

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

06/16/17

	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan '17	Feb	Mar	Apr	May	Total
<b>Sources of Supply</b>														
Wells	730,757	889,923	768,682	915,107	765,105	700,645	722,247	653,020	778,620	898,292	1,305,512	1,277,540	1,559,470	11,964,920
Purchased Water	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	950,936	701,884	647,139	818,102	18,318,315
Adjustment to Wells *	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Water Supplied</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>1,849,228</b>	<b>2,007,396</b>	<b>1,924,679</b>	<b>2,377,572</b>	<b>30,283,235</b>
<b>Water Used **</b>														
Metered Accounts														
Crestline Area	833,013	1,337,363	1,349,820	1,225,532	1,159,217	1,049,772	920,956	894,009	921,219	797,663	882,949	870,336	1,091,651	13,333,500
Lake Gregory Area	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	835,789	920,132	891,457	1,129,907	14,426,629
Change in Storage	(64,285)	63,211	39,580	(38,244)	(5,327)	(3,701)	(12,883)	(61,470)	71,324	19,087	(64,285)	(1,349)	(54,056)	(112,398)
Flushing, System & Other	16,751	16,052	14,609	15,269	15,829	14,439	15,041	18,450	14,439	14,439	17,567	44,940	17,333	235,157
<b>Accounted for Water</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>1,666,978</b>	<b>1,756,363</b>	<b>1,805,384</b>	<b>2,184,835</b>	<b>27,882,888</b>
<b>System Loss (CF)</b>	4,116	285,206	234,892	289,264	239,165	100,656	184,118	201,232	116,382	182,250	251,033	119,295	192,737	2,400,347
<b>System Loss (%)</b>	0.3%	9.6%	7.6%	10.0%	8.8%	4.0%	8.6%	10.0%	5.4%	9.9%	12.5%	6.2%	8.1%	7.9%
<b>System Loss (GPM)</b>	0.8	43.6	38.1	50.1	41.4	16.9	31.9	34.8	18.9	33.8	42.1	22.1	30.3	34.2
<b>Month to Month Averaging ***</b>														
<b>System Loss (CF)</b>	2,058	144,661	260,049	262,078	264,215	169,911	142,387	192,675	158,807	149,316	216,642	185,164	156,016	2,303,979
<b>System Loss (%)</b>	0.1%	4.9%	8.6%	8.8%	9.4%	6.4%	6.3%	9.3%	7.7%	7.6%	11.2%	9.4%	7.2%	7.6%
<b>System Loss (GPM)</b>	0.4	22.2	40.9	44.1	45.7	29.1	24.4	33.4	26.9	26.4	37.9	32.1	26.2	32.8
<b>Estimated Uses</b>														
Known leaks - Est. loss	0	37,656	18,048	7,580	3,850	3,658	0	674	866	1,925	28,107	144	0	102,508
<b>Total Estimated Uses</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>1,925</b>	<b>28,107</b>	<b>144</b>	<b>0</b>	<b>102,508</b>
<b>Unaccounted for Water (CF)</b>	4,116	247,551	216,844	281,684	235,315	96,998	184,118	200,559	115,516	180,325	222,926	119,151	192,737	2,297,838
<b>Unaccounted For (%)</b>	0.3%	8.4%	7.0%	9.7%	8.7%	3.9%	8.6%	9.9%	5.3%	9.8%	11.1%	6.2%	8.1%	7.6%
<b>Unaccounted For (GPM)</b>	0.8	37.8	35.2	48.8	40.7	16.3	31.9	34.7	18.8	33.5	37.4	22.1	30.3	32.7
Number of Days in Period	27	34	32	30	30	31	30	30	32	28	31	28	33	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

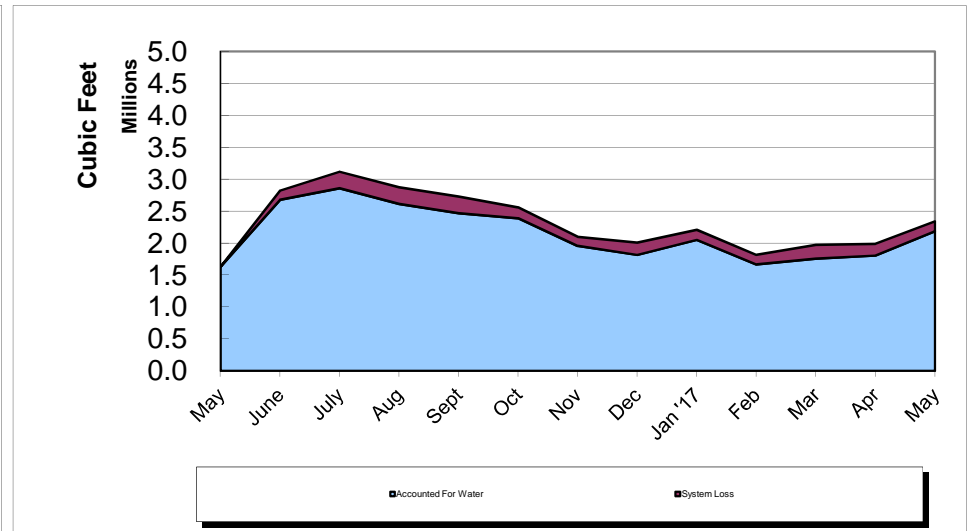
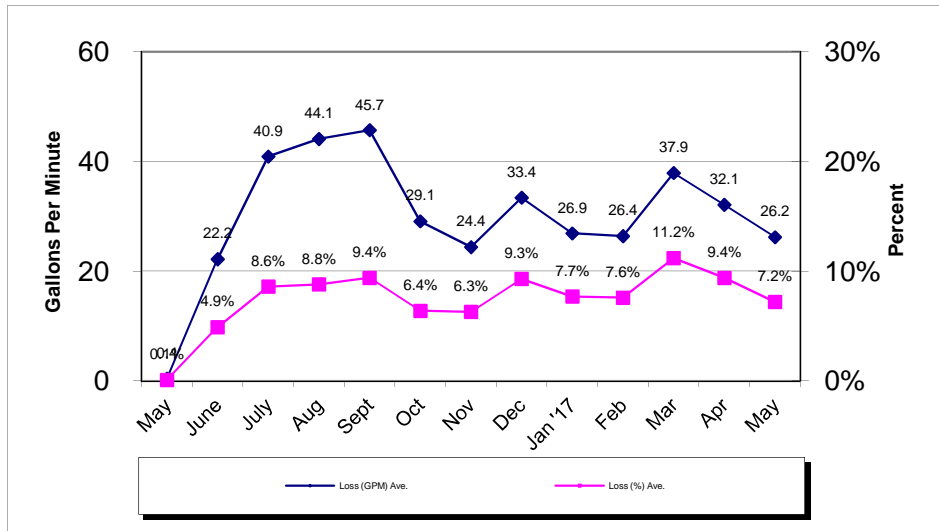
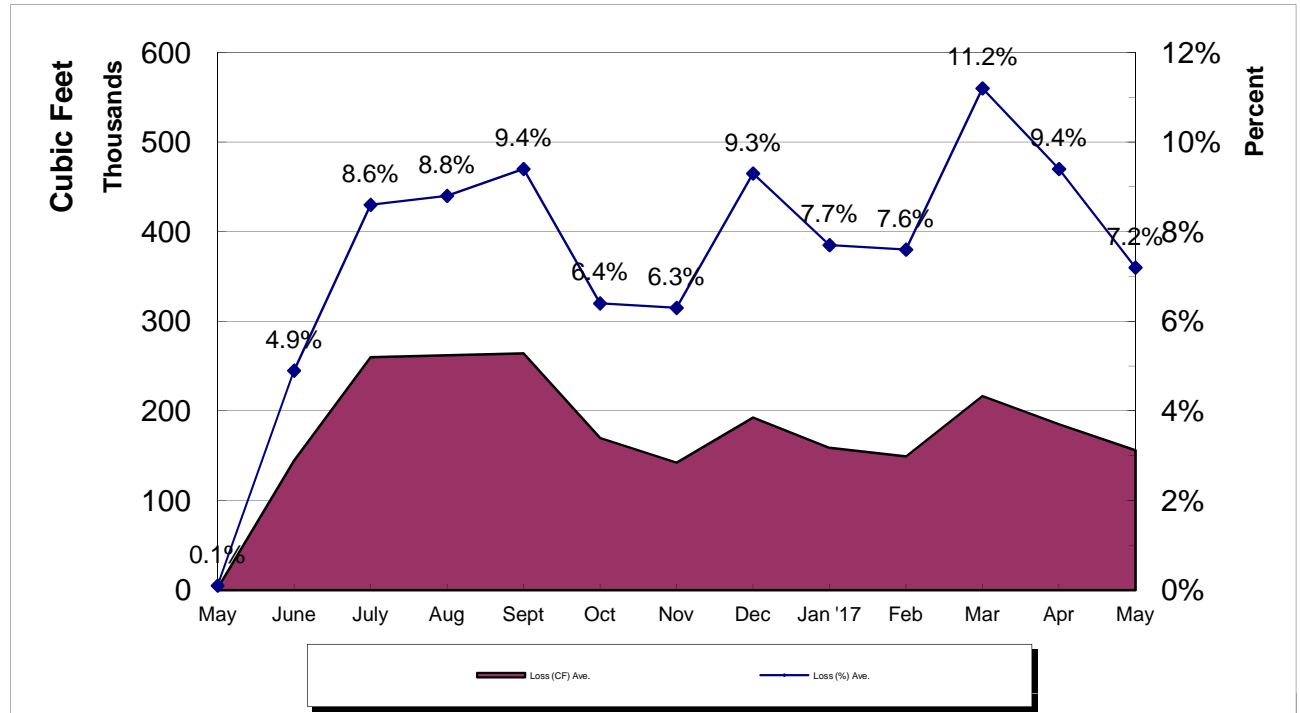
\*\*\* - Month to Month averaging averages the System Loss for each period with the immediately prior period for trending purposes.

System Loss Costs	This Month	Average
Cost of System Loss:	\$4,119	\$4,679
Cost of 5% System Loss:	3,138	3,075
<b>Amount above (below) 5% System Loss</b>	<b>\$981</b>	<b>\$1,604</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: 05/31/17

For Month of: May 2017

Water Storage (Gal)	Capacity	Gallons/ Foot	Level (FT)	Current Storage	% of Capacity
Beacon I & II	385,354	16,754	18.41	308,441	80.04%
Saxon	337,674	14,681	17.31	254,128	75.26%
Pinecrest I & II	2,063,492	54,302	24.90	1,352,120	65.53%
Zurich	380,500	16,910	18.38	310,806	81.68%
Lakeview	1,230,212	27,959	33.92	948,369	77.09%
Old Mill	705,900	27,150	22.69	616,034	87.27%
Barn	444,443	19,753	17.52	346,073	77.87%
Wilson	983,681	33,920	27.21	922,963	93.83%
Chillon	337,674	14,681	16.55	242,971	71.95%
Brookside	748,067	28,772	19.17	551,559	73.73%
Chamois	1,026,532	39,482	21.92	865,445	84.31%
<b>Total</b>	<b>8,643,529</b>		<b>237.98</b>	<b>6,718,909</b>	<b>77.73%</b>

WELLS	Production M-T-D (Cubic Feet)	Status
Altdorf	76,194	On
Pioneer-2	43,679	On
Pioneer-1	40,904	On
Old Mill Springs	57,190	On
Maple Springs	27,498	On
Willow Springs	51,180	On
Brookside Springs	40,440	On
Hillside Springs	0	Off
Pinecrest 1 & 2	96,940	On
Pinecrest Vertical	205,800	On
Cypress Vertical	114,440	On
Anderson Vertical	149,098	On
Wilson Springs 1 & 2	141,445	On
Wilson Vertical	156,623	On
Felsen Vertical	153,576	On
Horst	74,267	On
Jewel 64	74,801	On
Cathcart	29,895	On
Bergschrund	25,500	On
Chamois	0	Off
Chamois Vertical	0	Off
	0	0
	0	0
	0	0
Lewter	0	Off
<b>Total</b>	<b>1,559,470</b>	

C.L.A.W.A.	FLOWS - GPM				Production M-T-D (Cubic Feet)
	Timed	Requested	Variance	% Variance	
CF - Crestline	45	50	(5)	-10.00%	231,016
Mile High 2"	0	0	0	0.00%	0
Mile High 4"	30	30	0	0.00%	193,984
Pinecrest 2"	75	120	(45)	-37.50%	393,102
Pinecrest 4"	0	0	0	0.00%	0
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>150</b>	<b>200</b>	<b>(50)</b>	<b>-25.00%</b>	<b>818,102</b>

May Purchases	GPM	Cubic Feet	Wells	GPM	Cubic Feet
Last Year M-T-D:	169.9	1,079,365		172.0	1,092,706
Actual M-T-D:	128.8	818,102		245.5	1,559,470
Over/(Under) Last Year:	(41.1)	(261,263.0)		73.5	466,764.0

Total	GPM	Cubic Feet
Last Year M-T-D:	341.9	2,172,071
Actual M-T-D:	374.3	2,377,572
Over/(Under) Last Year:	32.4	205,501.0

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

06/16/17

<b>Source Name</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>February</b>	<b>March</b>	<b>April</b>	<b>May</b>	<b>Last 12 Months</b>	<b>13 Months</b>
<b>Division 10</b>															
Altdorf	51,632	59,926	54,522	49,873	49,063	49,621	47,451	49,232	88,387	87,143	87,303	5,952	76,194	704,667	756,299
Pioneer #2	32,876	39,268	36,444	33,624	33,202	33,558	32,463	32,122	36,621	35,712	40,847	24,155	43,679	421,695	454,571
Pioneer #1	24,162	27,775	24,745	22,175	21,515	21,741	20,908	23,026	84,684	445	38,754	25,153	40,904	351,825	375,987
Old Mill Springs	0	15,510	15,990	13,480	12,230	11,960	10,820	10,900	57,620	60,850	74,420	64,070	57,190	405,040	405,040
Maple Springs	0	1,879	1,350	1,958	839	96	0	0	1,719	0	32,944	16,328	27,498	84,611	84,611
Willow Springs	0	0	0	0	0	0	0	0	0	0	68,290	54,070	51,180	173,540	173,540
Brookside Springs	0	11,510	9,830	5,130	3,400	3,740	2,800	0	0	0	32,000	36,710	40,440	145,560	145,560
Hillside Springs	5,210	2,550	0	0	0	0	0	0	0	0	0	0	0	2,550	7,760
Pinecrest	12,430	15,680	14,050	11,780	9,360	7,270	5,310	4,890	34,220	27,130	83,050	84,140	96,940	393,820	406,250
Pinecrest Vertical	95,570	48,930	0	96,020	113,010	47,580	109,210	83,450	97,250	92,760	146,310	164,870	205,800	1,205,190	1,300,760
Cypress Vertical	113,710	99,000	93,510	86,590	85,650	88,250	85,450	85,190	87,800	82,470	90,810	83,430	114,440	1,082,590	1,196,300
Anderson Vertical	517	97,688	120,567	107,490	11,341	6,205	0	0	0	119,791	136,809	130,872	149,098	879,861	880,378
<b>Division 10 Totals</b>	<b>336,107</b>	<b>419,716</b>	<b>371,008</b>	<b>428,120</b>	<b>339,610</b>	<b>270,021</b>	<b>314,412</b>	<b>288,810</b>	<b>488,301</b>	<b>506,301</b>	<b>831,537</b>	<b>689,750</b>	<b>903,363</b>	<b>5,850,949</b>	<b>6,187,056</b>
<b>Division 20</b>															
Wilson Springs #1 & 2	56,677	69,321	65,038	61,273	60,730	59,563	55,399	55,366	68,435	77,620	114,448	120,999	141,445	949,637	1,006,314
Wilson Vertical	45,800	96,300	114,300	111,700	112,200	110,200	109,400	78,300	1,300	54,300	120,130	130,227	156,623	1,194,980	1,240,780
Felsen Vertical	123,870	132,060	67,434	178,237	112,363	116,928	111,934	90,756	62,825	99,466	15,372	129,320	153,576	1,270,271	1,394,141
Horst	28,761	33,696	30,771	28,170	27,120	26,608	22,690	25,724	27,287	33,458	51,446	59,343	74,267	440,580	469,341
Jewell No. 64	84,564	73,993	64,965	62,466	62,939	66,528	62,680	64,069	72,455	69,505	82,502	64,753	74,801	821,656	906,220
Cathcart	17,363	20,096	18,274	16,704	15,773	15,967	12,652	17,745	23,477	26,872	31,016	27,489	29,895	255,960	273,323
Bergschrund	2,134	1,937	977	155	0	0	0	0	0	0	23,901	23,719	25,500	76,189	78,323
Chamois	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chamois Vertical	30,860	37,860	34,760	26,960	34,370	34,830	33,080	32,250	34,540	30,770	35,160	31,940	0	366,520	397,380
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	4,621	4,944	1,155	1,322	0	0	0	0	0	0	0	0	0	7,421	12,042
<b>Division 20 Totals</b>	<b>394,650</b>	<b>470,207</b>	<b>397,674</b>	<b>486,987</b>	<b>425,495</b>	<b>430,624</b>	<b>407,835</b>	<b>364,210</b>	<b>290,319</b>	<b>391,991</b>	<b>473,975</b>	<b>587,790</b>	<b>656,107</b>	<b>5,383,214</b>	<b>5,777,864</b>
<b>Total District Sources</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>898,292</b>	<b>1,305,512</b>	<b>1,277,540</b>	<b>1,559,470</b>	<b>11,234,163</b>	<b>11,964,920</b>
<b>C.L.A.W.A.</b>															
Crest Forest 6"	305,481	392,647	369,786	338,636	438,770	419,385	399,064	394,519	393,048	255,882	244,251	44,118	231,016	3,921,122	4,226,603
Mile High Park 2"	33,864	0	0	0	0	0	0	0	0	0	0	0	0	0	33,864
Mile High Park 4"	118,449	254,545	339,305	287,834	268,850	233,289	231,818	180,080	173,797	160,428	184,492	163,636	193,984	2,672,058	2,790,507
Pinecrest 2"	89,813	0	0	0	187	0	0	0	0	0	112,981	364,118	393,102	870,388	960,201
Pinecrest 4"	270,588	1,337,433	1,449,332	1,289,171	1,212,567	1,091,444	731,016	744,786	821,658	534,626	160,160	0	0	9,372,193	9,642,781
Lake Drive 2"	11,070	0	102,447	5,254	0	0	0	0	0	0	0	0	0	107,701	118,771
Lake Drive 4"	28,075	0	0	0	0	0	0	0	0	0	0	0	0	0	28,075
Camp Seely	45,856	90,642	65,642	68,449	21,791	47,326	58,155	44,385	0	0	0	75,267	0	471,657	517,513
<b>C.L.A.W.A. Totals</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>950,936</b>	<b>701,884</b>	<b>647,139</b>	<b>818,102</b>	<b>17,415,119</b>	<b>18,318,315</b>
<b>Grand Totals</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>1,849,228</b>	<b>2,007,396</b>	<b>1,924,679</b>	<b>2,377,572</b>	<b>28,649,282</b>	<b>30,283,235</b>

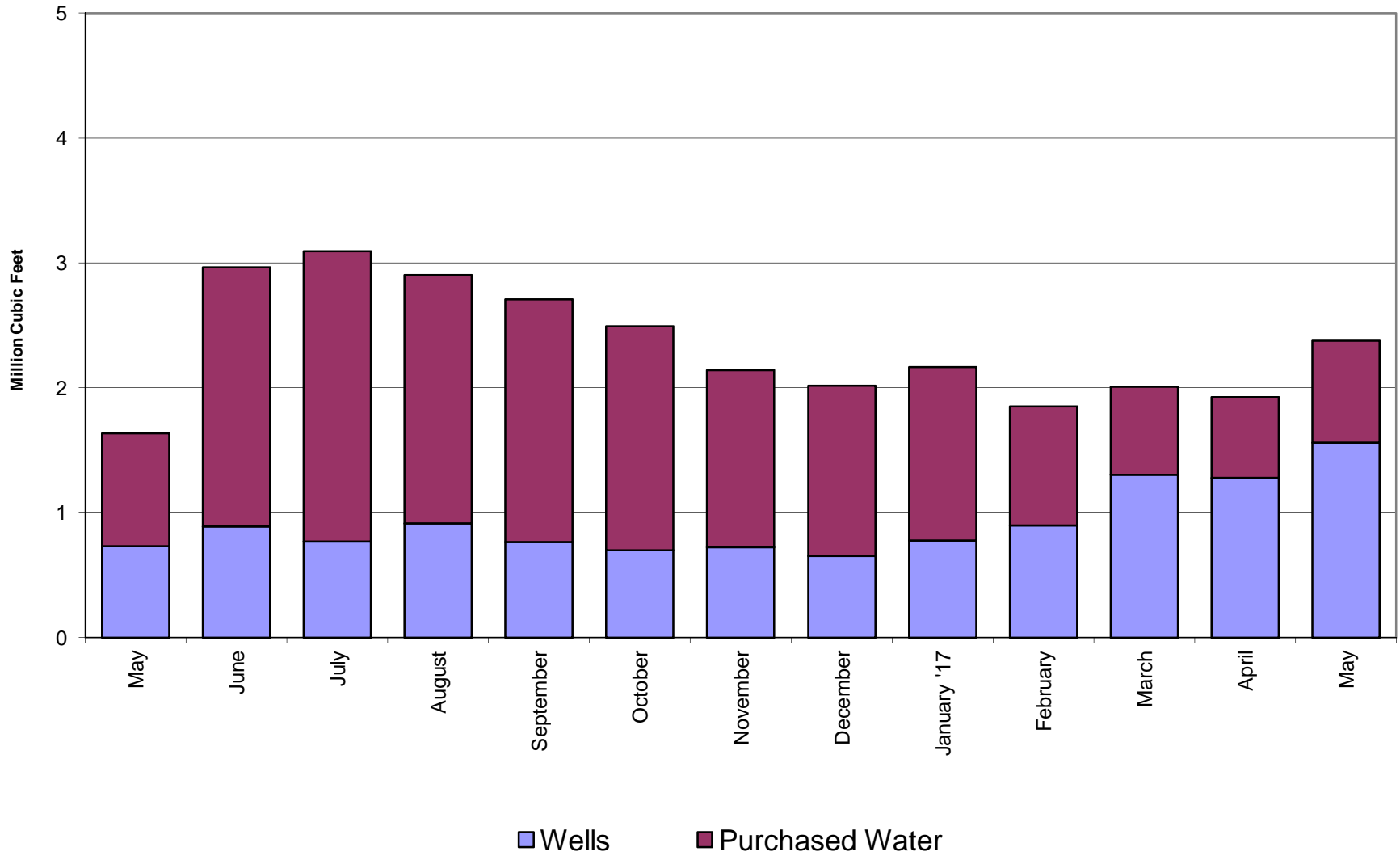
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06/16/17

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<b>District Sources</b>															
Division 10	336,107	419,716	371,008	428,120	339,610	270,021	314,412	288,810	488,301	506,301	831,537	689,750	903,363	5,850,949	6,187,056
Division 20	394,650	470,207	397,674	486,987	425,495	430,624	407,835	364,210	290,319	391,991	473,975	587,790	656,107	5,383,214	5,777,864
<b>Total</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>898,292</b>	<b>1,305,512</b>	<b>1,277,540</b>	<b>1,559,470</b>	<b>11,234,163</b>	<b>11,964,920</b>
Division 10	45.99%	47.16%	48.27%	46.78%	44.39%	38.54%	43.53%	44.23%	62.71%	56.36%	63.69%	53.99%	57.93%	52.08%	51.71%
Division 20	54.01%	52.84%	51.73%	53.22%	55.61%	61.46%	56.47%	55.77%	37.29%	43.64%	36.31%	46.01%	42.07%	47.92%	48.29%
<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	730,757	889,923	768,682	915,107	765,105	700,645	722,247	653,020	778,620	898,292	1,305,512	1,277,540	1,559,470	11,234,163	11,964,920
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<b>Total Sources</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>1,849,228</b>	<b>2,007,396</b>	<b>1,924,679</b>	<b>2,377,572</b>	<b>28,649,282</b>	<b>30,283,235</b>
District Sources	44.72%	30.01%	24.83%	31.51%	28.26%	28.11%	33.71%	32.38%	35.93%	48.58%	65.04%	66.38%	65.59%	39.21%	39.51%
C.L.A.W.A.	55.28%	69.99%	75.17%	68.49%	71.74%	71.89%	66.29%	67.62%	64.07%	51.42%	34.96%	33.62%	34.41%	60.79%	60.49%
<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>

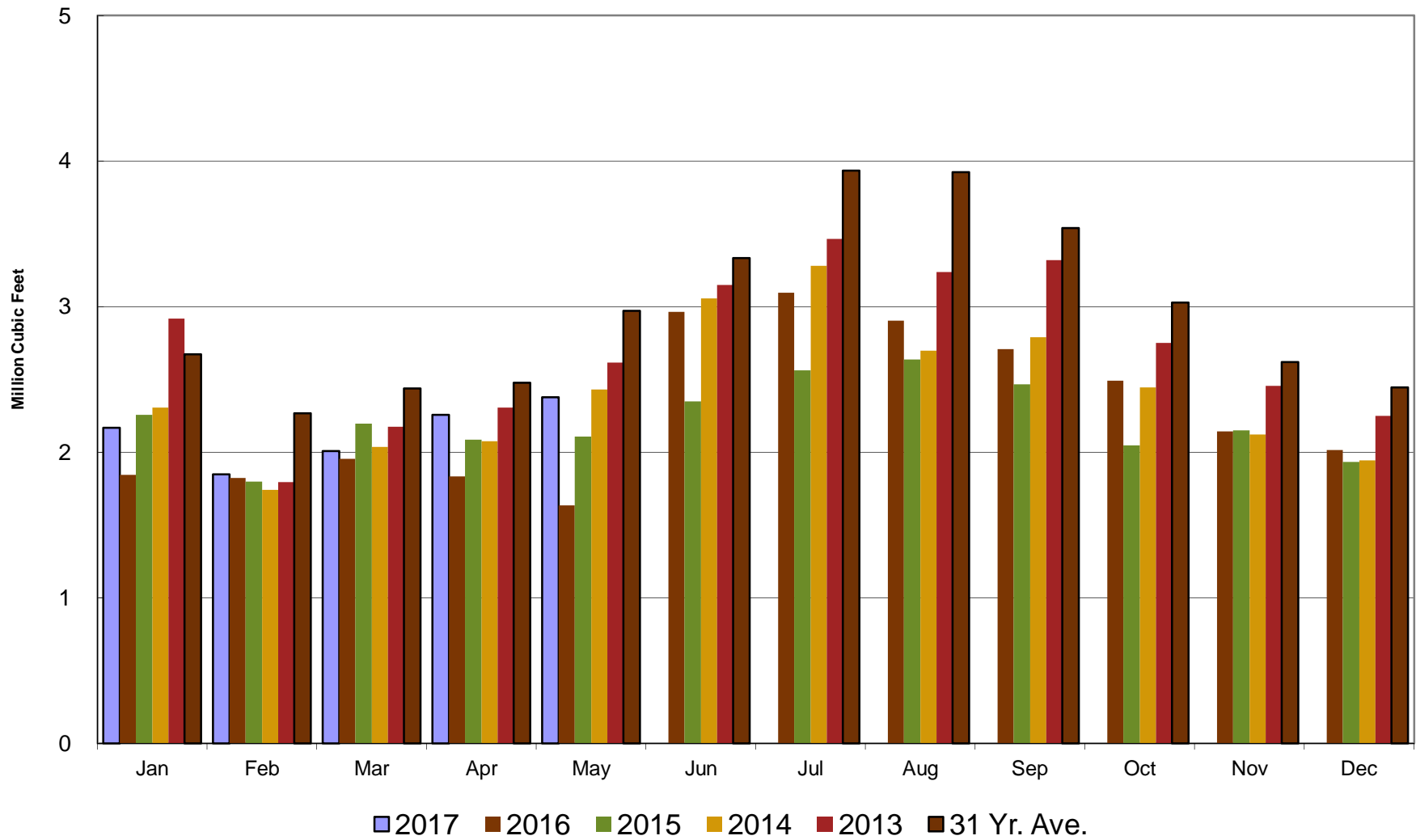
# Crestline Village Water District

## Water Sources - Last 13 Months



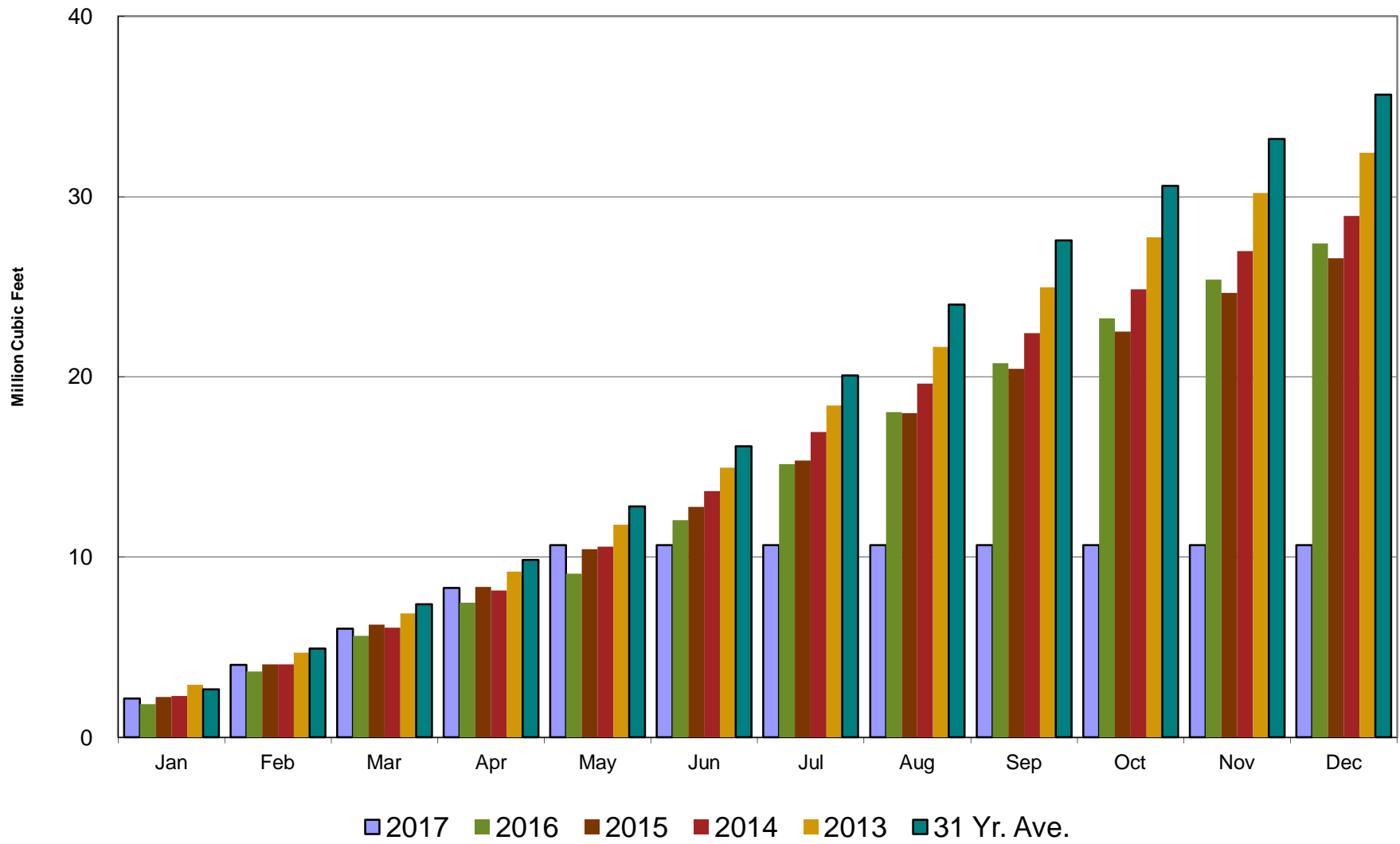
# Crestline Village Water District

## Total Production by Month



# Crestline Village Water District

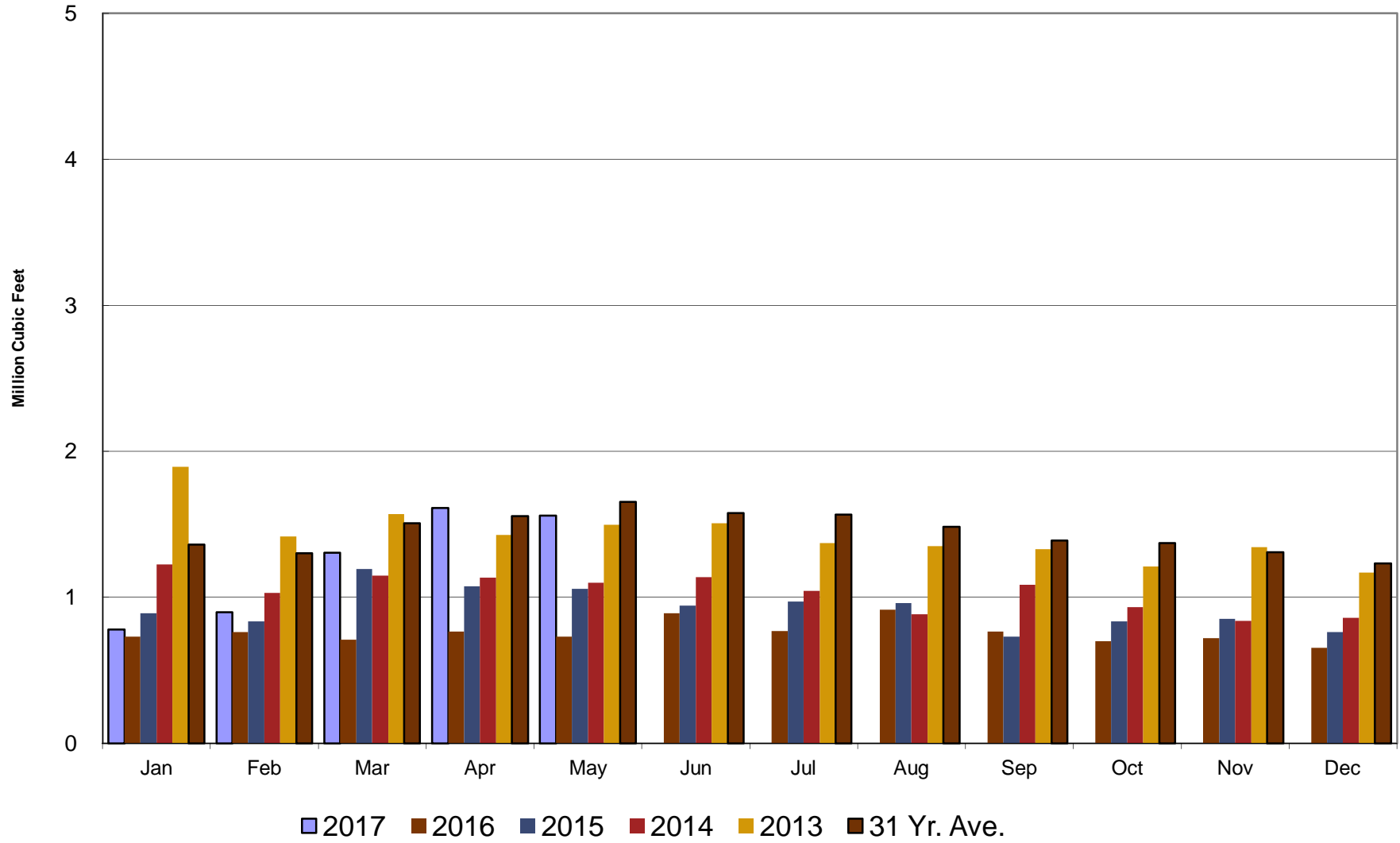
## Total Production Cumulative





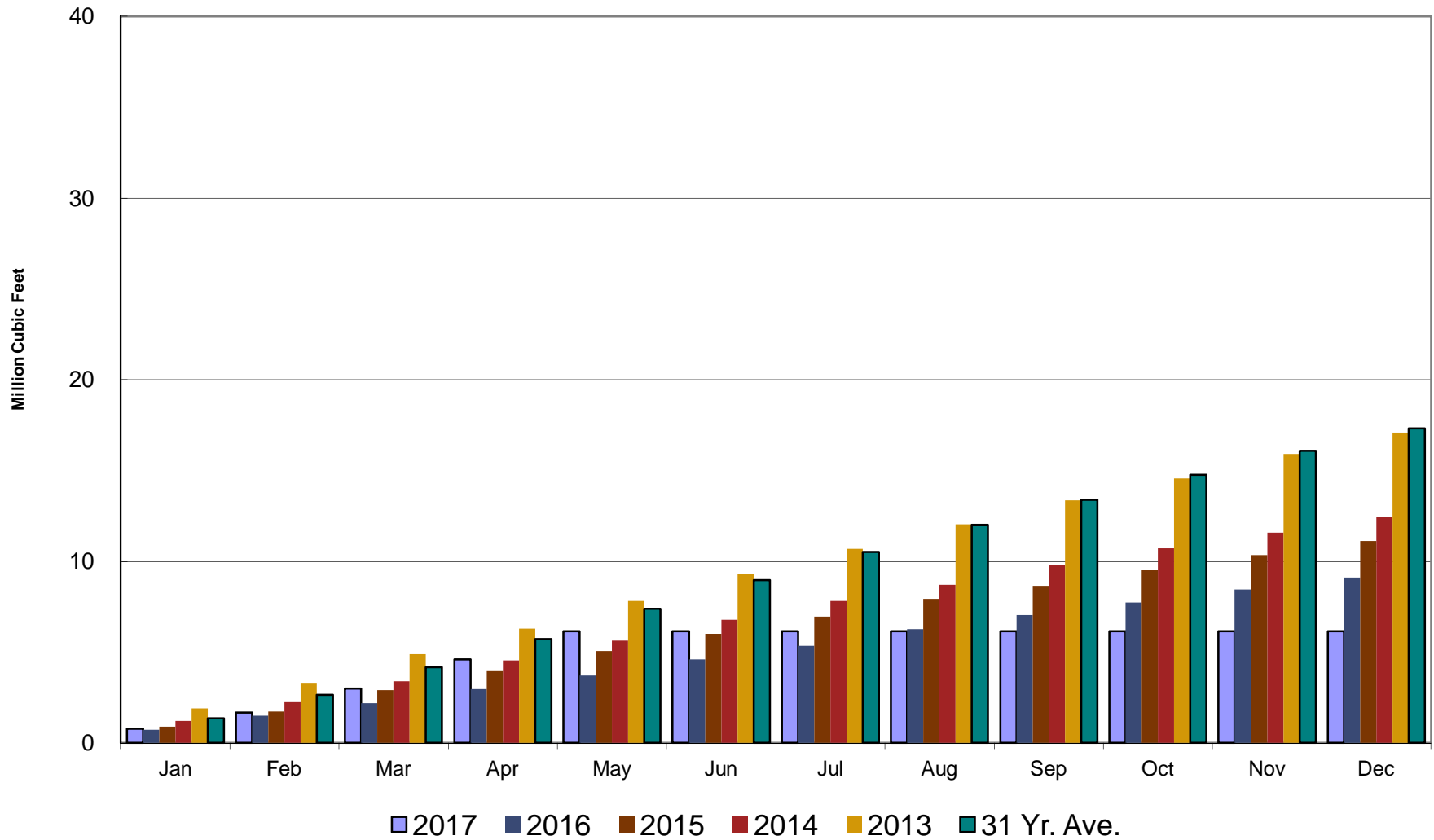
# Crestline Village Water District

## Well Production by Month



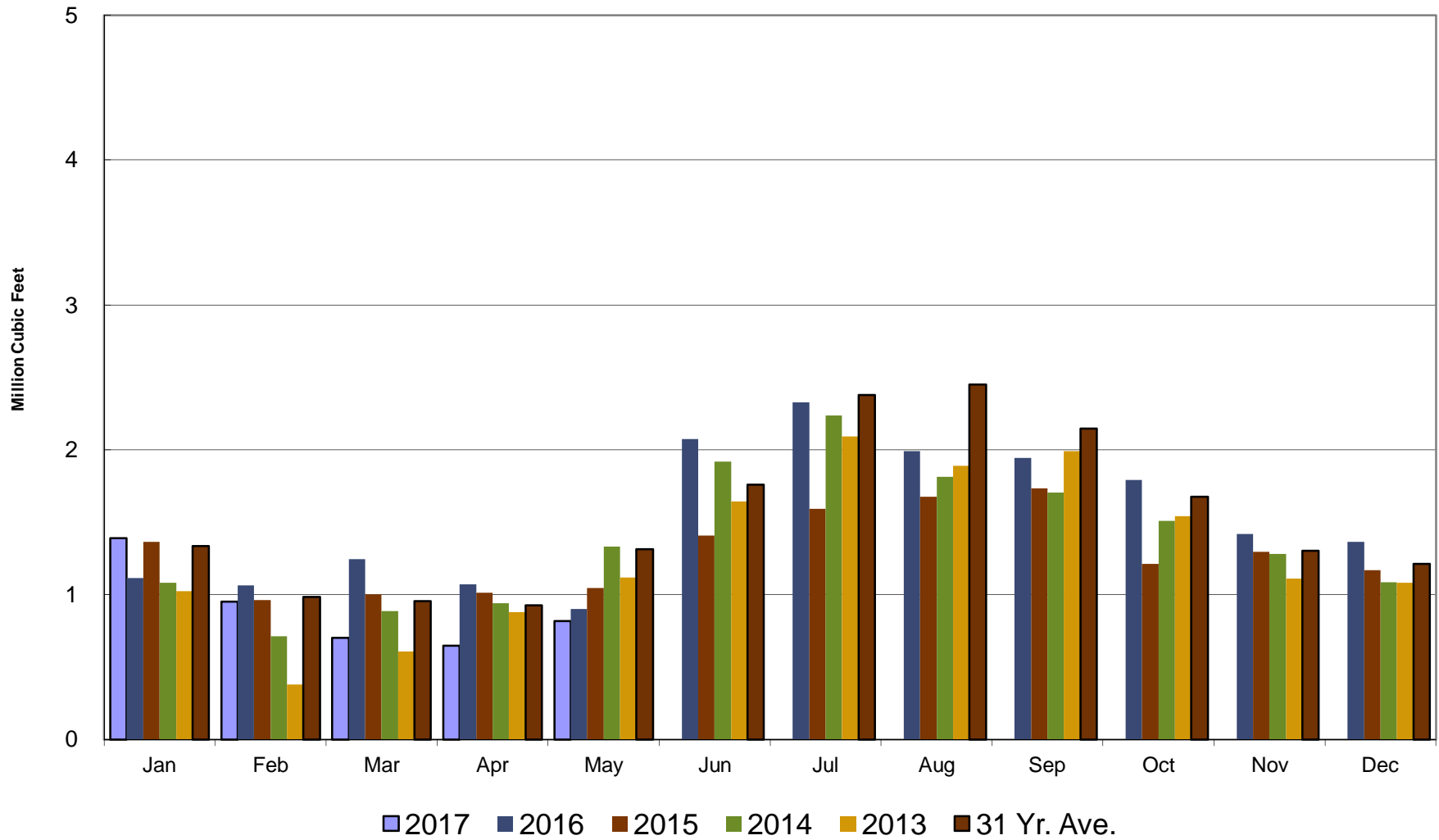
# Crestline Village Water District

## Well Production Cumulative



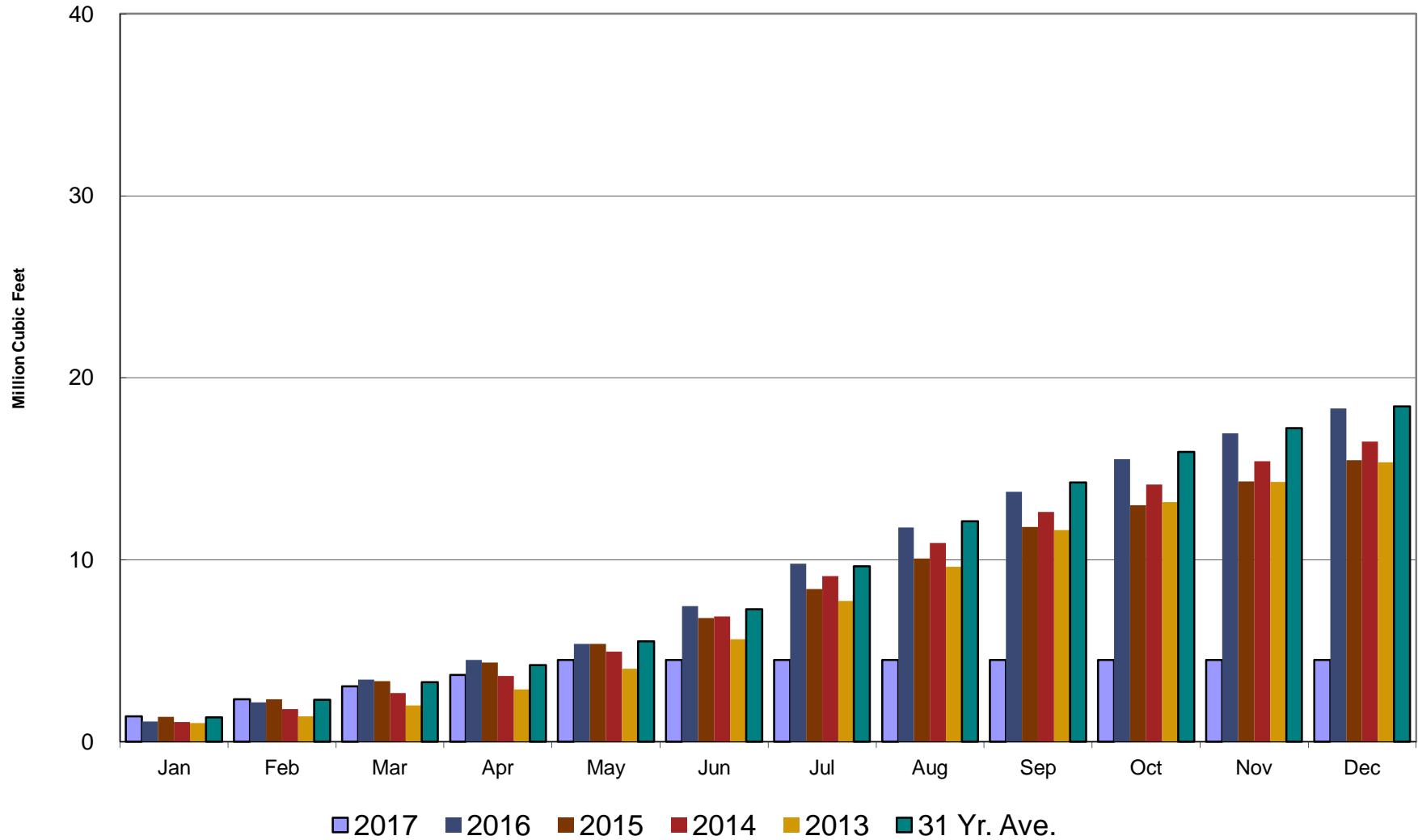
# Crestline Village Water District

## Purchased Water by Month



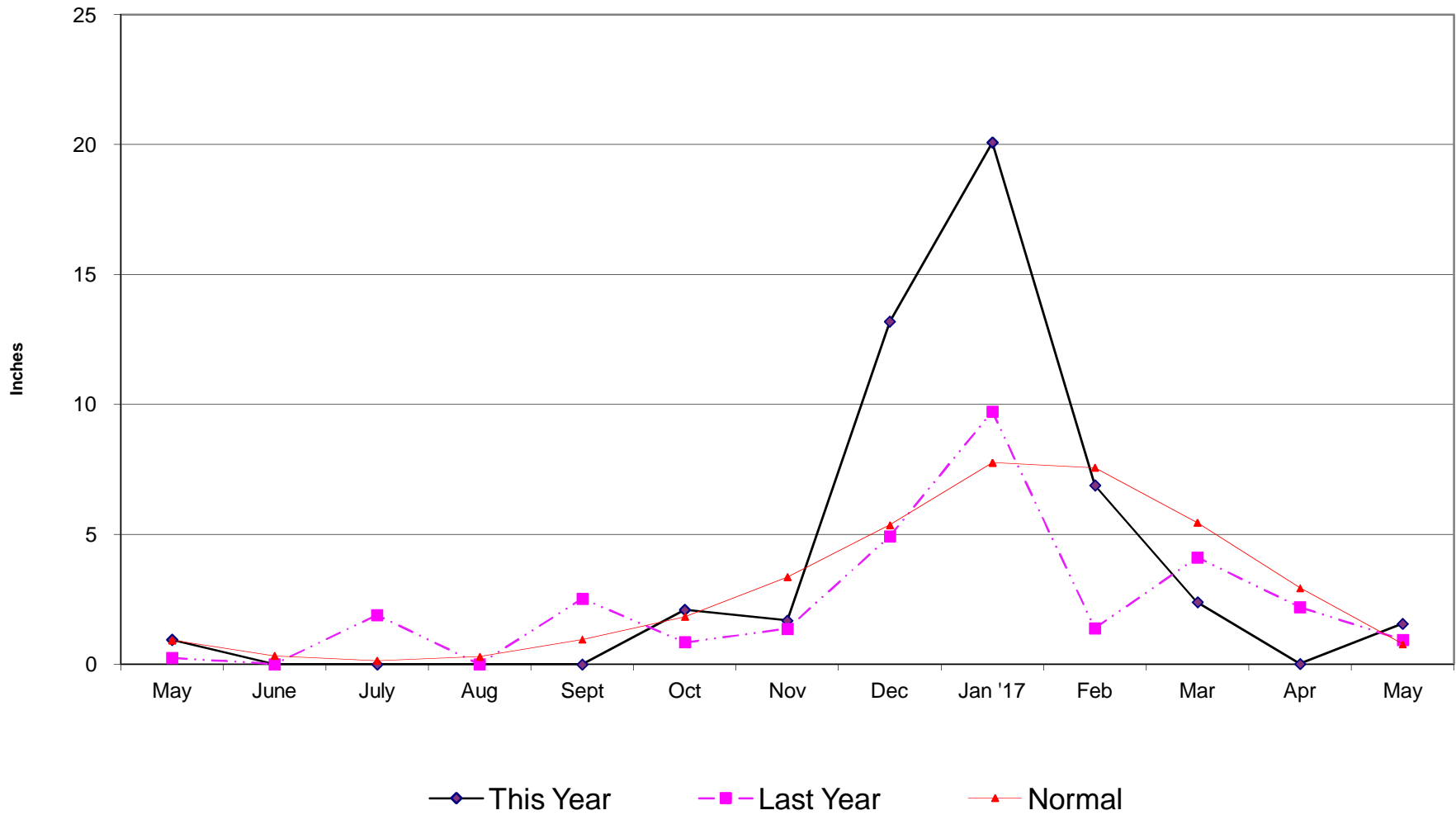
# Crestline Village Water District

## Purchased Water Cumulative



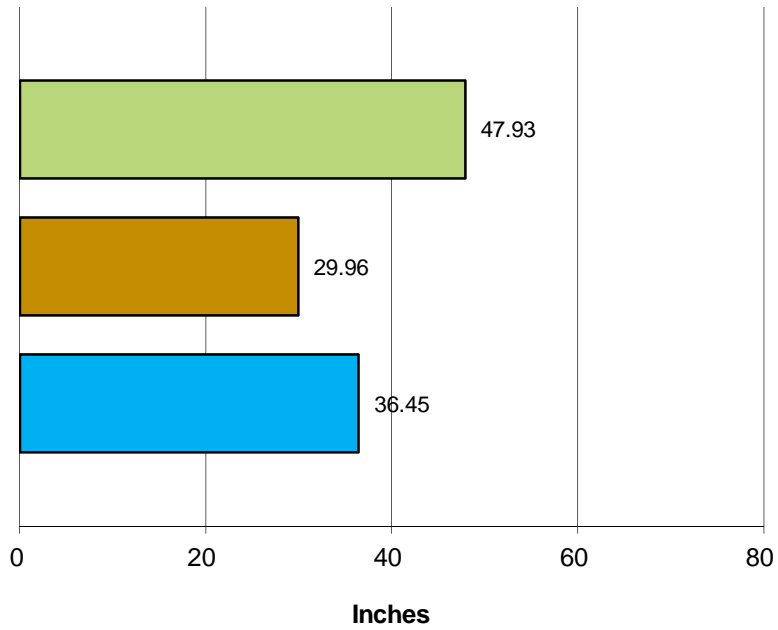
# Crestline Village Water District

## Rainfall - Last 13 Months



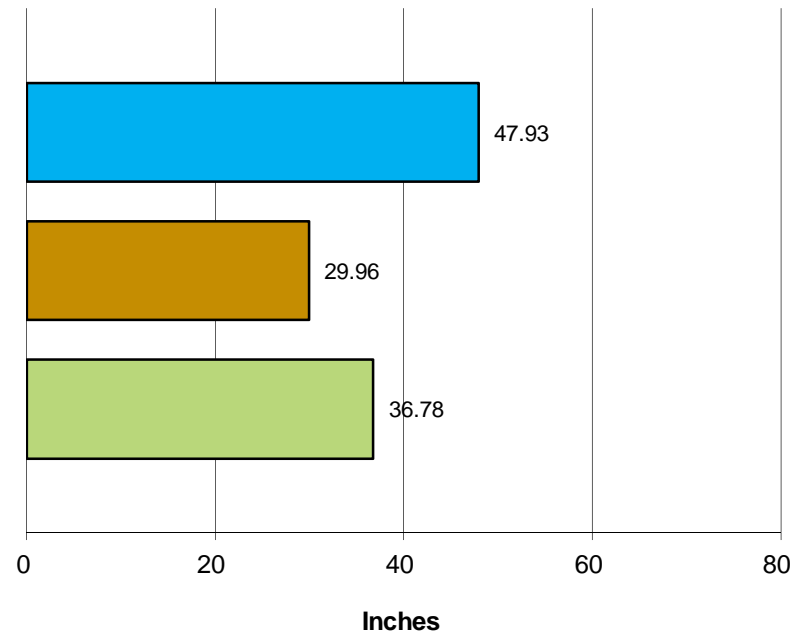
# Crestline Village Water District

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



■ This Year ■ Last Year ■ Normal

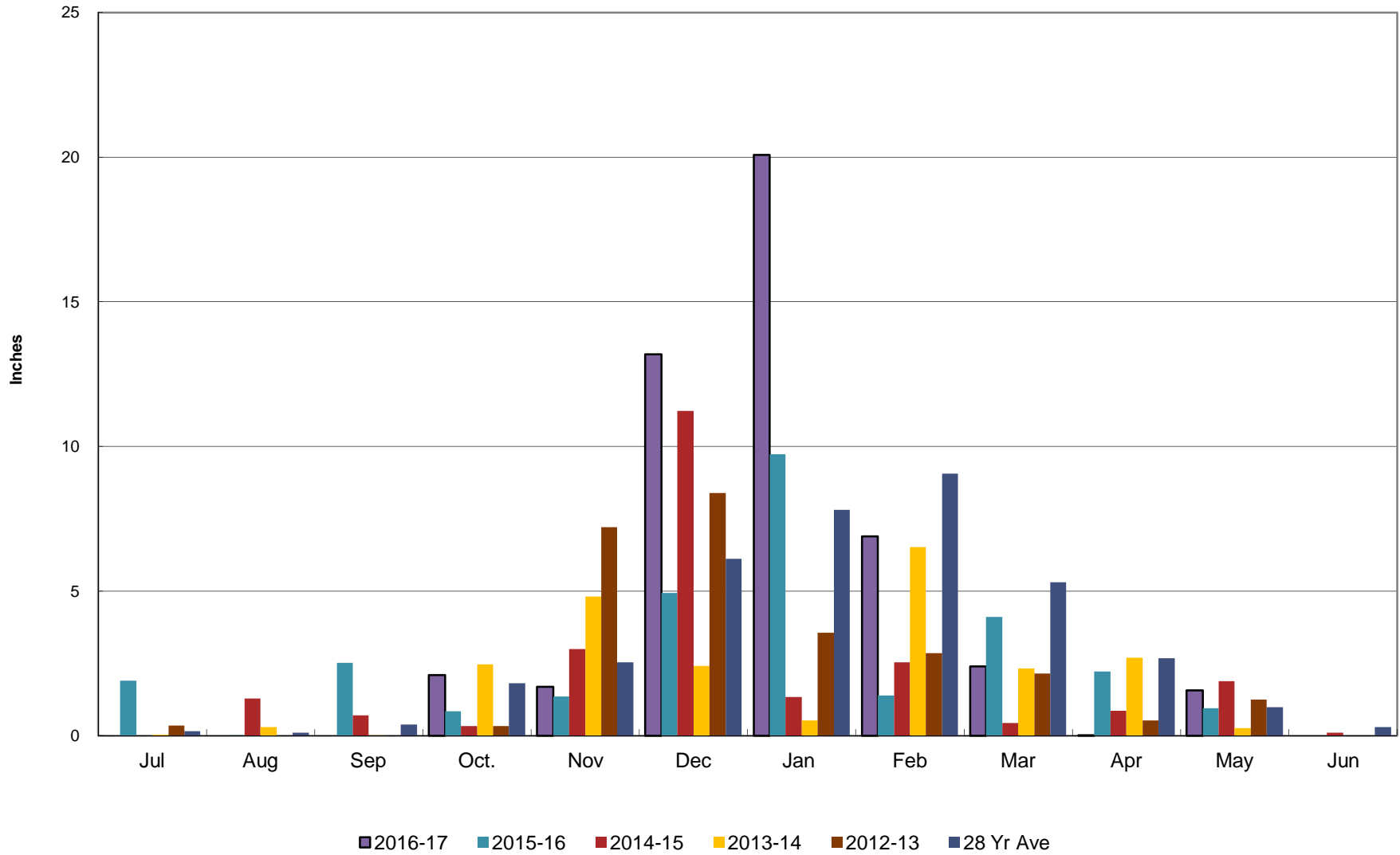
## Total Rainfall Last 12 Months



■ This Year ■ Last Year ■ Normal

# Crestline Village Water District

## Rainfall by Month



# Crestline Village Water District

## Rainfall Cumulative

