



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?subject=GPCD).



(<http://saveourwater.com/>)

The California Water Plan Update BULLETIN 04 04

FIGURE ES1-2
California's Hydrologic Regions



ES1-5

INTRODUCTION

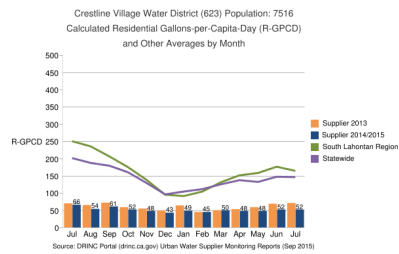
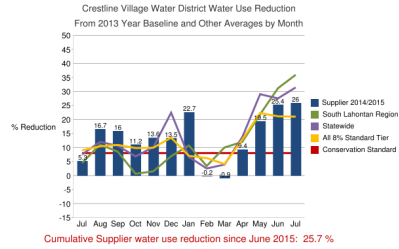
It is not appropriate to use R-GPCD water use data for comparisons across water suppliers unless all relevant factors are accounted for. Factors that can affect per capita water usage include:

- 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: 29.5 %



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.

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	0	0	0	0	7,930,559
CLAWA	1,365,576	964,211	1,002,740	1,012,206	1,046,592	1,406,645	1,592,273	1,674,706	0	0	0	0	10,064,949
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	0	0	0	0	17,995,508

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	7,930,559	7,930,559	7,930,559	7,930,559	
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	10,064,949	10,064,949	10,064,949	10,064,949	
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	17,995,508	17,995,508	17,995,508	17,995,508	

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)					
CLAWA	339,507	585,468	396,323	133,716	(72,940)	(235,253)	(498,970)	(214,399)					
Total	(661,979)	3,978	18,686	(217,354)	(511,436)	(798,437)	(900,727)	(603,453)					
Total (AF)	(15.20)	0.09	0.43	(4.99)	(11.74)	(18.33)	(20.68)	(13.85)					

% Change													
Wells	-52.91%	-41.05%	-24.04%	-24.60%	-29.26%	-37.39%	-29.27%	-28.81%					
CLAWA	33.09%	154.58%	65.35%	15.22%	-6.52%	-14.33%	-23.86%	-11.35%					
Total	-22.68%	0.22%	0.86%	-9.43%	-19.54%	-25.36%	-26.00%	-18.63%					

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)					
CLAWA	339,507	924,975	1,321,298	1,455,014	1,382,074	1,146,821	647,851	433,452					
Total	(661,979)	(658,001)	(639,315)	(856,669)	(1,368,105)	(2,166,542)	(3,067,269)	(3,670,722)					
Total (AF)	(15.20)	(15.11)	(14.68)	(19.67)	(31.41)	(49.74)	(70.41)	(84.27)					

% Cummulative Change													
Wells	-52.91%	-47.84%	-40.18%	-36.65%	-35.23%	-35.58%	-34.77%	-34.10%					
CLAWA	33.09%	65.84%	65.70%	50.35%	34.47%	20.29%	8.37%	4.50%					
Total	-22.68%	-13.96%	-9.28%	-9.31%	-11.58%	-14.48%	-16.65%	-16.94%					

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

<u>2015 Consumption</u>	<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>
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					16,197,041
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	0	0	0	0	16,197,041
<u>2015 Cummulative</u>													
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	16,197,041	16,197,041	16,197,041	16,197,041	
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	16,197,041	16,197,041	16,197,041	16,197,041	16,197,041
<u>2013 Consumption</u>													
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
<u>2013 Cummulative</u>													
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)					
Total	(230,160)	(197,178)	(75,896)	(183,761)	(470,493)	(662,071)	(739,167)	(732,350)					
Total (AF)	(5.28)	(4.53)	(1.74)	(4.22)	(10.80)	(15.20)	(16.97)	(16.81)					
% Change													
Cubic Feet	-10.18%	-10.10%	-4.12%	-8.75%	-20.01%	-23.84%	-23.65%	-23.81%					
Total	-10.18%	-10.10%	-4.12%	-8.75%	-20.01%	-23.84%	-23.65%	-23.81%					
Cummulative Change													
Cubic Feet	(230,160)	(427,338)	(503,234)	(686,995)	(1,157,488)	(1,819,559)	(2,558,726)	(3,291,076)					
Total	(230,160)	(427,338)	(503,234)	(686,995)	(1,157,488)	(1,819,559)	(2,558,726)	(3,291,076)					
Total (AF)	(5.28)	(9.81)	(11.55)	(15.77)	(26.57)	(41.77)	(58.74)	(75.55)					
% Cummulative Change													
Cubic Feet	-10.18%	-10.14%	-8.31%	-8.42%	-11.01%	-13.69%	-15.59%	-16.89%					
Total	-10.18%	-10.14%	-8.31%	-8.42%	-11.01%	-13.69%	-15.59%	-16.89%					

**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					
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					
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	0	0	0	0	134,606,400
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%					
Gallons Per Capita Daily - 2015	73.25	64.87	71.16	69.72	67.93	78.06	82.97	84.62					
R - Gallons Per Capita Daily - 2015	49.29	45.09	49.94	47.96	45.54	51.80	52.19	54.62					

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)					
% Change	-17.84%	6.25%	4.49%	-7.74%	-17.06%	-23.20%	-25.25%	-18.19%					