

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

04/13/20

	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan '20	Feb	Mar	Total
Sources of Supply														
Wells	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	1,790,808	1,606,207	1,837,581	23,420,960
Purchased Water	512,005	365,749	347,887	723,395	1,148,623	1,315,362	1,162,554	720,040	459,653	617,152	357,741	340,374	230,214	8,300,749
Adjustment to Wells *	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Water Supplied</b>	<b>2,104,469</b>	<b>2,450,439</b>	<b>2,264,065</b>	<b>2,502,806</b>	<b>3,148,979</b>	<b>3,165,932</b>	<b>2,896,527</b>	<b>2,600,658</b>	<b>1,417,695</b>	<b>3,007,214</b>	<b>2,148,549</b>	<b>1,946,581</b>	<b>2,067,795</b>	<b>31,721,709</b>
Water Used **														
Metered Accounts									Estimated	Estimated	Estimated	Estimated	Estimated	
Crestline Area	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	982,550	901,359	953,858	13,876,855
Lake Gregory Area	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	1,111,330	895,125	1,019,281	15,595,924
Change in Storage	(4,370)	17,247	19,940	27,725	(12,156)	(5,495)	15,748	(52,443)	55,296	(55,082)	10,066	50,336	(59,149)	7,663
Flushing, System & Other	14,947	29,877	18,885	16,246	16,246	15,408	14,484	27,122	14,439	14,439	14,439	14,439	14,439	225,411
<b>Accounted for Water</b>	<b>1,871,660</b>	<b>2,103,438</b>	<b>2,083,866</b>	<b>2,061,928</b>	<b>2,769,643</b>	<b>2,764,010</b>	<b>2,865,615</b>	<b>2,461,789</b>	<b>1,902,549</b>	<b>2,913,281</b>	<b>2,118,385</b>	<b>1,861,259</b>	<b>1,928,429</b>	<b>29,705,853</b>
<b>System Loss (CF)</b>	232,809	347,001	180,199	440,878	379,336	401,922	30,912	138,869	(484,854)	93,933	30,164	85,322	139,366	2,015,856
<b>System Loss (%)</b>	11.1%	14.2%	8.0%	17.6%	12.0%	12.7%	1.1%	5.3%	-34.2%	3.1%	1.4%	4.4%	6.7%	6.4%
<b>System Loss (GPM)</b>	41.7	56.3	30.2	81.8	59.7	69.6	5.2	23.3	(139.9)	11.3	5.1	15.8	22.6	28.6
<b>Month to Month Averaging ***</b>														
<b>System Loss (CF)</b>	116,405	289,905	263,600	310,539	410,107	390,629	216,417	84,891	(172,993)	(195,461)	62,049	57,743	112,344	1,946,175
<b>System Loss (%)</b>	5.5%	12.6%	11.1%	12.8%	14.8%	12.4%	6.9%	3.2%	-14.4%	-15.5%	2.3%	2.9%	5.6%	6.1%
<b>System Loss (GPM)</b>	20.9	49.0	43.3	56.0	70.8	64.7	37.4	14.2	(58.3)	(64.3)	8.2	10.4	19.2	27.6
Estimated Uses														
Known leaks - Est. loss	3,265	2,880	3,891	4,589	2,880	16,789	3,599	4,420	11,551	30,481	1,738	3,556	10,624	100,263
<b>Total Estimated Uses</b>	<b>3,265</b>	<b>2,880</b>	<b>3,891</b>	<b>4,589</b>	<b>2,880</b>	<b>16,789</b>	<b>3,599</b>	<b>4,420</b>	<b>11,551</b>	<b>30,481</b>	<b>1,738</b>	<b>3,556</b>	<b>10,624</b>	<b>100,263</b>
<b>Unaccounted for Water (CF)</b>	229,544	344,121	176,308	436,289	376,456	385,133	27,313	134,449	(496,405)	63,452	28,426	81,766	128,742	1,915,593
<b>Unaccounted For (%)</b>	10.9%	14.0%	7.8%	17.4%	12.0%	12.2%	0.9%	5.2%	-35.0%	2.1%	1.3%	4.2%	6.2%	6.0%
<b>Unaccounted For (GPM)</b>	41.1	55.9	29.5	80.9	59.3	66.7	4.6	22.5	(143.3)	7.7	4.8	15.2	20.9	27.2
Number of Days in Period	29	32	31	28	33	30	31	31	18	43	31	28	32	366

**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

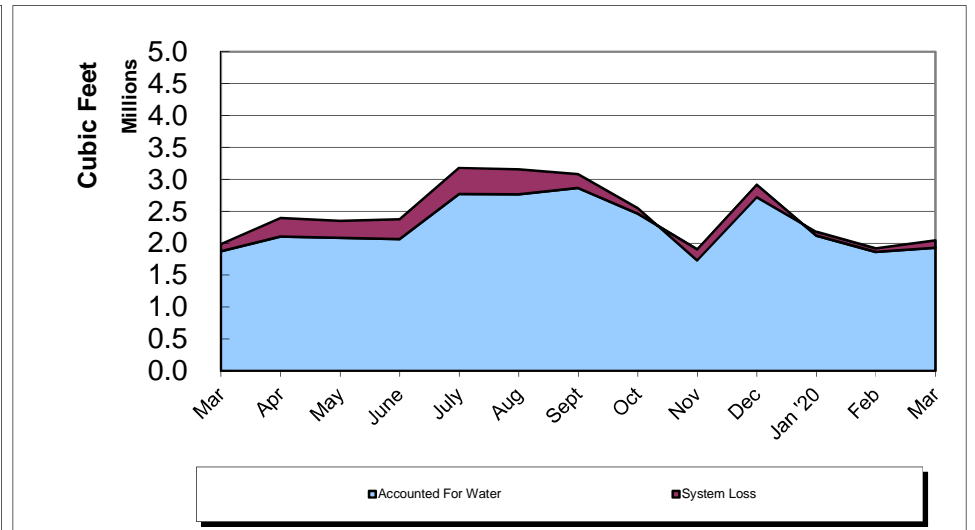
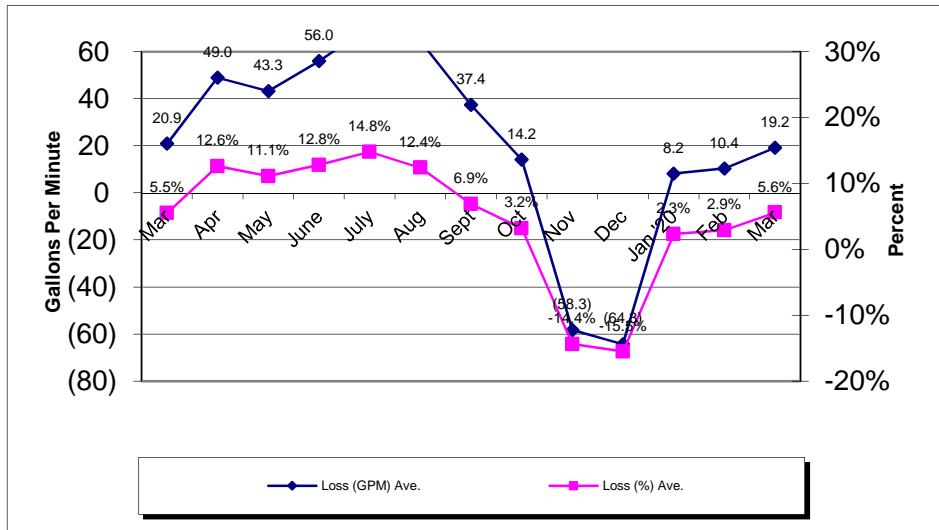
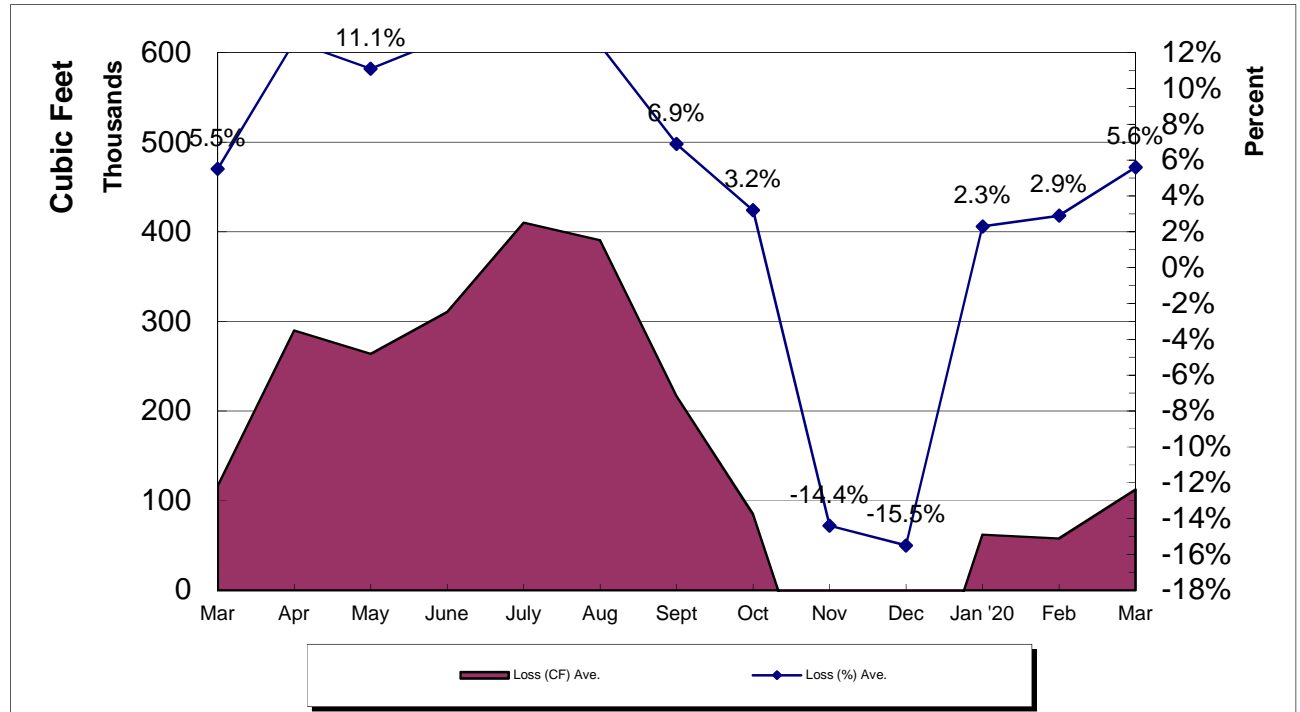
\*\*\* - Month to Month averaging averages the System Loss for each period with the immediately prior period for trending purposes.

System Loss Costs	This Month	Average
Cost of System Loss:	\$2,966	\$3,952
Cost of 5% System Loss:	2,729	3,221
<b>Amount above (below) 5% System Loss</b>	<b>\$237</b>	<b>\$731</b>
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: 03/31/20**

Water Storage (Gal)	Capacity	Gallons/ Foot	Level (FT)	Current Storage	% of Capacity
Beacon I & II	385,354	16,752	19.19	321,471	83.42%
Saxon	337,674	14,681	17.72	260,147	77.04%
Pinecrest I & II	2,063,492	54,302	31.76	1,724,632	83.58%
Zurich	380,500	18,789	18.34	344,590	90.56%
Lakeview	1,230,212	27,955	31.61	883,658	71.83%
Old Mill	705,900	27,151	23.39	635,062	89.96%
Barn	444,443	19,752	20.75	409,854	92.22%
Wilson	983,681	33,915	23.04	781,402	79.44%
Chillon	337,674	14,679	17.45	256,149	75.86%
Brookside	748,067	28,772	16.97	488,261	65.27%
Chamois	1,026,532	39,482	22.34	882,028	85.92%
<b>Total</b>	<b>8,643,529</b>		<b>242.56</b>	<b>6,987,254</b>	<b>80.84%</b>

**For Month of: December 2019**

WELLS	Production M-T-D (Cubic Feet)	Status
Altdorf	92,963	On
Pioneer-2	53,421	On
Pioneer-1	75,743	On
Old Mill Springs	66,896	On
Maple Springs	85,709	On
Willow Springs	53,910	On
Brookside Springs	31,080	On
Hillside Springs	0	Off
Pinecrest 1 & 2	104,165	On
Pinecrest Vertical	174,034	On
Cypress Vertical	123,660	Off
Anderson Vertical	148,117	On
Wilson Springs 1 & 2	165,786	On
Wilson Vertical	160,015	On
Felsen Vertical	173,514	On
Horst	116,189	On
Jewel 64	82,853	On
Cathcart	31,259	On
Bergschrund	31,827	On
Chamois	0	Off
Chamois Vertical	66,440	On
	0	0
	0	0
	0	0
Lewter	0	Off
<b>Total</b>	<b>1,837,581</b>	

C.L.A.W.A.	FLOWS - GPM				Production M-T-D (Cubic Feet)
	Timed	Requested	Variance	% Variance	
CF - Crestline	0	0	0	0.00%	0
Mile High 2"	0	0	0	0.00%	0
Mile High 4"	0	0	0	0.00%	0
Pinecrest 2"	34	20	14	70.00%	91,979
Pinecrest 4"	0	0	0	0.00%	138,235
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
<b>Total</b>	<b>34</b>	<b>20</b>	<b>14</b>	<b>70.00%</b>	<b>230,214</b>

<u>March Purchases</u>	<u>GPM</u>	<u>Cubic Feet</u>	<u>Wells</u>	<u>GPM</u>	<u>Cubic Feet</u>
Last Year M-T-D:	157.8	972,116		187.9	1,157,544
Actual M-T-D:	37.4	230,214		298.3	1,837,581
Over/(Under) Last Year:	(120.4)	(741,902.0)		110.4	680,037.0

<u>Total</u>	<u>GPM</u>	<u>Cubic Feet</u>
Last Year M-T-D:	345.7	2,129,660
Actual M-T-D:	335.7	2,067,795
Over/(Under) Last Year:	(10.0)	(61,865.0)

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

04/13/20

<b>Source Name</b>	<b>March '19</b>	<b>April</b>	<b>May</b>	<b>June</b>	<b>July</b>	<b>August</b>	<b>September</b>	<b>October</b>	<b>November</b>	<b>December</b>	<b>January '20</b>	<b>February</b>	<b>March</b>	<b>Last 12 Months</b>	<b>13 Months</b>
<b>Division 10</b>															
Altdorf	84,122	135,433	106,117	95,034	110,795	82,955	66,124	85,025	26,391	126,445	58,099	87,901	92,963	1,073,282	1,157,404
Pioneer #2	41,330	54,527	53,461	47,897	56,812	51,594	53,115	53,002	31,041	66,392	54,349	47,783	53,421	623,394	664,724
Pioneer #1	78,743	65,777	59,978	57,997	55,460	61,312	60,335	63,551	24,043	85,482	66,537	51,933	75,743	728,148	806,891
Old Mill Springs	160,400	161,030	95,600	81,690	77,620	38,960	710	76,506	29,825	85,657	64,038	53,964	66,896	832,496	992,896
Maple Springs	63,579	112,862	95,089	81,843	96,864	87,918	76,131	92,290	32,606	106,306	51,833	79,506	85,709	998,957	1,062,536
Willow Springs	114,640	129,020	113,180	96,050	105,860	90,630	85,690	76,130	38,140	81,640	60,120	49,330	53,910	979,700	1,094,340
Brookside Springs	96,930	94,400	73,920	15,360	85,470	46,070	38,890	33,240	17,930	42,360	30,600	24,650	31,080	533,970	630,900
Hillside Springs	13,160	0	0	0	0	0	0	0	0	0	0	0	0	0	13,160
Pinecrest	87,250	61,600	53,350	33,700	29,330	25,650	2,869	157,931	66,192	124,184	109,624	92,030	104,165	860,625	947,875
Pinecrest Vertical	0	184,601	224,054	203,051	241,416	210,285	188,037	206,157	110,960	237,150	185,570	165,043	174,034	2,330,358	2,330,358
Cypress Vertical	0	0	0	0	78,500	145,210	134,150	4,250	0	180,290	134,680	106,840	123,660	907,580	907,580
Anderson Vertical	130,777	168,244	160,814	146,982	171,651	150,424	157,146	153,191	87,828	191,822	150,044	132,072	148,117	1,818,335	1,949,112
<b>Division 10 Totals</b>	<b>870,931</b>	<b>1,167,494</b>	<b>1,035,563</b>	<b>859,604</b>	<b>1,109,778</b>	<b>991,008</b>	<b>863,197</b>	<b>1,001,273</b>	<b>464,956</b>	<b>1,327,728</b>	<b>965,494</b>	<b>891,052</b>	<b>1,009,698</b>	<b>11,686,845</b>	<b>12,557,776</b>
<b>Division 20</b>															
Wilson Springs #1 & 2	144,060	194,650	193,324	179,547	222,598	199,414	199,875	189,633	108,066	223,372	173,750	150,067	165,786	2,200,082	2,344,142
Wilson Vertical	123,600	171,753	167,427	142,610	132,012	165,480	154,713	171,684	91,929	185,593	160,866	148,192	160,015	1,852,274	1,975,874
Felsen Vertical	142,093	180,968	175,083	159,480	187,446	169,819	173,107	171,787	97,884	210,822	170,533	154,063	173,514	2,024,506	2,166,599
Horst	92,240	138,846	142,356	130,505	155,235	126,761	148,327	141,419	79,031	170,391	125,219	106,774	116,189	1,581,053	1,673,293
Jewell No. 64	90,327	90,056	83,396	235,156	86,306	76,683	65,197	80,716	46,032	111,352	79,990	71,065	82,853	1,108,802	1,199,129
Cathcart	41,344	43,429	36,838	30,811	36,070	29,349	35,441	33,536	18,534	44,036	32,579	27,921	31,259	399,803	441,147
Bergschrund	42,449	48,474	47,111	41,698	47,841	39,496	40,466	37,360	20,680	46,138	32,387	28,153	31,827	461,631	504,080
Chamois	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chamois Vertical	45,420	49,020	35,080	0	23,070	52,560	53,650	53,210	30,930	70,630	49,990	28,920	66,440	513,500	558,920
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
<b>Division 20 Totals</b>	<b>721,533</b>	<b>917,196</b>	<b>880,615</b>	<b>919,807</b>	<b>890,578</b>	<b>859,562</b>	<b>870,776</b>	<b>879,345</b>	<b>493,086</b>	<b>1,062,334</b>	<b>825,314</b>	<b>715,155</b>	<b>827,883</b>	<b>10,141,651</b>	<b>10,863,184</b>
<b>Total District Sources</b>	<b>1,592,464</b>	<b>2,084,690</b>	<b>1,916,178</b>	<b>1,779,411</b>	<b>2,000,356</b>	<b>1,850,570</b>	<b>1,733,973</b>	<b>1,880,618</b>	<b>958,042</b>	<b>2,390,062</b>	<b>1,790,808</b>	<b>1,606,207</b>	<b>1,837,581</b>	<b>21,828,496</b>	<b>23,420,960</b>
<b>C.L.A.W.A.</b>															
Crest Forest 6"	95,187	20,187	20,187	0	0	0	299,465	215,775	151,872	154,412	81,818	81,818	0	1,025,534	1,120,721
Mile High Park 2"	43,182	0	0	0	0	0	0	163,356	102,701	46,524	0	0	0	312,581	355,763
Mile High Park 4"	0	0	0	170,588	249,064	249,064	327,807	0	0	0	0	0	0	996,523	996,523
Pinecrest 2"	137,807	261,070	261,070	0	0	0	107	0	0	109,799	38,356	38,356	91,979	800,737	938,544
Pinecrest 4"	235,829	0	0	527,807	706,016	706,016	472,995	340,909	187,299	306,417	188,904	188,904	138,235	3,763,502	3,999,331
Lake Drive 2"	0	0	0	0	141,003	141,003	32,233	0	0	0	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	84,492	84,492	25,000	52,540	52,540	29,947	0	17,781	0	48,663	48,663	0	444,118	444,118
<b>C.L.A.W.A. Totals</b>	<b>512,005</b>	<b>365,749</b>	<b>365,749</b>	<b>723,395</b>	<b>1,148,623</b>	<b>1,148,623</b>	<b>1,162,554</b>	<b>720,040</b>	<b>459,653</b>	<b>617,152</b>	<b>357,741</b>	<b>357,741</b>	<b>230,214</b>	<b>7,657,234</b>	<b>8,169,239</b>
<b>Grand Totals</b>	<b>2,104,469</b>	<b>2,450,439</b>	<b>2,281,927</b>	<b>2,502,806</b>	<b>3,148,979</b>	<b>2,999,193</b>	<b>2,896,527</b>	<b>2,600,658</b>	<b>1,417,695</b>	<b>3,007,214</b>	<b>2,148,549</b>	<b>1,963,948</b>	<b>2,067,795</b>	<b>29,485,730</b>	<b>31,590,199</b>

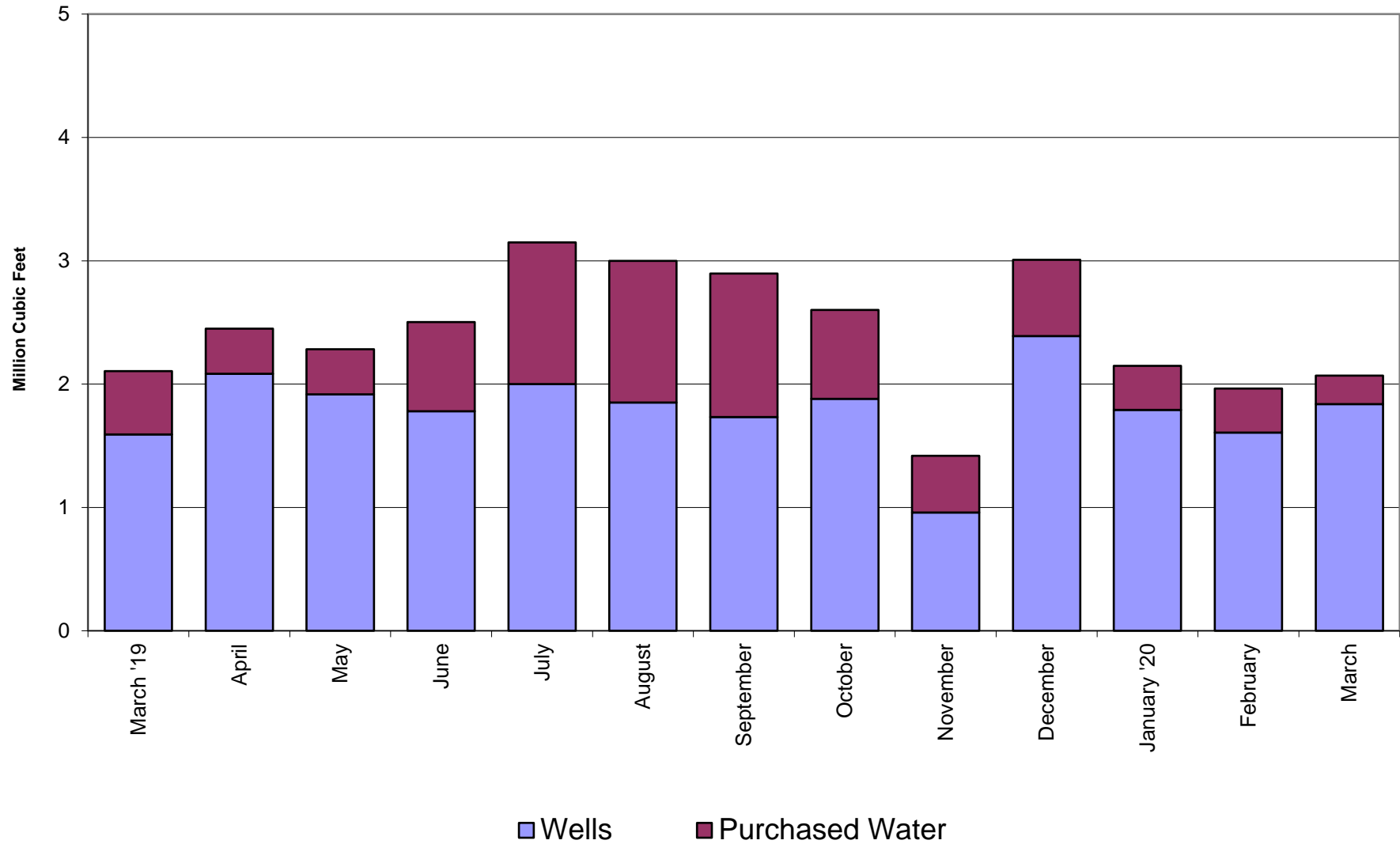
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**Cubic Feet**  
**Last 13 Months**

04/13/20

<u>Source Name</u>	<u>March '19</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>January '20</u>	<u>February</u>	<u>March</u>	<u>Last 12 Months</u>	<u>13 Months</u>
<b>District Sources</b>															
Division 10	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	965,494	891,052	1,009,698	11,686,845	12,557,776
Division 20	721,533	917,196	880,615	919,807	890,578	859,562	870,776	879,345	493,086	1,062,334	825,314	715,155	827,883	10,141,651	10,863,184
<b>Total</b>	<b>1,592,464</b>	<b>2,084,690</b>	<b>1,916,178</b>	<b>1,779,411</b>	<b>2,000,356</b>	<b>1,850,570</b>	<b>1,733,973</b>	<b>1,880,618</b>	<b>958,042</b>	<b>2,390,062</b>	<b>1,790,808</b>	<b>1,606,207</b>	<b>1,837,581</b>	<b>21,828,496</b>	<b>23,420,960</b>
Division 10	54.69%	56.00%	54.04%	48.31%	55.48%	53.55%	49.78%	53.24%	48.53%	55.55%	53.91%	55.48%	54.95%	53.54%	53.62%
Division 20	45.31%	44.00%	45.96%	51.69%	44.52%	46.45%	50.22%	46.76%	51.47%	44.45%	46.09%	44.52%	45.05%	46.46%	46.38%
<b>Total</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>
<b>All Sources</b>															
District Sources	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	1,790,808	1,606,207	1,837,581	21,828,496	23,420,960
C.L.A.W.A.	512,005	365,749	365,749	723,395	1,148,623	1,148,623	1,162,554	720,040	459,653	617,152	357,741	357,741	230,214	7,657,234	8,169,239
<b>Total Sources</b>	<b>2,104,469</b>	<b>2,450,439</b>	<b>2,281,927</b>	<b>2,502,806</b>	<b>3,148,979</b>	<b>2,999,193</b>	<b>2,896,527</b>	<b>2,600,658</b>	<b>1,417,695</b>	<b>3,007,214</b>	<b>2,148,549</b>	<b>1,963,948</b>	<b>2,067,795</b>	<b>29,485,730</b>	<b>31,590,199</b>
District Sources	75.67%	85.07%	83.97%	71.10%	63.52%	61.70%	59.86%	72.31%	67.58%	79.48%	83.35%	81.78%	88.87%	74.03%	74.14%
C.L.A.W.A.	24.33%	14.93%	16.03%	28.90%	36.48%	38.30%	40.14%	27.69%	32.42%	20.52%	16.65%	18.22%	11.13%	25.97%	25.86%
<b>Total Sources</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>

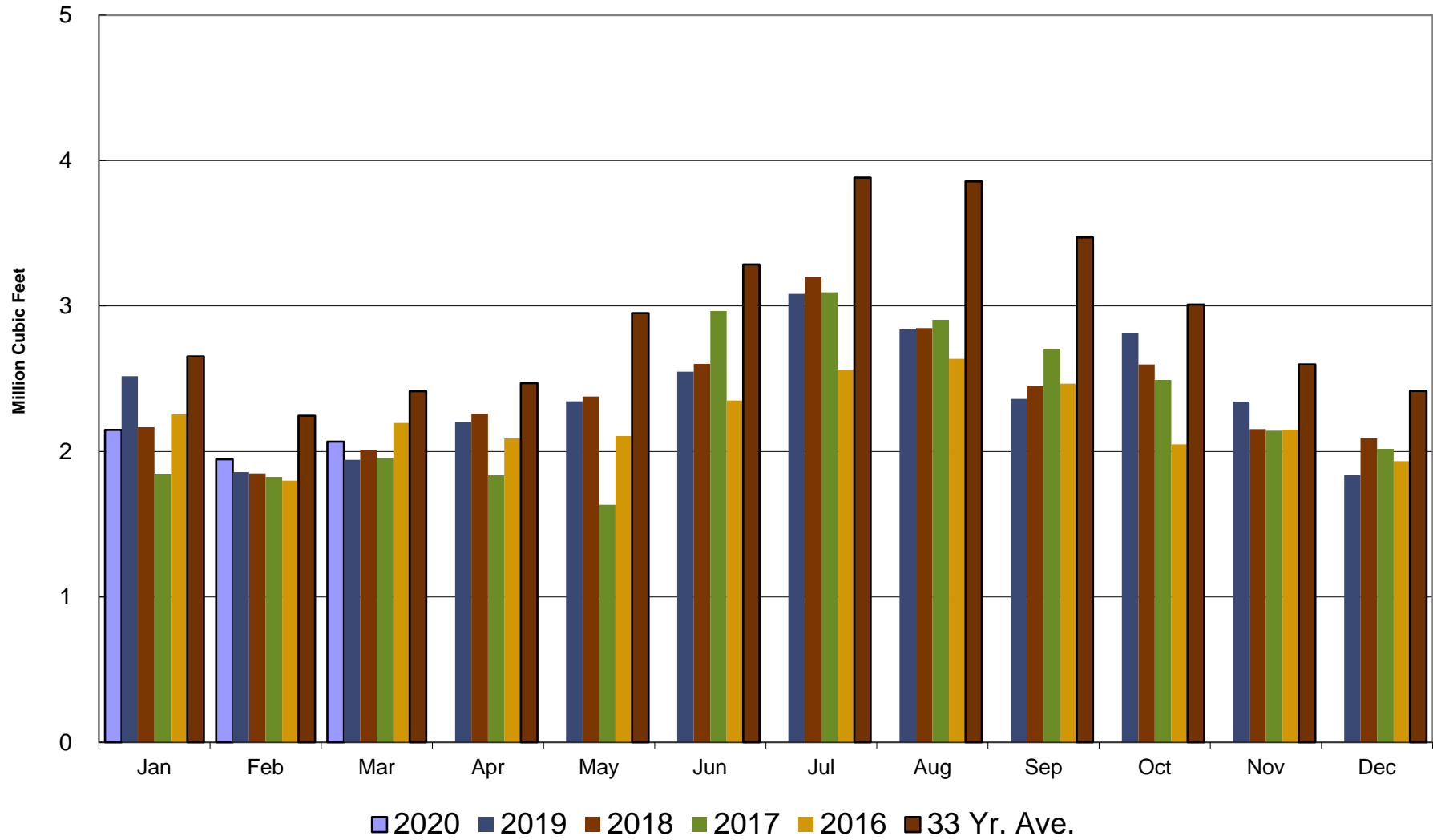
# Crestline Village Water District

## Water Sources - Last 13 Months



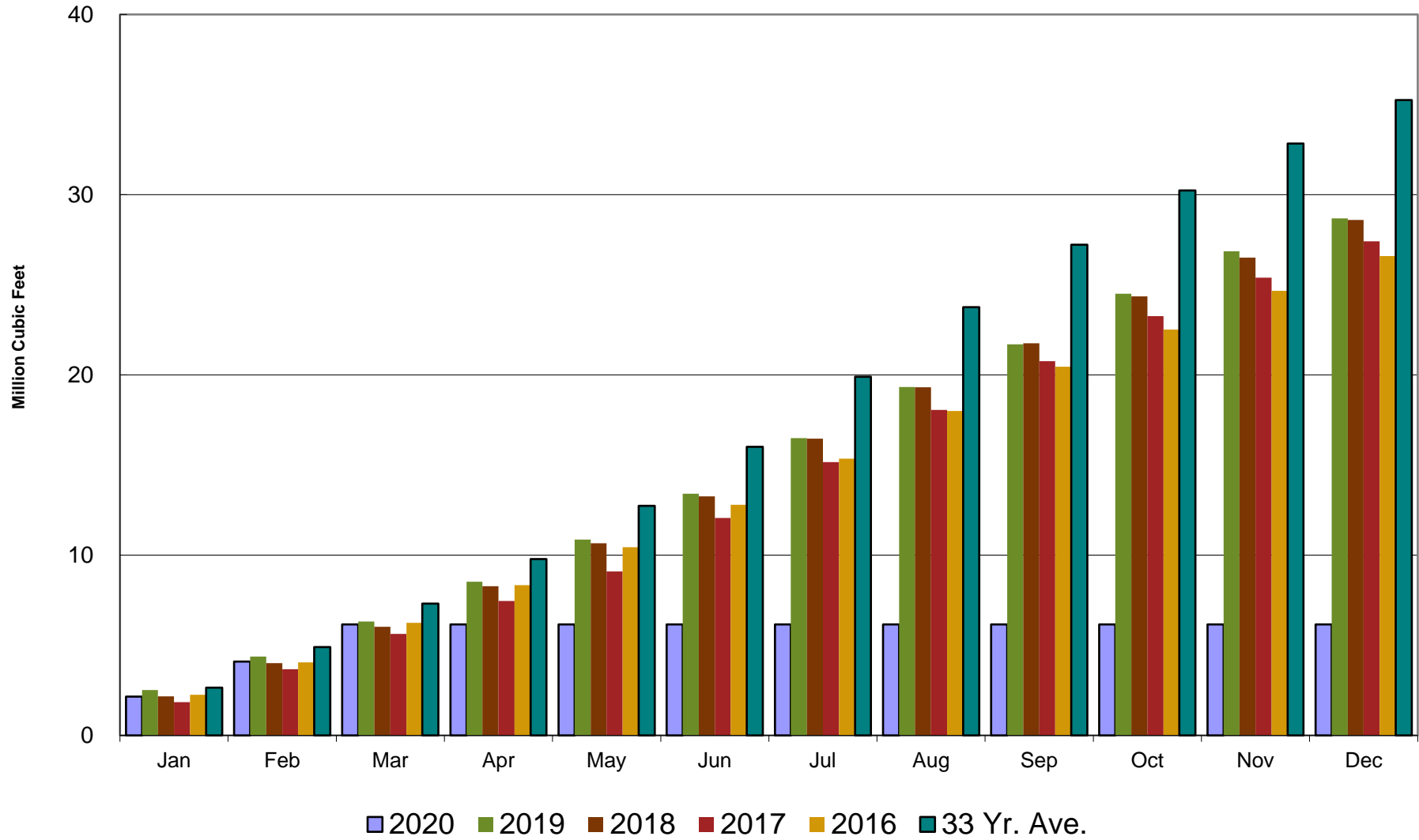
# Crestline Village Water District

## Total Production by Month



# Crestline Village Water District

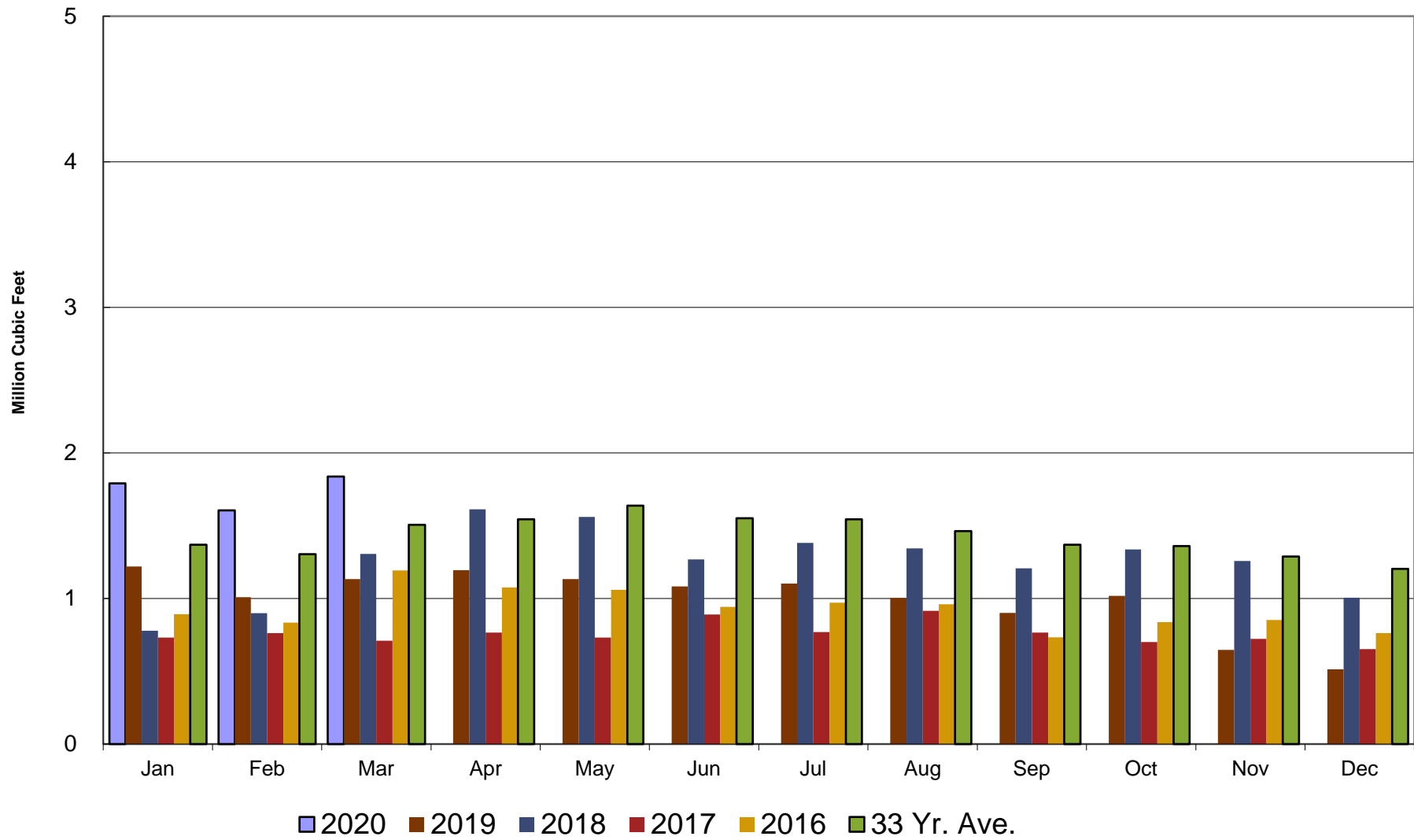
## Total Production Cumulative





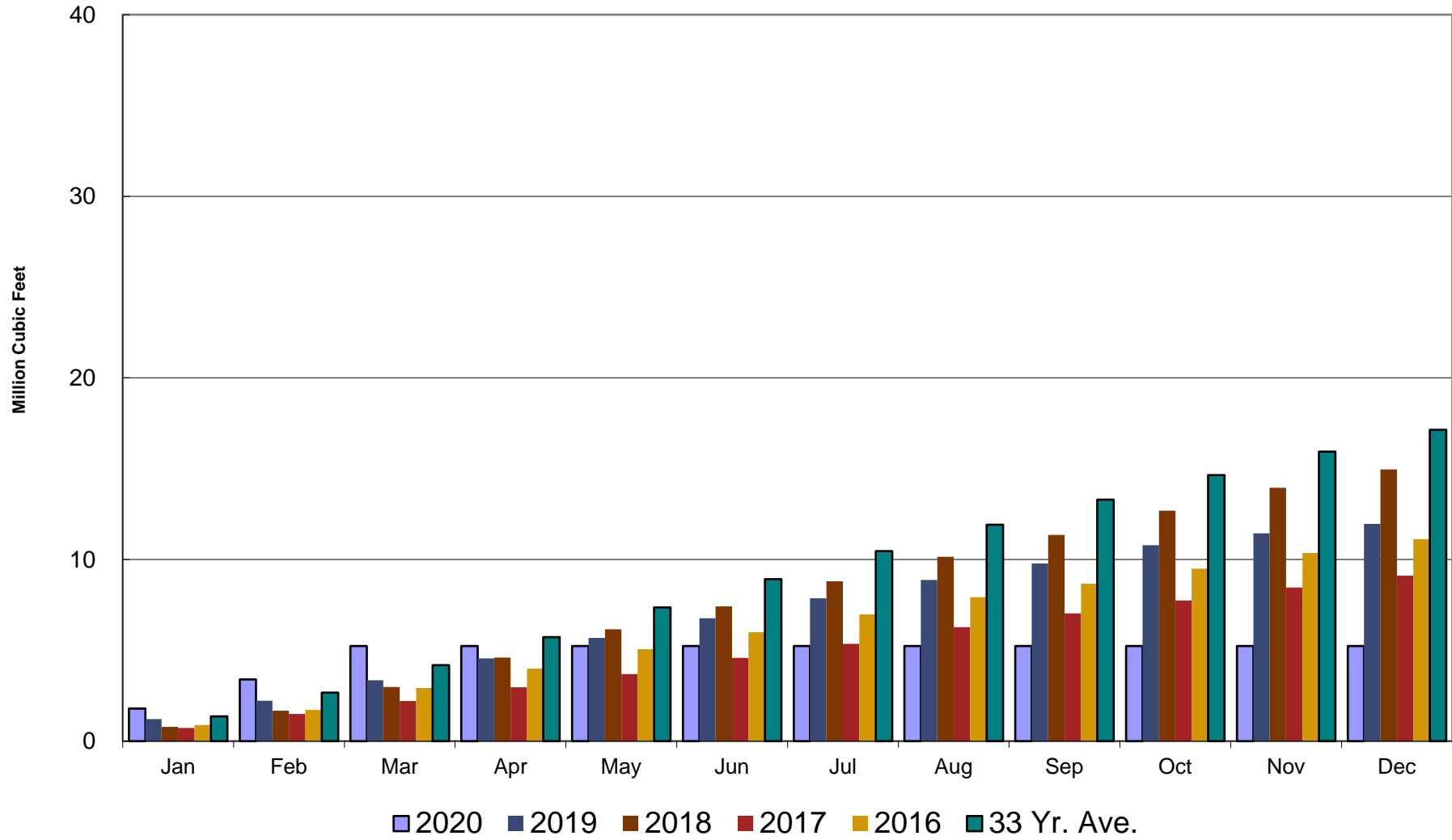
# Crestline Village Water District

## Well Production by Month



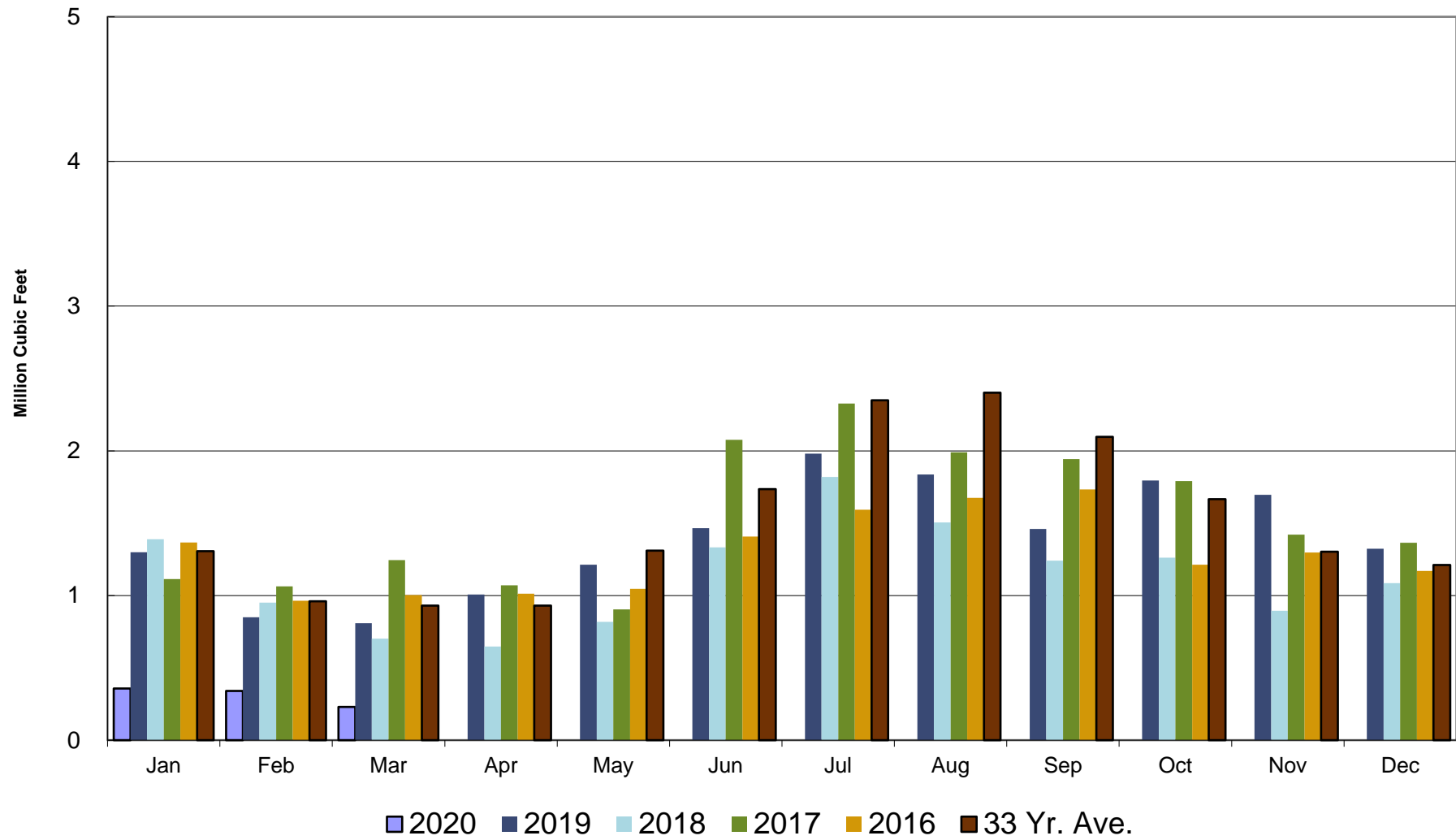
# Crestline Village Water District

## Well Production Cumulative



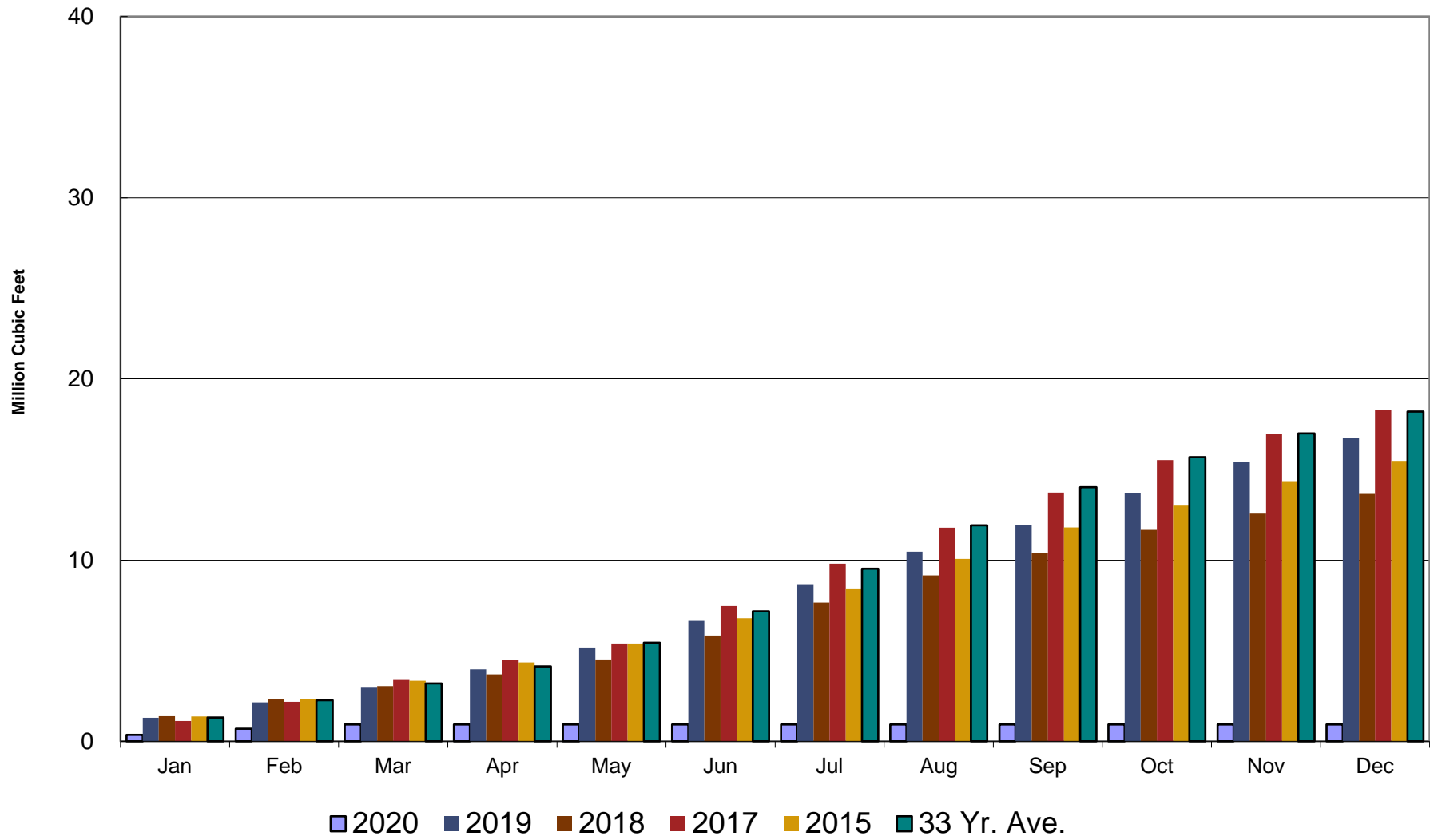
# Crestline Village Water District

## Purchased Water by Month



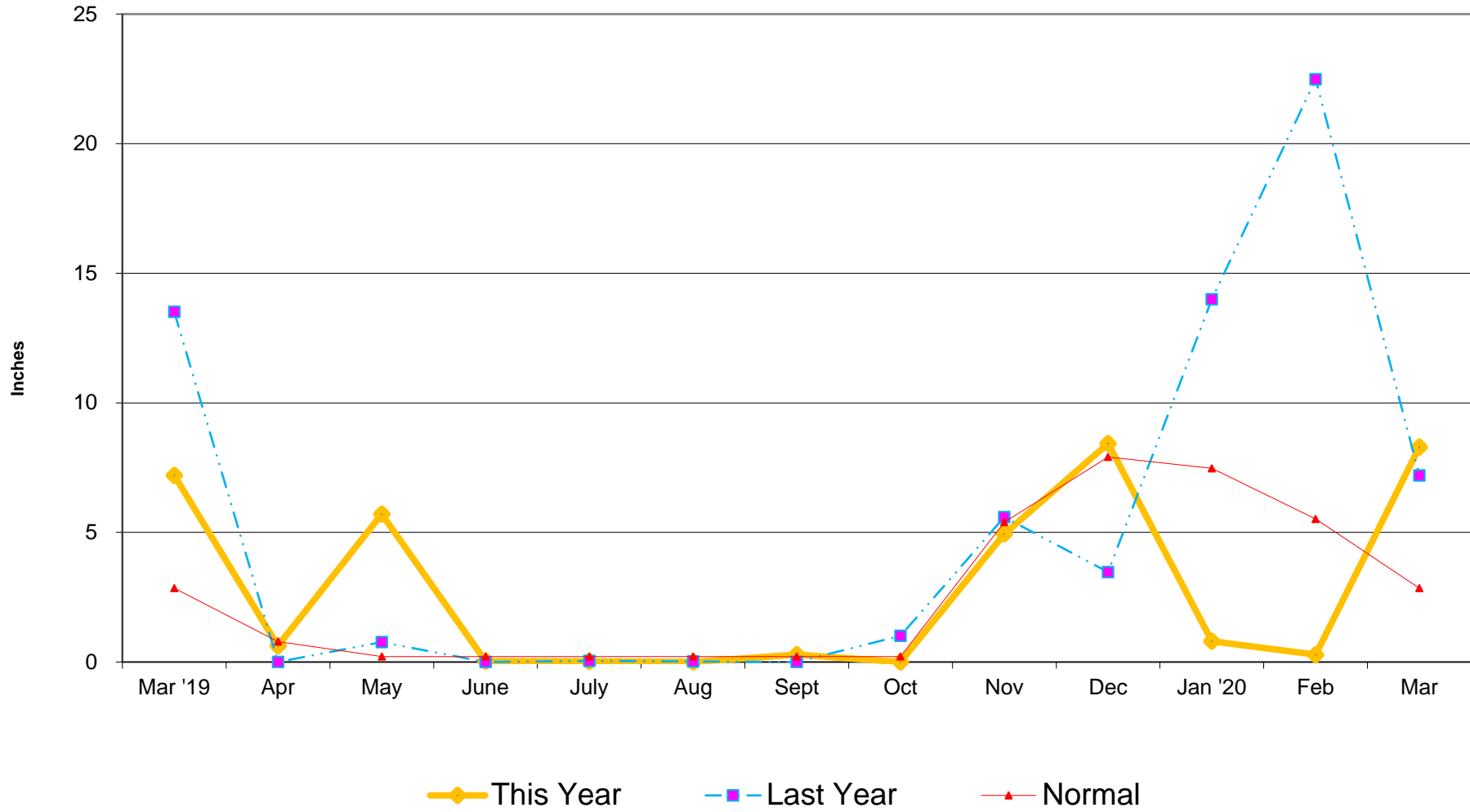
# Crestline Village Water District

## Purchased Water Cumulative



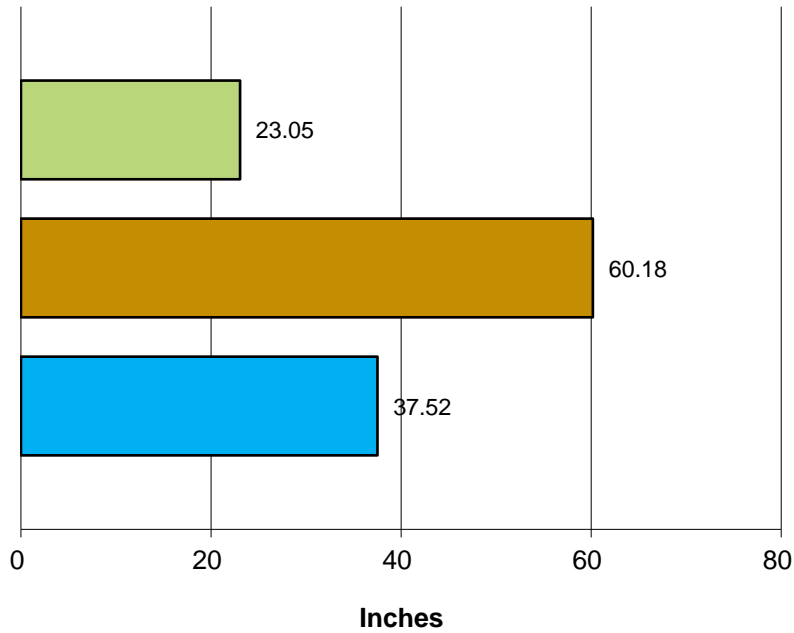
# Crestline Village Water District

## Rainfall - Last 13 Months



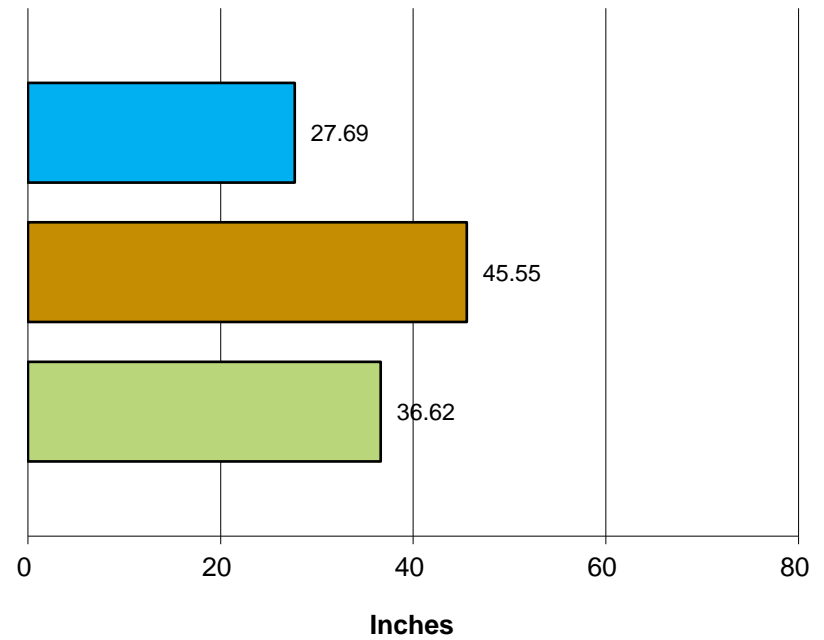
# Crestline Village Water District

### Total Rainfall July 1, 2019 to Beginning of Current Month



■ This Year ■ Last Year ■ Normal

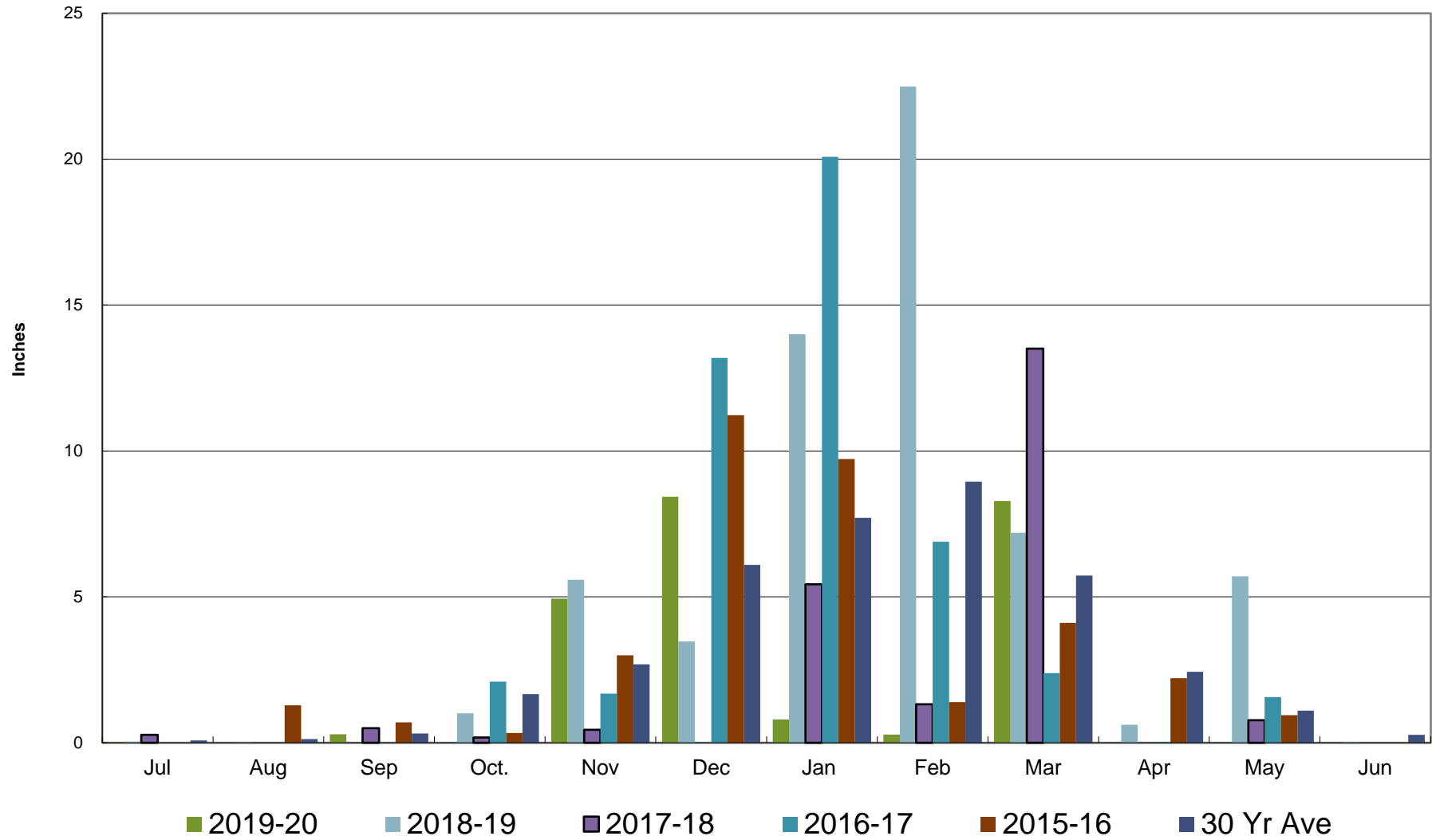
### Total Rainfall Last 12 Months



■ This Year ■ Last Year ■ Normal

# Crestline Village Water District

## Rainfall by Month



# Crestline Village Water District

## Rainfall Cumulative

