

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

12/10/15

	Nov	Dec	Jan '15	Feb	Mar	Apr	May	June	July	August	Sept	Oct	Nov	Total
Sources of Supply														
Wells	839,687	859,313	891,181	834,933	1,193,310	1,076,113	1,059,928	943,051	970,810	961,233	732,548	837,185	852,555	12,051,847
Purchased Water	1,281,686	1,085,776	1,365,576	964,211	1,002,740	1,012,206	1,046,592	1,406,645	1,592,273	1,674,706	1,733,087	1,212,180	1,297,740	16,675,418
Adjustment to Wells *	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Water Supplied	2,121,373	1,945,089	2,256,757	1,799,144	2,196,050	2,088,319	2,106,520	2,349,696	2,563,083	2,635,939	2,465,635	2,049,365	2,150,295	28,727,265
Water Used **														
Metered Accounts														
Crestline Area	950,998	862,215	996,288	808,783	949,063	921,711	948,087	1,059,926	1,101,278	1,154,099	1,047,264	949,866	915,117	12,664,695
Lake Gregory Area	1,139,901	954,668	1,034,564	854,838	969,907	963,662	1,026,305	1,020,670	1,248,655	1,189,430	1,332,347	1,042,965	1,338,815	14,116,727
Change in Storage	18,650	(23,836)	36,242	(25,604)	(41,242)	36,728	(64,664)	58,023	(49,826)	(34,387)	98,916	(76,490)	28,149	(39,341)
Flushing, System & Other	14,439	14,773	16,779	14,539	20,228	16,799	16,313	15,442	14,439	17,845	15,739	16,639	17,113	211,088
Accounted for Water	2,123,988	1,807,820	2,083,873	1,652,556	1,897,956	1,938,900	1,926,041	2,154,061	2,314,546	2,326,987	2,494,266	1,932,980	2,299,194	26,953,169
System Loss (CF)	(2,615)	137,269	172,884	146,588	298,094	149,419	180,479	195,635	248,537	308,952	(28,631)	116,385	(148,899)	1,774,096
System Loss (%)	-0.1%	7.1%	7.7%	8.1%	13.6%	7.2%	8.6%	8.3%	9.7%	11.7%	-1.2%	5.7%	-6.9%	6.2%
System Loss (GPM)	(0.4)	24.6	29.0	27.2	48.4	25.9	29.3	33.9	43.0	51.8	(5.0)	20.2	(24.9)	25.2
Month to Month Averaging ***														
System Loss (CF)	(1,308)	67,327	155,077	159,736	222,341	223,756	164,949	188,057	222,086	278,744	140,160	43,877	(16,257)	1,848,545
System Loss (%)	-0.1%	3.5%	7.4%	7.9%	10.9%	10.4%	7.9%	8.4%	9.0%	10.7%	5.3%	2.3%	-0.6%	6.4%
System Loss (GPM)	(0.2)	12.1	26.8	28.1	37.8	37.1	27.6	31.6	38.5	47.4	23.4	7.6	(2.4)	26.3
Estimated Uses														
Known leaks - Est. loss	963	5,063	75	1,155	1,810	5,824	6,497	12,096	6,209	11,278	3,826	6,786	32,947	94,528
Total Estimated Uses	963	5,063	75	1,155	1,810	5,824	6,497	12,096	6,209	11,278	3,826	6,786	32,947	94,528
Unaccounted for Water (CF)	(3,578)	132,206	172,809	145,433	296,284	143,595	173,982	183,539	242,328	297,674	(32,457)	109,599	(181,846)	1,679,568
Unaccounted For (%)	-0.2%	6.8%	7.7%	8.1%	13.5%	6.9%	8.3%	7.8%	9.5%	11.3%	-1.3%	5.4%	-8.5%	5.9%
Unaccounted For (GPM)	(0.6)	23.7	29.0	27.0	48.1	24.9	28.2	31.8	42.0	49.9	(5.6)	19.0	(30.5)	23.9
Number of Days in Period	31	29	31	28	32	30	32	30	30	31	30	30	31	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

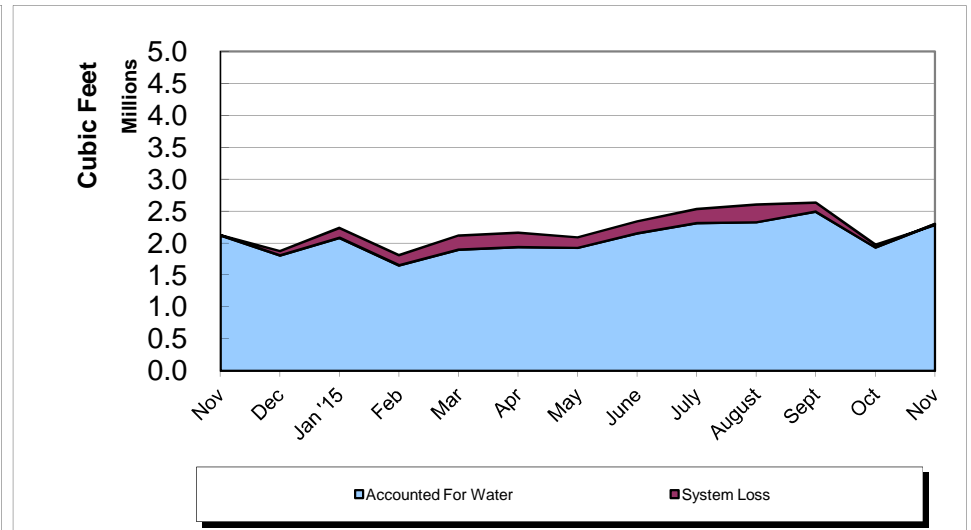
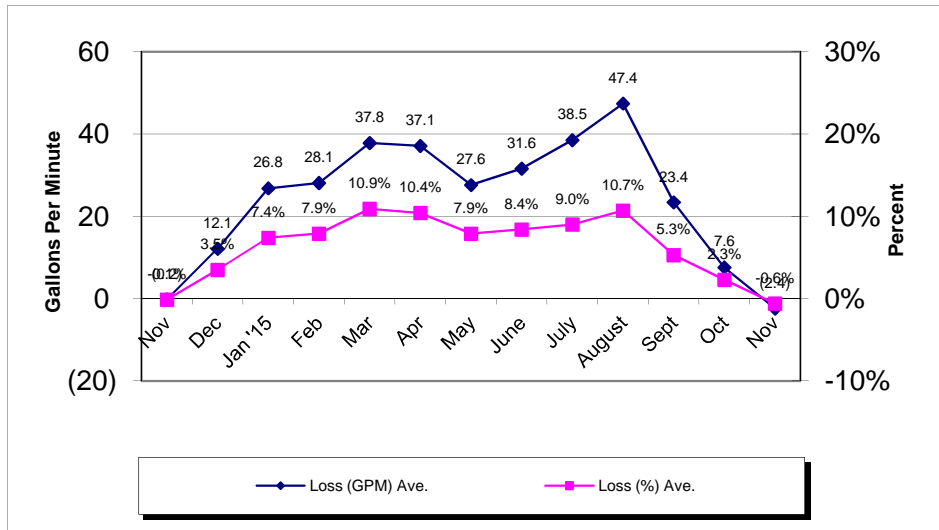
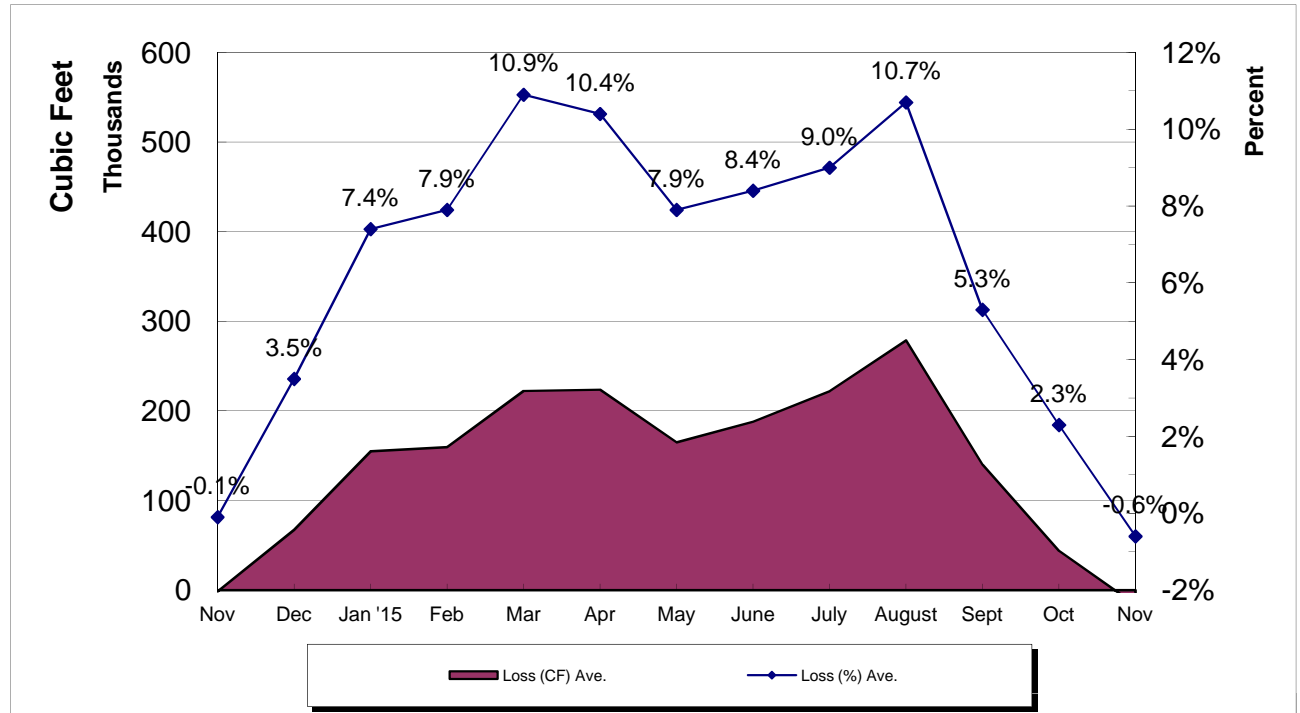
*** - Month to Month averaging averages the System Loss for each period with the immediately prior period for trending purposes.

System Loss Costs	This Month	Average
Cost of System Loss:	(\$429)	\$3,754
Cost of 5% System Loss:	2,838	2,917
Amount above (below) 5% System Loss	(\$3,267)	\$837
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: 11/30/15

For Month of: November 2015

Water Storage (Gal)	Capacity	Gallons/ Foot	Level (FT)	Current Storage	% of Capacity
Beacon I & II	385,354	16,754	18.10	303,247	78.69%
Saxon	337,674	14,681	17.40	255,449	75.65%
Pinecrest I & II	2,063,492	54,302	31.30	1,699,653	82.37%
Zurich	380,500	16,910	17.90	302,689	79.55%
Lakeview	1,230,212	27,959	33.30	931,035	75.68%
Old Mill	705,900	27,150	23.20	629,880	89.23%
Barn	444,443	19,753	19.00	375,307	84.44%
Wilson	983,681	33,920	22.00	746,240	75.86%
Chillon	337,674	14,681	17.70	259,854	76.95%
Brookside	748,067	28,772	21.40	615,721	82.31%
Chamois	1,026,532	39,482	21.00	829,122	80.77%
Total	8,643,529		242.30	6,948,197	80.39%

WELLS	Production M-T-D (Cubic Feet)	Status
Altdorf	54,980	On
Pioneer-2	38,436	On
Pioneer-1	26,353	On
Old Mill Springs	0	Off
Maple Springs	3,153	On
Willow Springs	0	Off
Brookside Springs	0	Off
Hillside Springs	4,670	On
Pinecrest 1 & 2	6,170	On
Pinecrest Vertical	106,020	On
Cypress Vertical	98,280	On
Anderson Vertical	0	Off
Wilson Springs 1 & 2	67,493	On
Wilson Vertical	114,300	On
Felsen Vertical	167,800	On
Horst	34,438	On
Jewel 64	70,324	On
Cathcart	16,664	On
Bergschrund	3,792	On
Chamois	0	Off
Chamois Vertical	35,440	On
	0	0
	0	0
	0	0
Lewter	4,242	On
Total	852,555	

C.L.A.W.A.	FLOWS - GPM				Production M-T-D (Cubic Feet)
	Timed	Requested	Variance	% Variance	
CF - Crestline	50	50	0	0.00%	309,759
Mile High 2"	30	30	0	0.00%	173,409
Mile High 4"	0	0	0	0.00%	0
Pinecrest 2"	0	0	0	0.00%	0
Pinecrest 4"	150	150	0	0.00%	764,572
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%	50,000
Total	230	230	0	0.00%	1,297,740

November Purchases	GPM	Cubic Feet	Wells	GPM	Cubic Feet
Last Year M-T-D:	214.8	1,281,908		140.7	839,686
Actual M-T-D:	217.5	1,297,740		142.9	852,555
Over/(Under) Last Year:	2.6	15,832.0		2.2	12,869.0

Total	GPM	Cubic Feet
Last Year M-T-D:	355.5	2,121,594
Actual M-T-D:	360.3	2,150,295
Over/(Under) Last Year:	4.8	28,701.0

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

12/10/15

Source Name	November	December	January '15	February	March	April	May	June	July	August	September	October	November	Last 12 Months	13 Months
Division 10															
Altdorf	60,998	62,013	61,686	52,584	65,113	59,329	62,534	55,514	57,920	56,285	54,015	53,232	54,980	695,205	756,203
Pioneer #2	44,633	41,726	43,660	37,542	45,747	39,207	43,330	38,646	40,711	39,978	38,439	37,606	38,436	485,028	529,661
Pioneer #1	32,630	46,662	37,187	30,585	37,474	30,898	31,038	27,345	28,606	28,202	26,813	26,155	26,353	377,318	409,948
Old Mill Springs	16,590	16,320	15,900	14,360	18,050	15,260	15,320	14,520	14,220	12,640	5,860	0	0	142,450	159,040
Maple Springs	24,018	25,369	19,959	15,990	15,431	14,846	9,536	8,425	7,530	8,280	2,745	1,300	3,153	132,564	156,582
Willow Springs	3,030	3,860	3,350	2,640	3,140	1,950	1,080	310	120	0	0	0	0	16,450	19,480
Brookside Springs	8,150	11,000	9,710	7,960	10,150	8,710	9,350	7,880	7,340	8,020	0	0	0	80,120	88,270
Hillside Springs	8,100	7,210	7,670	6,350	7,580	6,750	6,930	5,970	6,050	5,740	5,230	4,820	4,670	74,970	83,070
Pinecrest	19,020	21,720	21,970	16,500	17,370	16,810	17,240	14,220	13,450	11,340	8,990	7,630	6,170	173,410	192,430
Pinecrest Vertical	0	0	0	43,070	222,090	177,100	171,630	121,800	134,370	129,720	117,560	88,620	106,020	1,311,980	1,311,980
Cypress Vertical	89,140	65,690	87,820	78,370	87,680	85,390	91,520	83,080	87,410	78,150	7,270	123,480	98,280	974,140	1,063,280
Anderson Vertical	31,800	29,100	65,200	23,000	56,100	83,500	23,700	54,200	48,000	44,700	12,600	900	0	441,000	472,800
Division 10 Totals	338,109	330,670	374,112	328,951	585,925	539,750	483,208	431,910	445,727	423,055	279,522	343,743	338,062	4,904,635	5,242,744
Division 20															
Wilson Springs #1 & 2	95,251	85,172	72,451	80,158	90,102	80,236	83,274	70,981	73,134	74,192	67,937	66,926	67,493	912,056	1,007,307
Wilson Vertical	78,900	94,400	74,500	106,300	130,200	123,000	127,300	113,100	115,800	118,900	65,100	113,100	114,300	1,296,000	1,374,900
Felsen Vertical	134,540	169,620	181,970	157,320	189,000	157,720	179,070	162,870	163,600	172,150	154,910	152,920	167,800	2,008,950	2,143,490
Horst	46,300	42,100	44,200	37,600	45,100	40,000	41,500	36,700	37,800	37,334	35,152	34,460	34,438	466,384	512,684
Jewell No. 64	72,576	69,431	71,974	62,578	78,239	68,198	75,214	65,280	69,801	69,751	67,354	65,441	70,324	833,585	906,161
Cathcart	18,900	17,200	18,300	15,600	19,100	17,100	17,900	15,800	16,600	18,862	18,517	17,747	16,664	209,390	228,290
Bergschrund	12,095	10,606	10,959	9,140	10,675	9,354	9,266	7,611	7,303	6,290	5,197	4,468	3,792	94,661	106,756
Chamois	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chamois Vertical	38,600	35,880	38,290	33,380	40,240	36,480	38,590	34,690	36,760	36,420	34,870	34,350	35,440	435,390	473,990
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	4,416	4,234	4,425	3,906	4,729	4,275	4,606	4,109	4,285	4,279	3,989	4,030	4,242	51,109	55,525
Division 20 Totals	501,578	528,643	517,069	505,982	607,385	536,363	576,720	511,141	525,083	538,178	453,026	493,442	514,493	6,307,525	6,809,103
Total District Sources	839,687	859,313	891,181	834,933	1,193,310	1,076,113	1,059,928	943,051	970,810	961,233	732,548	837,185	852,555	11,212,160	12,051,847
C.L.A.W.A.															
Crest Forest 6"	301,872	279,813	351,471	259,893	316,711	289,037	330,615	303,209	392,380	402,005	437,299	362,701	309,759	4,034,893	4,336,765
Mile High Park 2"	232,487	163,717	173,864	156,243	191,644	217,607	168,209	182,741	251,230	241,150	217,580	193,182	173,409	2,330,576	2,563,063
Mile High Park 4"	0	33,289	0	0	0	0	0	0	13,904	0	27,807	0	0	75,000	75,000
Pinecrest 2"	0	0	0	1,283	0	46,471	506,324	89,813	0	0	0	1,618	0	645,509	645,509
Pinecrest 4"	716,578	579,679	822,995	523,396	473,529	416,711	0	713,369	857,353	985,695	973,396	631,551	764,572	7,742,246	8,458,824
Lake Drive 2"	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lake Drive 4"	0	0	0	0	401	0	0	58,155	0	0	0	0	0	58,556	58,556
Camp Seely	30,749	29,278	17,246	23,396	20,455	42,380	41,444	59,358	77,406	45,856	77,005	23,128	50,000	506,952	537,701
C.L.A.W.A. Totals	1,281,686	1,085,776	1,365,576	964,211	1,002,740	1,012,206	1,046,592	1,406,645	1,592,273	1,674,706	1,733,087	1,212,180	1,297,740	15,393,732	16,675,418
Grand Totals	2,121,373	1,945,089	2,256,757	1,799,144	2,196,050	2,088,319	2,106,520	2,349,696	2,563,083	2,635,939	2,465,635	2,049,365	2,150,295	26,605,892	28,727,265

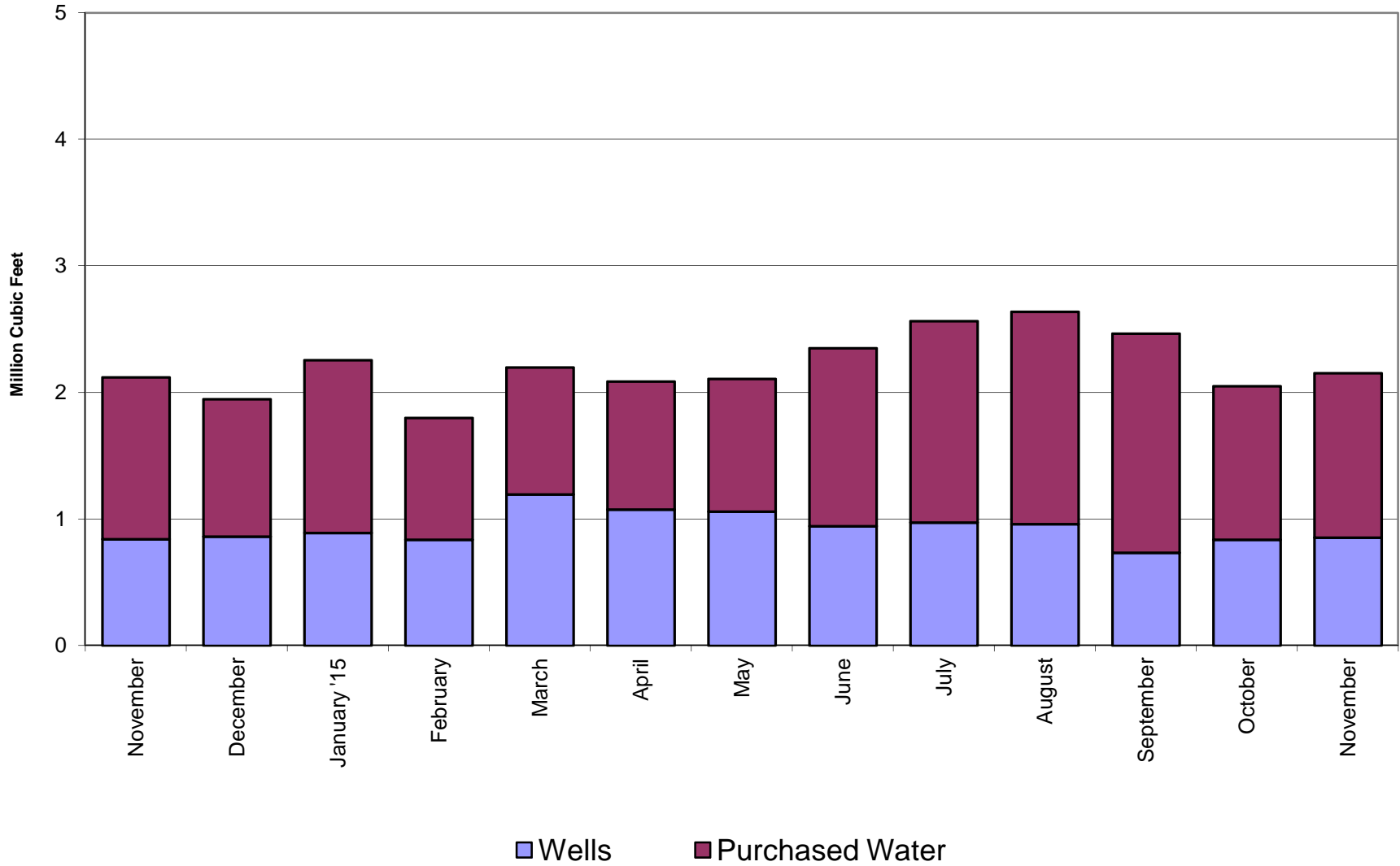
**Crestline Village Water District
Source of Supply Production Report
Cubic Feet
Last 13 Months**

12/10/15

<u>Source Name</u>	<u>November</u>	<u>December</u>	<u>January '15</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>Last 12 Months</u>	<u>13 Months</u>
District Sources															
Division 10	338,109	330,670	374,112	328,951	585,925	539,750	483,208	431,910	445,727	423,055	279,522	343,743	338,062	4,904,635	5,242,744
Division 20	501,578	528,643	517,069	505,982	607,385	536,363	576,720	511,141	525,083	538,178	453,026	493,442	514,493	6,307,525	6,809,103
Total	839,687	859,313	891,181	834,933	1,193,310	1,076,113	1,059,928	943,051	970,810	961,233	732,548	837,185	852,555	11,212,160	12,051,847
Division 10	40.27%	38.48%	41.98%	39.40%	49.10%	50.16%	45.59%	45.80%	45.91%	44.01%	38.16%	41.06%	39.65%	43.74%	43.50%
Division 20	59.73%	61.52%	58.02%	60.60%	50.90%	49.84%	54.41%	54.20%	54.09%	55.99%	61.84%	58.94%	60.35%	56.26%	56.50%
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	839,687	859,313	891,181	834,933	1,193,310	1,076,113	1,059,928	943,051	970,810	961,233	732,548	837,185	852,555	11,212,160	12,051,847
C.L.A.W.A.	1,281,686	1,085,776	1,365,576	964,211	1,002,740	1,012,206	1,046,592	1,406,645	1,592,273	1,674,706	1,733,087	1,212,180	1,297,740	15,393,732	16,675,418
Total Sources	2,121,373	1,945,089	2,256,757	1,799,144	2,196,050	2,088,319	2,106,520	2,349,696	2,563,083	2,635,939	2,465,635	2,049,365	2,150,295	26,605,892	28,727,265
District Sources	39.58%	44.18%	39.49%	46.41%	54.34%	51.53%	50.32%	40.14%	37.88%	36.47%	29.71%	40.85%	39.65%	42.14%	41.95%
C.L.A.W.A.	60.42%	55.82%	60.51%	53.59%	45.66%	48.47%	49.68%	59.86%	62.12%	63.53%	70.29%	59.15%	60.35%	57.86%	58.05%
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%

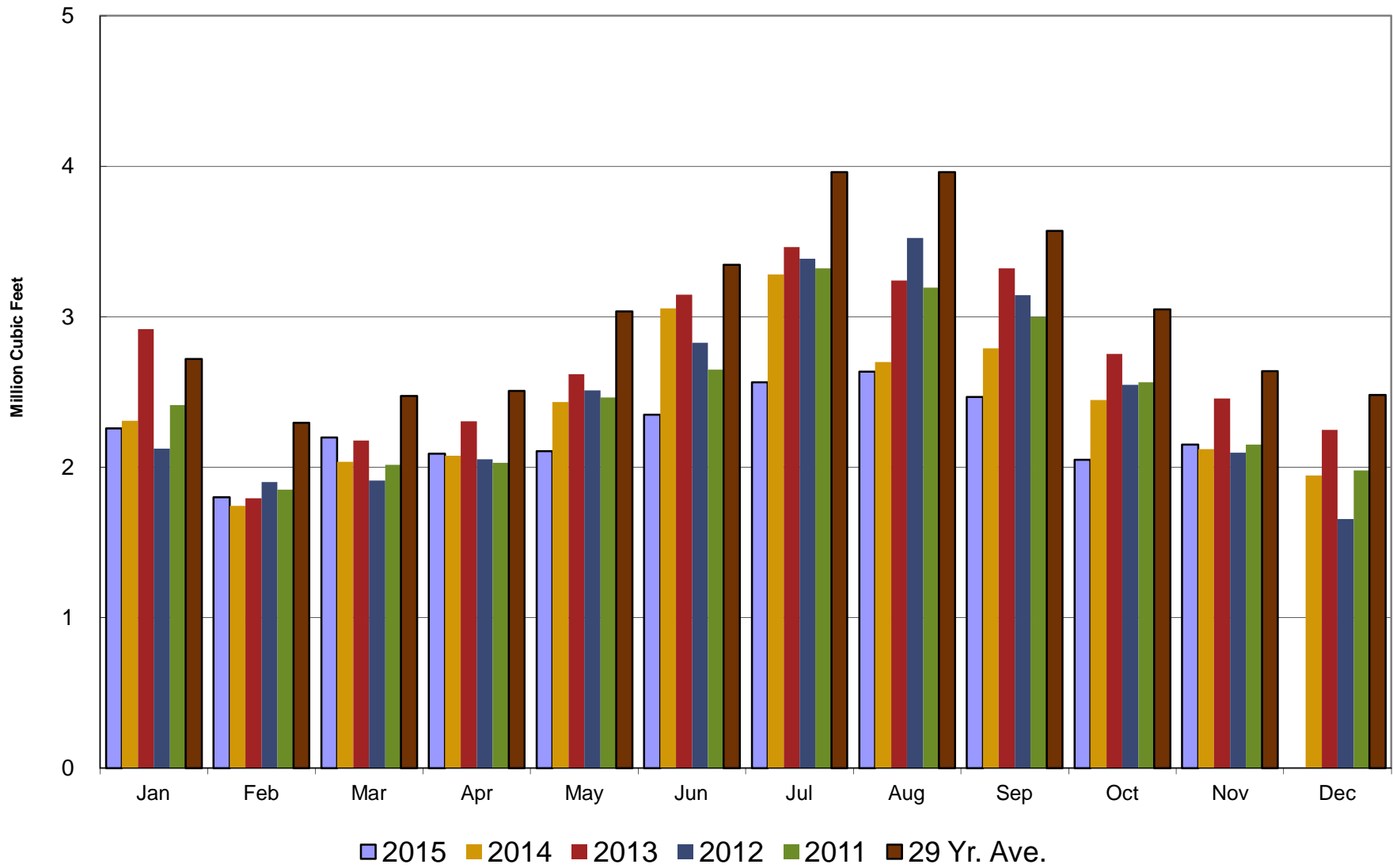
Crestline Village Water District

Water Sources - Last 13 Months



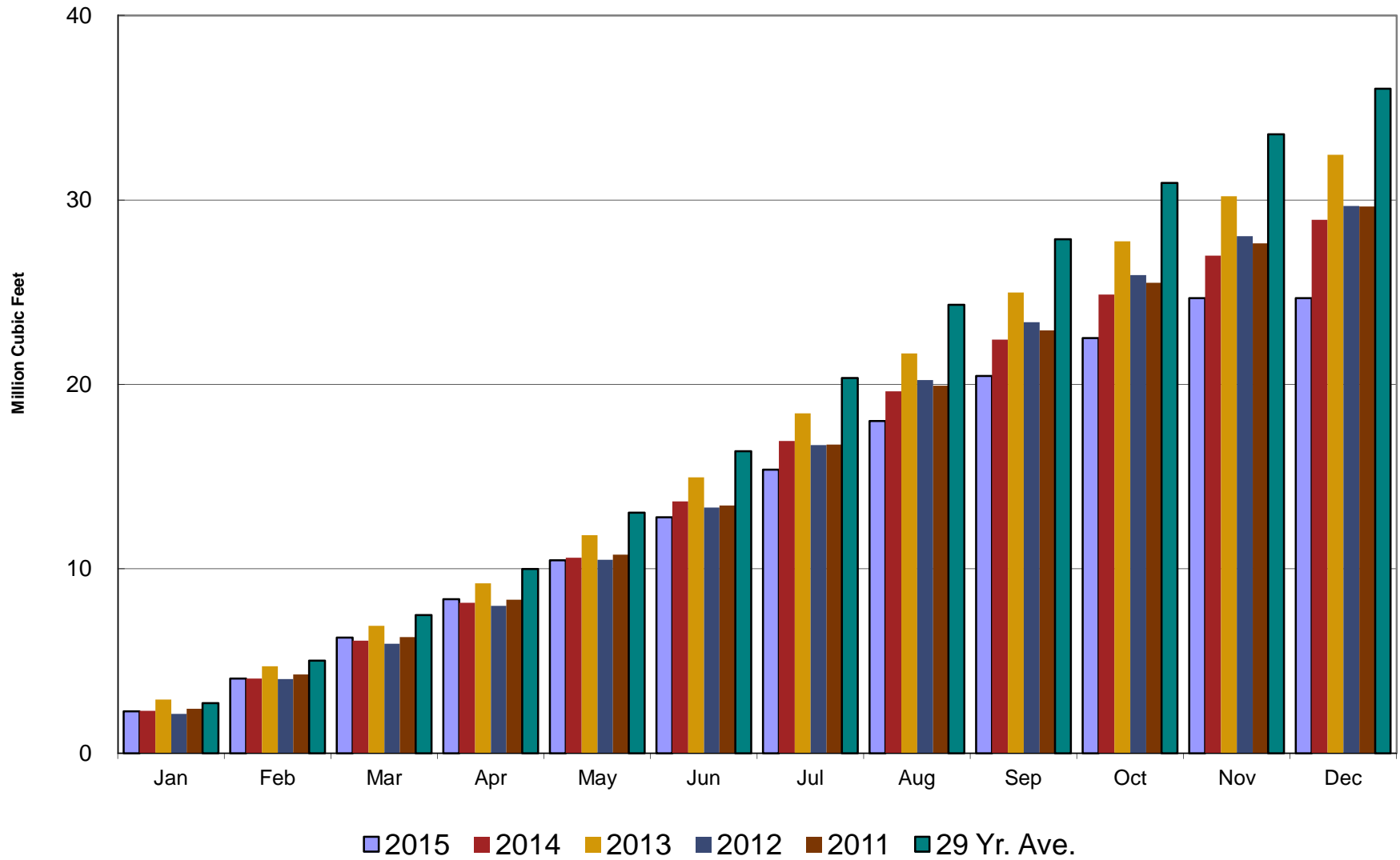
Crestline Village Water District

Total Production by Month



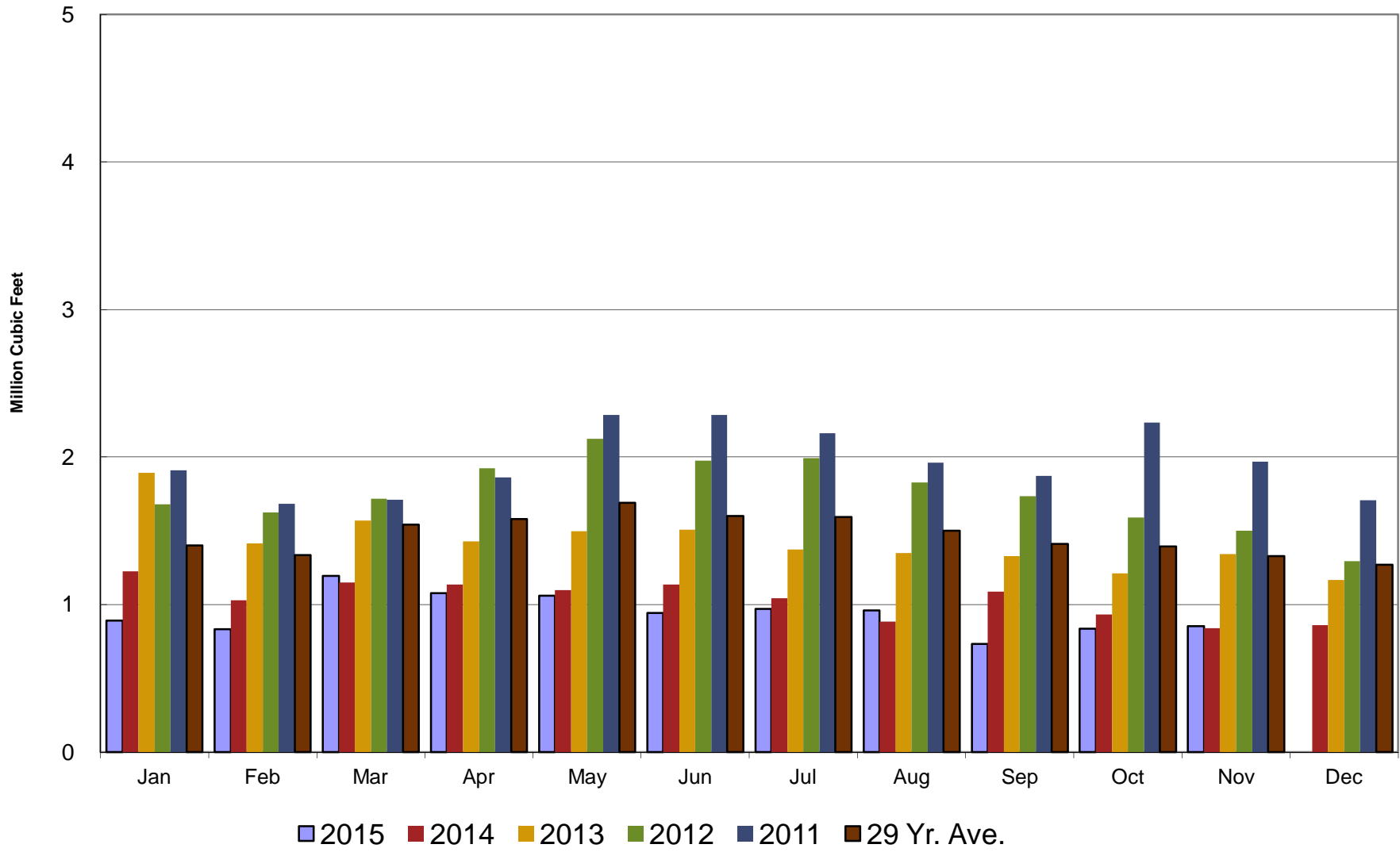
Crestline Village Water District

Total Production Cumulative



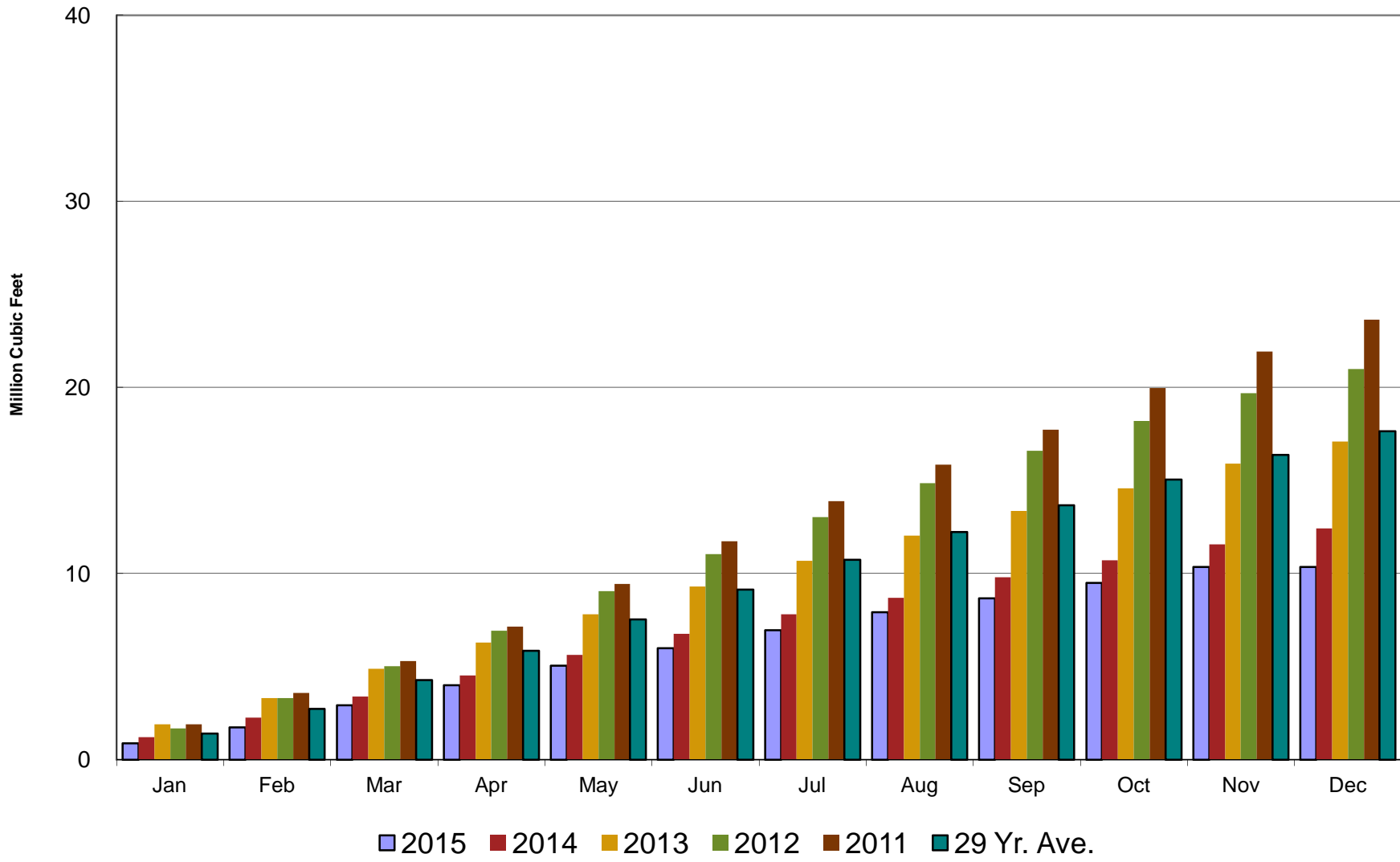
Crestline Village Water District

Well Production by Month



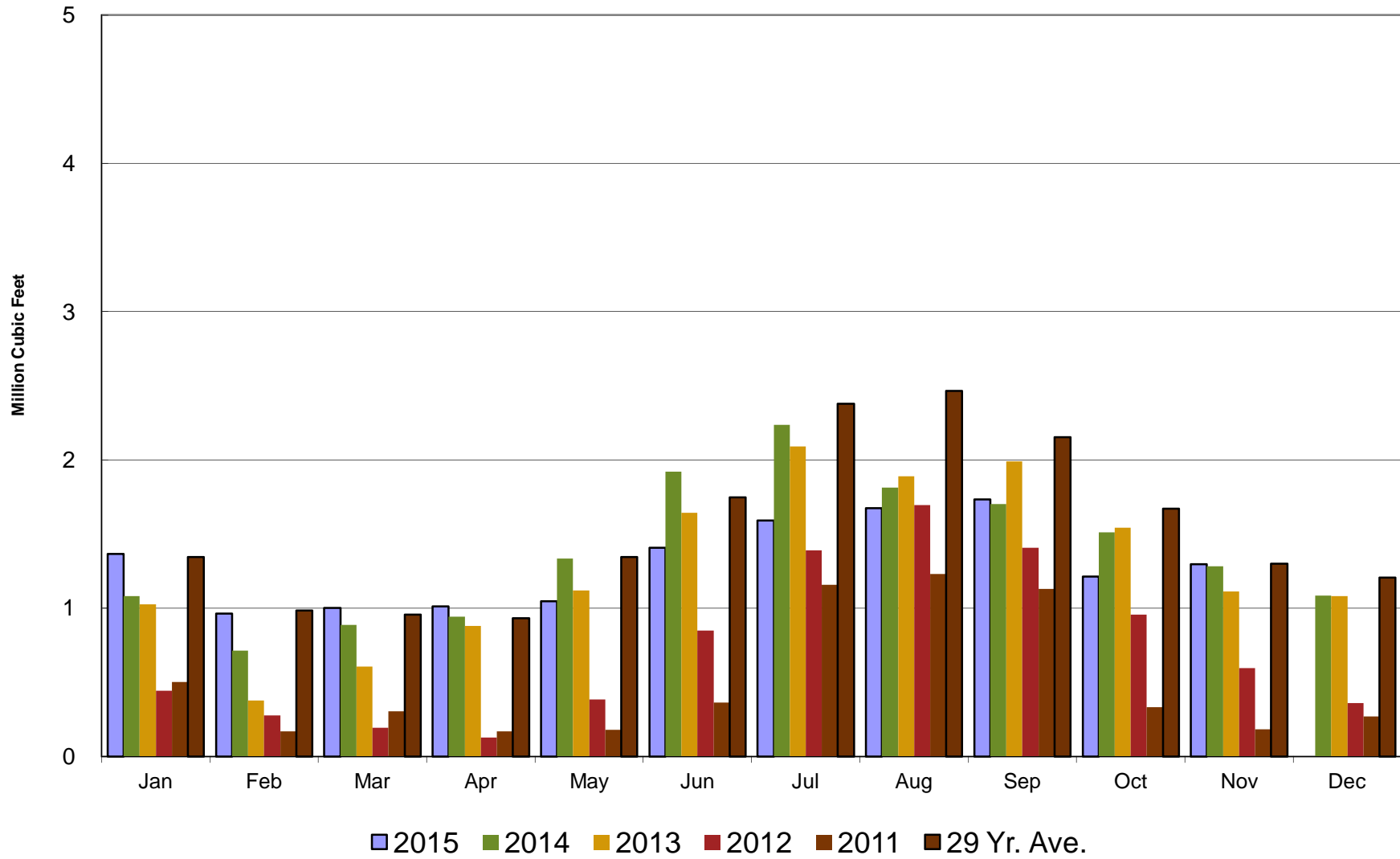
Crestline Village Water District

Well Production Cumulative



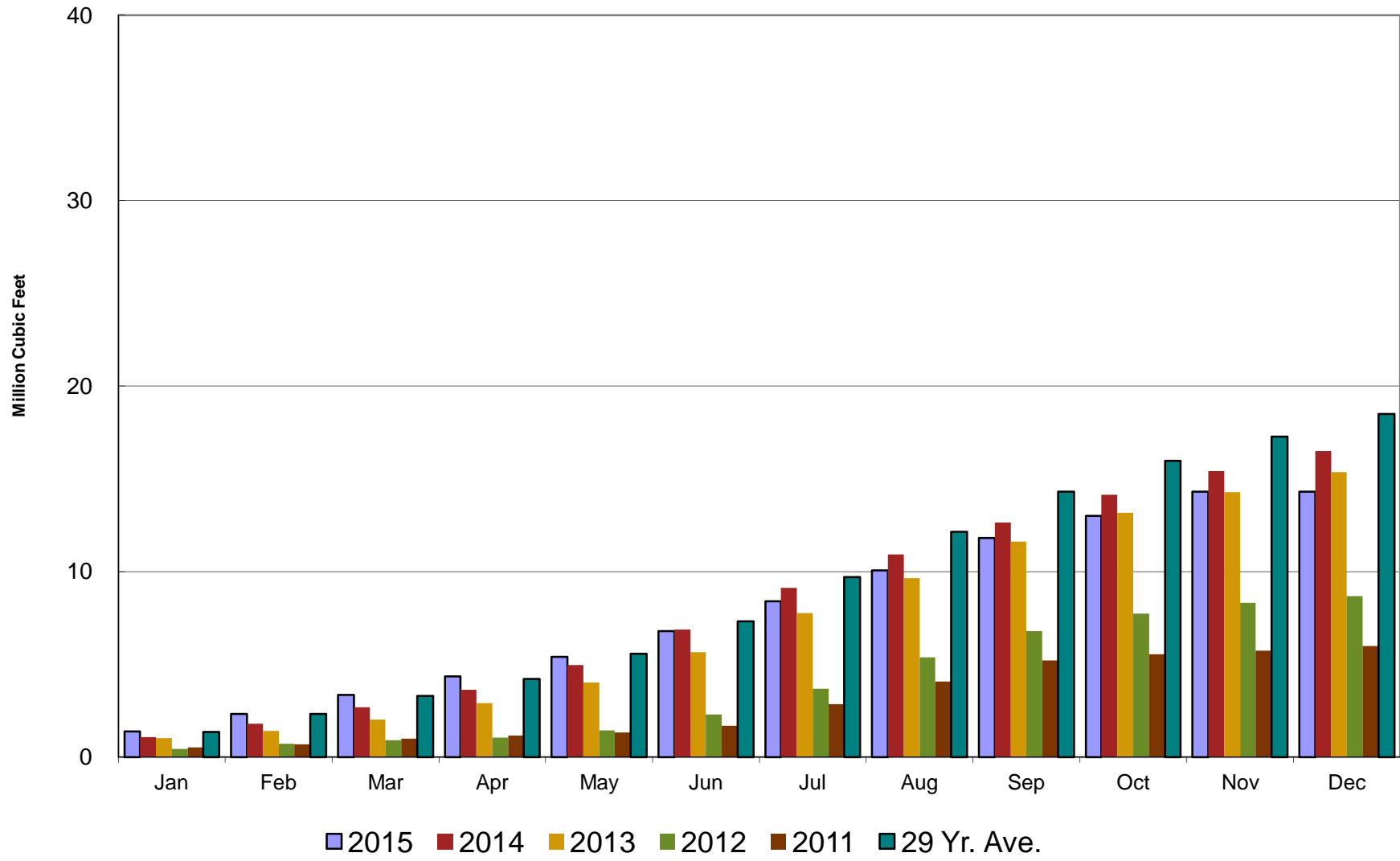
Crestline Village Water District

Purchased Water by Month



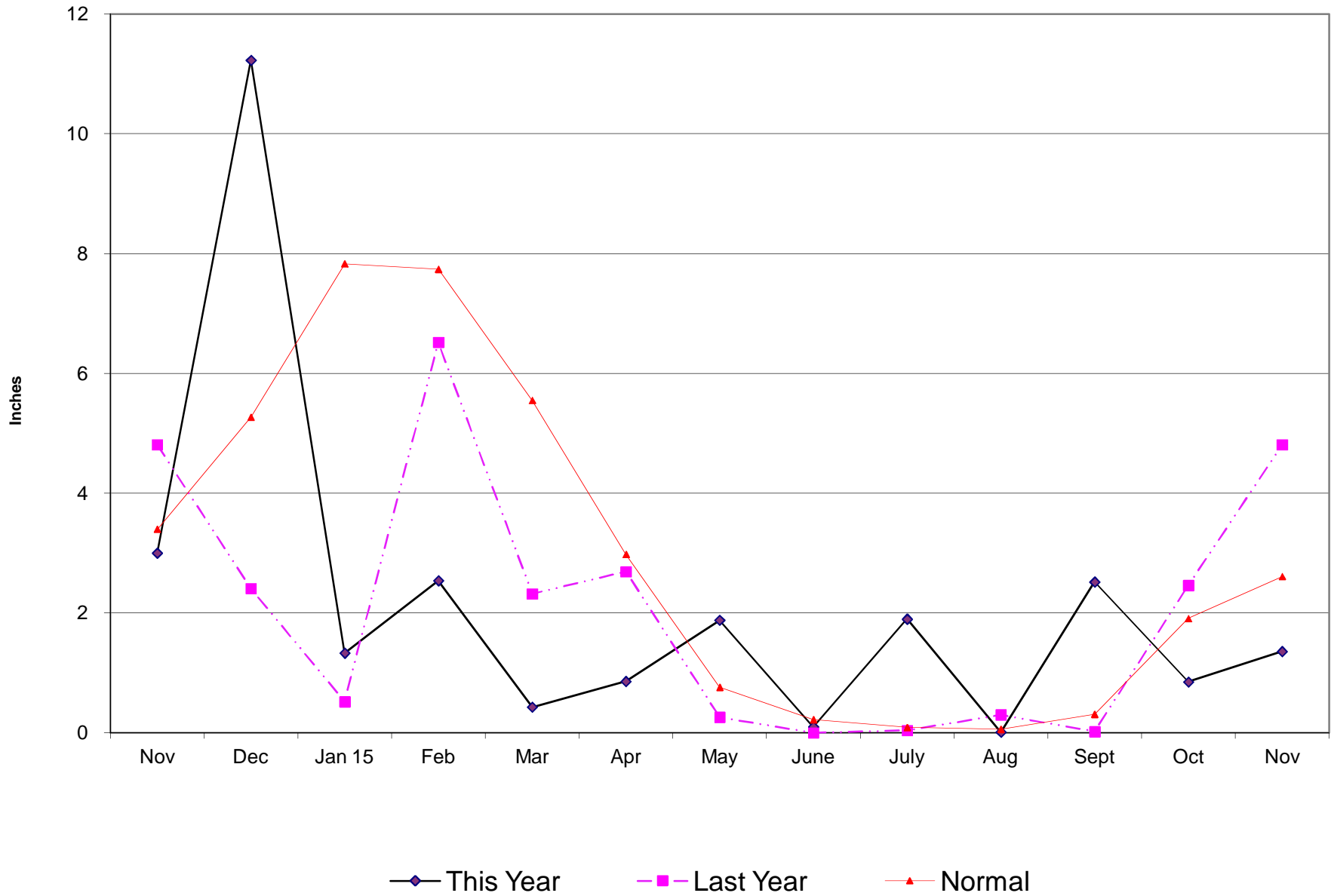
Crestline Village Water District

Purchased Water Cumulative



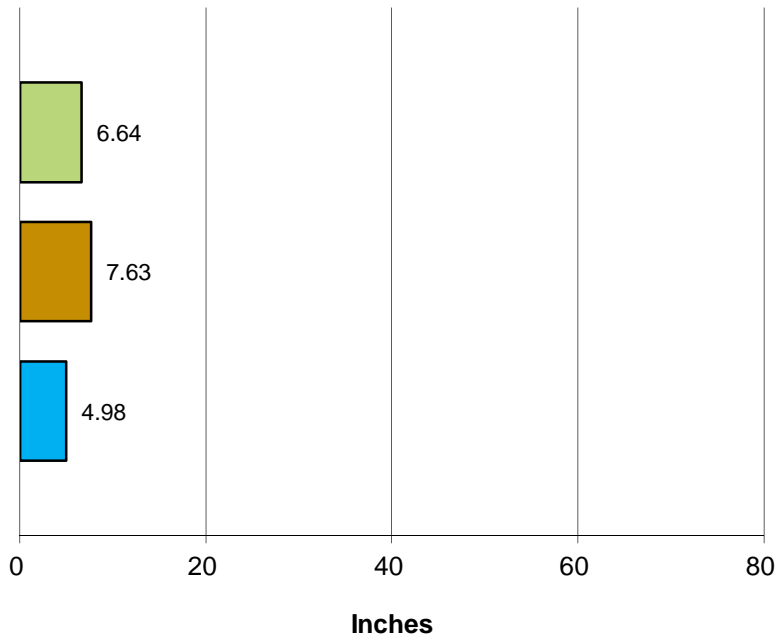
Crestline Village Water District

Rainfall - Last 13 Months



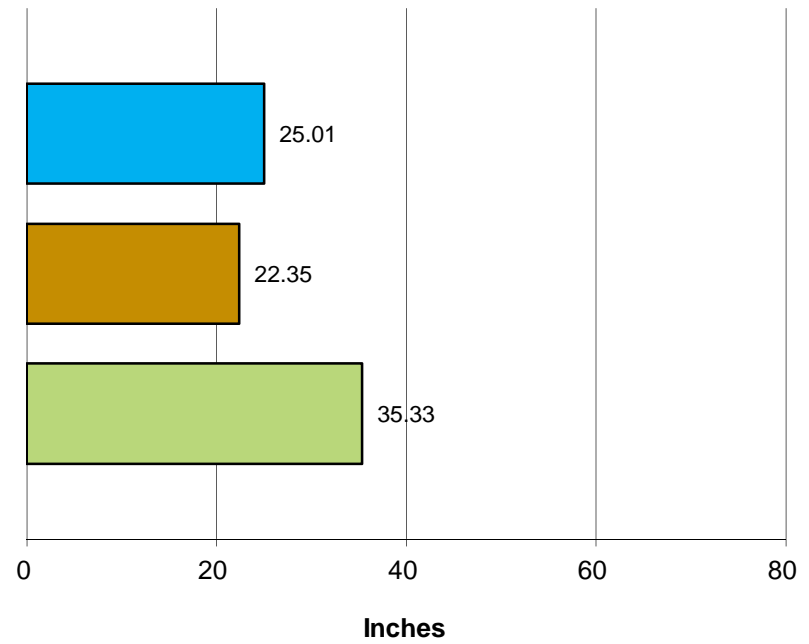
Crestline Village Water District

Total Rainfall July 1, 2015 to Beginning of Current Month



■ This Year ■ Last Year ■ Normal

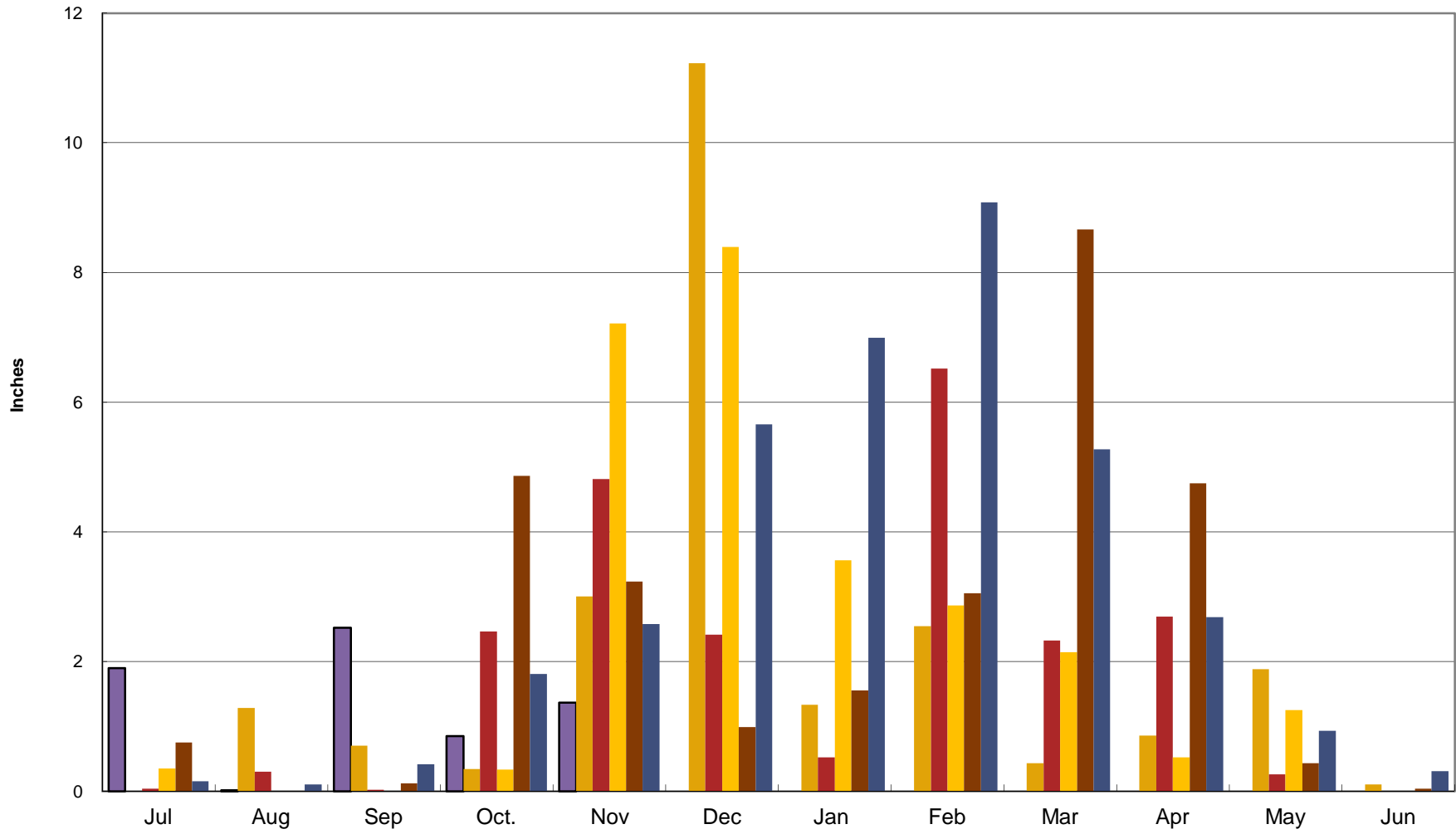
Total Rainfall Last 12 Months



■ This Year ■ Last Year ■ Normal

Crestline Village Water District

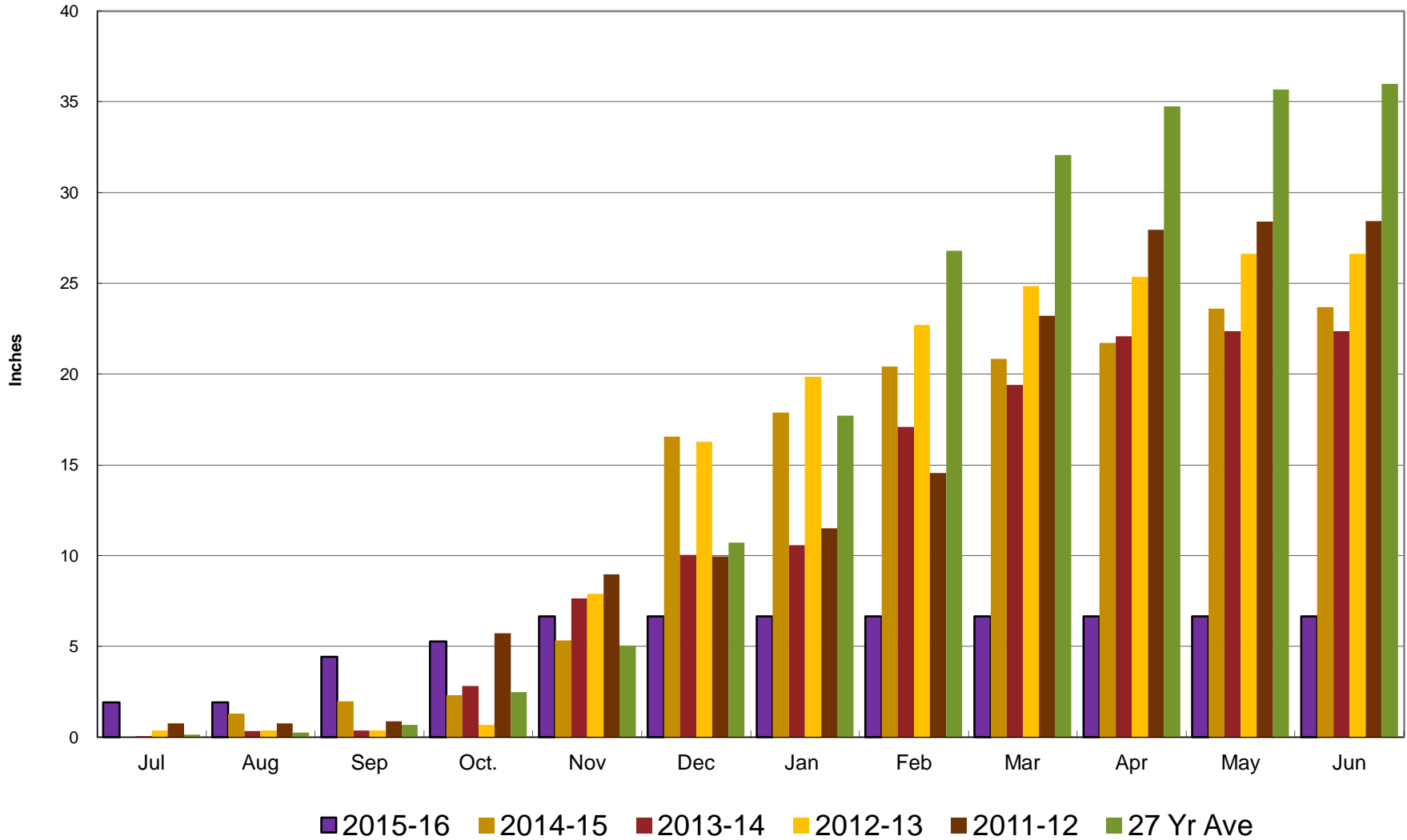
Rainfall by Month



Crestline Village Water District

2015-16 2014-15 2013-14 2012-13 2011-12 27 Yr Ave

Rainfall Cumulative



Crestline Village Water District
Change in Water Production - Cubic Feet
2013 to 2015

2015 Production	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Wells	891,181	834,933	1,193,310	1,076,113	1,059,928	943,051	970,810	961,233	732,548	837,185	852,555	0	10,352,847
CLAWA	1,365,576	964,211	1,002,740	1,012,206	1,046,592	1,406,645	1,592,273	1,674,706	1,733,087	1,212,180	1,297,740	0	14,307,956
Total	2,256,757	1,799,144	2,196,050	2,088,319	2,106,520	2,349,696	2,563,083	2,635,939	2,465,635	2,049,365	2,150,295	0	24,660,803

2015 Cumulative													
Wells	891,181	1,726,114	2,919,424	3,995,537	5,055,465	5,998,516	6,969,326	7,930,559	8,663,107	9,500,292	9,515,662	9,515,662	
CLAWA	1,365,576	2,329,787	3,332,527	4,344,733	5,391,325	6,797,970	8,390,243	10,064,949	11,798,036	13,010,216	13,095,776	13,095,776	
Total	2,256,757	4,055,901	6,251,951	8,340,270	10,446,790	12,796,486	15,359,569	17,995,508	20,461,143	22,510,508	22,611,438	22,611,438	

2013 Production													
Wells	1,892,667	1,416,423	1,570,947	1,427,183	1,498,424	1,506,235	1,372,567	1,350,287	1,330,182	1,210,928	1,344,261	1,168,307	17,088,411
CLAWA	1,026,069	378,743	606,417	878,490	1,119,532	1,641,898	2,091,243	1,889,105	1,991,017	1,541,056	1,111,284	1,081,043	15,355,897
Total	2,918,736	1,795,166	2,177,364	2,305,673	2,617,956	3,148,133	3,463,810	3,239,392	3,321,199	2,751,984	2,455,545	2,249,350	32,444,308

2013 Cumulative													
Wells	1,892,667	3,309,090	4,880,037	6,307,220	7,805,644	9,311,879	10,684,446	12,034,733	13,364,915	14,575,843	15,920,104	17,088,411	
CLAWA	1,026,069	1,404,812	2,011,229	2,889,719	4,009,251	5,651,149	7,742,392	9,631,497	11,622,514	13,163,570	14,274,854	15,355,897	
Total	2,918,736	4,713,902	6,891,266	9,196,939	11,814,895	14,963,028	18,426,838	21,666,230	24,987,429	27,739,413	30,194,958	32,444,308	

Change in Production													
Wells	(1,001,486)	(581,490)	(377,637)	(351,070)	(438,496)	(563,184)	(401,757)	(389,054)	(597,634)	(373,743)	(491,706)		
CLAWA	339,507	585,468	396,323	133,716	(72,940)	(235,253)	(498,970)	(214,399)	(257,930)	(328,876)	186,456		
Total	(661,979)	3,978	18,686	(217,354)	(511,436)	(798,437)	(900,727)	(603,453)	(855,564)	(702,619)	(305,250)		
Total (AF)	(15.20)	0.09	0.43	(4.99)	(11.74)	(18.33)	(20.68)	(13.85)	(19.64)	(16.13)	(7.01)		

% Change													
Wells	-52.91%	-41.05%	-24.04%	-24.60%	-29.26%	-37.39%	-29.27%	-28.81%	-44.93%	-30.86%	-36.58%		
CLAWA	33.09%	154.58%	65.35%	15.22%	-6.52%	-14.33%	-23.86%	-11.35%	-12.95%	-21.34%	16.78%		
Total	-22.68%	0.22%	0.86%	-9.43%	-19.54%	-25.36%	-26.00%	-18.63%	-25.76%	-25.53%	-12.43%		

Cummulative Change													
Wells	(1,001,486)	(1,582,976)	(1,960,613)	(2,311,683)	(2,750,179)	(3,313,363)	(3,715,120)	(4,104,174)	(4,701,808)	(5,075,551)	(5,567,257)		
CLAWA	339,507	924,975	1,321,298	1,455,014	1,382,074	1,146,821	647,851	433,452	175,522	(153,354)	33,102		
Total	(661,979)	(658,001)	(639,315)	(856,669)	(1,368,105)	(2,166,542)	(3,067,269)	(3,670,722)	(4,526,286)	(5,228,905)	(5,534,155)		
Total (AF)	(15.20)	(15.11)	(14.68)	(19.67)	(31.41)	(49.74)	(70.41)	(84.27)	(103.91)	(120.04)	(127.05)		

% Cummulative Change													
Wells	-52.91%	-47.84%	-40.18%	-36.65%	-35.23%	-35.58%	-34.77%	-34.10%	-35.18%	-34.82%	-34.97%		
CLAWA	33.09%	65.84%	65.70%	50.35%	34.47%	20.29%	8.37%	4.50%	1.51%	-1.16%	0.23%		
Total	-22.68%	-13.96%	-9.28%	-9.31%	-11.58%	-14.48%	-16.65%	-16.94%	-18.11%	-18.85%	-18.33%		

Crestline Village Water District
Change in Customer Water Consumption - Cubic Feet
2013 to 2015

2015 Consumption	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Cubic Feet	2,030,852	1,755,211	1,768,074	1,917,495	1,880,620	2,114,618	2,386,642	2,343,529	2,424,023	2,024,493	2,224,412		22,869,969
Total	2,030,852	1,755,211	1,768,074	1,917,495	1,880,620	2,114,618	2,386,642	2,343,529	2,424,023	2,024,493	2,224,412	0	22,869,969
2015 Cummulative													
Cubic Feet	2,030,852	3,786,063	5,554,137	7,471,632	9,352,252	11,466,870	13,853,512	16,197,041	18,621,064	20,645,557	20,845,476	20,845,476	
Total	2,030,852	3,786,063	5,554,137	7,471,632	9,352,252	11,466,870	13,853,512	16,197,041	18,621,064	20,645,557	20,845,476	20,845,476	
2013 Consumption													
Cubic Feet	2,261,012	1,952,389	1,843,970	2,101,256	2,351,113	2,776,689	3,125,809	3,075,879	2,952,319	2,417,952	2,060,523	2,062,910	28,981,821
Total	2,261,012	1,952,389	1,843,970	2,101,256	2,351,113	2,776,689	3,125,809	3,075,879	2,952,319	2,417,952	2,060,523	2,062,910	28,981,821
2013 Cummulative													
Cubic Feet	2,261,012	4,213,401	6,057,371	8,158,627	10,509,740	13,286,429	16,412,238	19,488,117	22,440,436	24,858,388	26,918,911	28,981,821	
Total	2,261,012	4,213,401	6,057,371	8,158,627	10,509,740	13,286,429	16,412,238	19,488,117	22,440,436	24,858,388	26,918,911	28,981,821	
Change in Consumption													
Cubic Feet	(230,160)	(197,178)	(75,896)	(183,761)	(470,493)	(662,071)	(739,167)	(732,350)	(528,296)	(393,459)	163,889		
Total	(230,160)	(197,178)	(75,896)	(183,761)	(470,493)	(662,071)	(739,167)	(732,350)	(528,296)	(393,459)	163,889		
Total (AF)	(5.28)	(4.53)	(1.74)	(4.22)	(10.80)	(15.20)	(16.97)	(16.81)	(12.13)	(9.03)	3.76		
% Change													
Cubic Feet	-10.18%	-10.10%	-4.12%	-8.75%	-20.01%	-23.84%	-23.65%	-23.81%	-17.89%	-16.27%	7.95%		
Total	-10.18%	-10.10%	-4.12%	-8.75%	-20.01%	-23.84%	-23.65%	-23.81%	-17.89%	-16.27%	7.95%		
Cummulative Change													
Cubic Feet	(230,160)	(427,338)	(503,234)	(686,995)	(1,157,488)	(1,819,559)	(2,558,726)	(3,291,076)	(3,819,372)	(4,212,831)	(4,048,942)		
Total	(230,160)	(427,338)	(503,234)	(686,995)	(1,157,488)	(1,819,559)	(2,558,726)	(3,291,076)	(3,819,372)	(4,212,831)	(4,048,942)		
Total (AF)	(5.28)	(9.81)	(11.55)	(15.77)	(26.57)	(41.77)	(58.74)	(75.55)	(87.68)	(96.71)	(92.95)		
% Cummulative Change													
Cubic Feet	-10.18%	-10.14%	-8.31%	-8.42%	-11.01%	-13.69%	-15.59%	-16.89%	-17.02%	-16.95%	-15.04%		
Total	-10.18%	-10.14%	-8.31%	-8.42%	-11.01%	-13.69%	-15.59%	-16.89%	-17.02%	-16.95%	-15.04%		

**Crestline Village Water District
Gallons Per Capita Daily Calculation**

Calendar 2015

	<u>Jan</u>	<u>Feb</u>	<u>Mar</u>	<u>Apr</u>	<u>May</u>	<u>Jun</u>	<u>Jul</u>	<u>Aug</u>	<u>Sep</u>	<u>Oct</u>	<u>Nov</u>	<u>Dec</u>	<u>Total</u>
Residential Services with 92325 Zip	2,627	2,618	2,631	2,639	2,644	2,652	2,634	2,656	2,673	2,680	2,682		
People per Household	2.83	2.83	2.83	2.83	2.83	2.83	2.83	2.83	2.83	2.83	2.83	2.83	
Est. Full-Time Population	7,434	7,409	7,446	7,468	7,483	7,505	7,454	7,516	7,565	7,584	7,590		
Days Per Month	31	28	31	30	31	30	31	31	30	31	30	31	365
Gallons Water Produced	16,880,542	13,457,597	16,426,454	15,620,626	15,756,770	17,575,726	19,171,861	19,716,824	18,442,950	15,329,250	16,084,207	0	184,462,806
92325 Residential Water Usage (% Residential Water)	1,366,525 67.29%	1,219,853 69.50%	1,240,834 70.18%	1,318,864 68.78%	1,261,004 67.05%	1,403,292 66.36%	1,501,209 62.90%	1,512,834 64.55%	1,554,560 64.13%	1,364,184 67.38%	1,295,925 58.26%		
Gallons Per Capita Daily - 2015	73.25	64.87	71.16	69.72	67.93	78.06	82.97	84.62	81.26	65.20	70.64		
R - Gallons Per Capita Daily - 2015	49.29	45.09	49.94	47.96	45.54	51.80	52.19	54.62	52.11	43.93	41.15		

Calendar 2013

Residential Services with 92325 Zip	2,604	2,604	2,591	2,603	2,597	2,592	2,596	2,589	2,580	2,603	2,597	2,592	2,596
People per Household	2.83	2.83	2.83	2.83	2.83	2.83	2.83	2.83	2.83	2.83	2.83	2.83	2.83
Est. Full-Time Population	7,369	7,369	7,333	7,366	7,350	7,335	7,347	7,327	7,301	7,366	7,350	7,335	7,347
Days Per Month	31	28	31	30	31	30	31	31	30	31	30	31	365
Gallons Water Produced	21,832,145	13,427,842	16,286,683	17,246,434	19,582,311	23,548,035	25,909,299	24,230,652	24,842,569	20,584,840	18,367,477	16,825,138	242,683,424
92325 Residential Water Usage (% Residential Water)	1,419,270 62.77%	1,272,987 65.20%	1,230,130 66.71%	1,399,353 66.60%	1,502,032 63.89%	1,750,211 63.03%	1,918,331 61.37%	1,925,042 62.59%	1,890,412 64.03%	1,568,571 64.87%	1,418,663 68.85%	1,332,536 64.59%	18,627,538 64.27%
Gallons Per Capita Daily - 2013	95.57	65.08	71.65	78.05	85.94	107.01	113.76	106.68	113.42	90.15	83.30	73.99	90.50
R - Gallons Per Capita Daily - 2013	59.99	42.43	47.79	51.98	54.91	67.45	69.81	66.77	72.62	58.48	57.35	47.79	58.16
Change R-GPCD 2013-2015	(10.70)	2.65	2.15	(4.02)	(9.37)	(15.65)	(17.63)	(12.15)	(20.51)	(14.55)	(16.20)		
% Change	-17.84%	6.25%	4.49%	-7.74%	-17.06%	-23.20%	-25.25%	-18.19%	-28.24%	-24.87%	-28.24%		



Applications > [Urban Water R-GPCD \(https://drinc.ca.gov/dnn/Applications/UrbanWaterR-GPCD.aspx\)](https://drinc.ca.gov/dnn/Applications/UrbanWaterR-GPCD.aspx)

Residential gallons-per-capita-day (R-GPCD) is calculated using the formula below from monthly Monitoring Reports submitted by urban water suppliers as required under emergency regulation.

$$\frac{\text{Monthly Water Production} * \text{Percentage Residential Use}}{(\text{Population}) * (\text{Days in Month})}$$

R-GPCD figures are compared with the 2013 baseline year's usage for the same period, the monthly average for the supplier's hydrological region, and the statewide average. Only suppliers with a calculated R-GPCD between 25 and 1000 are used in calculation of averages. For questions on this application, please contact the [DRINC Portal Administrator \(mailto:drinc@cdph.ca.gov?subject=GPCD\)](mailto:drinc@cdph.ca.gov).



The California Water Plan Update BULLETIN 04 04

FIGURE ES1.2
California's Hydrologic Regions



ES1.5

INTRODUCTION

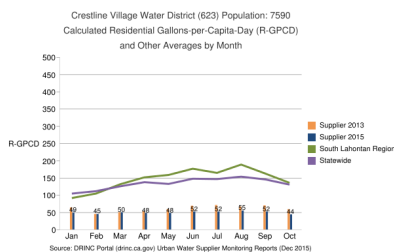
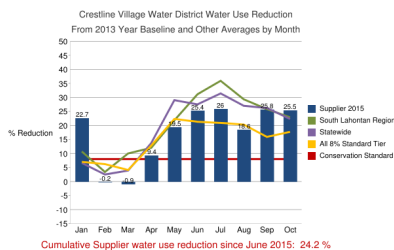
It is not appropriate to use R-GPCD water use data for comparisons across water suppliers unless all relevant factors are accounted for. Factors that can affect per capita water usage include:

- Rainfall, temperature and evaporation rates – Precipitation and temperature varies widely across the state. Areas with high temperature and low rainfall need to use more water to maintain outdoor landscaping. Even within the same hydrological region or the same water supply district, these factors can vary considerably having a significant effect on the amount of water needed to maintain landscapes.
- Population growth – As communities grow, new residential dwellings are constructed with more efficient plumbing fixtures, which cause interior water use to decline per person as compared to water use in older communities. Population growth also increases overall demand.
- Population density – highly urbanized areas with high population densities use less water per person than do more rural or suburban areas since high density dwellings tend to have shared outdoor spaces and there is less landscaped area per person that needs to be irrigated.
- Socio-economic measures such as lot size and income – Areas with higher incomes generally use more water than areas with lower incomes. Larger landscaped residential lots that require more water are often associated with more affluent communities. Additionally, higher income households may be less sensitive to the cost of water, since it represents a smaller portion of household income.
- Water prices – Water prices can influence demand by providing a monetary incentive for customers to conserve water. Rate structures have been established in many districts for water conservation, but the effectiveness of these rate structures to deter excessive use and customer sensitivity to water prices vary.

Urban water suppliers are required to report by the 15th of each month the previous month's water usage. To view urban water supplier usage by Supplier, Hydrological Region, and State, select from the drop-down list below.

Crestline Village Water District (623)

Cumulative State urban water use reduction since June 2015: 27.1 %



These charts are generated dynamically from the production data set. To download a spreadsheet of the data, please click [HERE](http://www.waterboards.ca.gov/waterrights/water_issues/programs/drought/conservati) (http://www.waterboards.ca.gov/waterrights/water_issues/programs/drought/conservati). A "0" on the bottom chart indicates that a report has not been submitted for that month. The charts may not display properly using the Chrome browser.