	705,900	27,151	22.10	600,037	85.00%
Barn	444,443	19,752	18.00	355,536	80.00%
Wilson	983,681	33,915	24.60	834,309	84.81%
Chillon	337,674	14,679	17.10	251,011	74.34%
Brookside	748,067	28,772	19.60	563,931	75.39%
Chamois	1,026,532	39,482	22.50	888,345	86.54%
Total	8,643,529		245.10	6,994,174	80.92%

WELLS	Production M-T-D (Cubic Feet)	Status
Altdorf	126,445	On
Pioneer-2	66,392	On
Pioneer-1	85,482	On
Old Mill Springs	85,657	On
Maple Springs	106,306	On
Willow Springs	81,640	On
Brookside Springs	42,360	On
Hillside Springs	0	Off
Pinecrest 1 & 2	124,184	On
Pinecrest Vertical	237,150	On
Cypress Vertical	180,290	Off
Anderson Vertical	191,822	On
Wilson Springs 1 & 2	223,372	On
Wilson Vertical	185,593	On
Felsen Vertical	210,822	On
Horst	170,391	On
Jewel 64	111,352	On
Cathcart	44,036	On
Bergschrund	46,138	On
Chamois	0	Off
Chamois Vertical	70,630	On
	0	0
	0	0
	0	0
Lewter	0	Off
Total	2,390,062	

C.L.A.W.A.	FLOWS - GPM				Production M-T-D (Cubic Feet)
	Timed	Requested	Variance	% Variance	
CF - Crestline	47	50	(3)	-6.00%	154,412
Mile High 2"	0	0	0	0.00%	46,524
Mile High 4"	0	0	0	0.00%	0
Pinecrest 2"	29	0	29	0.00%	109,799
Pinecrest 4"	52	170	(118)	-69.41%	306,417
Lake Drive 2"	0	0	0	0.00%	0
Lake Drive 4"	0	0	0	0.00%	0
Camp Seely	0	0	0	0.00%	0
Total	128	220	(92)	-41.82%	617,152

December Purchases	GPM	Cubic Feet	Wells	GPM	Cubic Feet
Last Year M-T-D:	196.2	1,624,158		127.7	1,057,110
Actual M-T-D:	74.6	617,152		288.7	2,390,062
Over/(Under) Last Year:	(121.7)	(1,007,006.0)		161.0	1,332,952.0

Total	GPM	Cubic Feet
Last Year M-T-D:	323.9	2,681,268
Actual M-T-D:	363.3	3,007,214
Over/(Under) Last Year:	39.4	325,946.0

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

01/15/20

Source Name	December													Last 12	
	'18	January '19	February	March	April	May	June	July	August	September	October	November	December	Months	13 Months
Division 10															
Altdorf	47,759	126,854	74,147	84,122	135,433	106,117	95,034	110,795	82,955	66,124	85,025	26,391	126,445	1,119,442	1,167,201
Pioneer #2	29,535	69,148	36,529	41,330	54,527	53,461	47,897	56,812	51,594	53,115	53,002	31,041	66,392	614,848	644,383
Pioneer #1	26,207	83,753	43,705	78,743	65,777	59,978	57,997	55,460	61,312	60,335	63,551	24,043	85,482	740,136	766,343
Old Mill Springs	14,640	41,440	157,130	160,400	161,030	95,600	81,690	77,620	38,960	710	76,506	29,825	85,657	1,006,568	1,021,208
Maple Springs	8,878	16,633	60,981	63,579	112,862	95,089	81,843	96,864	87,918	76,131	92,290	32,606	106,306	923,102	931,980
Willow Springs	7,290	20,510	72,610	114,640	129,020	113,180	96,050	105,860	90,630	85,690	76,130	38,140	81,640	1,024,100	1,031,390
Brookside Springs	6,960	23,930	68,590	96,930	94,400	73,920	15,360	85,470	46,070	38,890	33,240	17,930	42,360	637,090	644,050
Hillside Springs	3,600	8,310	22,470	13,160	0	0	0	0	0	0	0	0	0	43,940	47,540
Pinecrest	23,660	59,270	73,100	87,250	61,600	53,350	33,700	29,330	25,650	2,869	157,931	66,192	124,184	774,426	798,086
Pinecrest Vertical	0	0	0	0	184,601	224,054	203,051	241,416	210,285	188,037	206,157	110,960	237,150	1,805,711	1,805,711
Cypress Vertical	0	36,630	80,750	0	0	0	0	78,500	145,210	134,150	4,250	0	180,290	659,780	659,780
Anderson Vertical	37,476	93,129	93,506	130,777	168,244	160,814	146,982	171,651	150,424	157,146	153,191	87,828	191,822	1,705,514	1,742,990
Division 10 Totals	206,005	579,607	783,518	870,931	1,167,494	1,035,563	859,604	1,109,778	991,008	863,197	1,001,273	464,956	1,327,728	11,054,657	11,260,662
Division 20															
Wilson Springs #1 & 2	60,379	142,223	95,329	144,060	194,650	193,324	179,547	222,598	199,414	199,875	189,633	108,066	223,372	2,092,091	2,152,470
Wilson Vertical	105,890	32,394	119,562	123,600	171,753	167,427	142,610	132,012	165,480	154,713	171,684	91,929	185,593	1,658,757	1,764,647
Felsen Vertical	0	0	143,972	142,093	180,968	175,083	159,480	187,446	169,819	173,107	171,787	97,884	210,822	1,812,461	1,812,461
Horst	32,102	74,894	44,247	92,240	138,846	142,356	130,505	155,235	126,761	148,327	141,419	79,031	170,391	1,444,252	1,476,354
Jewell No. 64	51,645	124,560	76,085	90,327	90,056	83,396	235,156	86,306	76,683	65,197	80,716	46,032	111,352	1,165,866	1,217,511
Cathcart	14,716	36,042	29,173	41,344	43,429	36,838	30,811	36,070	29,349	35,441	33,536	18,534	44,036	414,603	429,319
Bergschrund	4,385	10,838	29,053	42,449	48,474	47,111	41,698	47,841	39,496	40,466	37,360	20,680	46,138	451,604	455,989
Chamois	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chamois Vertical	39,120	89,460	46,320	45,420	49,020	35,080	0	23,070	52,560	53,650	53,210	30,930	70,630	549,350	588,470
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	308,237	510,411	583,741	721,533	917,196	880,615	919,807	890,578	859,562	870,776	879,345	493,086	1,062,334	9,588,984	9,897,221
Total District Sources	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	1,880,618	958,042	2,390,062	20,643,641	21,157,883
C.L.A.W.A.															
Crest Forest 6"	299,599	409,759	113,235	95,187	20,187	20,187	0	0	0	299,465	215,775	151,872	154,412	1,480,079	1,779,678
Mile High Park 2"	204,786	273,463	49,973	43,182	0	0	0	0	0	0	163,356	102,701	46,524	679,199	883,985
Mile High Park 4"	0	0	0	0	0	0	170,588	249,064	249,064	327,807	0	0	0	996,523	996,523
Pinecrest 2"	0	0	0	137,807	261,070	261,070	0	0	0	107	0	0	109,799	769,853	769,853
Pinecrest 4"	818,583	699,332	572,594	235,829	0	0	527,807	706,016	706,016	472,995	340,909	187,299	306,417	4,755,214	5,573,797
Lake Drive 2"	0	0	0	0	0	0	0	141,003	141,003	32,233	0	0	0	314,239	314,239
Lake Drive 4"	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Camp Seely	0	0	0	0	84,492	84,492	25,000	52,540	52,540	29,947	0	17,781	0	346,792	346,792
C.L.A.W.A. Totals	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	720,040	459,653	617,152	9,341,899	10,664,867
Grand Totals	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	2,600,658	1,417,695	3,007,214	29,985,540	31,822,750

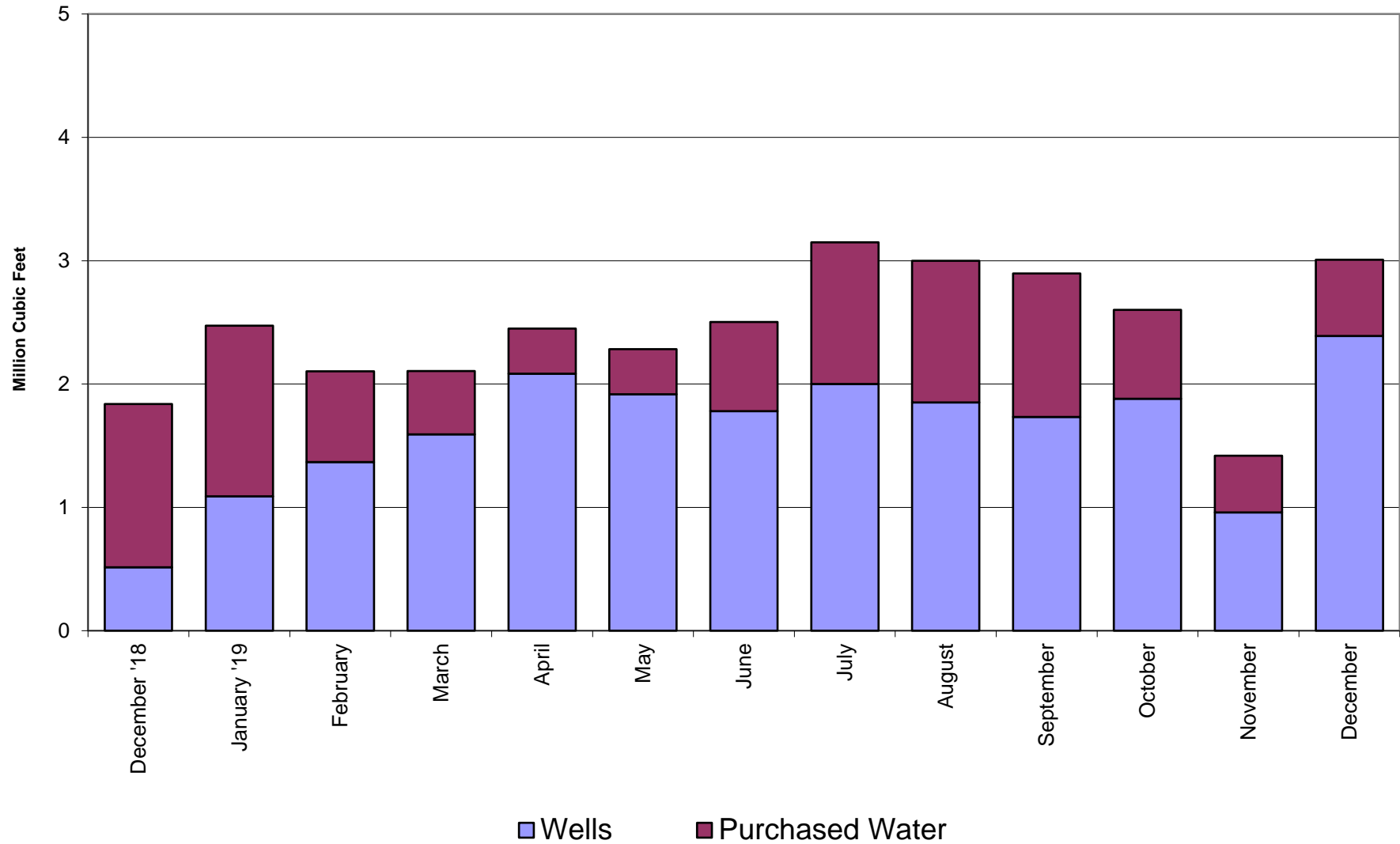
Crestline Village Water District
Source of Supply Production Report
Cubic Feet
Last 13 Months

01/15/20

<u>Source Name</u>	<u>December '18</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>October</u>	<u>November</u>	<u>December</u>	<u>Last 12 Months</u>	<u>13 Months</u>
District Sources															
Division 10	206,005	579,607	783,518	870,931	1,167,494	1,035,563	859,604	1,109,778	991,008	863,197	1,001,273	464,956	1,327,728	11,054,657	11,260,662
Division 20	308,237	510,411	583,741	721,533	917,196	880,615	919,807	890,578	859,562	870,776	879,345	493,086	1,062,334	9,588,984	9,897,221
Total	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	1,880,618	958,042	2,390,062	20,643,641	21,157,883
Division 10	40.06%	53.17%	57.31%	54.69%	56.00%	54.04%	48.31%	55.48%	53.55%	49.78%	53.24%	48.53%	55.55%	53.55%	53.22%
Division 20	59.94%	46.83%	42.69%	45.31%	44.00%	45.96%	51.69%	44.52%	46.45%	50.22%	46.76%	51.47%	44.45%	46.45%	46.78%
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	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	1,880,618	958,042	2,390,062	20,643,641	21,157,883
C.L.A.W.A.	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	720,040	459,653	617,152	9,341,899	10,664,867
Total Sources	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	2,600,658	1,417,695	3,007,214	29,985,540	31,822,750
District Sources	27.99%	44.08%	65.01%	75.67%	85.07%	83.97%	71.10%	63.52%	61.70%	59.86%	72.31%	67.58%	79.48%	68.85%	66.49%
C.L.A.W.A.	72.01%	55.92%	34.99%	24.33%	14.93%	16.03%	28.90%	36.48%	38.30%	40.14%	27.69%	32.42%	20.52%	31.15%	33.51%
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%

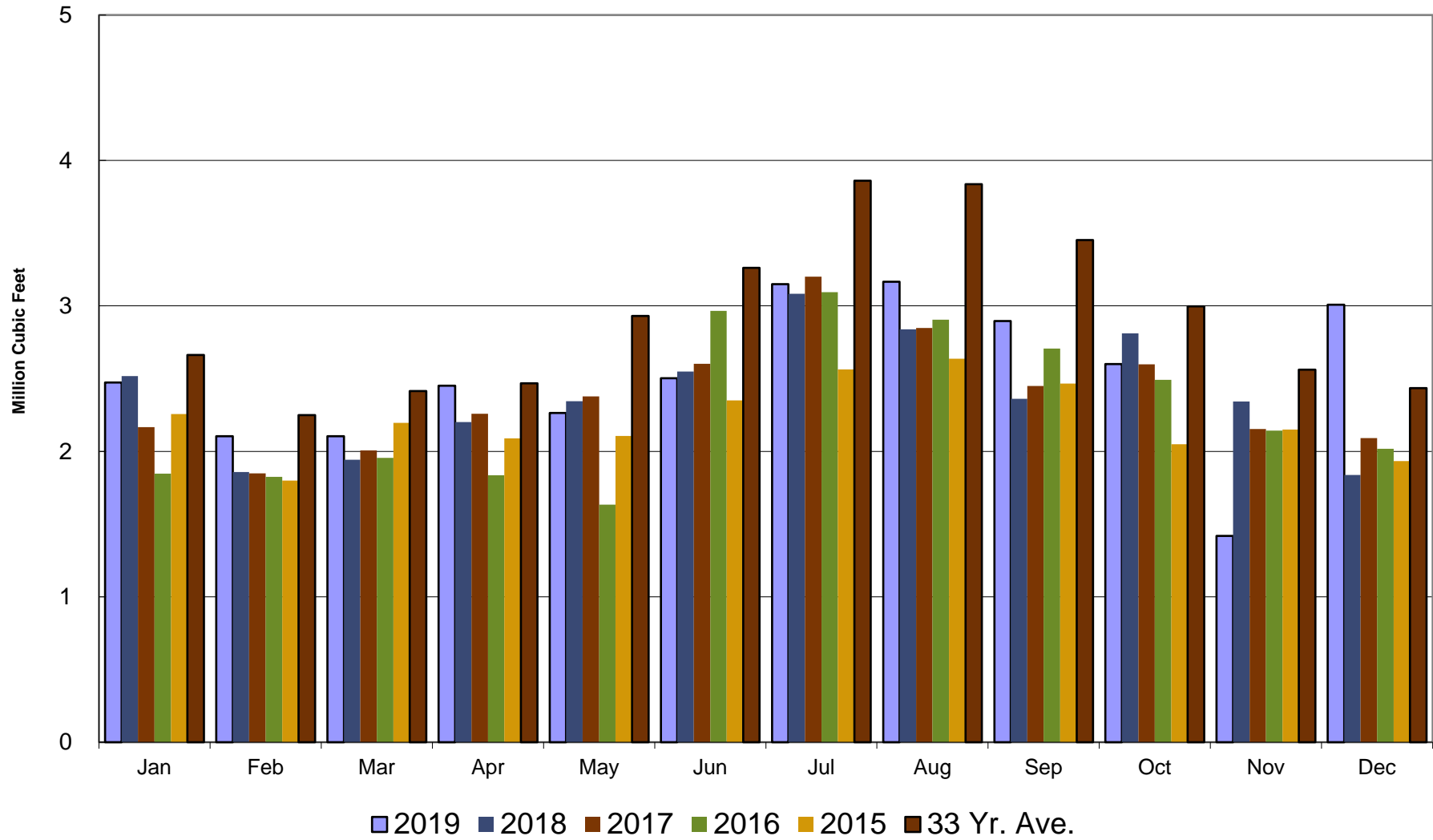
Crestline Village Water District

Water Sources - Last 13 Months



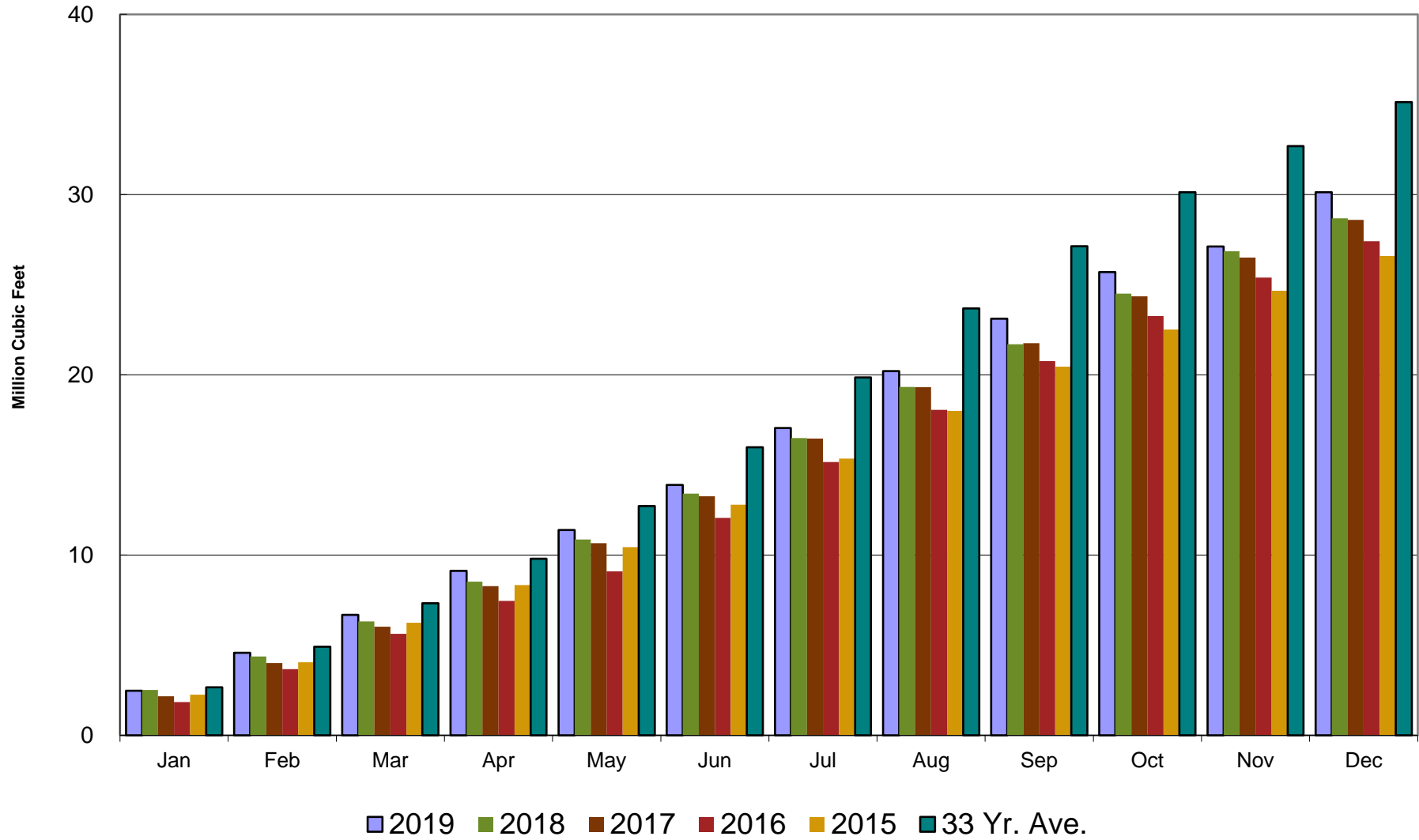
Crestline Village Water District

Total Production by Month



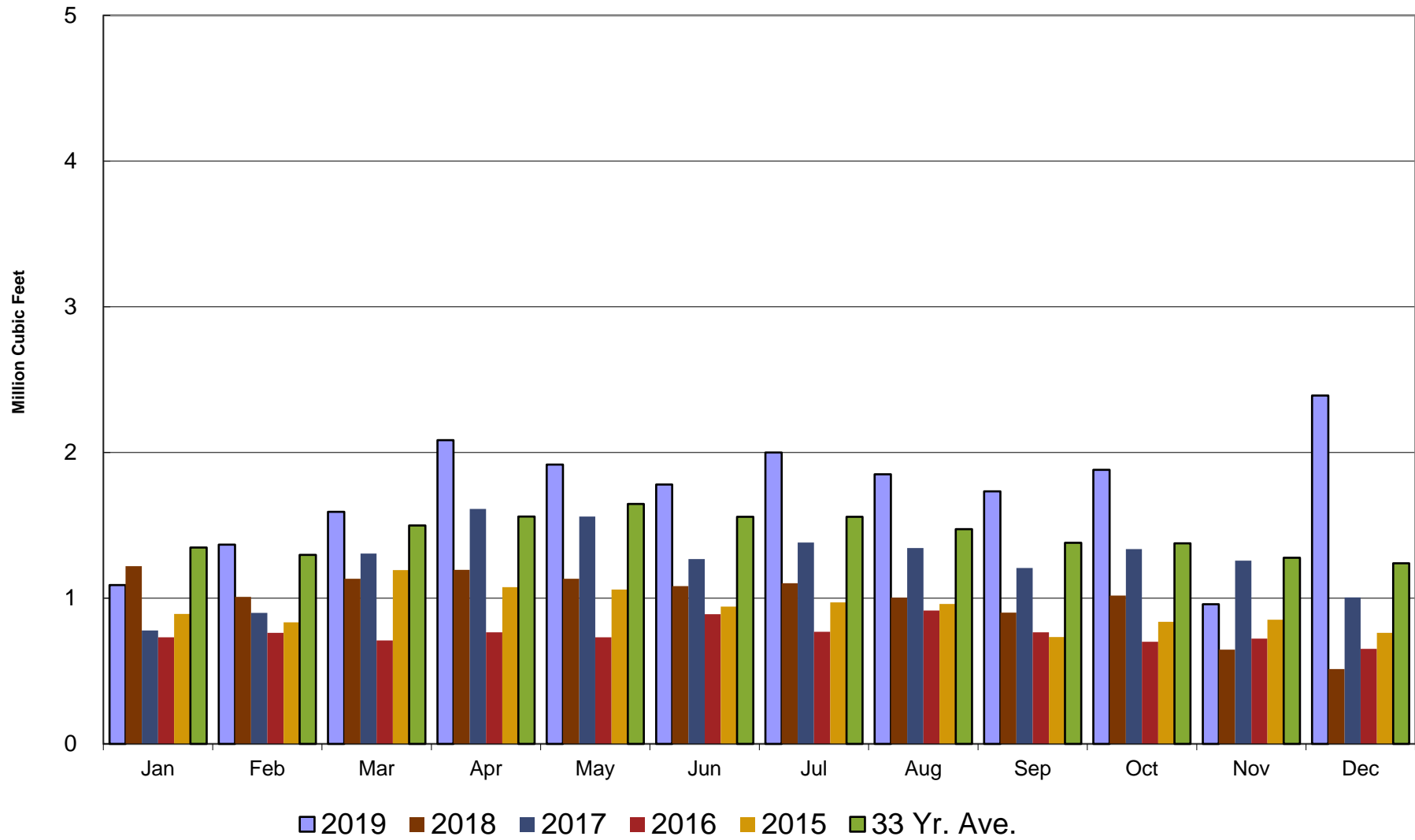
Crestline Village Water District

Total Production Cumulative



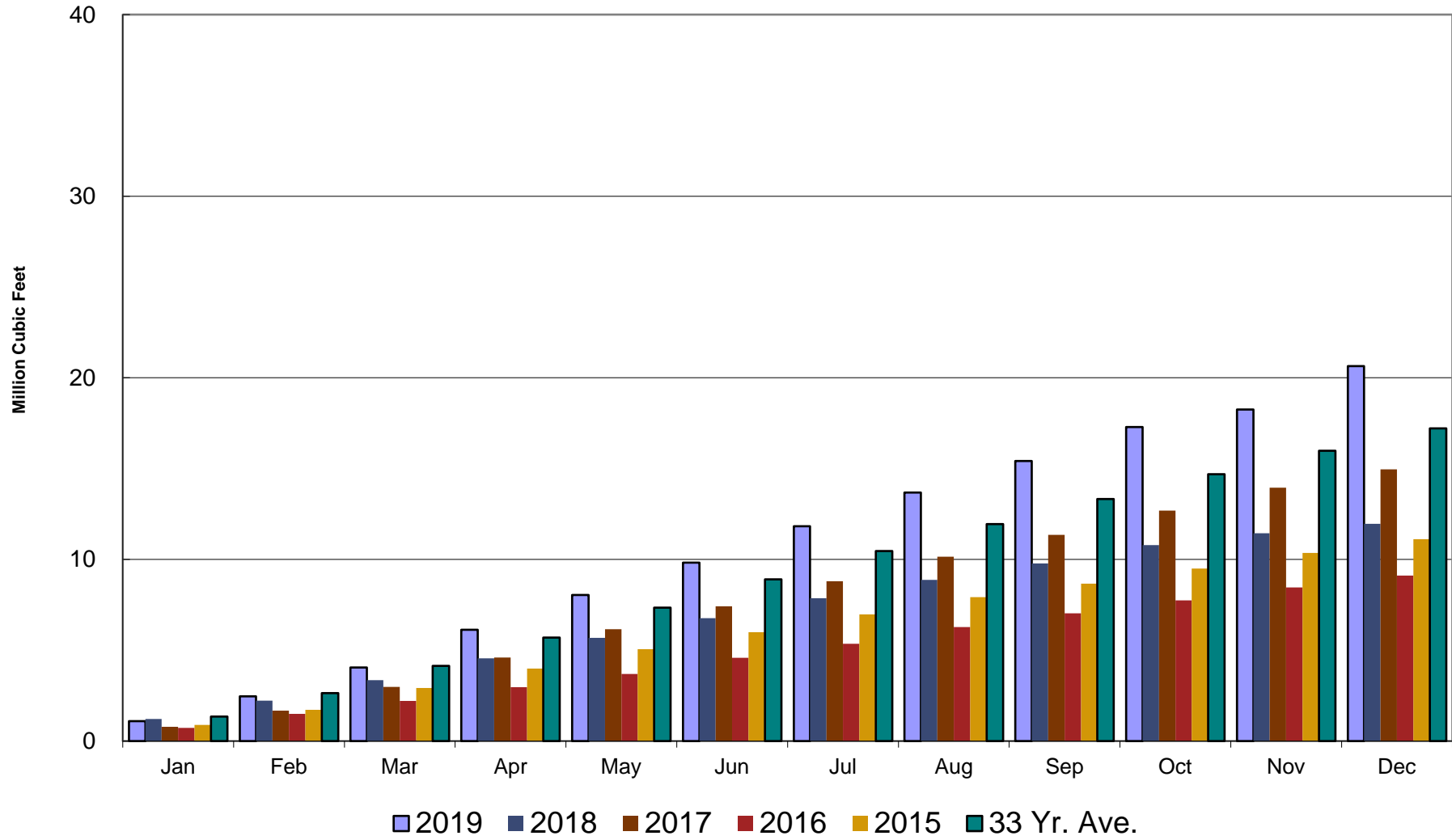
Crestline Village Water District

Well Production by Month



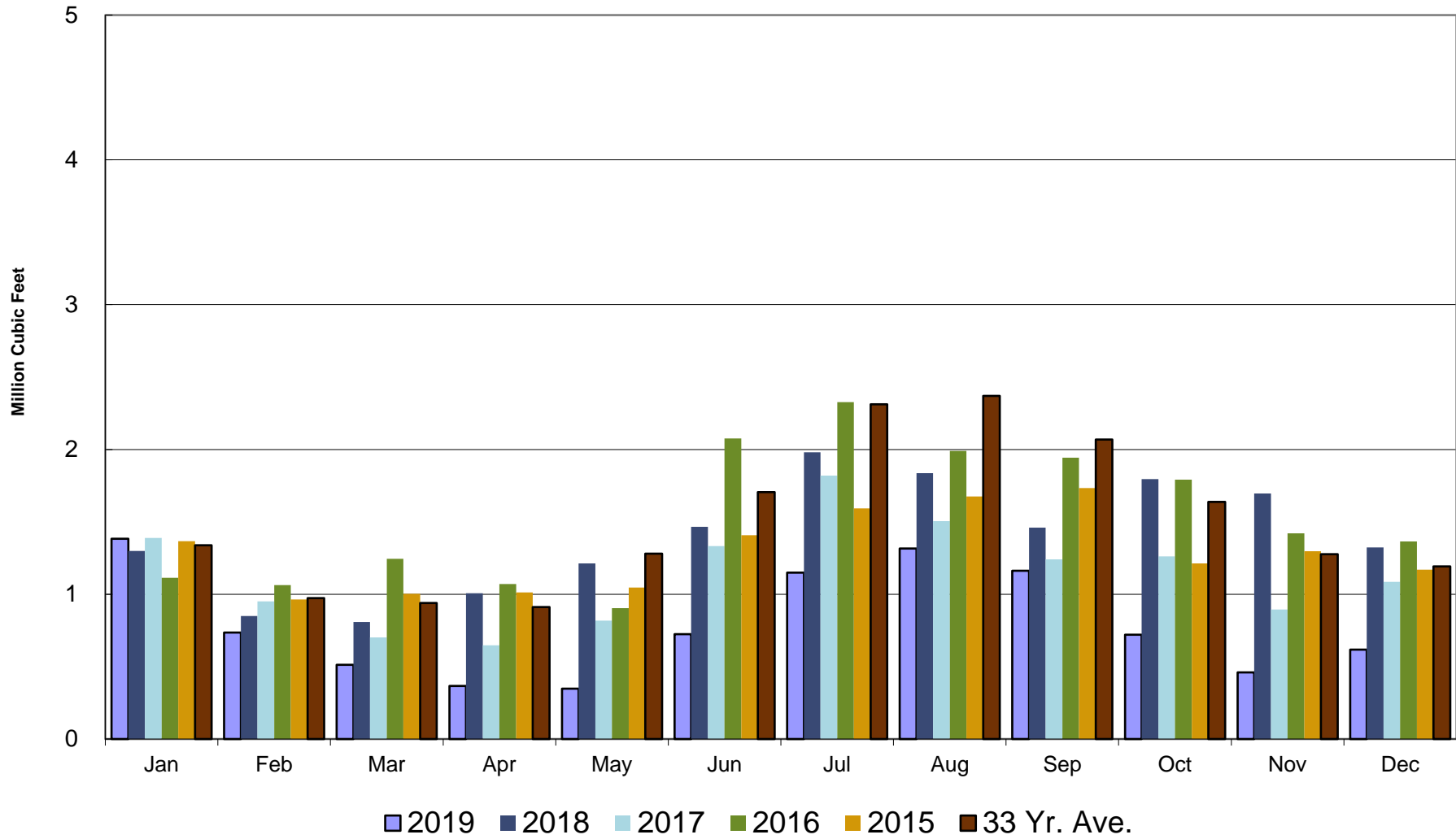
Crestline Village Water District

Well Production Cumulative



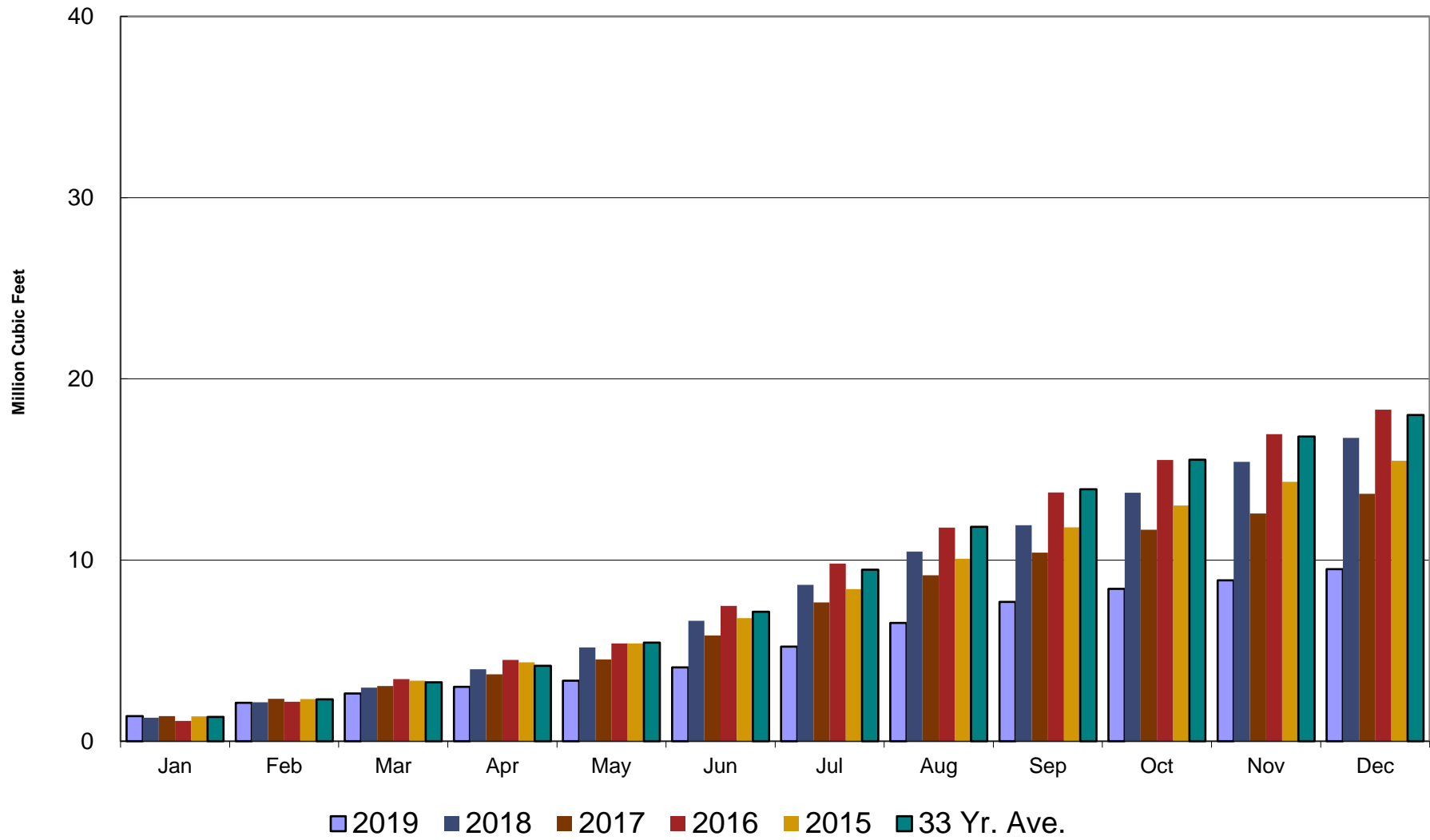
Crestline Village Water District

Purchased Water by Month



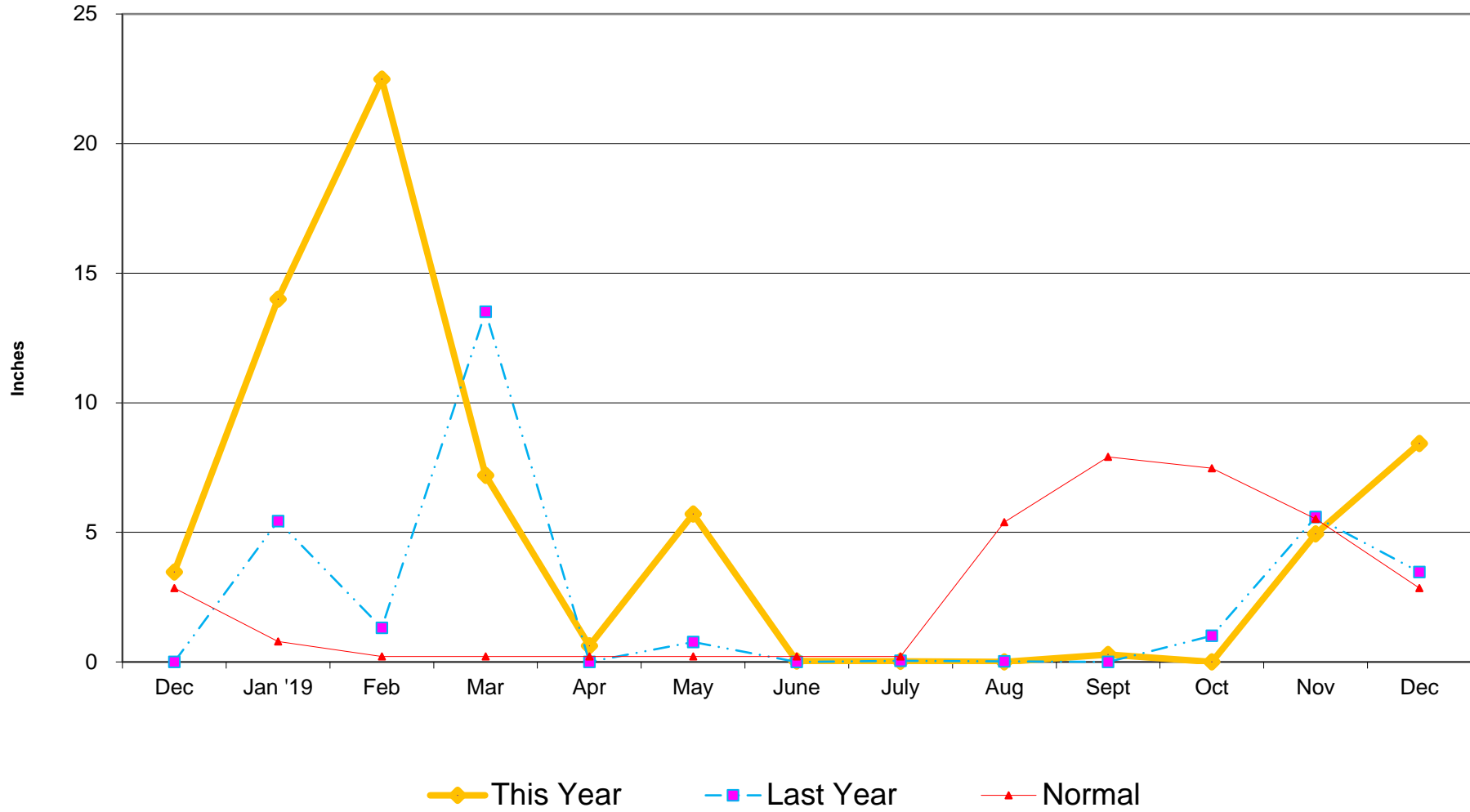
Crestline Village Water District

Purchased Water Cumulative



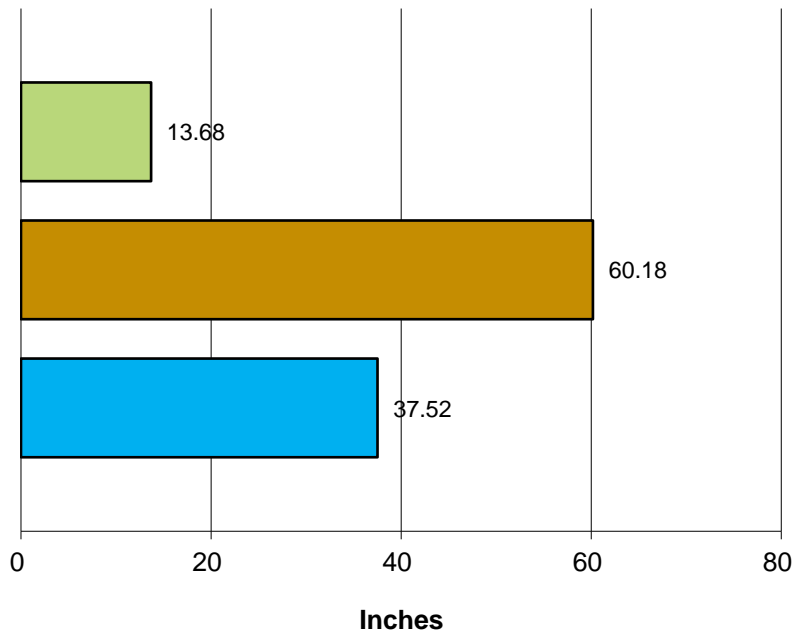
Crestline Village Water District

Rainfall - Last 13 Months



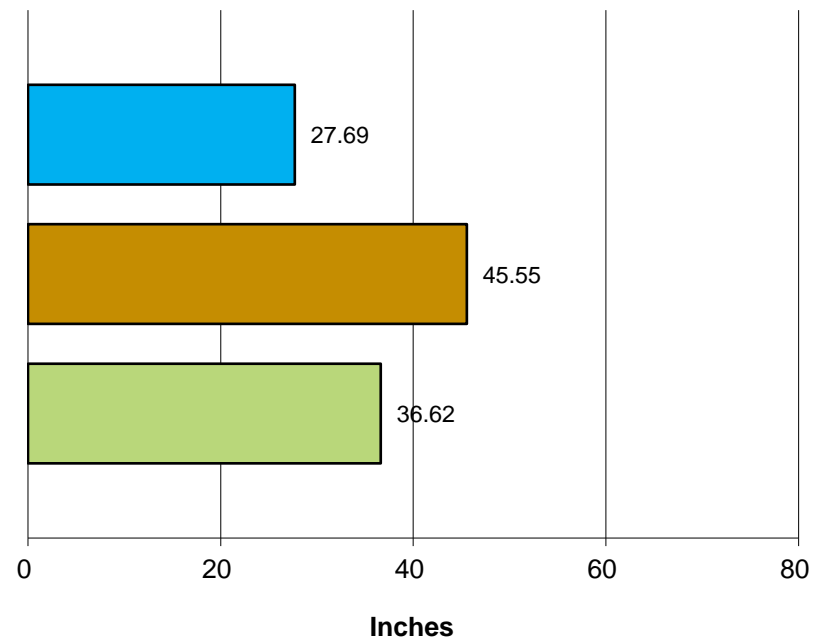
Crestline Village Water District

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



■ This Year ■ Last Year ■ Normal

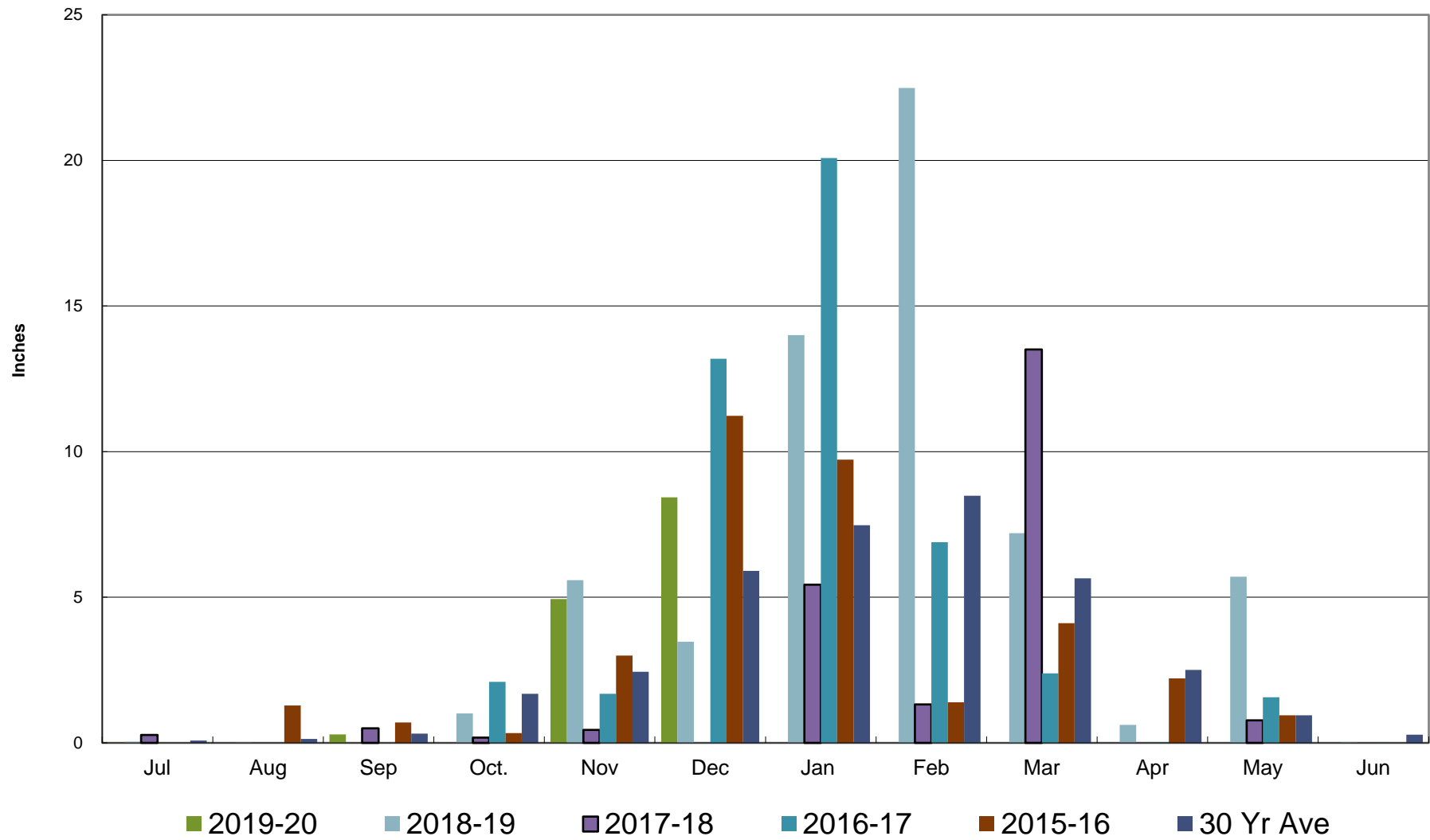
**Total Rainfall
Last 12 Months**



■ This Year ■ Last Year ■ Normal

Crestline Village Water District

Rainfall by Month



Crestline Village Water District

Rainfall Cumulative

