

# WATER USE UPDATE

August update

Public Services Department

Prepared by, Damaris Hanson

# Telegram Tribune Data Includes data prior to Governor's Declaration

Data from January to  
June 2013 - 2014

Water conservation  
started at the end of  
January therefore  
equates to a March bill

## A LOOK AT WATER USE IN SLO COUNTY COMMUNITIES

The table below shows how much water was used by all of the customers in each municipality, as well as by the municipality itself, for the first six months of 2013 compared to the first six months of 2014. The figures are shown in acre-feet; an acre-foot of water is equal to about 325,850 gallons.

Community	OVERALL USE			MUNICIPAL USE ONLY		
	2013	2014	% change	2013	2014	% change
Arroyo Grande	1,454.2	1,377.4	-5.3	31.2	29.0	-7.0
Atascadero	2,208.8	2,130.6	-3.5	N/A <sup>1</sup>	N/A <sup>1</sup>	N/A <sup>1</sup>
Cambria	354.8	245.7	-30.8	N/A	N/A	N/A
Cayucos <sup>2</sup>	50.7	50.3	-0.8	N/A	N/A	N/A
Grover Beach	864.6	827.6	-4.3	11.4	17.8	+56.0
Los Osos	299.2	280.8	-6.1	N/A <sup>3</sup>	N/A <sup>3</sup>	N/A <sup>3</sup>
Golden State (Los Osos) <sup>4</sup>	335.5	288.5	-14.0	N/A	N/A	N/A
Morro Bay	511.7	519.4	+1.5	15.6	19.4	+24.9
Oceano	415.7	389.9	-6.2	.22	.20	-12.0
Nipomo	1,207.3	1,102.1	-8.7	.08	.10	+25.0
Paso Robles	2,665.3	2,519.1	-5.5	36.1	27.3	-24.5
Pismo Beach	780.0	836.0	+7.2	6.5	6.8	+4.6
San Luis Obispo	2,522.0	2,725.0	+8.0	64.9 <sup>5</sup>	57.9 <sup>5</sup>	-10.7
Santa Margarita	65.7	66.2	+0.7	N/A	N/A	N/A
Shandon	42.5	41.4	-2.6	N/A	N/A	N/A
Templeton	841.3	711.7	-15.4	5.8 <sup>6</sup>	7.8 <sup>6</sup>	34.0 <sup>6</sup>

<sup>1</sup> The City of Atascadero is a customer of Atascadero Mutual Water Co. and was not able to analyze the data by press time.

<sup>2</sup> There are three water purveyors in Cayucos, and this number represents only a third of the customers in the community that are served by the county. Most of its customers are residents; most of the businesses in town are served by another purveyor.

<sup>3</sup> Los Osos CSD doesn't keep track of the district's operations facility water usage because it doesn't bill itself, said Margaret Falkner, the district's utility compliance technician.

<sup>4</sup> Golden State Water Co. serves 2,674 customers in Los Osos, nearly half of all the community. The rest are served by the Los Osos Community Services District.

<sup>5</sup> This number represents water use for most, but not all, of San Luis Obispo's parks and facilities. Some of the water being used at parks is also recycled water.

<sup>6</sup> This number includes water that doesn't go to Templeton customers; some of the water is used for flushing hydrants and sewer pipes.

# ...So is Morro Bay Conserving water?

City of Morro Bay  
2013  
108 gal/person/day

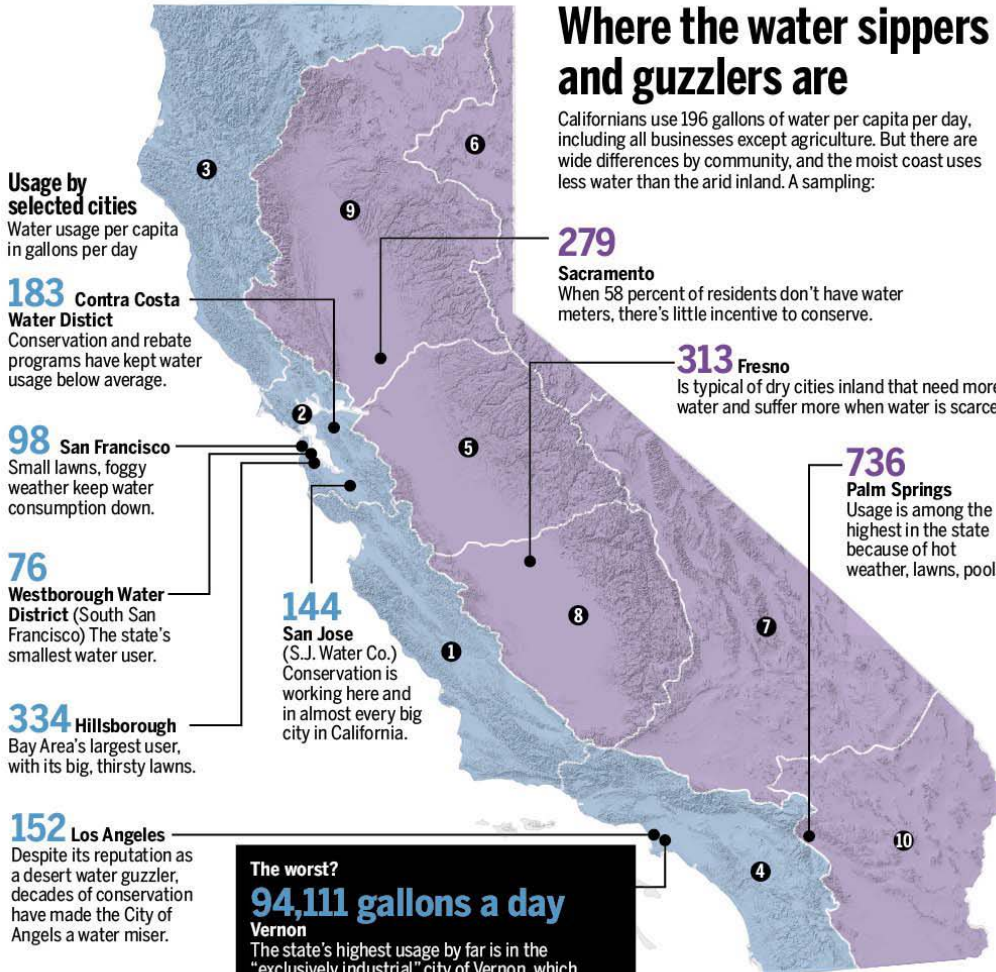
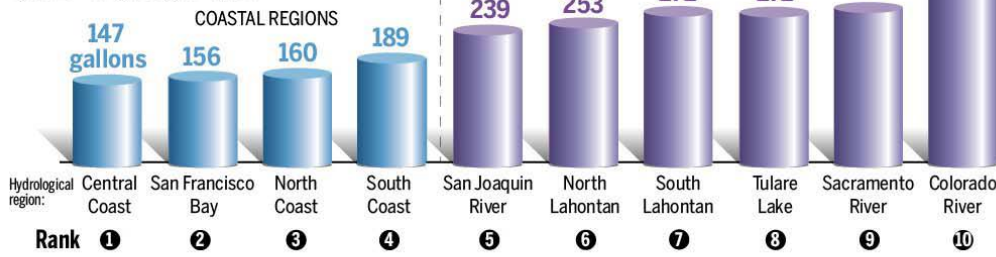


So far in 2014  
104 gal/person/day

City of Morro Bay  
Residential  
water use  
64 gal/person/day

**Coast uses less water, inland more**

Water usage per capita in gallons per day, by California hydrological regions



Source: California Department of Water Resources

KARL KAHLER/BAY AREA NEWS GROUP

**Where the water sippers and guzzlers are**

Californians use 196 gallons of water per capita per day, including all businesses except agriculture. But there are wide differences by community, and the moist coast uses less water than the arid inland. A sampling:

According to EPA  
an average family  
uses 300 gal/day  
at home

Average family  
size is 2.6

Morro Bay average  
family water  
usage is  
 $64 \times 2.6 =$   
166 gal/day

Image from Mercury News

# Conservation Efforts

- \* CA Governor Declares Drought State of Emergency - January 2014
- \* Severely Restricted Water Conservation measures - February 2014
- \* Council Declaration of local water emergency and Water Allocations - May 2014
- \* City distributed flyers to all residents in Morro Bay about water restrictions
- \* Provided handouts to Restaurants and Motels on water restrictions
- \* Water Conservation highlight in July Utility Newsletter
- \* Staff sends letters to potential water conservation violators reminding them of current measures
- \* Field staff handout water conservation reminder flyers
- \* Water Conservation Newsletter coming in September

# Residential Water use

## Residential Monthly Consumption (Units)

03/31/13	23,471		
04/31/13	26,237		
05/31/13	30,445		
06/30/13	31,847		<u>% Change</u>
07/31/13	<u>34,430</u>	<b>March</b>	<b>-10%</b>
	146,430	<b>April</b>	<b>-1%</b>
		<b>May</b>	<b>-16%</b>
		<b>June</b>	<b>-4%</b>
		<b>July</b>	<u><b>-10%</b></u>
		<b>Overall</b>	<b>-8%</b>
03/31/14	21,138		
04/30/14	25,920		
05/31/14	25,515		
06/30/14	30,631		
07/31/14	<u>30,852</u>		
	134,056		

# Commercial Water Use

## Commercial Monthly Consumption (Units)

03/31/13	8363			
04/31/13	9557			
05/31/13	11825			
06/30/13	13699		<u>% Change</u>	<u>Increase in Motel occupany</u>
07/31/13	<u>14158</u>	<b>March</b>	<b>-3%</b>	<b>1%</b>
Total	57602	<b>April</b>	<b>9%</b>	<b>9%</b>
		<b>May</b>	<b>-7%</b>	<b>3%</b>
		<b>June</b>	<b>0%</b>	<b>2%</b>
		<b>July</b>	<b>-2%</b>	<b>Not available</b>
		<b>Overall</b>	<b>-1%</b>	
03/31/14	8099			
04/30/14	10433			
05/31/14	11016			
06/30/14	13639			
07/31/14	<u>13835</u>			
Total	57022			

# City Water Usage

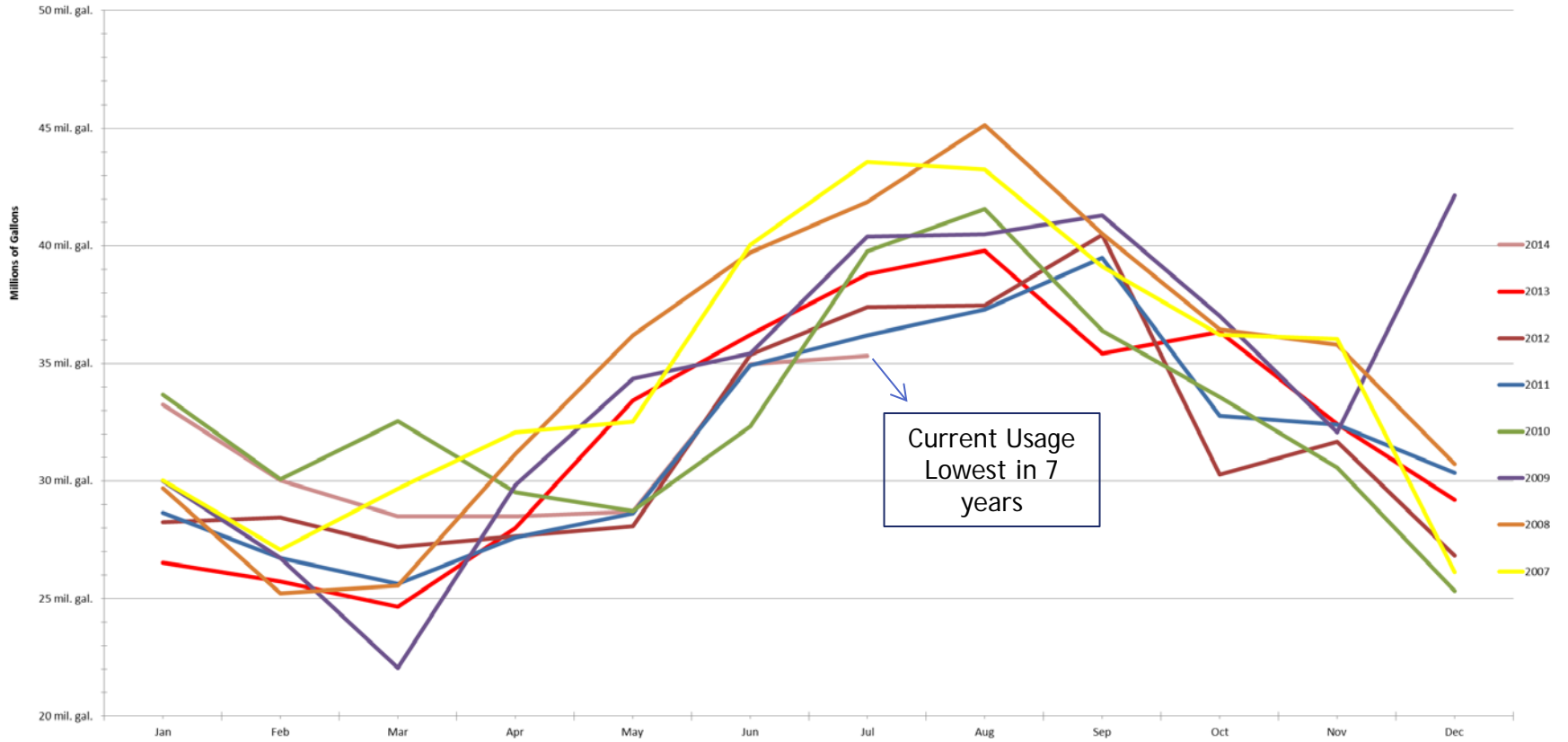
## City Parks Water Consumption (Units)

03/31/13	422		
04/31/13	704		
05/31/13	1172		
06/30/13	1555		
07/31/13	1908		
			<u>% Change</u>
Total	5761	March	<b>80%</b>
		April	<b>40%</b>
		May	<b>-18%</b>
		June	<b>-10%</b>
		July	<b>-28%</b>
		Overall	<b>-5%</b>
03/31/14	759		
04/30/14	989		
05/31/14	963		
06/30/14	1399		
07/31/14	1369		
Total	5479		

## City Facilities Water Consumption (Units)

03/31/13	335		
04/31/13	399		
05/31/13	396		
06/30/13	434		
07/31/13	456		
			<u>% Change</u>
Total	2,020	March	<b>-28%</b>
		April	<b>-26%</b>
		May	<b>-18%</b>
		June	<b>-14%</b>
		July	<b>5%</b>
		Overall	<b>-15%</b>
03/31/14	242		
04/30/14	296		
05/31/14	323		
06/30/14	372		
07/31/14	477		
Total	1,710		

### Overall Morro Bay Usage Model WATER USAGE



Current Usage  
Lowest in 7  
years



What More  
Can We do?

- \* Residential- Keep doing what you have been doing! Not much more we can conserve without drastic measures, like Cambria has done.
- \* Commercial- More Education , Rebate Incentives
- \* City - Go Brown (stop watering parks or sections of parks), replace all plumbing fixtures from low flow to ultra low flow, reduce shower times at City bathrooms, Education signage in bathrooms

# For water conservation tips visit

\* [www.morro-bay.ca.us/waterconservation](http://www.morro-bay.ca.us/waterconservation)

\* [www.saveourH<sub>2</sub>O.org](http://www.saveourH<sub>2</sub>O.org)

\* [www.wateruseitwisely.com](http://www.wateruseitwisely.com)