

Public Utilities Department

# Water Use Efficiency Update

Environment Committee  
June 21, 2018

# Water Use Efficiency Update

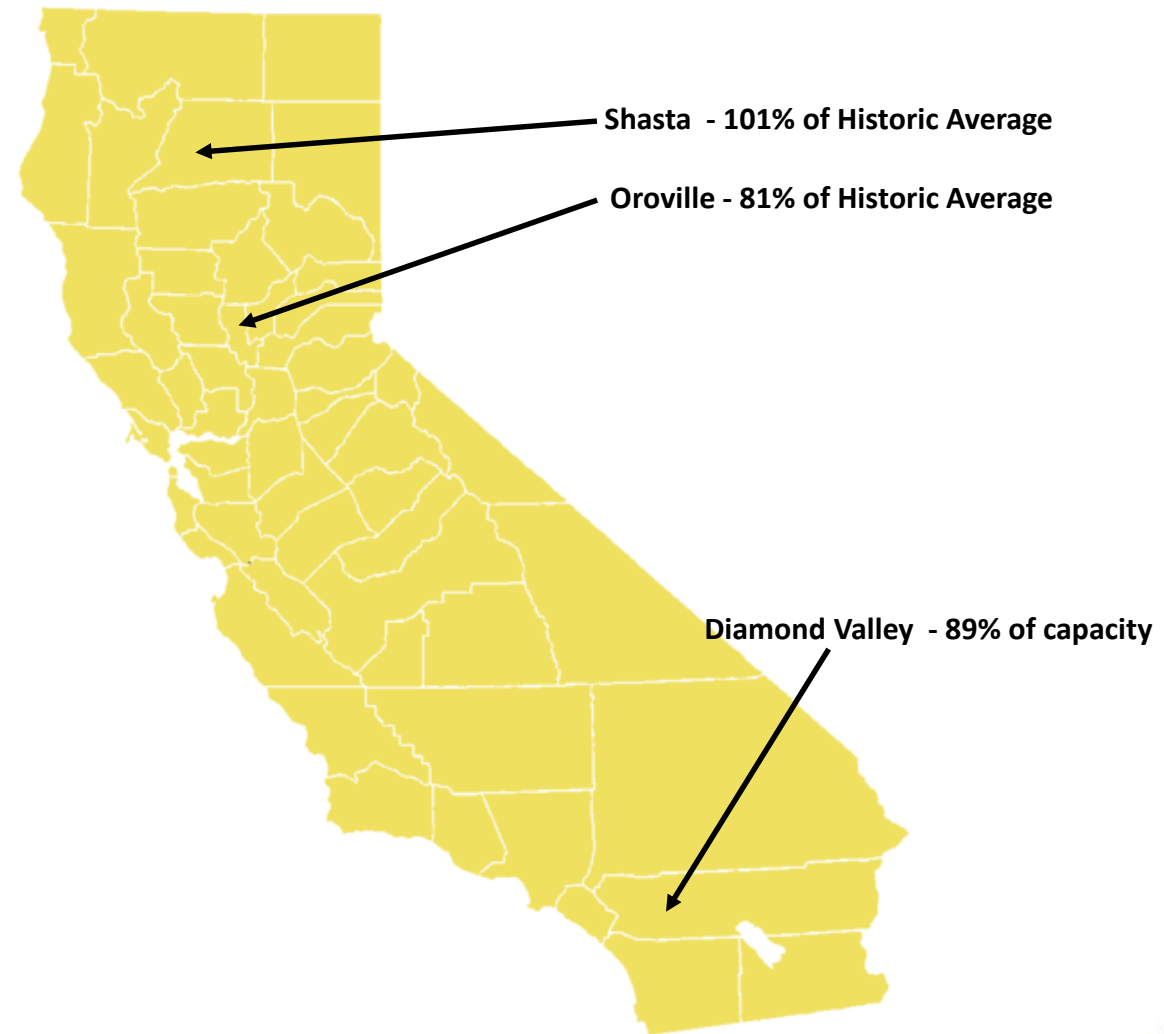
- Supply Conditions
- Water Use
- Rebate Programs
- Statewide Restrictions and Legislation
- Next Steps

## Background – Water Reservoirs

State reservoirs are at or above historical average, with the exception of Lake Oroville that is still undergoing repairs

Diamond Valley Lake is 89% full

Local reservoirs are currently on average 54% full, with space to catch runoff from upcoming rain storms



# Local Precipitation

Rainfall at San Diego Airport (inches)				
	2017-2018	2016-2017	Normal Year*	Diff from Normal Year
Oct 1 – May 31 Subtotal	3.5	7.1	6.5	-3.0
Water Year Total**	3.5	11.6	10.3	-6.8

\* Normal Year: Average precipitation in a year based on historical records

\*\* Water Year: October 1 to Sept 30 of the following year

# Local Temperature

Average Temperature at San Diego Airport (° F)				
	2017/2018	2013*	Normal Year	Diff from Normal Year
December	60.2	50.2	56.5	+3.7
January	61.5	55.8	57.1	+4.4
February	59.4	56.3	57.9	+1.5
March	60.8	60.1	59.4	+1.4
April	63.5	61.8	61.7	+1.8
May	63.6	65.9	64.1	-0.5

\* 2013 is the baseline year for State reporting

Source: NOAA

# San Diego Water Use (Acre Feet)

	2017/2018 Water Use	2013 Water Use	Percent Diff from 2013
Annual 2017	169,193	192,232	-12.0%
December 2017	14,039	13,947	+0.7%
January 2018	12,309	12,120	+1.0%
February	11,982	11,259	+6.4%
March	11,631	13,810	-15.8%
April	14,107	15,421	-8.5%

Note: 2013 GPCD calculations used 2013 population estimates from SANDAG. 2017 and 2018 GPCD calculations used 2016 population estimates.

# City Water Conservation Programs (FY 2018)

	No. of Participants
• Grass replacement	139
• Rain barrel/downspout redirect	186
• Pressure reducing valves (PRV)	66
• Grey water systems	18

FY 2018 funds remain available for rain barrels, PRV and grey water rebates



# Water Waste Enforcement

	No. of Complaints per Month	No. of Citations per Month
Average 2017	231	23
January 2018	193	12
February	176	24
March	174	27
April	261	10

## Top complaints

- Excessive irrigation that cause runoff
- Leaks not repaired within 72 hours
- Midday watering



# Statewide Water Use Restrictions

- State Board postponed decision on permanent water use restrictions at February 20, 2018 meeting
- No new date on when decision is due
- San Diego's permanent restrictions are consistent with the State proposed restrictions



# 2018 Water Conservation Bills

## SB 606 and AB 1668

- Signed into law by Gov. Brown on May 31, 2018
- Per person **indoor** water use goal GPCD
  - 55.0 GPCD from 2022 until 2025
  - 52.5 GPCD from 2025 to 2030
  - 50.0 GPCD beginning in 2030
- City's 2017 residential water usage for **both indoor and outdoor** was 60.3 GPCD
  - Highest was 72.1 GPCD in July
  - Lowest was 42.5 GPCD in January

# 2018 Water Conservation Bills (Cont'd)

## SB 606 and AB 1668

- Outdoor water use goal will be determined using GIS measurement of total irrigable landscapes
- Implementation and oversight in place by 2022
- Create incentives for water suppliers to recycle water
- Require both urban and agricultural water suppliers to set annual water budgets and prepare for drought

# Next Steps

- Continue to promote water conservation, enforce water use restrictions and monitor water usage
- Apply for grants to support existing rebate programs and develop new programs
- Monitor the development of annual water budgets
- For updated information on programs and services, visit [www.WasteNoWater.org](http://www.WasteNoWater.org)