

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

02/17/17

	Jan '16	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan '17	Total
<b>Sources of Supply</b>														
Wells	732,462	761,607	710,788	766,045	730,757	889,923	768,682	915,107	765,105	700,645	722,247	653,020	778,620	9,895,008
Purchased Water	1,113,770	1,062,981	1,245,041	1,069,759	903,196	2,075,267	2,326,512	1,989,344	1,942,165	1,791,444	1,420,053	1,363,770	1,388,503	19,691,805
Adjustment to Wells *	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Water Supplied</b>	<b>1,846,232</b>	<b>1,824,588</b>	<b>1,955,829</b>	<b>1,835,804</b>	<b>1,633,953</b>	<b>2,965,190</b>	<b>3,095,194</b>	<b>2,904,451</b>	<b>2,707,270</b>	<b>2,492,089</b>	<b>2,142,300</b>	<b>2,016,790</b>	<b>2,167,123</b>	<b>29,586,813</b>
<b>Water Used **</b>														
<b>Metered Accounts</b>														
Crestline Area	752,261	923,471	868,251	874,686	833,013	1,337,363	1,349,820	1,225,532	1,159,217	1,049,772	920,956	894,009	921,219	13,109,570
Lake Gregory Area	881,270	1,026,174	929,813	915,873	844,358	1,263,358	1,456,293	1,412,630	1,298,386	1,330,923	1,035,068	964,569	1,043,759	14,402,474
Change in Storage	64,800	(6,116)	43,622	(14,604)	(64,285)	63,211	39,580	(38,244)	(5,327)	(3,701)	(12,883)	(61,470)	71,324	75,907
Flushing, System & Other	68,699	14,439	36,219	17,589	16,751	16,052	14,609	15,269	15,829	14,439	15,041	18,450	14,439	277,824
<b>Accounted for Water</b>	<b>1,767,030</b>	<b>1,957,968</b>	<b>1,877,905</b>	<b>1,793,544</b>	<b>1,629,837</b>	<b>2,679,984</b>	<b>2,860,302</b>	<b>2,615,187</b>	<b>2,468,105</b>	<b>2,391,433</b>	<b>1,958,182</b>	<b>1,815,558</b>	<b>2,050,741</b>	<b>27,865,775</b>
<b>System Loss (CF)</b>	79,202	(133,380)	77,924	42,260	4,116	285,206	234,892	289,264	239,165	100,656	184,118	201,232	116,382	1,721,038
<b>System Loss (%)</b>	4.3%	-7.3%	4.0%	2.3%	0.3%	9.6%	7.6%	10.0%	8.8%	4.0%	8.6%	10.0%	5.4%	5.8%
<b>System Loss (GPM)</b>	15.2	(21.0)	13.1	7.3	0.8	43.6	38.1	50.1	41.4	16.9	31.9	34.8	18.9	24.4
<b>Month to Month Averaging ***</b>														
<b>System Loss (CF)</b>	39,601	(27,089)	(27,728)	60,092	23,188	144,661	260,049	262,078	264,215	169,911	142,387	192,675	158,807	1,662,847
<b>System Loss (%)</b>	2.1%	-1.5%	-1.7%	3.1%	1.3%	4.9%	8.6%	8.8%	9.4%	6.4%	6.3%	9.3%	7.7%	5.6%
<b>System Loss (GPM)</b>	7.6	(2.9)	(4.0)	10.2	4.1	22.2	40.9	44.1	45.7	29.1	24.4	33.4	26.9	23.6
<b>Estimated Uses</b>														
Known leaks - Est. loss	802	16,460	2,005	1,334	0	37,656	18,048	7,580	3,850	3,658	0	674	866	92,933
<b>Total Estimated Uses</b>	<b>802</b>	<b>16,460</b>	<b>2,005</b>	<b>1,334</b>	<b>0</b>	<b>37,656</b>	<b>18,048</b>	<b>7,580</b>	<b>3,850</b>	<b>3,658</b>	<b>0</b>	<b>674</b>	<b>866</b>	<b>92,933</b>
<b>Unaccounted for Water (CF)</b>	78,400	(149,840)	75,919	40,926	4,116	247,551	216,844	281,684	235,315	96,998	184,118	200,559	115,516	1,628,104
<b>Unaccounted For (%)</b>	4.3%	-8.2%	3.9%	2.2%	0.3%	8.4%	7.0%	9.7%	8.7%	3.9%	8.6%	9.9%	5.3%	5.5%
<b>Unaccounted For (GPM)</b>	15.1	(23.6)	12.7	7.1	0.8	37.8	35.2	48.8	40.7	16.3	31.9	34.7	18.8	23.1
Number of Days in Period	27	33	31	30	27	34	32	30	30	31	30	30	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

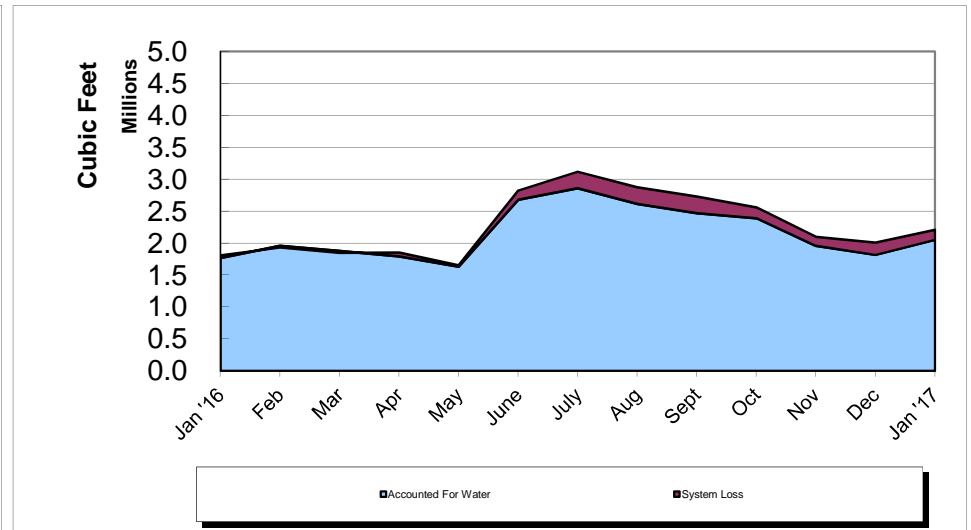
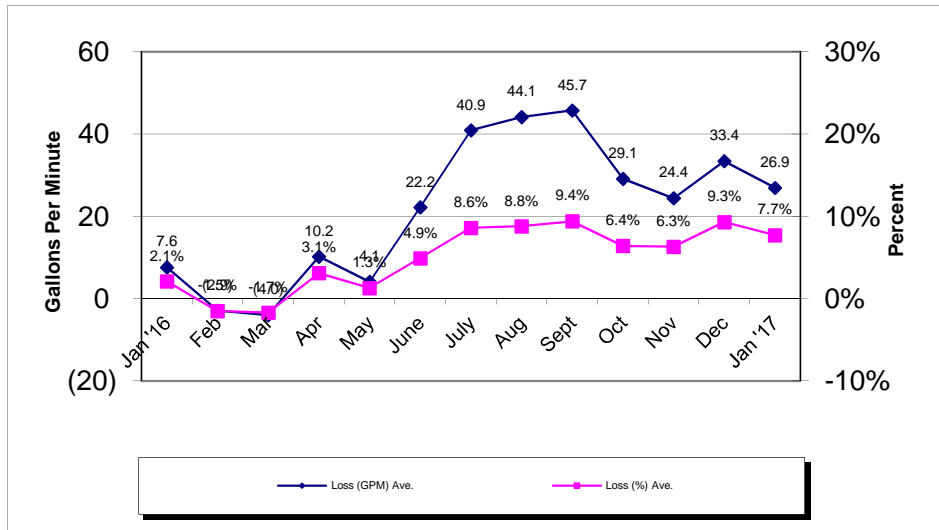
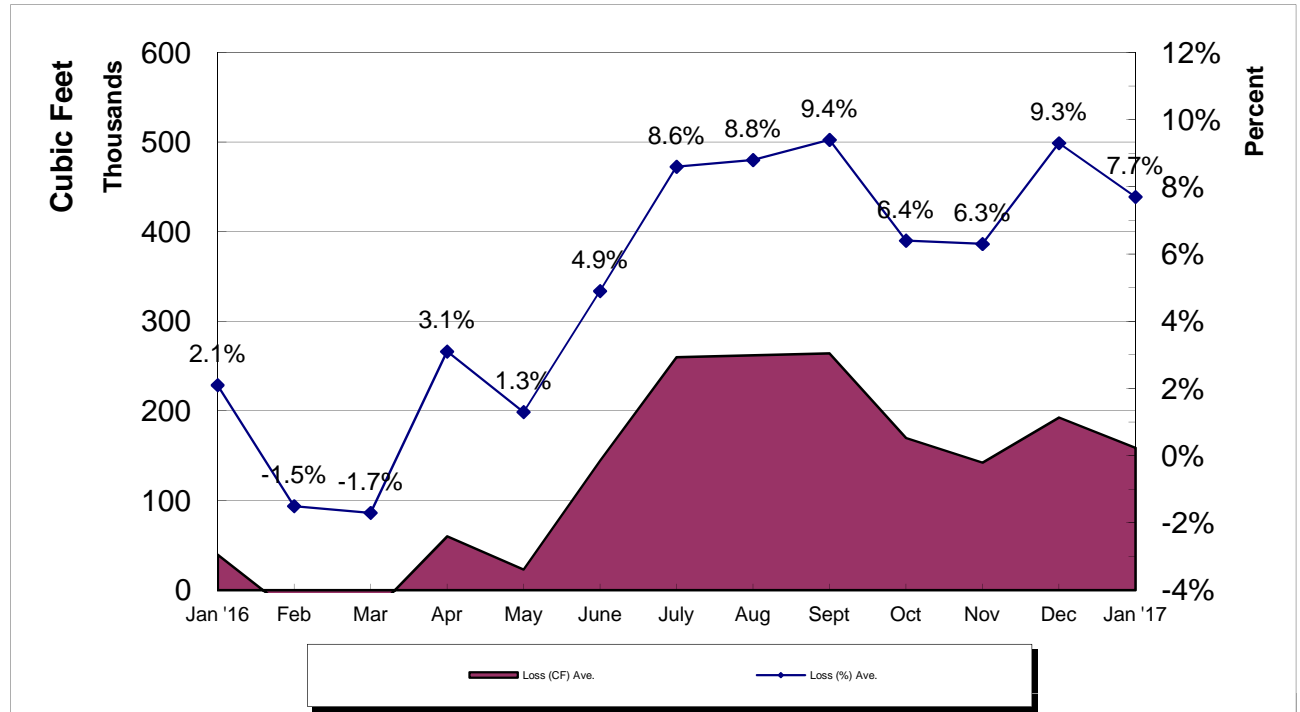
\*\*\* - Month to Month averaging averages the System Loss for each period with the immediately prior period for trending purposes.

System Loss Costs	This Month	Average
Cost of System Loss:	\$4,193	\$3,377
Cost of 5% System Loss:	2,861	3,004
<b>Amount above (below) 5% System Loss</b>	<b>\$1,332</b>	<b>\$373</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: 01/31/17**

**For Month of: January 2017**

Water Storage (Gal)	Capacity	Gallons/ Foot	Level (FT)	Current Storage	% of Capacity
Beacon I & II	385,354	16,754	17.80	298,221	77.39%
Saxon	337,674	14,681	17.51	257,064	76.13%
Pinecrest I & II	2,063,492	54,302	33.02	1,793,052	86.89%
Zurich	380,500	16,910	18.25	308,608	81.11%
Lakeview	1,230,212	27,959	33.92	948,369	77.09%
Old Mill	705,900	27,150	24.48	664,632	94.15%
Barn	444,443	19,753	17.76	350,813	78.93%
Wilson	983,681	33,920	23.80	807,296	82.07%
Chillon	337,674	14,681	16.59	243,558	72.13%
Brookside	748,067	28,772	20.39	586,661	78.42%
Chamois	1,026,532	39,482	21.03	830,306	80.88%
<b>Total</b>	<b>8,643,529</b>		<b>244.55</b>	<b>7,088,580</b>	<b>82.01%</b>

WELLS	Production M-T-D (Cubic Feet)	Status
Altdorf	88,387	On
Pioneer-2	36,621	On
Pioneer-1	84,684	Off
Old Mill Springs	57,620	On
Maple Springs	1,719	Off
Willow Springs	0	Off
Brookside Springs	0	Off
Hillside Springs	0	Off
Pinecrest 1 & 2	34,220	On
Pinecrest Vertical	97,250	On
Cypress Vertical	87,800	On
Anderson Vertical	0	Off
Wilson Springs 1 & 2	68,435	On
Wilson Vertical	1,300	On
Felsen Vertical	62,825	On
Horst	27,287	On
Jewel 64	72,455	On
Cathcart	23,477	On
Bergschrund	0	Off
Chamois	0	Off
Chamois Vertical	34,540	On
	0	0
	0	0
	0	0
Lewter	0	Off
<b>Total</b>	<b>778,620</b>	

C.L.A.W.A.	FLOWS - GPM				Production M-T-D (Cubic Feet)
	Timed	Requested	Variance	% Variance	
CF - Crestline	58	50	8	16.00%	393,048
Mile High 2"	0	0	0	0.00%	0
Mile High 4"	34	30	4	13.33%	173,797
Pinecrest 2"	0	0	0	0.00%	0
Pinecrest 4"	69	100	(31)	-31.00%	821,658
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>161</b>	<b>180</b>	<b>(19)</b>	<b>-10.56%</b>	<b>1,388,503</b>

January Purchases	GPM	Cubic Feet	Wells	GPM	Cubic Feet
Last Year M-T-D:	228.8	1,409,506		149.4	920,368
Actual M-T-D:	225.4	1,388,503		126.4	778,620
Over/(Under) Last Year:	(3.4)	(21,003.0)		(23.0)	(141,748.0)

Total	GPM	Cubic Feet
Last Year M-T-D:	378.2	2,329,874
Actual M-T-D:	351.8	2,167,123
Over/(Under) Last Year:	(26.4)	(162,751.0)

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

02/16/17

<b>Source Name</b>	<b>January '16</b>	<b>February</b>	<b>March</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 '17</b>	<b>Last 12 Months</b>	<b>13 Months</b>
<b>Division 10</b>															
Altdorf	51,088	59,530	62,225	55,446	51,632	59,926	54,522	49,873	49,063	49,621	47,451	49,232	88,387	676,908	727,996
Pioneer #2	32,996	34,008	37,026	34,391	32,876	39,268	36,444	33,624	33,202	33,558	32,463	32,122	36,621	415,603	448,599
Pioneer #1	26,435	31,125	29,380	26,113	24,162	27,775	24,745	22,175	21,515	21,741	20,908	23,026	84,684	357,349	383,784
Old Mill Springs	0	0	0	0	0	15,510	15,990	13,480	12,230	11,960	10,820	10,900	57,620	148,510	148,510
Maple Springs	1,616	1,229	171	171	0	1,879	1,350	1,958	839	96	0	0	1,719	9,412	11,028
Willow Springs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brookside Springs	0	0	0	0	0	11,510	9,830	5,130	3,400	3,740	2,800	0	0	36,410	36,410
Hillside Springs	3,290	3,440	4,180	2,470	5,210	2,550	0	0	0	0	0	0	0	17,850	21,140
Pinecrest	4,360	7,870	10,470	11,830	12,430	15,680	14,050	11,780	9,360	7,270	5,310	4,890	34,220	145,160	149,520
Pinecrest Vertical	88,210	87,560	45,680	103,930	95,570	48,930	0	96,020	113,010	47,580	109,210	83,450	97,250	928,190	1,016,400
Cypress Vertical	84,370	84,340	91,040	52,850	113,710	99,000	93,510	86,590	85,650	88,250	85,450	85,190	87,800	1,053,380	1,137,750
Anderson Vertical	21,900	8,875	400	8,545	517	97,688	120,567	107,490	11,341	6,205	0	0	0	361,628	383,528
Division 10 Totals	314,265	317,977	280,572	295,746	336,107	419,716	371,008	428,120	339,610	270,021	314,412	288,810	488,301	4,150,400	4,464,665
<b>Division 20</b>															
Wilson Springs #1 & 2	54,699	57,492	61,489	57,211	56,677	69,321	65,038	61,273	60,730	59,563	55,399	55,366	68,435	727,994	782,693
Wilson Vertical	97,800	100,700	109,400	80,300	45,800	96,300	114,300	111,700	112,200	110,200	109,400	78,300	1,300	1,069,900	1,167,700
Felsen Vertical	125,550	135,470	96,670	207,470	123,870	132,060	67,434	178,237	112,363	116,928	111,934	90,756	62,825	1,436,017	1,561,567
Horst	28,044	29,747	32,131	29,432	28,761	33,696	30,771	28,170	27,120	26,608	22,690	25,724	27,287	342,137	370,181
Jewell No. 64	60,948	62,581	67,728	40,156	84,564	73,993	64,965	62,466	62,939	66,528	62,680	64,069	72,455	785,124	846,072
Cathcart	14,228	19,217	20,634	18,210	17,363	20,096	18,274	16,704	15,773	15,967	12,652	17,745	23,477	216,112	230,340
Bergschrund	2,142	2,908	3,053	2,524	2,134	1,937	977	155	0	0	0	0	0	13,688	15,830
Chamois	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chamois Vertical	31,130	31,610	34,940	32,580	30,860	37,860	34,760	26,960	34,370	34,830	33,080	32,250	34,540	398,640	429,770
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	3,656	3,905	4,171	2,416	4,621	4,944	1,155	1,322	0	0	0	0	0	22,534	26,190
Division 20 Totals	418,197	443,630	430,216	470,299	394,650	470,207	397,674	486,987	425,495	430,624	407,835	364,210	290,319	5,012,146	5,430,343
<b>Total District Sources</b>	<b>732,462</b>	<b>761,607</b>	<b>710,788</b>	<b>766,045</b>	<b>730,757</b>	<b>889,923</b>	<b>768,682</b>	<b>915,107</b>	<b>765,105</b>	<b>700,645</b>	<b>722,247</b>	<b>653,020</b>	<b>778,620</b>	<b>9,162,546</b>	<b>9,895,008</b>
<b>C.L.A.W.A.</b>															
Crest Forest 6"	303,610	299,064	350,000	327,005	305,481	392,647	369,786	338,636	438,770	419,385	399,064	394,519	393,048	4,427,405	4,731,015
Mile High Park 2"	154,679	162,032	176,190	163,342	33,864	0	0	0	0	0	0	0	0	535,428	690,107
Mile High Park 4"	0	0	0	0	118,449	254,545	339,305	287,834	268,850	233,289	231,818	180,080	173,797	2,087,967	2,087,967
Pinecrest 2"	0	13	0	0	89,813	0	0	0	187	0	0	0	0	90,013	90,013
Pinecrest 4"	631,952	581,283	692,781	555,214	270,588	1,337,433	1,449,332	1,289,171	1,212,567	1,091,444	731,016	744,786	821,658	10,777,273	11,409,225
Lake Drive 2"	0	0	0	0	11,070	0	102,447	5,254	0	0	0	0	0	118,771	118,771
Lake Drive 4"	0	134	0	0	28,075	0	0	0	0	0	0	0	0	28,209	28,209
Camp Seely	23,529	20,455	26,070	24,198	45,856	90,642	65,642	68,449	21,791	47,326	58,155	44,385	0	512,969	536,498
<b>C.L.A.W.A. Totals</b>	<b>1,113,770</b>	<b>1,062,981</b>	<b>1,245,041</b>	<b>1,069,759</b>	<b>903,196</b>	<b>2,075,267</b>	<b>2,326,512</b>	<b>1,989,344</b>	<b>1,942,165</b>	<b>1,791,444</b>	<b>1,420,053</b>	<b>1,363,770</b>	<b>1,388,503</b>	<b>18,578,035</b>	<b>19,691,805</b>
<b>Grand Totals</b>	<b>1,846,232</b>	<b>1,824,588</b>	<b>1,955,829</b>	<b>1,835,804</b>	<b>1,633,953</b>	<b>2,965,190</b>	<b>3,095,194</b>	<b>2,904,451</b>	<b>2,707,270</b>	<b>2,492,089</b>	<b>2,142,300</b>	<b>2,016,790</b>	<b>2,167,123</b>	<b>27,740,581</b>	<b>29,586,813</b>

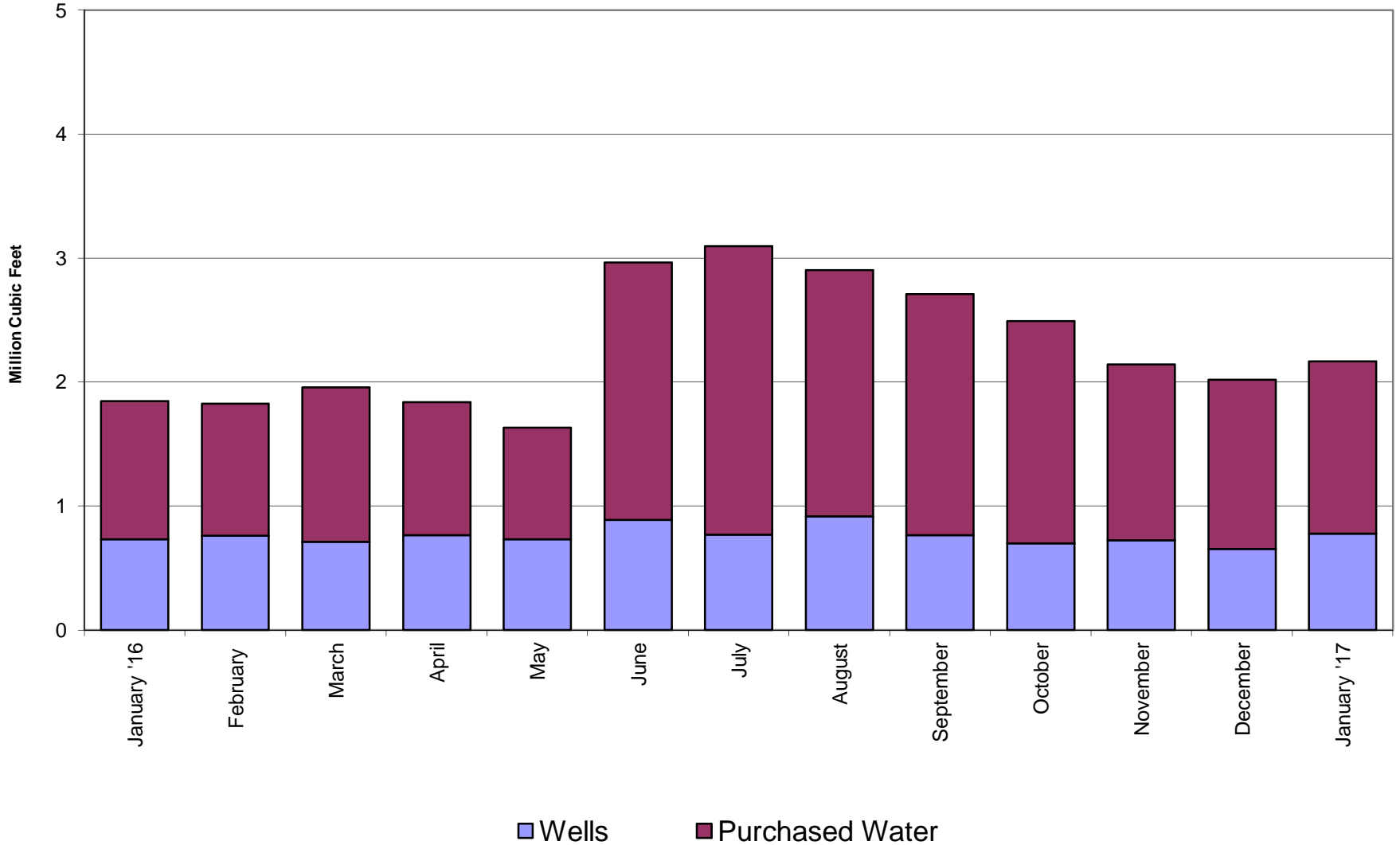
**Crestline Village Water District  
Source of Supply Production Report  
Cubic Feet  
Last 13 Months**

02/16/17

<u>Source Name</u>	<u>January '16</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>January '17</u>	<u>Last 12 Months</u>	<u>13 Months</u>
<b>District Sources</b>															
Division 10	314,265	317,977	280,572	295,746	336,107	419,716	371,008	428,120	339,610	270,021	314,412	288,810	488,301	4,150,400	4,464,665
Division 20	418,197	443,630	430,216	470,299	394,650	470,207	397,674	486,987	425,495	430,624	407,835	364,210	290,319	5,012,146	5,430,343
<b>Total</b>	<b>732,462</b>	<b>761,607</b>	<b>710,788</b>	<b>766,045</b>	<b>730,757</b>	<b>889,923</b>	<b>768,682</b>	<b>915,107</b>	<b>765,105</b>	<b>700,645</b>	<b>722,247</b>	<b>653,020</b>	<b>778,620</b>	<b>9,162,546</b>	<b>9,895,008</b>
Division 10	42.91%	41.75%	39.47%	38.61%	45.99%	47.16%	48.27%	46.78%	44.39%	38.54%	43.53%	44.23%	62.71%	45.30%	45.12%
Division 20	57.09%	58.25%	60.53%	61.39%	54.01%	52.84%	51.73%	53.22%	55.61%	61.46%	56.47%	55.77%	37.29%	54.70%	54.88%
<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	732,462	761,607	710,788	766,045	730,757	889,923	768,682	915,107	765,105	700,645	722,247	653,020	778,620	9,162,546	9,895,008
C.L.A.W.A.	1,113,770	1,062,981	1,245,041	1,069,759	903,196	2,075,267	2,326,512	1,989,344	1,942,165	1,791,444	1,420,053	1,363,770	1,388,503	18,578,035	19,691,805
<b>Total Sources</b>	<b>1,846,232</b>	<b>1,824,588</b>	<b>1,955,829</b>	<b>1,835,804</b>	<b>1,633,953</b>	<b>2,965,190</b>	<b>3,095,194</b>	<b>2,904,451</b>	<b>2,707,270</b>	<b>2,492,089</b>	<b>2,142,300</b>	<b>2,016,790</b>	<b>2,167,123</b>	<b>27,740,581</b>	<b>29,586,813</b>
District Sources	39.67%	41.74%	36.34%	41.73%	44.72%	30.01%	24.83%	31.51%	28.26%	28.11%	33.71%	32.38%	35.93%	33.03%	33.44%
C.L.A.W.A.	60.33%	58.26%	63.66%	58.27%	55.28%	69.99%	75.17%	68.49%	71.74%	71.89%	66.29%	67.62%	64.07%	66.97%	66.56%
<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>

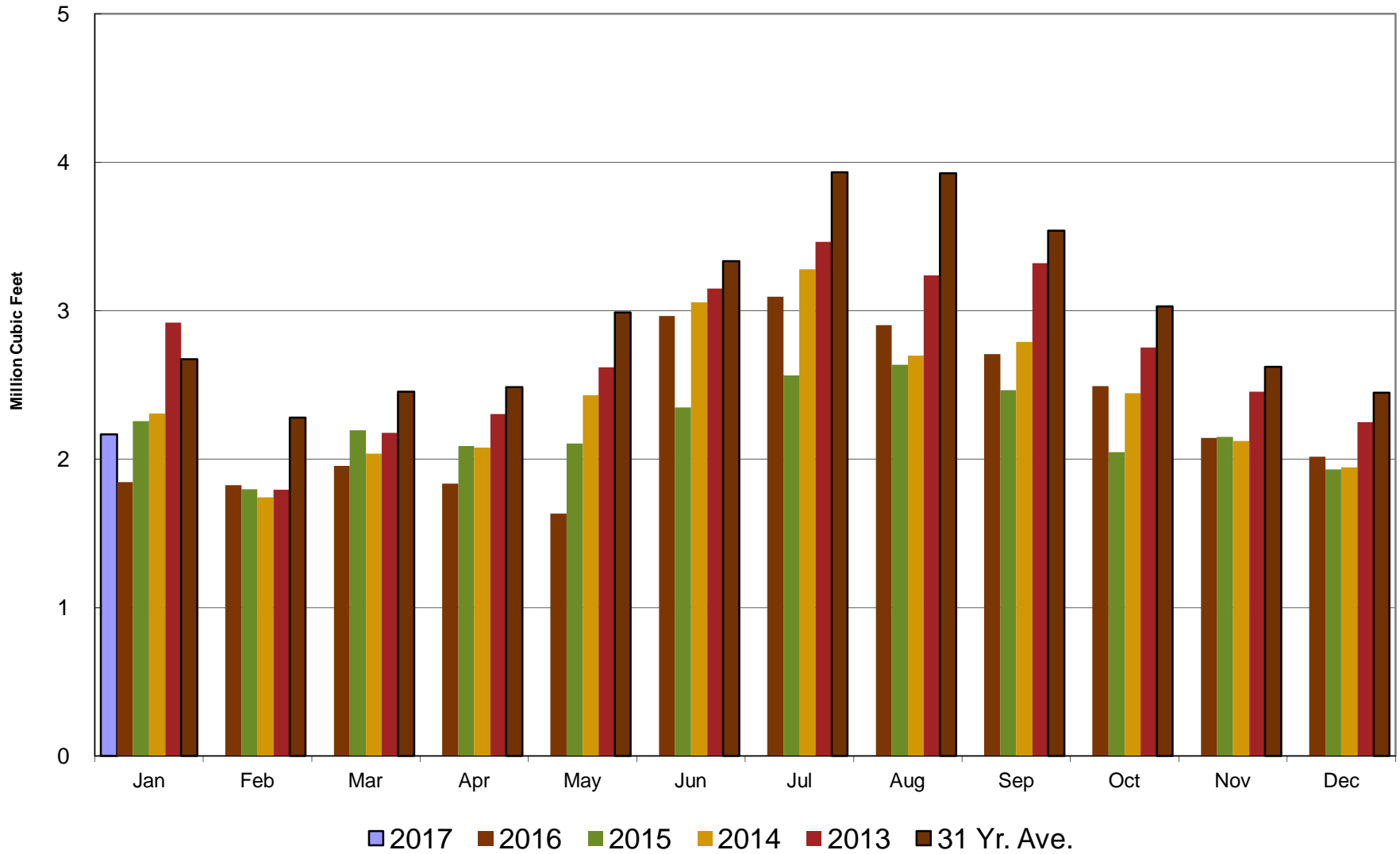
# Crestline Village Water District

## Water Sources - Last 13 Months



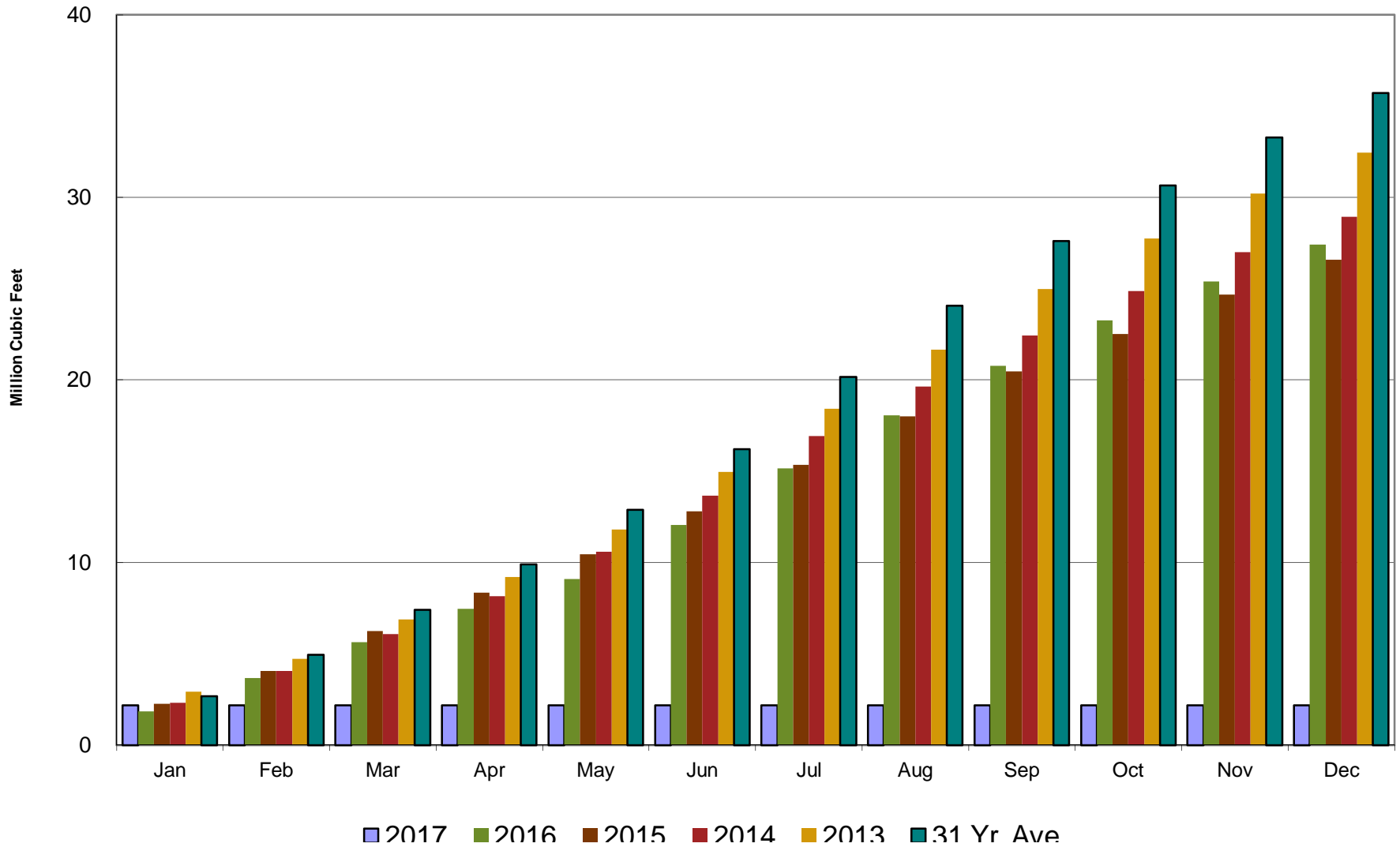
# Crestline Village Water District

## Total Production by Month



# Crestline Village Water District

## Total Production Cumulative

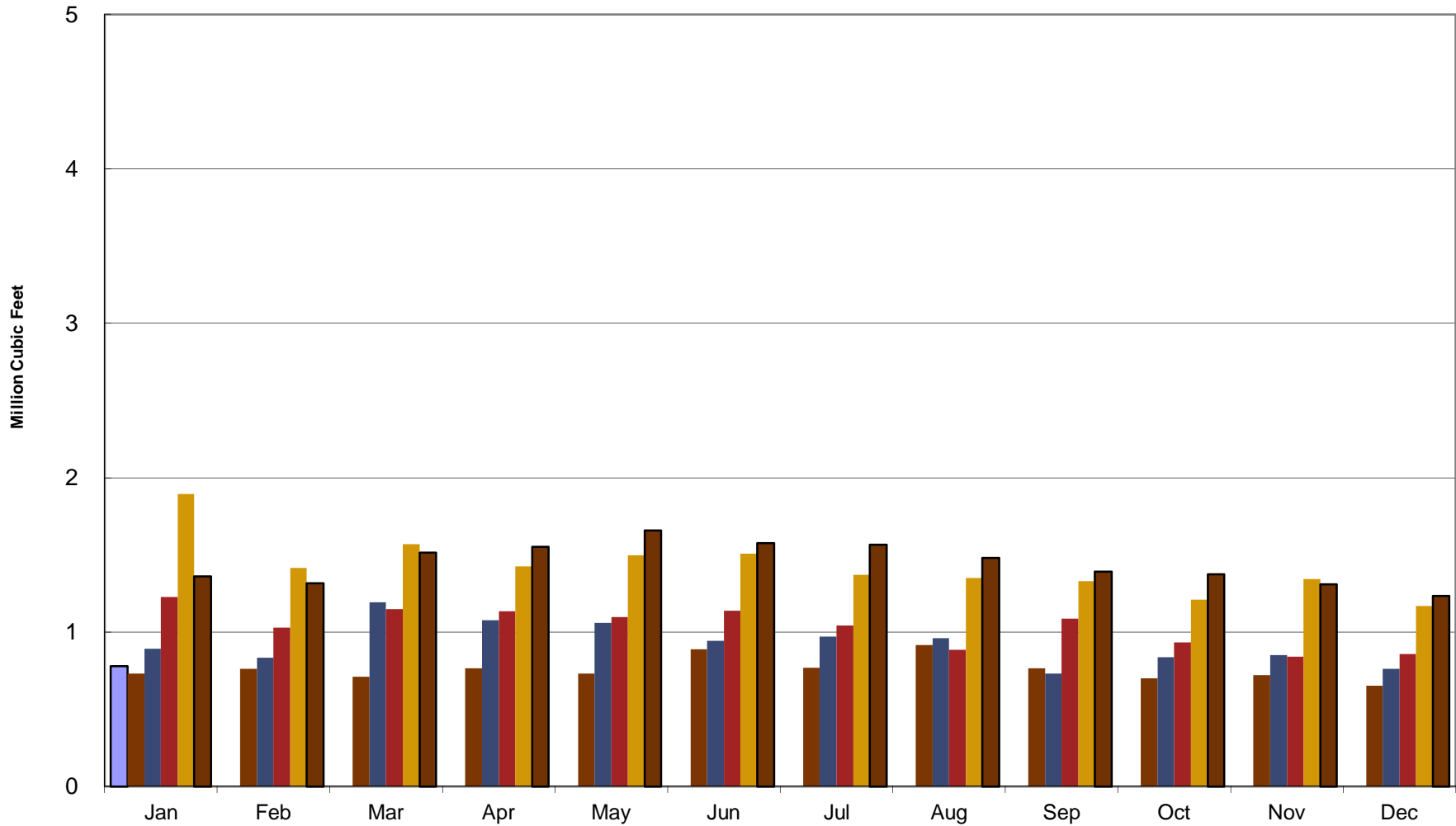




# Crestline Village Water District

2017 2018 2019 2014 2015 2011 Avg.

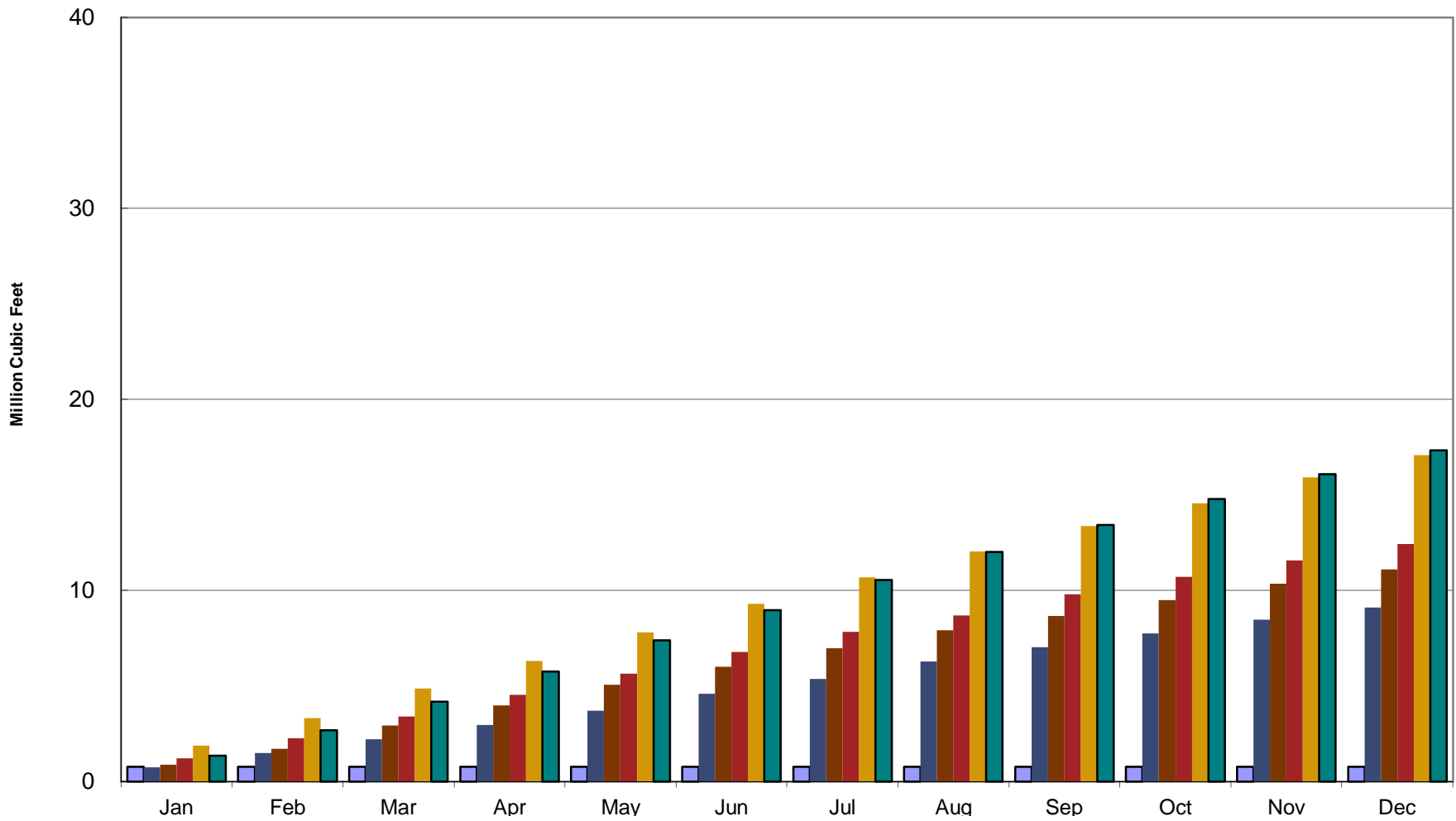
## Well Production by Month



# Crestline Village Water District

2017 2016 2015 2014 2013 31 Yr. Ave.

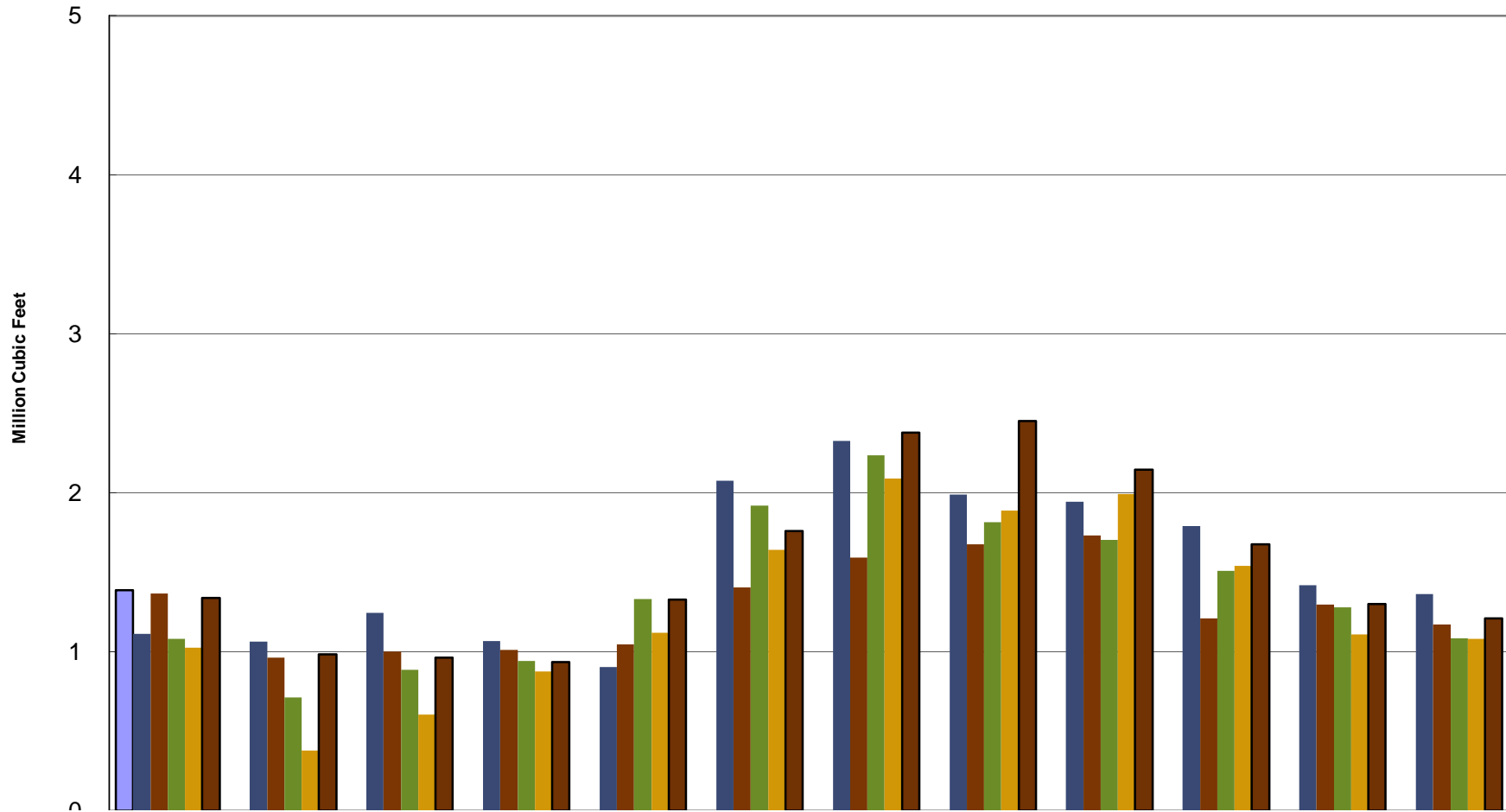
## Well Production Cumulative



# Crestline Village Water District

2017 2016 2015 2014 2013 31 Yr. Ave.

## Purchased Water by Month

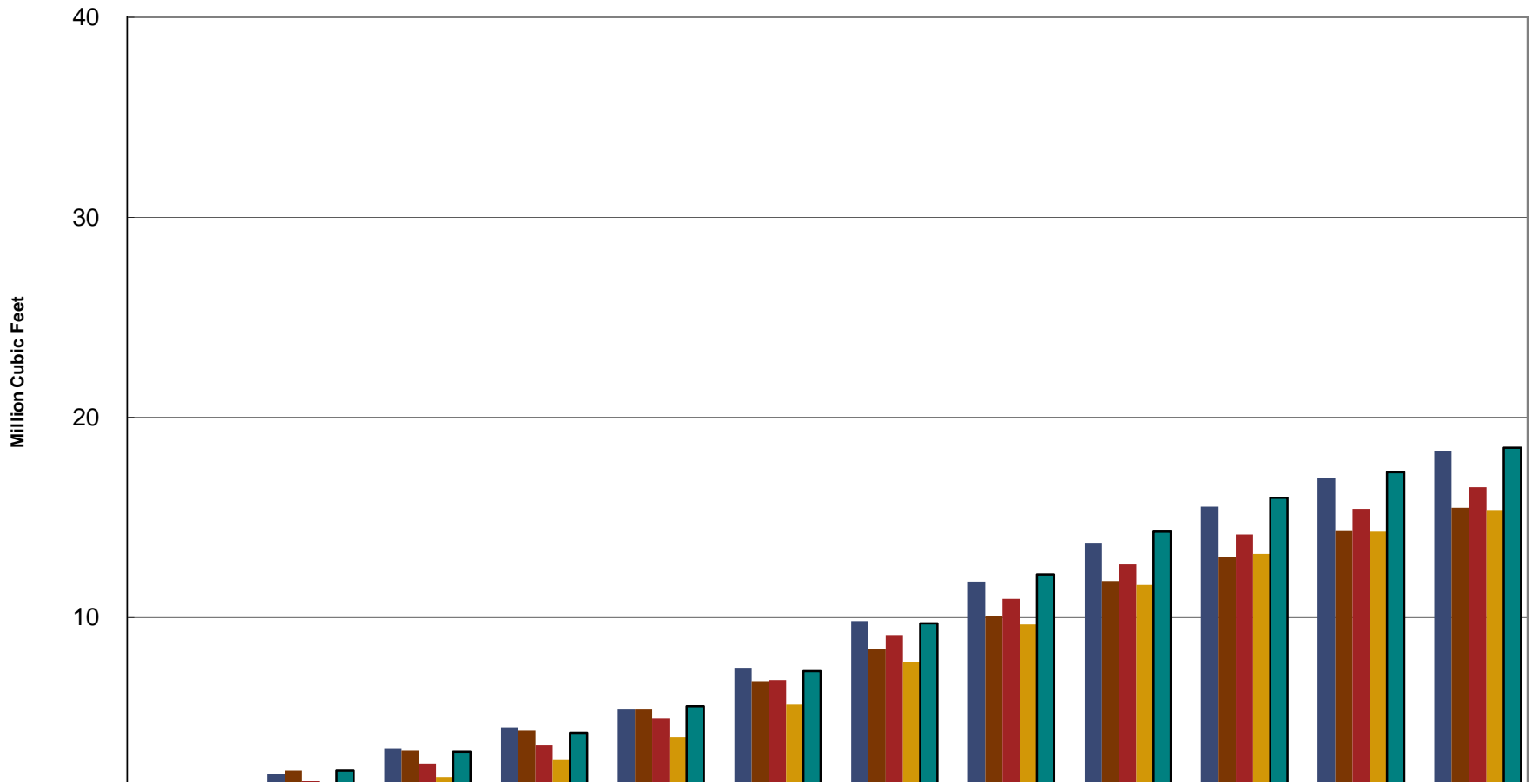


# Crestline Village Water District

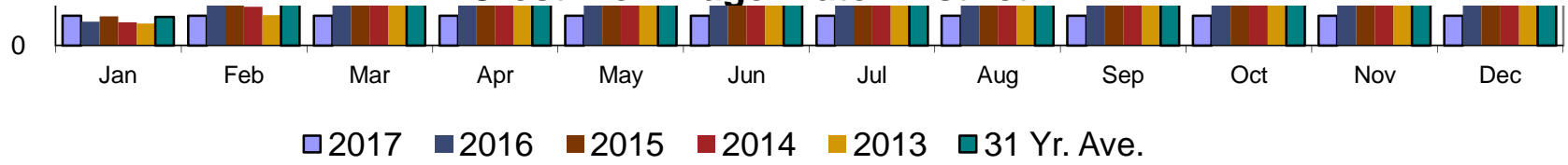
U Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec

2017 2016 2015 2014 2013 31 Yr. Ave.

## Purchased Water Cumulative

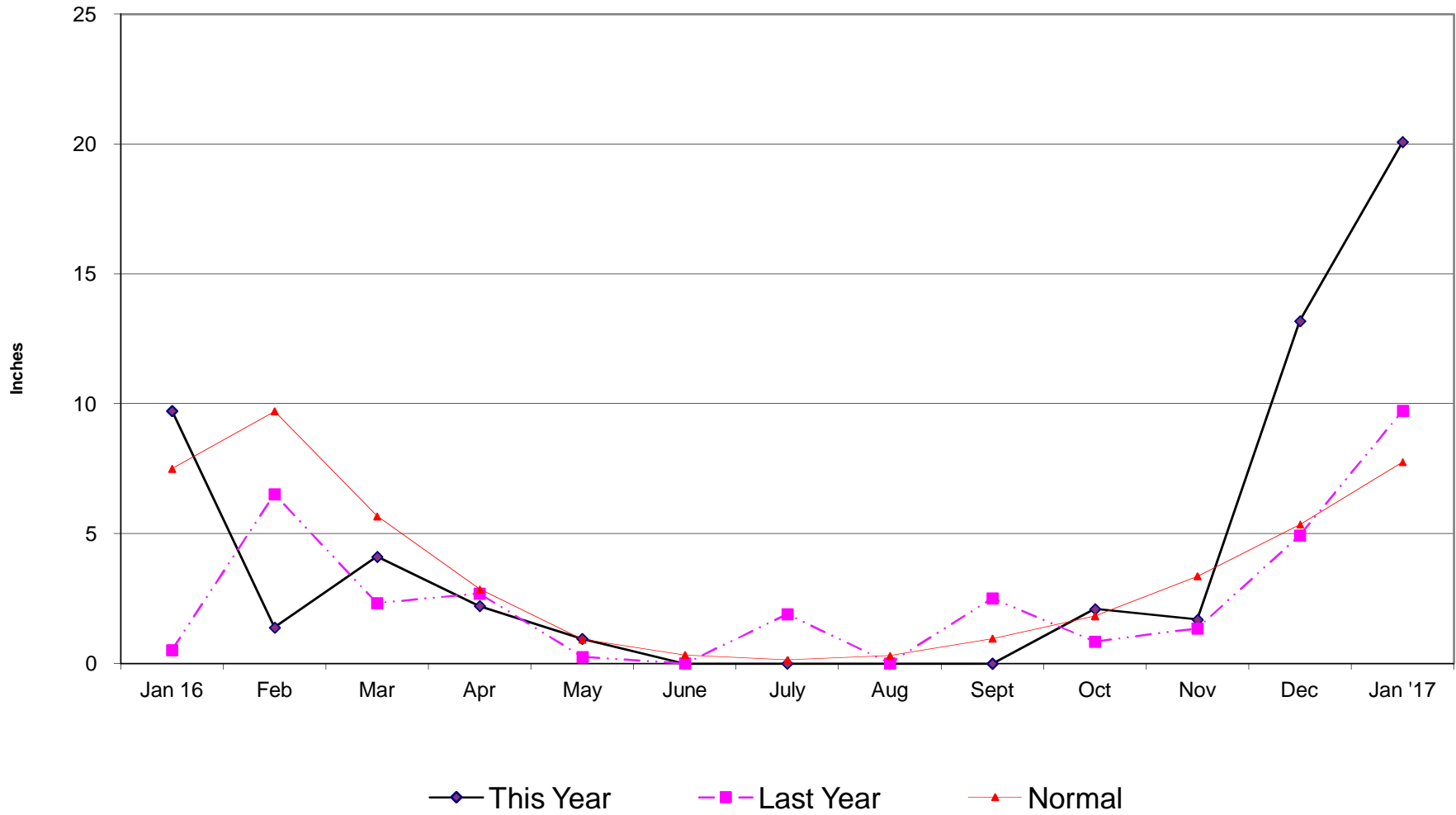


# Crestline Village Water District



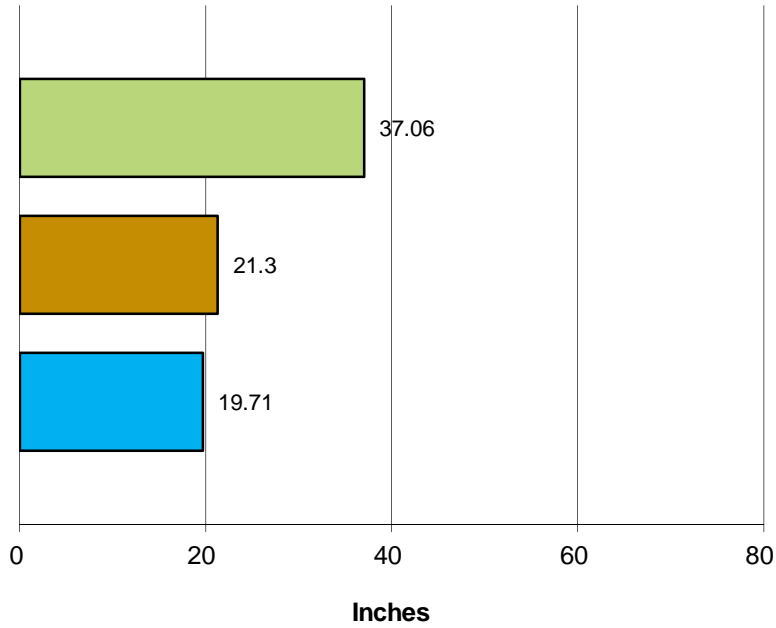
# Crestline Village Water District

## Rainfall - Last 13 Months



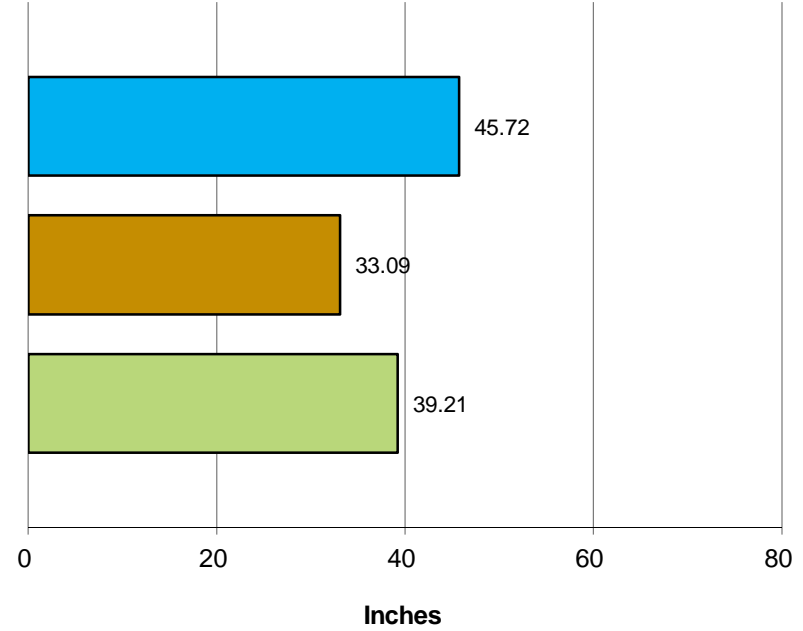
# Crestline Village Water District

## Total Rainfall July 1, 2016 to Beginning of Current Month



■ This Year ■ Last Year ■ Normal

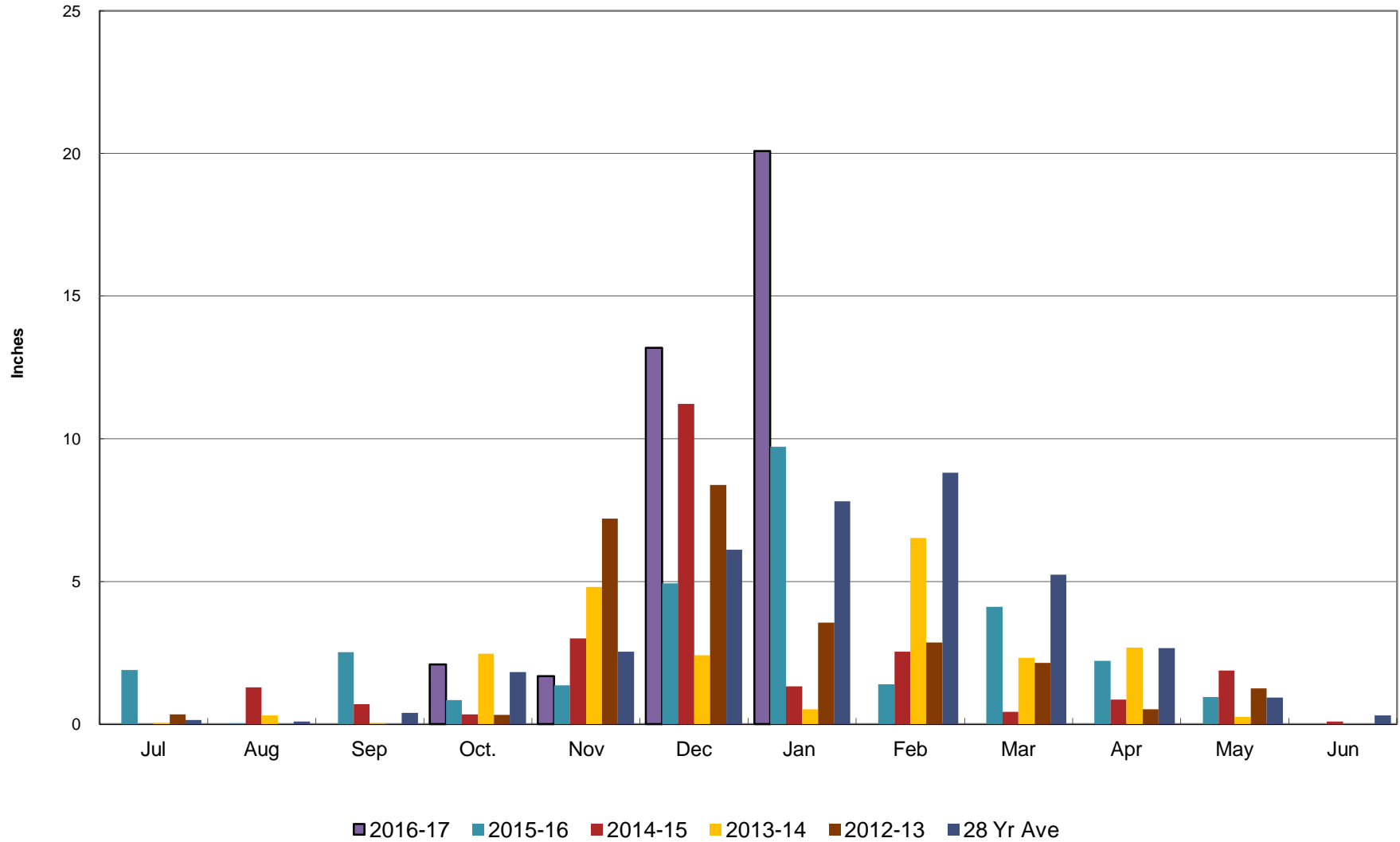
## Total Rainfall Last 12 Months



■ This Year ■ Last Year ■ Normal

# Crestline Village Water District

## Rainfall by Month





# Crestline Village Water District

## Rainfall Cumulative

