Crestline Village Water District
Change in Water Production - Cubic Feet
2013 to 2016

2016 Production	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Wells	732,462	761,607	710,788	766,045	730,757	-	-	-	-	-	-	-	3,701,659
CLAWA	1,113,770	1,062,981	1,245,041	1,069,759	903,196	-	-	-	-	-	-	-	5,394,747
Total	1,846,232	1,824,588	1,955,829	1,835,804	1,633,953	-	-	-	-	-	-	-	9,096,406
2016 Cummulative													
Wells	732,462	1,494,069	2,204,857	2,970,902	3,701,659	-	-	-	-	-	-	-	
CLAWA	1,113,770	2,176,751	3,421,792	4,491,551	5,394,747	-	-	-	-	-	-	-	
Total	1,846,232	3,670,820	5,626,649	7,462,453	9,096,406	-	-	-	-	-	-	-	
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 Cummulative													
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	(1,160,205)	(654,816)	(860,159)	(661,138)	(767,667)	-	-	-	-	-	-	-	
CLAWA	87,701	684,238	638,624	191,269	(216,336)	-	-	-	-	-	-	-	
Total	**(1,072,504)**	**29,422**	**(221,535)**	**(469,869)**	**(984,003)**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	
Total (AF)	**(24.62)**	**0.68**	**(5.09)**	**(10.79)**	**(22.59)**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	
% Change													
Wells	-61.30%	-46.23%	-54.75%	-46.32%	-51.23%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
CLAWA	8.55%	180.66%	105.31%	21.77%	-19.32%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Total	**-36.75%**	**1.64%**	**-10.17%**	**-20.38%**	**-37.59%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	
Cummulative Change													
Wells	(1,160,205)	(1,815,021)	(2,675,180)	(3,336,318)	(4,103,985)	-	-	-	-	-	-	-	
CLAWA	87,701	771,939	1,410,563	1,601,832	1,385,496	-	-	-	-	-	-	-	
Total	**(1,072,504)**	**(1,043,082)**	**(1,264,617)**	**(1,734,486)**	**(2,718,489)**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	
Total (AF)	**(24.62)**	**(23.95)**	**(29.03)**	**(39.82)**	**(62)**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	
% Cummulative Change													
Wells	-61.30%	-54.85%	-54.82%	-52.90%	-52.58%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
CLAWA	8.55%	54.95%	70.13%	55.43%	34.56%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Total	**-36.75%**	**-22.13%**	**-18.35%**	**-18.86%**	**-23.01%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	

Crestline Village Water District
Change in Customer Water Consumption - Cubic Feet
2013 to 2016

2016 Consumption	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**Oct**	**Nov**	**Dec**	**Total**
Cubic Feet	1,875,535	1,775,517	1,738,076	1,821,088	1,894,598	-	-	-	-	-	-	-	9,104,814
Total	1,875,535	1,775,517	1,738,076	1,821,088	1,894,598	-	-	-	-	-	-	-	9,104,814
2016 Cummulative													
Cubic Feet	1,875,535	3,651,052	5,389,128	7,210,216	9,104,814	-	-	-	-	-	-	-	
Total	1,875,535	3,651,052	5,389,128	7,210,216	9,104,814	-	-	-	-	-	-	-	
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	(385,477)	(176,872)	(105,894)	(280,168)	(456,515)	-	-	-	-	-	-	-	
Total	**(385,477)**	**(176,872)**	**(105,894)**	**(280,168)**	**(456,515)**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	
Total (AF)	**(8.85)**	**(4.06)**	**(2.43)**	**(6.43)**	**(10.48)**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	
% Change	-17.05%	-9.06%	-5.74%	-13.33%	-19.42%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Total	**-17.05%**	**-9.06%**	**-5.74%**	**-13.33%**	**-19.42%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	
Cummulative Change													
Cubic Feet	(385,477)	(562,349)	(668,243)	(948,411)	(1,404,926)	-	-	-	-	-	-	-	
Total	**(385,477)**	**(562,349)**	**(668,243)**	**(948,411)**	**(1,404,926)**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	
Total (AF)	**(8.85)**	**(12.91)**	**(15.34)**	**(21.77)**	**(32.25)**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	
% Cummulative Change	-17.05%	-13.35%	-11.03%	-11.62%	-13.37%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Total	**-17.05%**	**-13.35%**	**-11.03%**	**-11.62%**	**-13.37%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	

Crestline Village Water District
Gallons Per Capita Daily Calculation

Calendar 2016

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Average
Residential Services with 92325 Zip	2,684	2,687	2,686	2,705	2,706	-	-	-	-	-	-	-	1,122
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	7,596	7,604	7,601	7,655	7,658	-	-	-	-	-	-	-	3,175
Days Per Month	31	29	31	30	31	30	31	31	30	31	30	31	366
Gallons Water Produced	13,809,815	13,647,918	14,629,601	13,731,814	12,221,968	-	-	-	-	-	-	-	68,041,117
92325 Residential Water Usage (	1,300,498	1,256,102	1,219,629	1,288,286	1,323,024	-	-	-	-	-	-	-	6,387,539
% Residential Water	69.34%	70.75%	70.17%	70.74%	69.83%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	70.16%
Gallons Per Capita Daily - 2016	**58.65**	**61.89**	**62.09**	**59.79**	**51.48**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**58.55**
R - Gallons Per Capita Daily - 2016	**40.67**	**43.79**	**43.57**	**42.30**	**35.95**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**41.08**

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 (	1,419,270	1,272,987	1,230,130	1,399,353	1,502,032	1,750,211	1,918,331	1,925,042	1,890,412	1,568,571	1,418,663	1,332,536	18,627,538
% Residential Water	62.77%	65.20%	66.71%	66.60%	63.89%	63.03%	61.37%	62.59%	64.03%	64.87%	68.85%	64.59%	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	**(19.32)**	**1.36**	**(4.23)**	**(9.68)**	**(18.96)**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**(17.08)**
% Change	**-32.21%**	**3.20%**	**-8.85%**	**-18.62%**	**-34.53%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**-29.37%**

DRINKING WATER INFORMATION CLEARINGHOUSE
DRINC PORTAL

Applications > Urban Water R-GPCD (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.

Monthly Water Production * Percentage Residential Use
(Population) * (Days in Month)

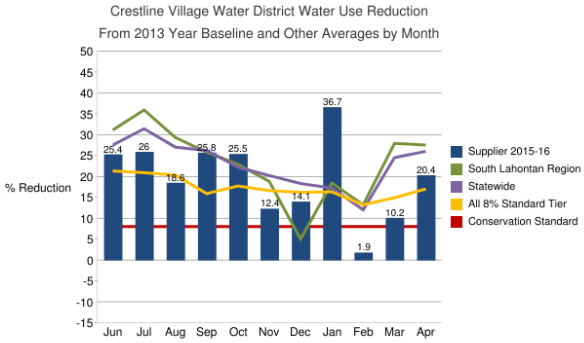
R-GPCD figures are compared with the 2013 baseline year's usage for the same period, the monthly average for the supplier's **hydrological region**, and the **statewide** average. Only suppliers with a calculated R-GPCD between 25 and 1000 are used in calculation of averages. For questions on this application,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

Save Our WATER (http://saveourwater.com/)

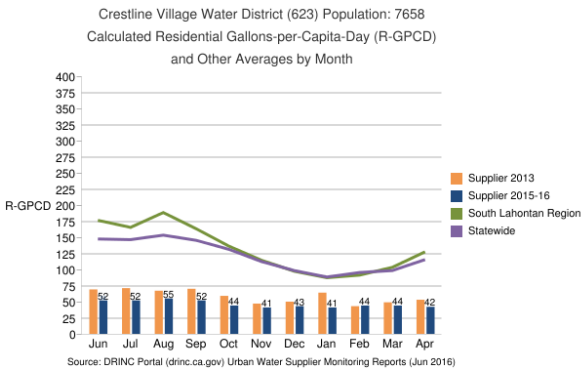
Urban water suppliers are required to report by the 15th of each month the previous month's water usa urban water supplier usage by Supplier, Hydrological Region, and State, select from the drop-down li

Crestline Village Water District (623)

Cumulative State urban water use reduction since June 2015: 24



Cumulative Supplier water use reduction since June 2015: 21.1 %



Source: DRINC Portal (drinc.ca.gov) Urban Water Supplier Monitoring Reports (Jun 2016)

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

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.