

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

11/04/16

	Oct	Nov	Dec	Jan '16	Feb	Mar	Apr	May	June	July	August	September	October	Total
<b>Sources of Supply</b>														
Wells	837,185	852,555	762,290	732,462	761,607	710,788	766,045	730,757	889,923	768,682	915,107	765,105	700,645	10,193,151
Purchased Water	1,212,180	1,297,740	1,170,642	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	19,200,041
Adjustment to Wells *	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Water Supplied</b>	<b>2,049,365</b>	<b>2,150,295</b>	<b>1,932,932</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>29,393,192</b>
<b>Water Used **</b>														
<b>Metered Accounts</b>														
Crestline Area	949,866	915,117	916,098	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	13,154,467
Lake Gregory Area	1,042,965	1,338,815	957,528	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	14,698,386
Change in Storage	(76,490)	28,149	(52,991)	64,800	(6,116)	43,622	(14,604)	(64,285)	63,211	39,580	(38,244)	(5,327)	(3,701)	(22,396)
Flushing, System & Other	16,639	17,113	23,366	68,699	14,439	36,219	17,589	16,751	16,052	14,609	15,269	15,829	14,439	287,012
<b>Accounted for Water</b>	<b>1,932,980</b>	<b>2,299,194</b>	<b>1,844,001</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>28,117,469</b>
<b>System Loss (CF)</b>	116,385	(148,899)	88,931	79,202	(133,380)	77,924	42,260	4,116	285,206	234,892	289,264	239,165	100,656	1,275,723
<b>System Loss (%)</b>	5.7%	-6.9%	4.6%	4.3%	-7.3%	4.0%	2.3%	0.3%	9.6%	7.6%	10.0%	8.8%	4.0%	4.3%
<b>System Loss (GPM)</b>	20.2	(24.9)	14.9	15.2	(21.0)	13.1	7.3	0.8	43.6	38.1	50.1	41.4	16.9	18.1
<b>Month to Month Averaging ***</b>														
<b>System Loss (CF)</b>	58,193	(16,257)	(29,984)	84,067	(27,089)	(27,728)	60,092	23,188	144,661	260,049	262,078	264,215	169,911	1,225,396
<b>System Loss (%)</b>	2.8%	-0.6%	-1.2%	4.4%	-1.5%	-1.7%	3.1%	1.3%	4.9%	8.6%	8.8%	9.4%	6.4%	4.2%
<b>System Loss (GPM)</b>	10.1	(2.4)	(5.0)	15.1	(2.9)	(4.0)	10.2	4.1	22.2	40.9	44.1	45.7	29.1	17.4
<b>Estimated Uses</b>														
Known leaks - Est. loss	6,786	32,947	1,348	802	16,460	2,005	1,334	0	37,656	18,048	7,580	3,850	3,658	132,474
<b>Total Estimated Uses</b>	<b>6,786</b>	<b>32,947</b>	<b>1,348</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>132,474</b>
<b>Unaccounted for Water (CF)</b>	109,599	(181,846)	87,584	78,400	(149,840)	75,919	40,926	4,116	247,551	216,844	281,684	235,315	96,998	1,143,249
<b>Unaccounted For (%)</b>	5.4%	-8.5%	4.5%	4.3%	-8.2%	3.9%	2.2%	0.3%	8.4%	7.0%	9.7%	8.7%	3.9%	3.9%
<b>Unaccounted For (GPM)</b>	19.0	(30.5)	14.7	15.1	(23.6)	12.7	7.1	0.8	37.8	35.2	48.8	40.7	16.3	16.2
Number of Days in Period	30	31	31	27	33	31	30	27	34	32	30	30	31	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.

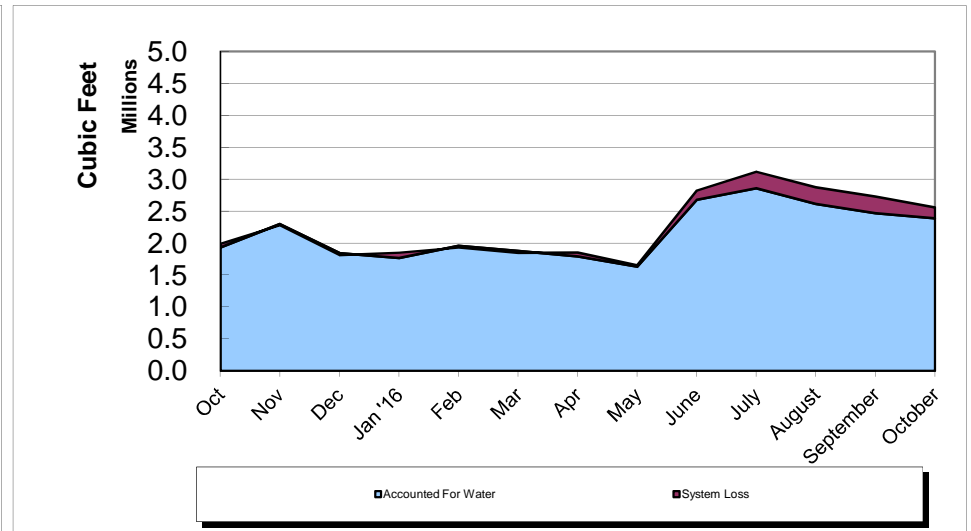
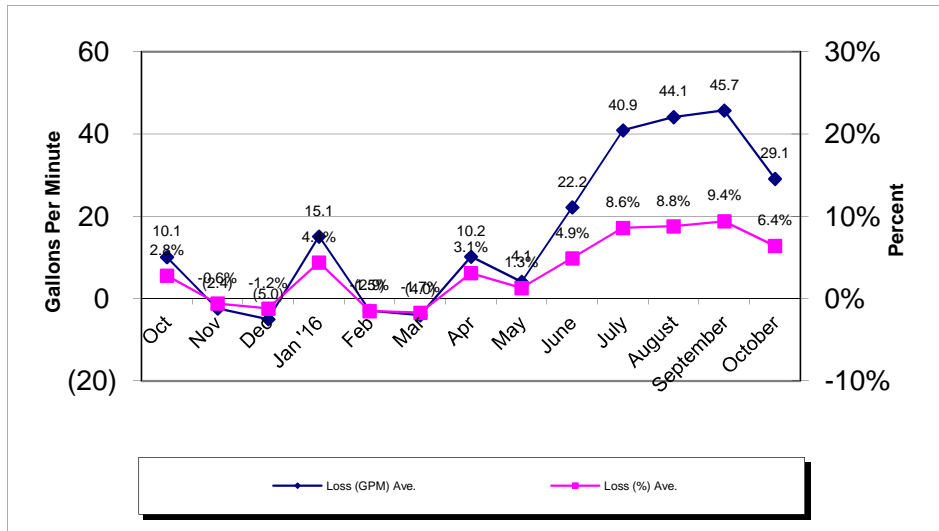
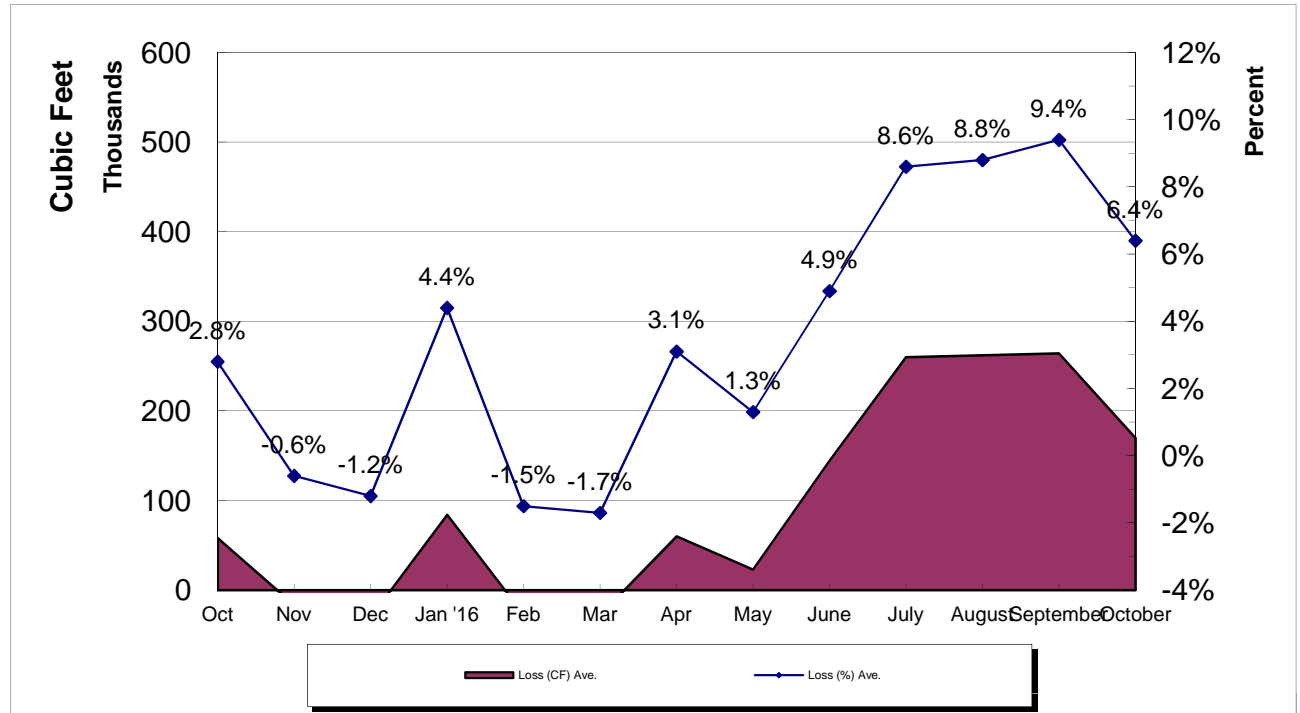
\*\* - Water Used - Metered Accounts is adjusted to the time period in Total Water Supplied

\*\*\* - 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:	\$4,486	\$2,488
Cost of 5% System Loss:	3,290	2,985
<b>Amount above (below) 5% System Loss</b>	<b>\$1,196</b>	<b>(\$497)</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: 10/31/16**

**For Month of: October 2016**

Water Storage (Gal)	Capacity	Gallons/ Foot	Level (FT)	Current Storage	% of Capacity
Beacon I & II	385,354	16,754	18.60	311,624	80.87%
Saxon	337,674	14,681	16.60	243,705	72.17%
Pinecrest I & II	2,063,492	54,302	32.10	1,743,094	84.47%
Zurich	380,500	16,910	20.00	338,200	88.88%
Lakeview	1,230,212	27,959	37.60	1,051,258	85.45%
Old Mill	705,900	27,150	22.00	597,300	84.62%
Barn	444,443	19,753	18.00	355,554	80.00%
Wilson	983,681	33,920	25.40	861,568	87.59%
Chillon	337,674	14,681	17.00	249,577	73.91%
Brookside	748,067	28,772	19.50	561,054	75.00%
Chamois	1,026,532	39,482	21.50	848,863	82.69%
<b>Total</b>	<b>8,643,529</b>		<b>248.30</b>	<b>7,161,797</b>	<b>82.86%</b>

WELLS	Production M-T-D (Cubic Feet)	Status
Altdorf	49,621	On
Pioneer-2	33,558	On
Pioneer-1	21,741	On
Old Mill Springs	11,960	On
Maple Springs	96	Off
Willow Springs	0	Off
Brookside Springs	3,740	On
Hillside Springs	0	Off
Pinecrest 1 & 2	7,270	On
Pinecrest Vertical	47,580	On
Cypress Vertical	88,250	On
Anderson Vertical	6,205	Off
Wilson Springs 1 & 2	59,563	On
Wilson Vertical	110,200	On
Felsen Vertical	116,928	On
Horst	26,608	On
Jewel 64	66,528	On
Cathcart	15,967	On
Bergschrund	0	Off
Chamois	0	Off
Chamois Vertical	34,830	On
	0	0
	0	0
	0	0
Lewter	0	Off
<b>Total</b>	<b>700,645</b>	

C.L.A.W.A.	FLOWS - GPM				Production M-T-D (Cubic Feet)
	Timed	Requested	Variance	% Variance	
CF - Crestline	69	70	(1)	-1.43%	419,385
Mile High 2"	0	0	0	0.00%	0
Mile High 4"	39	40	(1)	-2.50%	233,289
Pinecrest 2"	16	0	16	0.00%	0
Pinecrest 4"	156	150	6	4.00%	1,091,444
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%	47,326
<b>Total</b>	<b>280</b>	<b>260</b>	<b>20</b>	<b>7.69%</b>	<b>1,791,444</b>

October Purchases	GPM	Cubic Feet	Wells	GPM	Cubic Feet
Last Year M-T-D:	209.9	1,252,665		144.9	864,751
Actual M-T-D:	300.2	1,791,444		117.4	700,645
Over/(Under) Last Year:	90.3	538,779.0		(27.5)	(164,106.0)

Total	GPM	Cubic Feet
Last Year M-T-D:	354.8	2,117,416
Actual M-T-D:	417.6	2,492,089
Over/(Under) Last Year:	62.8	374,673.0

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

11/04/16

<b>Source Name</b>	<b>October</b>	<b>November</b>	<b>December</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>Last 12 Months</b>	<b>13 Months</b>
<b>Division 10</b>															
Altdorf	53,232	54,980	55,759	51,088	59,530	62,225	55,446	51,632	59,926	54,522	49,873	49,063	49,621	653,665	706,897
Pioneer #2	37,606	38,436	38,131	32,996	34,008	37,026	34,391	32,876	39,268	36,444	33,624	33,202	33,558	423,960	461,566
Pioneer #1	26,155	26,353	26,005	26,435	31,125	29,380	26,113	24,162	27,775	24,745	22,175	21,515	21,741	307,524	333,679
Old Mill Springs	0	0	0	0	0	0	0	0	15,510	15,990	13,480	12,230	11,960	69,170	69,170
Maple Springs	1,300	3,153	985	1,616	1,229	171	171	0	1,879	1,350	1,958	839	96	13,447	14,747
Willow Springs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brookside Springs	0	0	0	0	0	0	0	0	11,510	9,830	5,130	3,400	3,740	33,610	33,610
Hillside Springs	4,820	4,670	4,660	3,290	3,440	4,180	2,470	5,210	2,550	0	0	0	0	30,470	35,290
Pinecrest	7,630	6,170	4,650	4,360	7,870	10,470	11,830	12,430	15,680	14,050	11,780	9,360	7,270	115,920	123,550
Pinecrest Vertical	88,620	106,020	96,870	88,210	87,560	45,680	103,930	95,570	48,930	0	96,020	113,010	47,580	929,380	1,018,000
Cypress Vertical	123,480	98,280	92,760	84,370	84,340	91,040	52,850	113,710	99,000	93,510	86,590	85,650	88,250	1,070,350	1,193,830
Anderson Vertical	900	0	8,000	21,900	8,875	400	8,545	517	97,688	120,567	107,490	11,341	6,205	391,528	392,428
Division 10 Totals	343,743	338,062	327,820	314,265	317,977	280,572	295,746	336,107	419,716	371,008	428,120	339,610	270,021	4,039,024	4,382,767
<b>Division 20</b>															
Wilson Springs #1 & 2	66,926	67,493	62,969	54,699	57,492	61,489	57,211	56,677	69,321	65,038	61,273	60,730	59,563	733,955	800,881
Wilson Vertical	113,100	114,300	77,520	97,800	100,700	109,400	80,300	45,800	96,300	114,300	111,700	112,200	110,200	1,170,520	1,283,620
Felsen Vertical	152,920	167,800	137,980	125,550	135,470	96,670	207,470	123,870	132,060	67,434	178,237	112,363	116,928	1,601,832	1,754,752
Horst	34,460	34,438	33,145	28,044	29,747	32,131	29,432	28,761	33,696	30,771	28,170	27,120	26,608	362,063	396,523
Jewell No. 64	65,441	70,324	65,524	60,948	62,581	67,728	40,156	84,564	73,993	64,965	62,466	62,939	66,528	782,716	848,157
Cathcart	17,747	16,664	16,288	14,228	19,217	20,634	18,210	17,363	20,096	18,274	16,704	15,773	15,967	209,418	227,165
Bergschrund	4,468	3,792	2,982	2,142	2,908	3,053	2,524	2,134	1,937	977	155	0	0	22,604	27,072
Chamois	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chamois Vertical	34,350	35,440	33,970	31,130	31,610	34,940	32,580	30,860	37,860	34,760	26,960	34,370	34,830	399,310	433,660
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	4,030	4,242	4,092	3,656	3,905	4,171	2,416	4,621	4,944	1,155	1,322	0	0	34,524	38,554
Division 20 Totals	493,442	514,493	434,470	418,197	443,630	430,216	470,299	394,650	470,207	397,674	486,987	425,495	430,624	5,316,942	5,810,384
<b>Total District Sources</b>	<b>837,185</b>	<b>852,555</b>	<b>762,290</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>9,355,966</b>	<b>10,193,151</b>
<b>C.L.A.W.A.</b>															
Crest Forest 6"	362,701	309,759	315,642	303,610	299,064	350,000	327,005	305,481	392,647	369,786	338,636	438,770	419,385	4,169,785	4,532,486
Mile High Park 2"	193,182	173,409	169,171	154,679	162,032	176,190	163,342	33,864	0	0	0	0	0	1,032,687	1,225,869
Mile High Park 4"	0	0	0	0	0	0	0	118,449	254,545	339,305	287,834	268,850	233,289	1,502,272	1,502,272
Pinecrest 2"	1,618	0	0	0	13	0	0	89,813	0	0	0	187	0	90,013	91,631
Pinecrest 4"	631,551	764,572	685,829	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	10,562,166	11,193,717
Lake Drive 2"	0	0	0	0	0	0	0	11,070	0	102,447	5,254	0	0	118,771	118,771
Lake Drive 4"	0	0	0	0	134	0	0	28,075	0	0	0	0	0	28,209	28,209
Camp Seely	23,128	50,000	0	23,529	20,455	26,070	24,198	45,856	90,642	65,642	68,449	21,791	47,326	483,958	507,086
<b>C.L.A.W.A. Totals</b>	<b>1,212,180</b>	<b>1,297,740</b>	<b>1,170,642</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>17,987,861</b>	<b>19,200,041</b>
<b>Grand Totals</b>	<b>2,049,365</b>	<b>2,150,295</b>	<b>1,932,932</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>27,343,827</b>	<b>29,393,192</b>

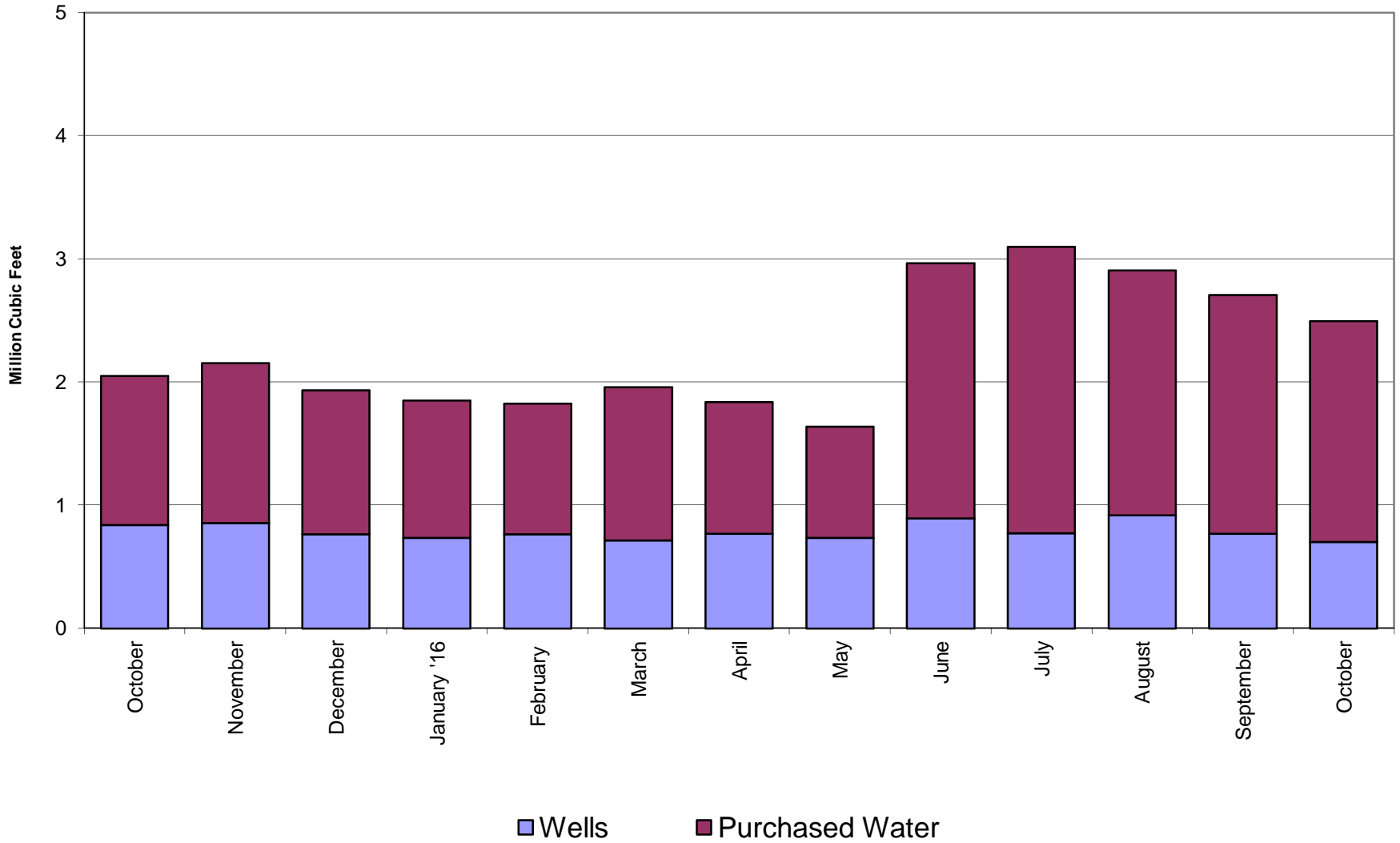
**Crestline Village Water District  
Source of Supply Production Report  
Cubic Feet  
Last 13 Months**

11/04/16

<u>Source Name</u>	<u>October</u>	<u>November</u>	<u>December</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>Last 12 Months</u>	<u>13 Months</u>
<b>District Sources</b>															
Division 10	343,743	338,062	327,820	314,265	317,977	280,572	295,746	336,107	419,716	371,008	428,120	339,610	270,021	4,039,024	4,382,767
Division 20	493,442	514,493	434,470	418,197	443,630	430,216	470,299	394,650	470,207	397,674	486,987	425,495	430,624	5,316,942	5,810,384
<b>Total</b>	<b>837,185</b>	<b>852,555</b>	<b>762,290</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>9,355,966</b>	<b>10,193,151</b>
Division 10	41.06%	39.65%	43.00%	42.91%	41.75%	39.47%	38.61%	45.99%	47.16%	48.27%	46.78%	44.39%	38.54%	43.17%	43.00%
Division 20	58.94%	60.35%	57.00%	57.09%	58.25%	60.53%	61.39%	54.01%	52.84%	51.73%	53.22%	55.61%	61.46%	56.83%	57.00%
<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	837,185	852,555	762,290	732,462	761,607	710,788	766,045	730,757	889,923	768,682	915,107	765,105	700,645	9,355,966	10,193,151
C.L.A.W.A.	1,212,180	1,297,740	1,170,642	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	17,987,861	19,200,041
<b>Total Sources</b>	<b>2,049,365</b>	<b>2,150,295</b>	<b>1,932,932</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>27,343,827</b>	<b>29,393,192</b>
District Sources	40.85%	39.65%	39.44%	39.67%	41.74%	36.34%	41.73%	44.72%	30.01%	24.83%	31.51%	28.26%	28.11%	34.22%	34.68%
C.L.A.W.A.	59.15%	60.35%	60.56%	60.33%	58.26%	63.66%	58.27%	55.28%	69.99%	75.17%	68.49%	71.74%	71.89%	65.78%	65.32%
<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>

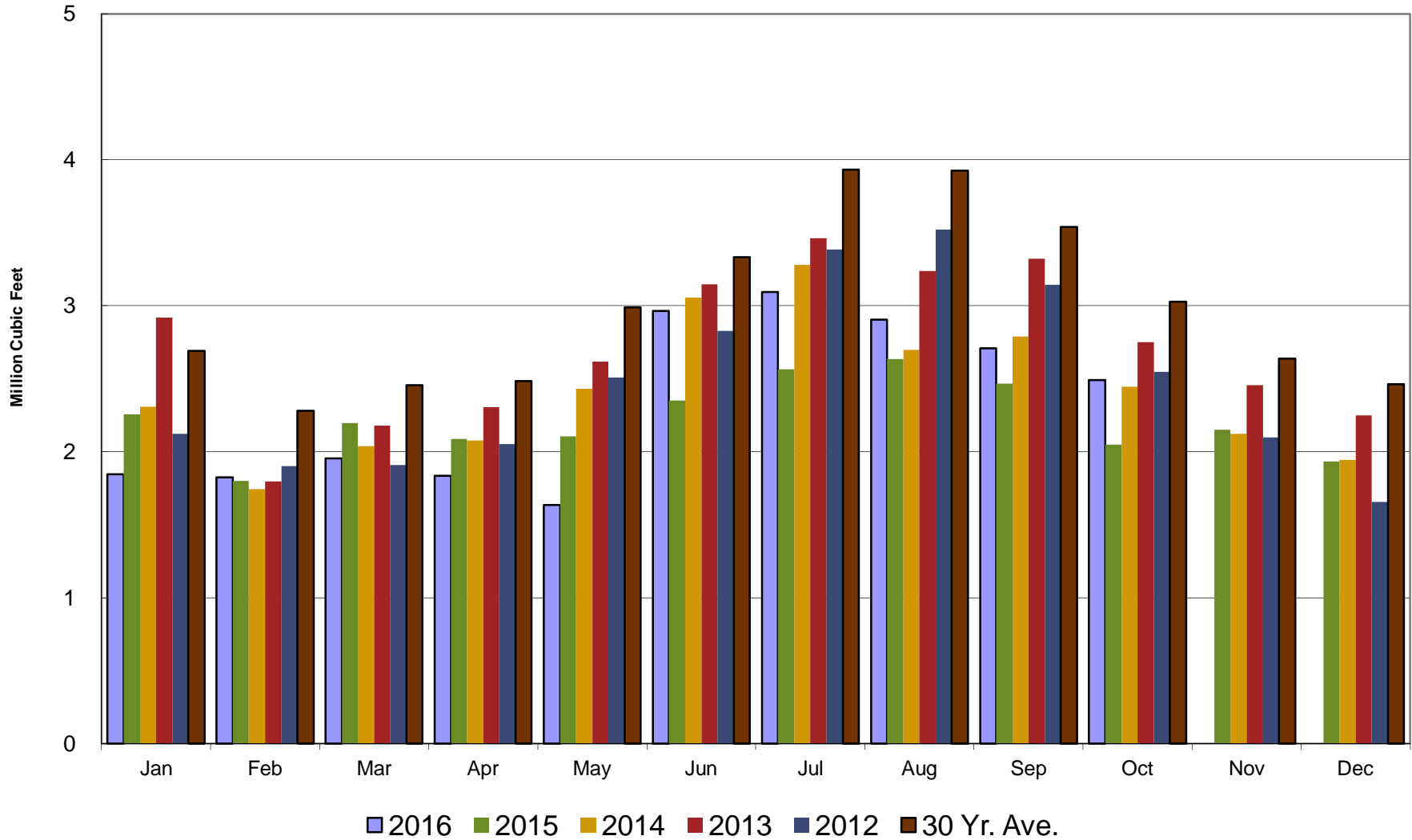
# Crestline Village Water District

## Water Sources - Last 13 Months



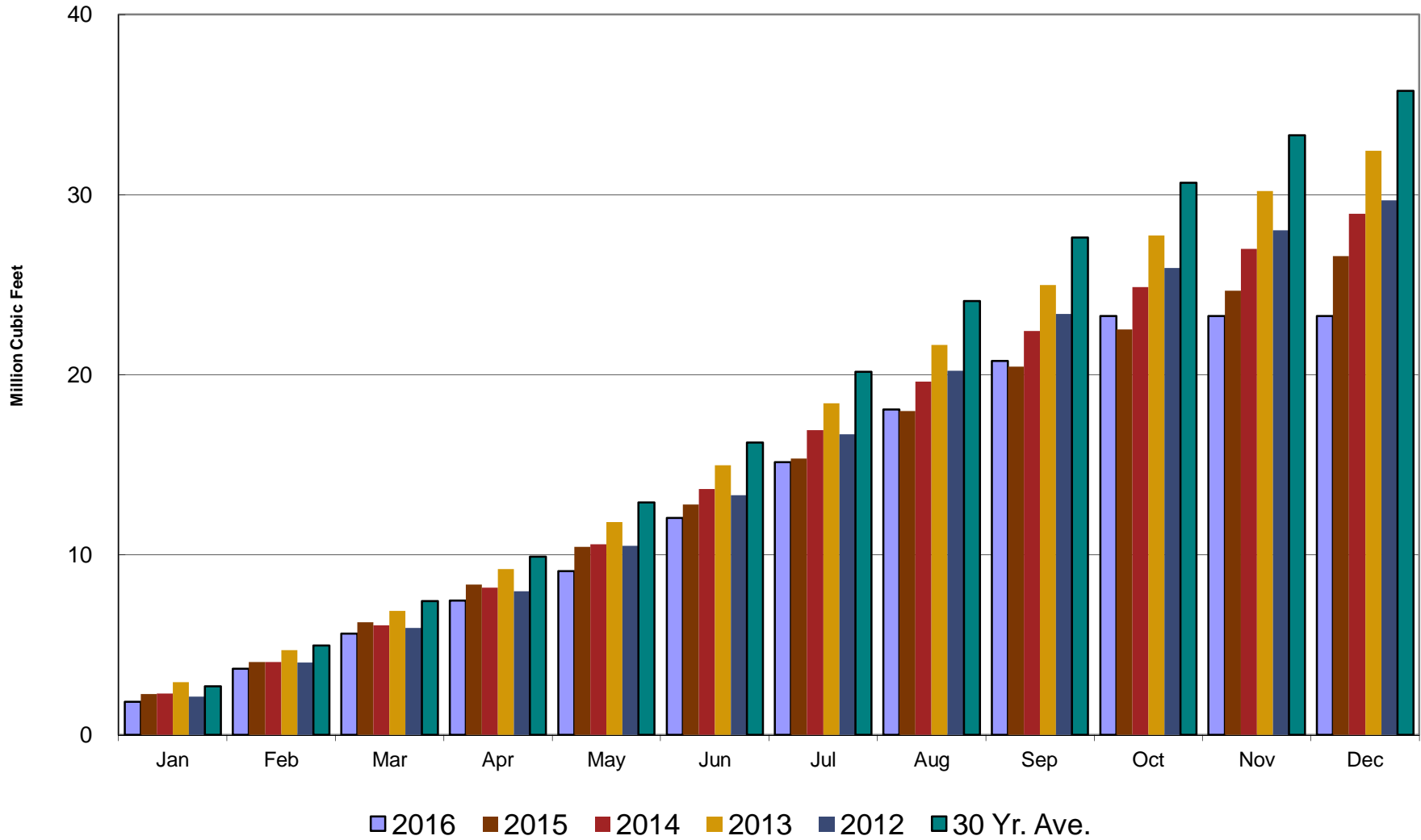
# Crestline Village Water District

## Total Production by Month



# Crestline Village Water District

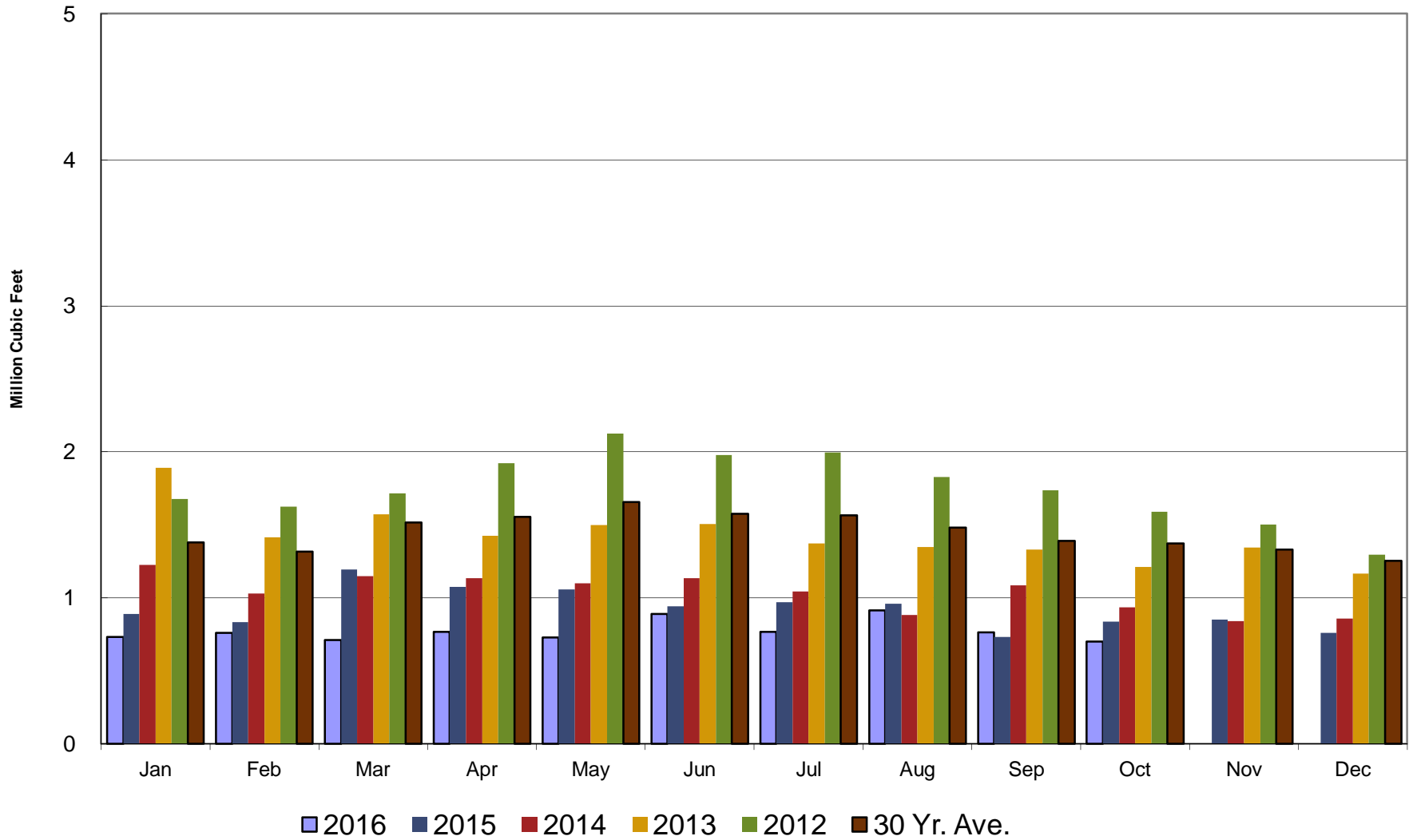
## Total Production Cumulative





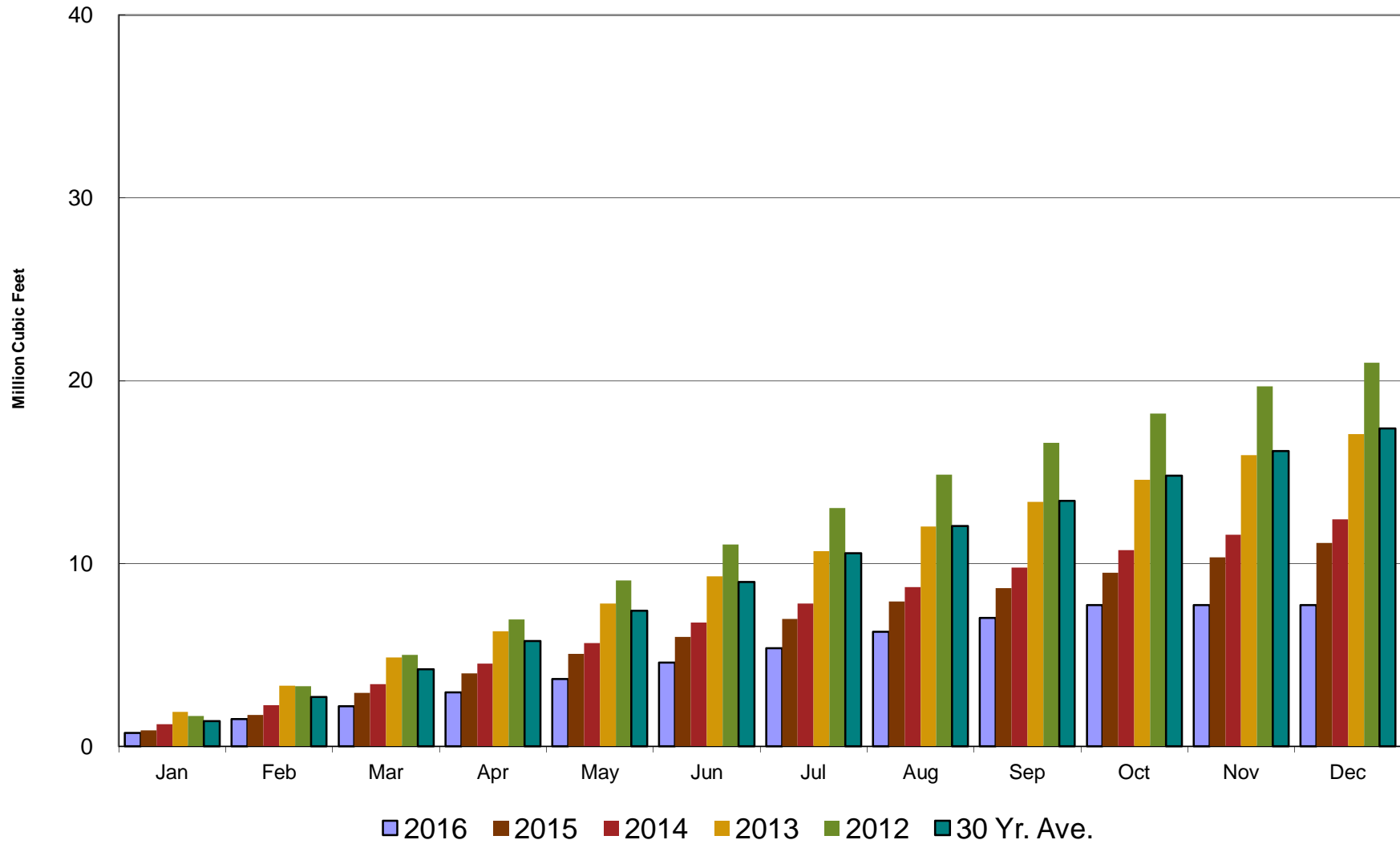
# Crestline Village Water District

## Well Production by Month



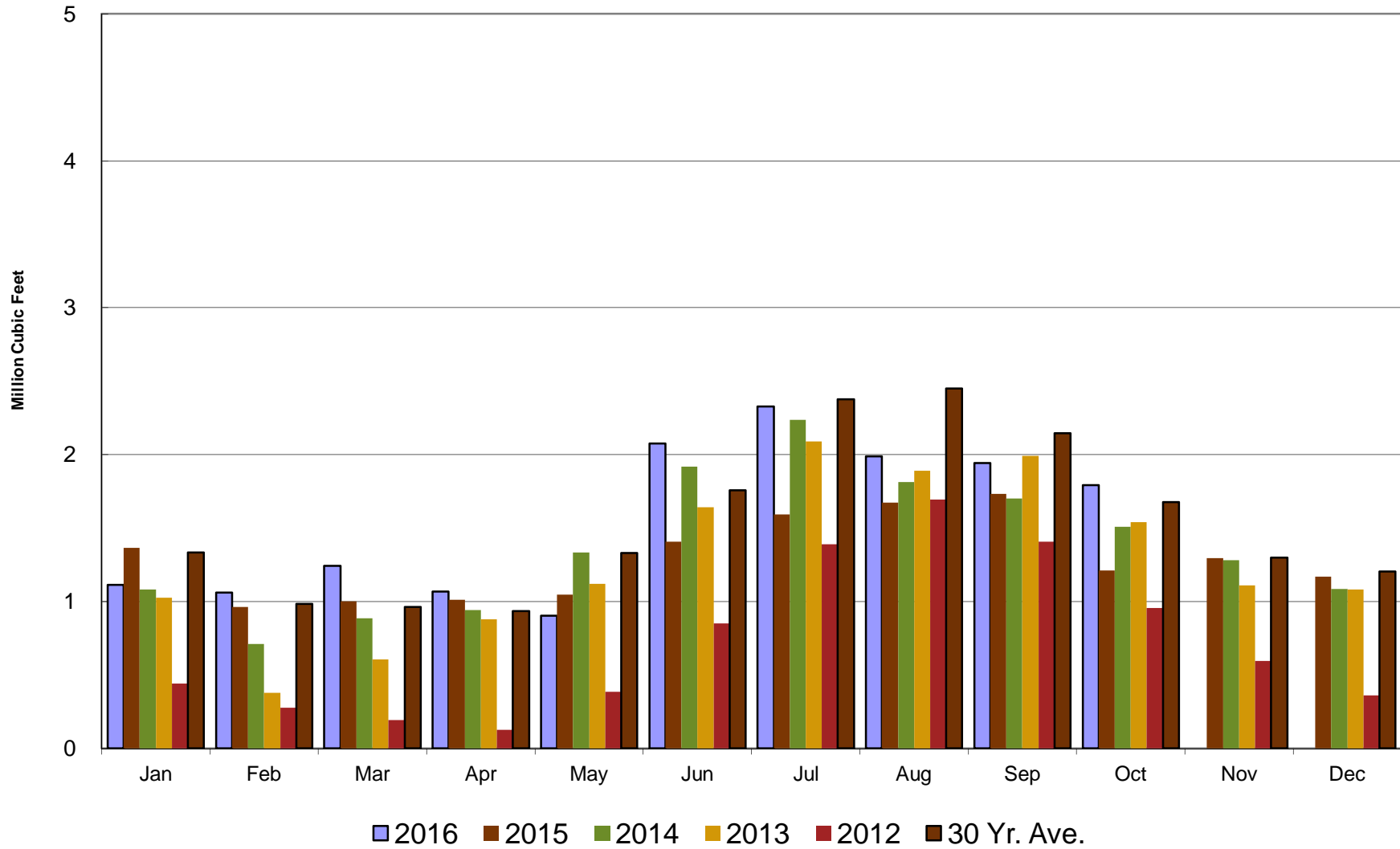
# Crestline Village Water District

## Well Production Cumulative



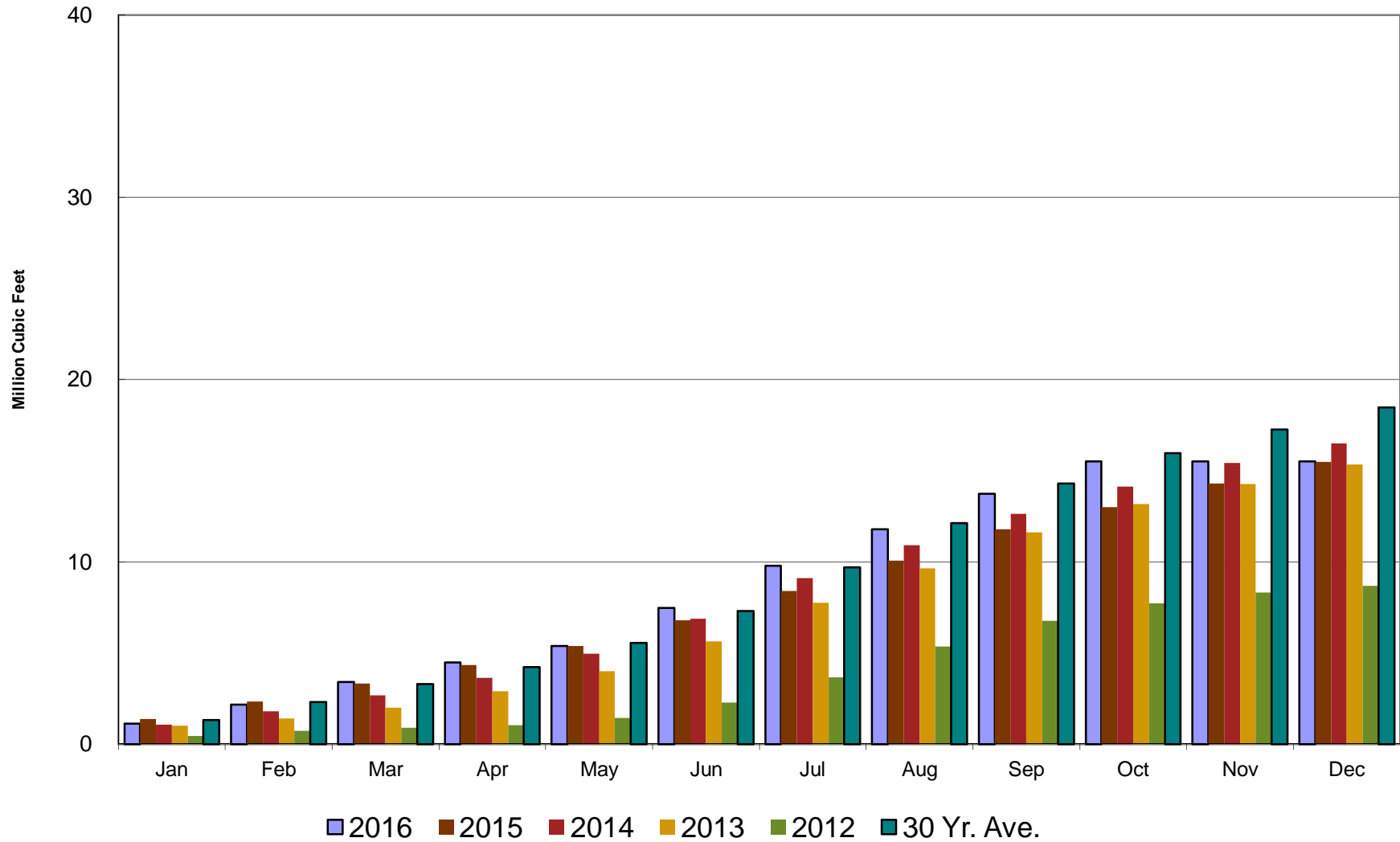
# Crestline Village Water District

## Purchased Water by Month



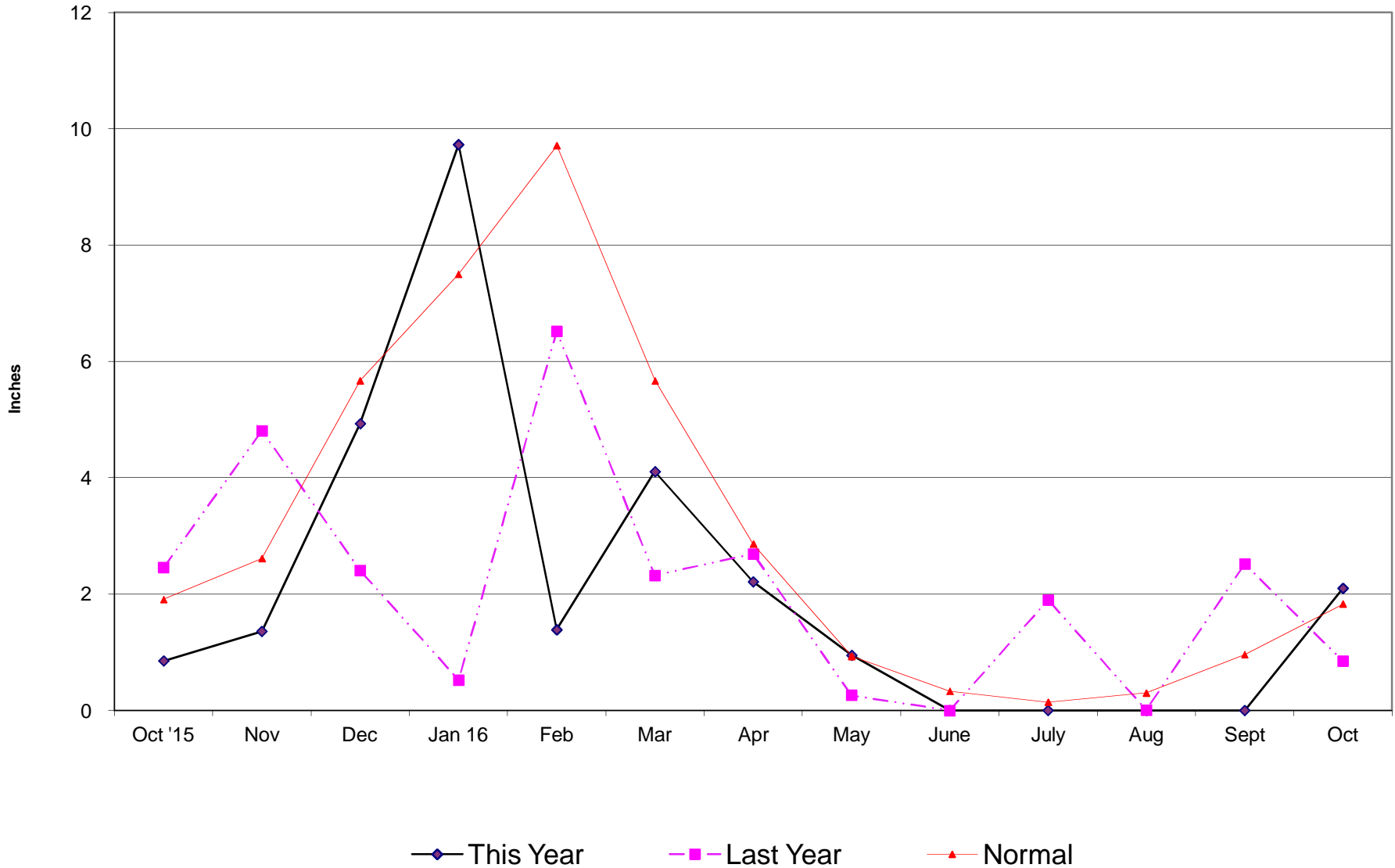
# Crestline Village Water District

## Purchased Water Cumulative



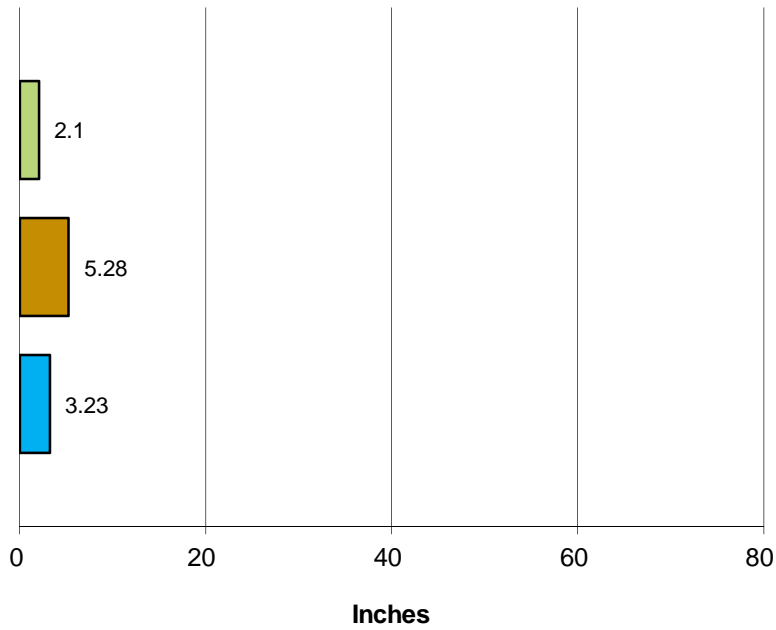
# Crestline Village Water District

## Rainfall - Last 13 Months



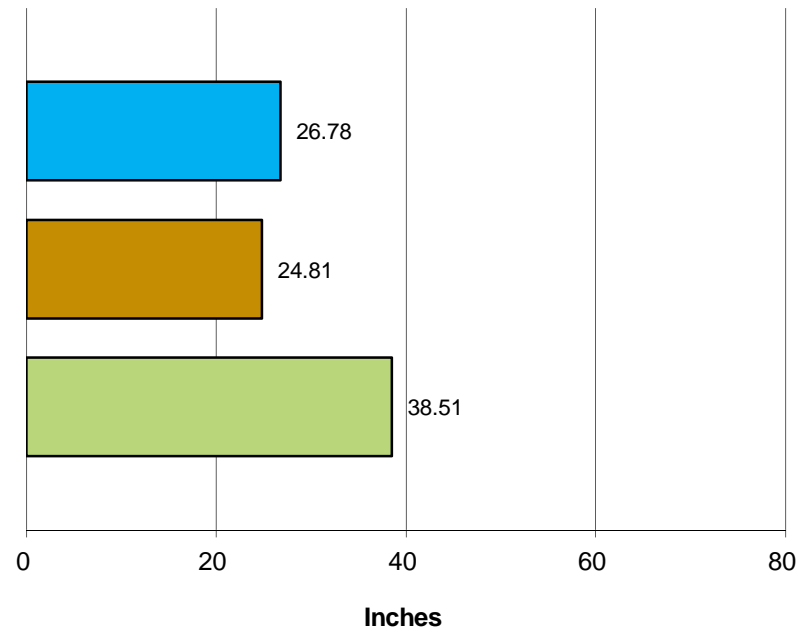
# Crestline Village Water District

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



■ This Year   ■ Last Year   ■ Normal

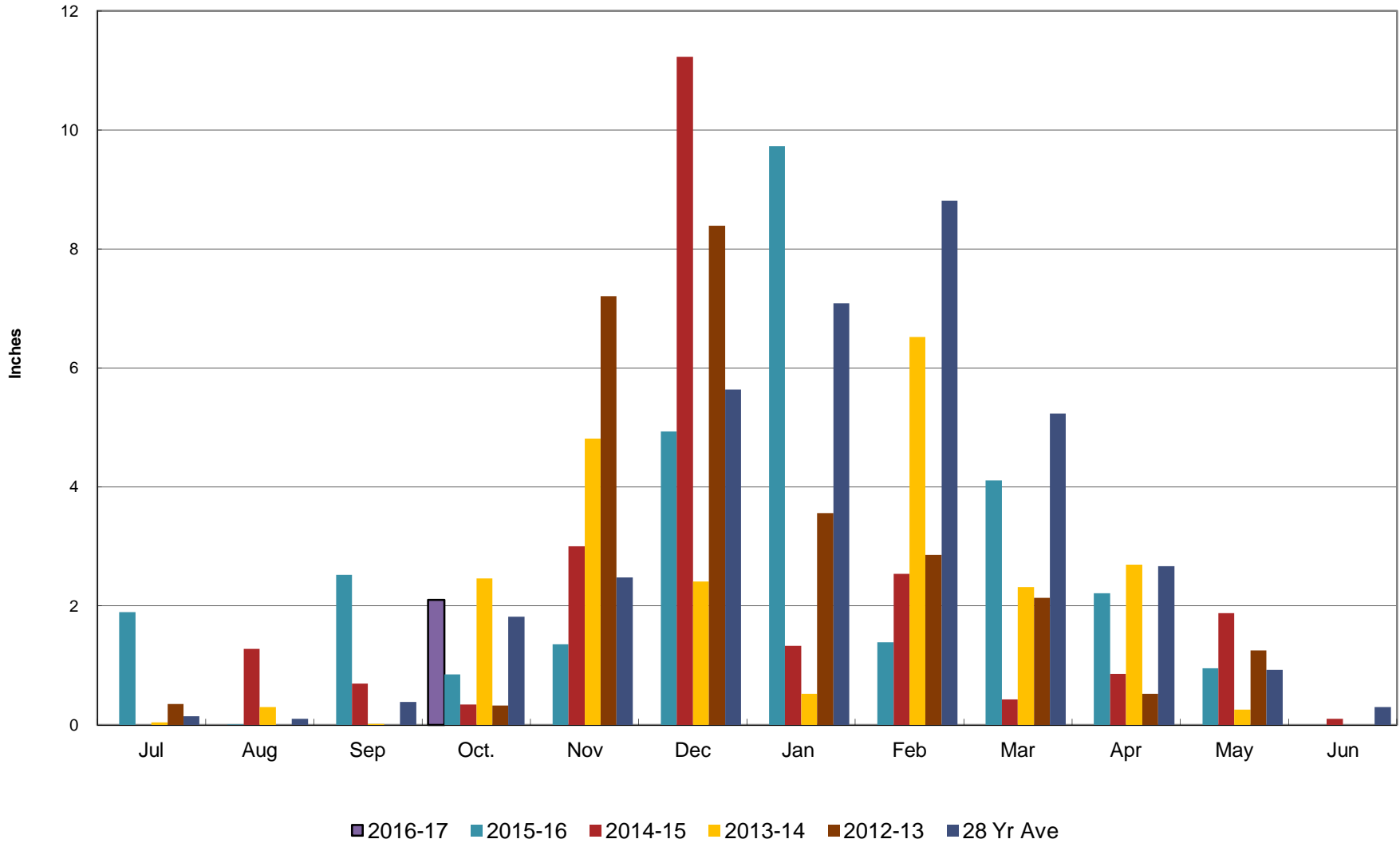
## Total Rainfall Last 12 Months



■ This Year   ■ Last Year   ■ Normal

# Crestline Village Water District

## Rainfall by Month



# Crestline Village Water District

## Rainfall Cumulative

