# Crestline Village Water District Change in Water Production - Cubic Feet

2013 to 2016

Wels	2016 Production	<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>	Oct	Nov	<u>Dec</u>	<u>Total</u>
Production   1,846,232   1,845,848   1,855,828   1,835,838   1,835,838   1,8	Wells	732,462	761,607	710,788	766,045	-	-	-	-	-	-	-	-	2,970,902
March   Marc						-	-	-	-		-	-	-	
CLAWA	Total	1,846,232	1,824,588	1,955,829	1,835,804	-	-	-	-	-	-	-	-	7,462,453
Clawar   C	2016 Cummulative													
Total   1,846,232   3,670,820   5,626,649   7,462,453	Wells	732,462	1,494,069	2,204,857	2,970,902	-	-	-	-	-	-	-	-	
Name	CLAWA	1,113,770	2,176,751	3,421,792	4,491,551	-	-	-	-	-	-	-	-	
Mails	Total	1,846,232	3,670,820	5,626,649	7,462,453	-	-	-	-	-	-	-	-	
CLAWA   1.026.068   378,743   6.06,417   876,400   1.191,502   1.641,808   2.041,203   3.889,105   1.891,017   1.541,056   1.111,204   1.081,043   13.858,870   1.081,043,043   1.081,043   1.081,043   1.081,043   1.081,043   1.081,04	2013 Production													
CLAWA   1.026,068   3.78,743   6.06,417   8.78,405   1.19,502   1.94,1688   2.091,243   1.889,058   1.891,015   1.941,056   1.11   2.04   1.016,045   1.026,058	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
Total   1,992,667   1,795,166   2,177,364   2,305,673   2,617,966   3,148,133   3,468,810   3,239,392   3,321,199   2,751,964   2,455,545   2,249,350   32,444,308   2,913	CLAWA													
Mells	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	
Mells	2013 Cummulative													
CLAWA   1,026,068   1,404,812   2,011,229   2,889,719   4,009,251   5,651,149   7,742,392   9,631,497   11,622,514   13,163,670   14,274,854   15,355,897   1,041,000   14,274,854   14,000		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	
Change in Production  Wells (1,160,205) (654,816) (860,159) (661,138)														
Wells	Total	2,918,736	4,713,902		9,196,939	11,814,895	14,963,028	18,426,838	21,666,230	24,987,429	27,739,413	30,194,958		
Wells														
CLAWA         87,701         684,238         638,624         191,269         -	Change in Production													
Total Total (AF)         (1,072,504)         29,422         (221,535)         (469,869)         -	Wells	(1,160,205)	(654,816)	(860,159)	(661,138)	-	-	-	-	-	-	-	-	
Total (AF)         (24.62)         0.68         (5.09)         (10.79)         - <th< td=""><td>CLAWA</td><td>87,701</td><td>684,238</td><td>638,624</td><td>191,269</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td></td></th<>	CLAWA	87,701	684,238	638,624	191,269	-	-	-	-	-	-	-	-	
% Change           Wells         -61.30%         -46.23%         -54.75%         -46.32%         0.00%         0.0	Total	(1,072,504)	29,422	(221,535)	(469,869)	-	-	-	-	-	-	-	-	
Wells         -61.30%         -46.23%         -54.75%         -46.32%         0.00%	Total (AF)	(24.62)	0.68	(5.09)	(10.79)	-	-	-	-	-	-	-	-	
CLAWA         8.55%         180.66%         105.31%         21.77%         0.00%	% Change													
Total         -36.75%         1.64%         -10.17%         -20.38%         0.00%	Wells	-61.30%	-46.23%	-54.75%	-46.32%	0.00%	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)         -	CLAWA	8.55%	180.66%	105.31%	21.77%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Wells         (1,160,205)         (1,815,021)         (2,675,180)         (3,336,318)         - </td <td>Total</td> <td>-36.75%</td> <td>1.64%</td> <td>-10.17%</td> <td>-20.38%</td> <td>0.00%</td> <td>0.00%</td> <td>0.00%</td> <td>0.00%</td> <td>0.00%</td> <td>0.00%</td> <td>0.00%</td> <td>0.00%</td> <td></td>	Total	-36.75%	1.64%	-10.17%	-20.38%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
CLAWA         87,701         771,939         1,410,563         1,601,832         -         <	Cummulative Change													
CLAWA         87,701         771,939         1,410,563         1,601,832         -         <	Wells	(1,160,205)	(1,815,021)	(2,675,180)	(3,336,318)	-	-	-	-	-	-	-	-	
Total Total (AF)         (1,072,504)         (1,043,082)         (1,264,617)         (1,734,486)         -	CLAWA	87,701	771,939	1,410,563	1,601,832	-	-	-	-	-	-	-	-	
% Cummulative Change         Wells       -61.30%       -54.85%       -54.82%       -52.90%       0.00% <td< td=""><td>Total</td><td>(1,072,504)</td><td>(1,043,082)</td><td>(1,264,617)</td><td>(1,734,486)</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td></td></td<>	Total	(1,072,504)	(1,043,082)	(1,264,617)	(1,734,486)	-	-	-	-	-	-	-	-	
Wells         -61.30%         -54.85%         -54.82%         -52.90%         0.00%	Total (AF)	(24.62)	(23.95)	(29.03)	(39.82)	-	-	-	-	-	-	-	-	
Wells         -61.30%         -54.85%         -54.82%         -52.90%         0.00%	% Cummulative Change													
CLAWA 8.55% 54.95% 70.13% 55.43% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00%		-61.30%	-54.85%	-54.82%	-52.90%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
	CLAWA													
		-36.75%			-18.86%	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 Cubic Feet	<u>Jan</u> 1,875,535	<u>Feb</u> 1,775,517	<u>Mar</u> 1,738,076	<u>Apr</u> 1,821,088	<u>May</u> -	<u>Jun</u> -	<u>Jul</u> -	Aug -	<u>Sep</u> -	<u>Oct</u> -	Nov -	<u>Dec</u> -	<u>Total</u> 7,210,216
Total	1,875,535	1,775,517	1,738,076	1,821,088	-	-	-	-	-	-	-	-	7,210,216
2016 Cummulative Cubic Feet	1,875,535	3,651,052	5,389,128	7,210,216	-	-	-	-	-	-	-	-	
Total	1,875,535	3,651,052	5,389,128	7,210,216	-	-	-	-	-	-	-	-	
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)	-	-	-	-	-	-	-	-	
Total	(385,477)	(176,872)	(105,894)	(280,168)	-	-	-	-	-	-	-	-	
Total (AF)	(8.85)	(4.06)	(2.43)	(6.43)	-	-	-	-	-	-	-	-	
% Change	-17.05%	-9.06%	-5.74%	-13.33%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Total	-17.05%	-9.06%	-5.74%	-13.33%	0.00%	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)	-	-	-	-	-	-	-	-	
Total	(385,477)	(562,349)	(668,243)	(948,411)	-	-	-	-	-	-	-	-	
Total (AF)	(8.85)	(12.91)	(15.34)	(21.77)	-	-	-	-	-	-	-	-	
% Cummulative Change	-17.05%	-13.35%	-11.03%	-11.62%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Total	-17.05%	-13.35%	-11.03%	-11.62%	0.00%	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

Calellual 2010													
Residential Services with 92325	<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>Average</u>
Zip	2,684	2,687	2,686	2,705	-	-	-	-	-	-	-	-	897
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	-	-	-	-	-	-	-	-	2,539
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	-	-	-	-	-	-	-	-	55,819,148
92325 Residential Water Usage (C	1,300,498	1,256,102	1,219,629	1,288,286	_	_	_	_	_	_	_	_	5,064,515
% Residential Water			70.17%	70.74%	0.00%	0.009/	0.009/	0.00%	0.00%	0.009/	0.009/	0.009/	
% Residential Water	69.34%	70.75%	70.17%	70.74%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	70.24%
Gallons Per Capita Daily - 2016	58.65	61.89	62.09	59.79	-	-	-	-	-	-	-	-	60.07
R - Gallons Per Capita Daily - 2016	40.67	43.79	43.57	42.30	-	-	-	-	-	-	-	-	42.19
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 (C	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%	
70 Nesidentiai Watei	02.77 /0	03.2076	00.7176	00.0076	03.0976	03.0376	01.57 /6	02.3976	04.0376	04.07 /0	00.03 /6	04.5976	04.27 /0
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
-	1.2.25			45.55									
Change R-GPCD 2013-2015	(19.32)	1.36	(4.23)	(9.68)	<u>-</u>	<u>.</u>	<u>-</u>	<u>.</u>	-	<u>.</u>	-	<u>-</u>	(15.97)
% Change _	-32.21%	3.20%	-8.85%	-18.62%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-27.46%



#### 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 <a href="mailto:DRINC Portal Administrator">DRINC Portal Administrator (mailto:drinc@cdph.ca.gov? subject=GPCD)</a>.



Coast

Coast

North
Lahortan

Flancisco

Flancisco

Tutare
Lake

Coast

Coast

Colorado
River

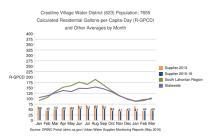
ES1-5

Urban water suppliers are required to report by the 15<sup>th</sup> 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: 24.0 %





These charts are generated dynamically from the production data set. To download a spreadsheet of the data, please click  $\underline{\sf HERE}$ 

(http://www.waterboards.ca.gov/waterrights/water\_issues/programs/drought/conservation)

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.

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:

INTRODUCTION

- 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.