

# **Emergency Water Conservation Regulation Update**

**Office of Research, Planning, and Performance**

June 7, 2016



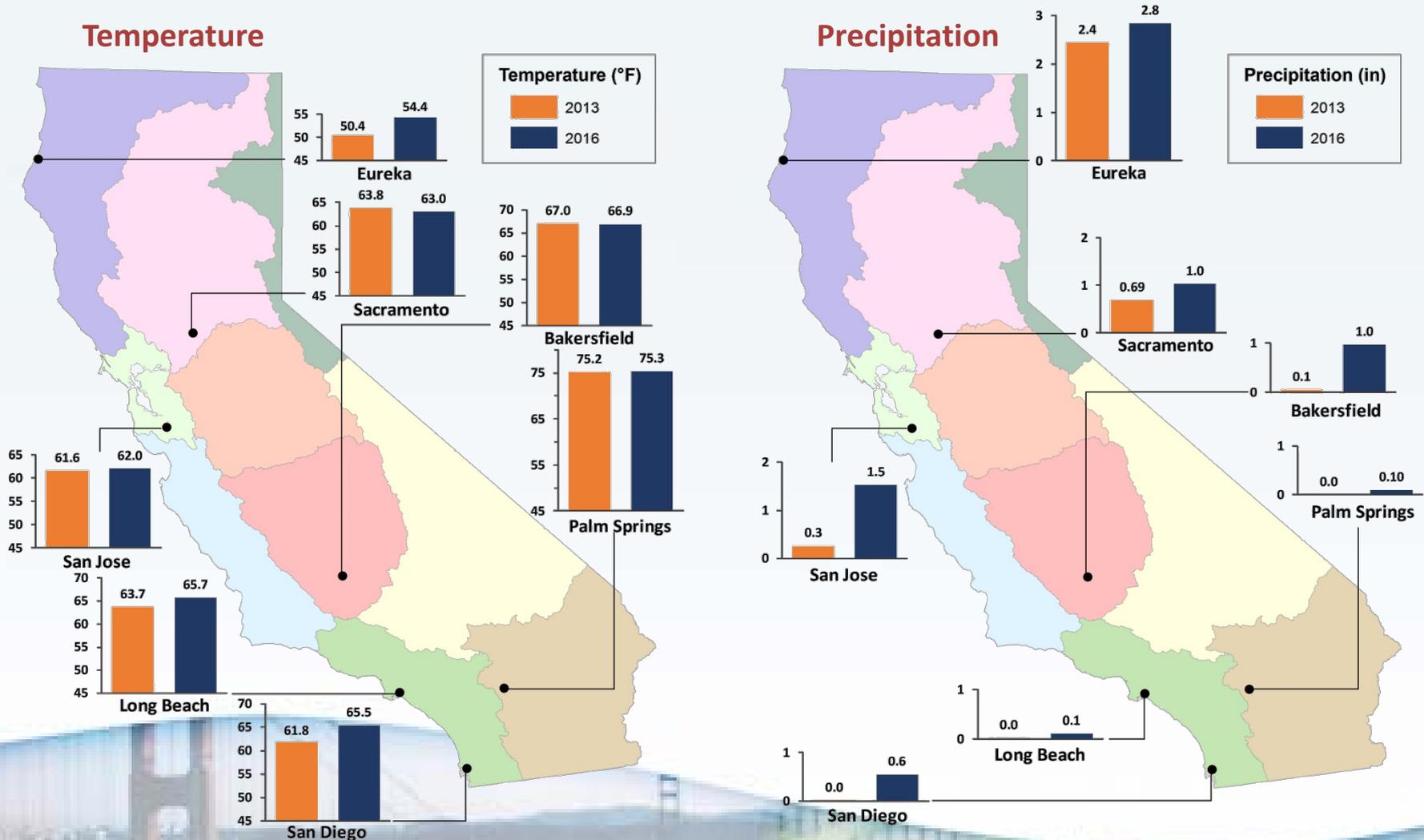
# Status of Implementation

- Water production data collected from June 2014 through April 2016 (23 months)
- Eleventh month with statewide urban water conservation requirements
- Adjusted conservation standards took effect March 1<sup>st</sup>
- Water Board enforcement actions taken based on June 2015 – April 2016 cumulative supplier compliance



# April Weather Conditions

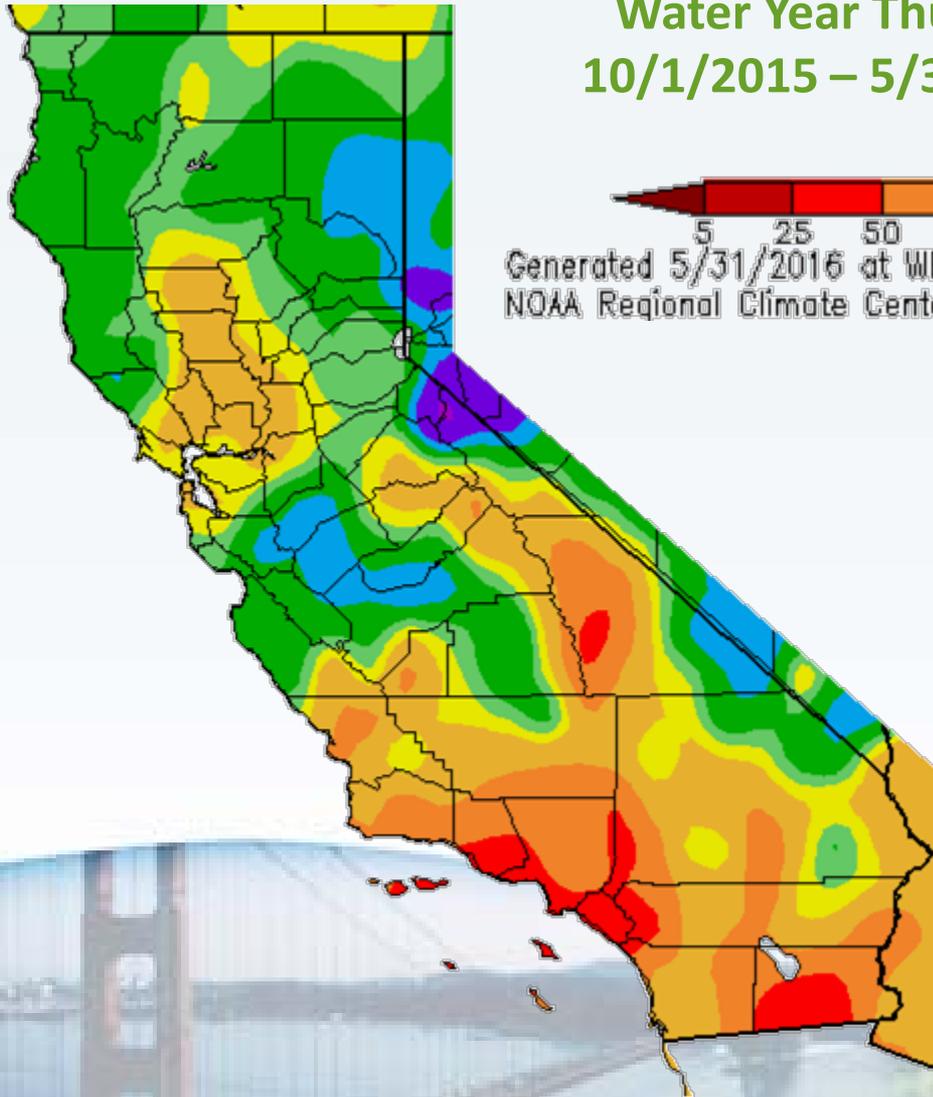
## (Select Cities)



**Statewide, April 2016 slightly cooler and notably wetter than April 2013**

# Percent of Average Precipitation

Water Year Thus Far:  
10/1/2015 – 5/30/2016



Generated 5/31/2016 at WRCC using provisional data.  
NOAA Regional Climate Centers

# Snow Water Equivalents

(Inches, as of June 1, 2016)



## Statewide Summary

Number of Stations Reporting	96
Average Snow Water Equivalent (in)	2.0
Percent of April 1 Average (%)	7
Percent of Normal for this Date	23

% April 1<sup>st</sup> Average /  
% Average for This Date

# Reservoir Storage

(As of June 1, 2016)

Reservoir	Capacity Thousand Acre-Feet (TAF)	% Capacity	% Historic Average
Shasta	4,552	92	107
Oroville	3,538	93	111
Trinity Lake	2,448	57	66
New Melones	2,420	26	41
San Luis	2,039	33	42
Don Pedro	2,030	76	99
McClure (Exchequer)	1,024	57	83
Pine Flat	1,000	63	87
Folsom	977	85	101
Bullards Bar	966	93	108

100%

100%

# U.S. Drought Monitor California

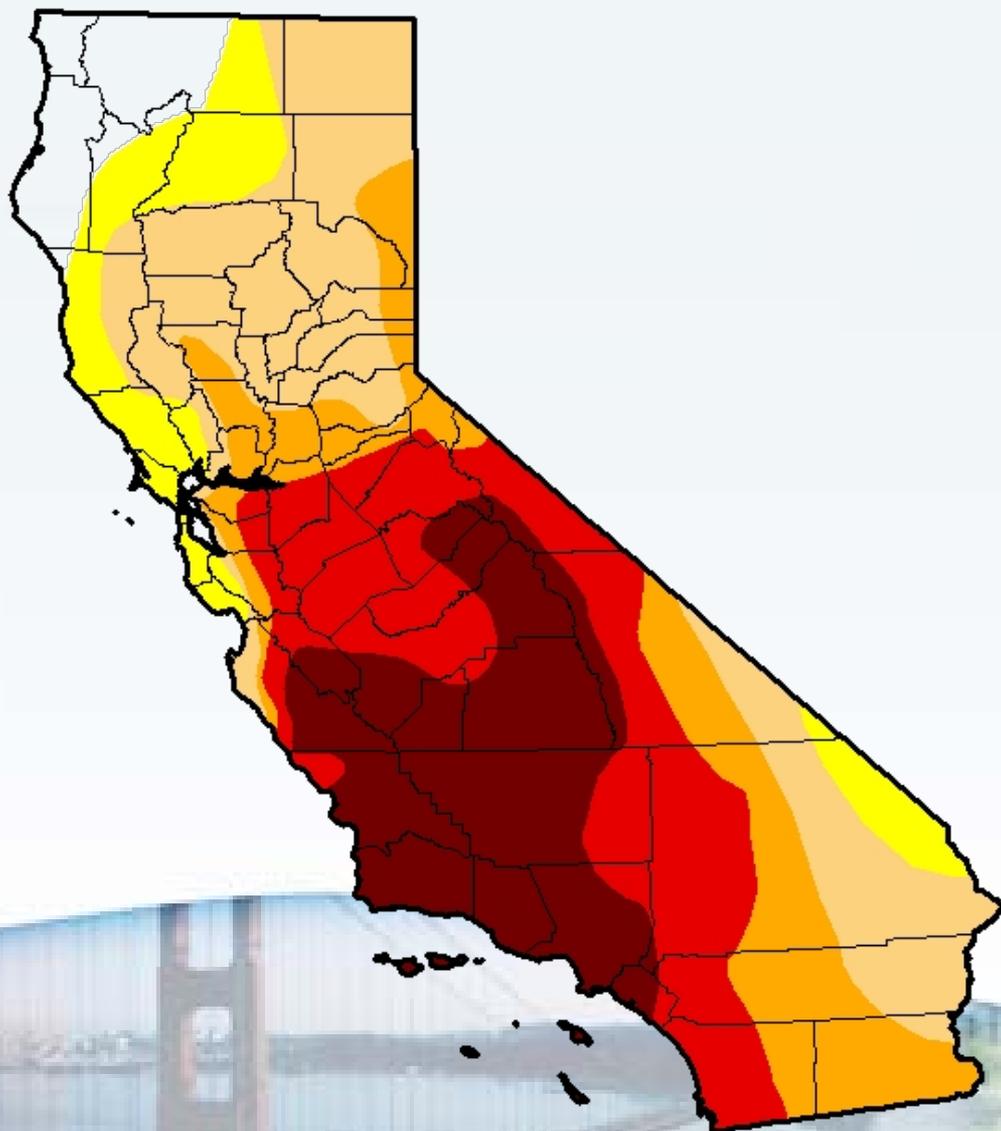
## May 31, 2016

(Released Thursday, Jun. 2, 2016)

Valid 8 a.m. EDT

*Drought Conditions (Percent Area)*

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
<b>Current</b>	6.08	93.92	83.91	59.02	42.99	21.04
<b>Last Week</b> <i>5/24/2016</i>	5.50	94.50	86.39	61.00	42.99	21.04
<b>3 Months Ago</b> <i>3/1/2016</i>	0.43	99.57	95.13	82.66	60.86	38.48
<b>Start of Calendar Year</b> <i>12/29/2015</i>	0.00	100.00	97.33	87.55	69.07	44.84
<b>Start of Water Year</b> <i>9/29/2015</i>	0.14	99.86	97.33	92.36	71.08	46.00
<b>One Year Ago</b> <i>6/2/2015</i>	0.14	99.86	98.71	93.91	69.61	46.73



Intensity:

- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

*The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.*

**Author:**

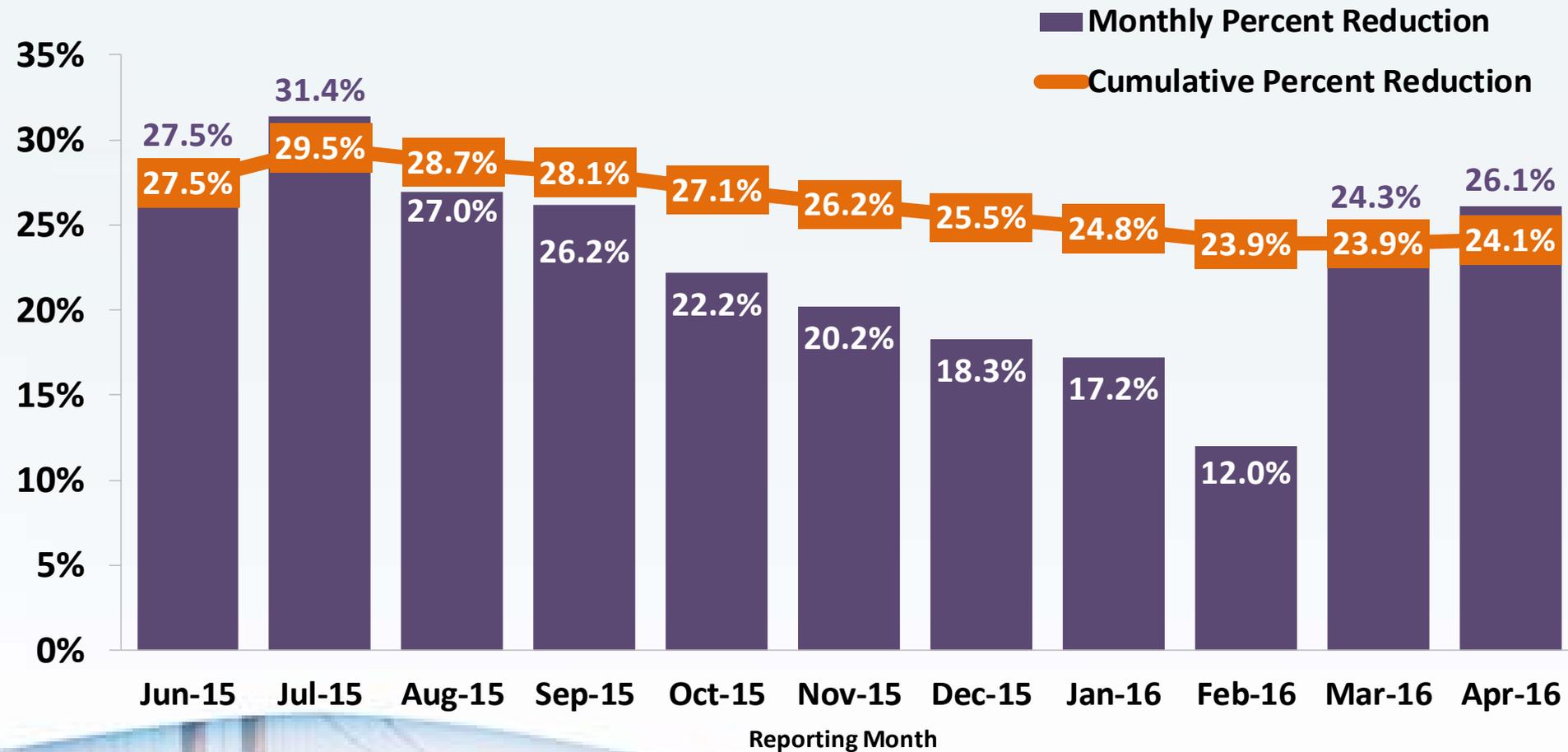
Mark Svoboda

National Drought Mitigation Center



# Statewide Water Production Percent Reduction

(Compared to 2013)



**April 2016 savings (43.7 billion gallons or 134,171 acre-feet) increase statewide 11-month cumulative savings to 24.1 percent**

# Statewide Cumulative Savings

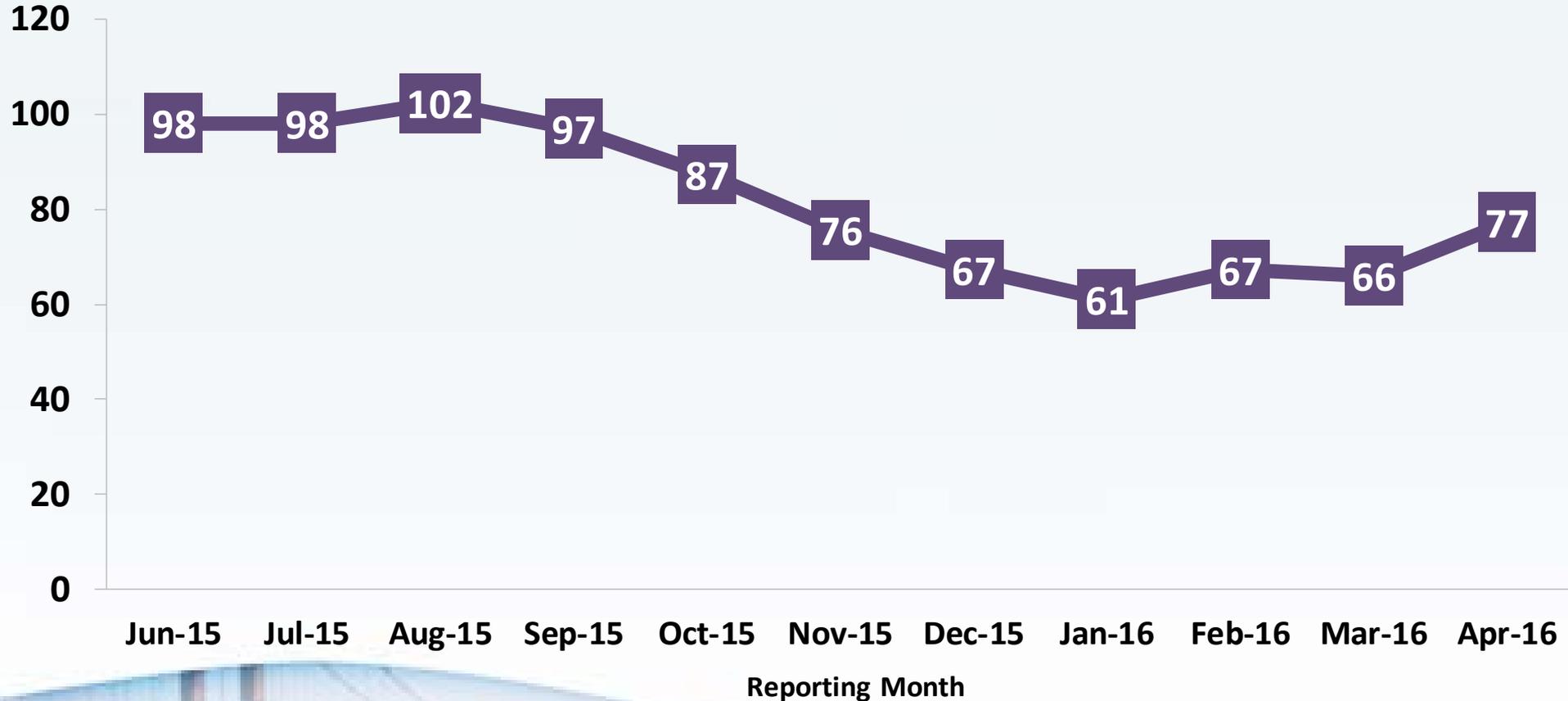
(June 2015 – April 2016)

- 1,431,101 acre-feet  
(466.3 billion gallons)  
of water saved
- Savings is enough to provide  
7.2 million Californians  
(18% of state population)  
with water for one year



# Statewide Monthly Average Residential Gallons per Capita per Day

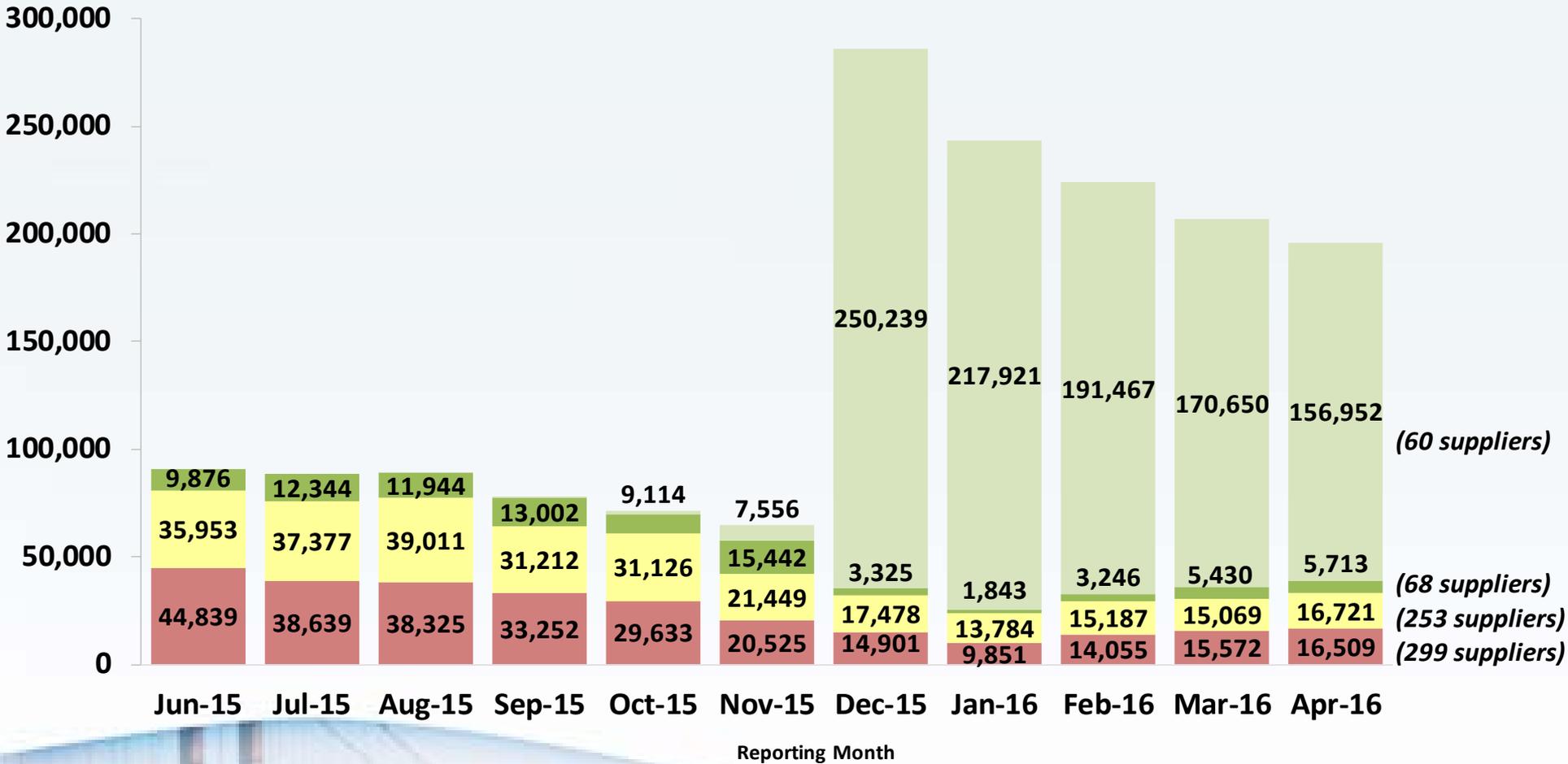
(June 2015 – April 2016)



**Average Statewide April 2016 R-GPCD = 77**

# Supplier Enforcement Actions Taken

(June 2015 – April 2016)



Complaints Received

Warnings Issued

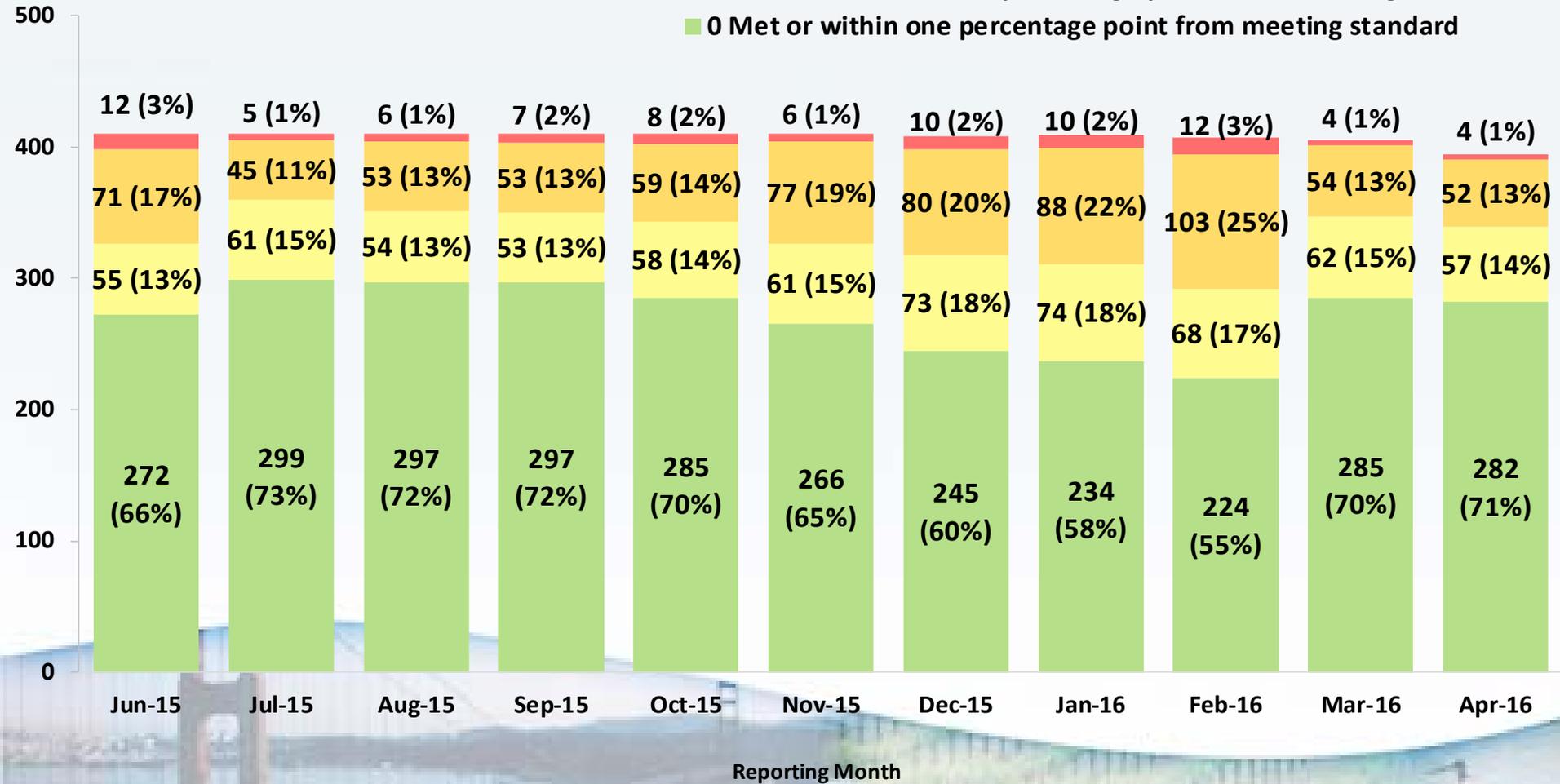
Other Penalties Assessed

Rate Penalties Assessed

# Suppliers Reporting by Compliance Priorities

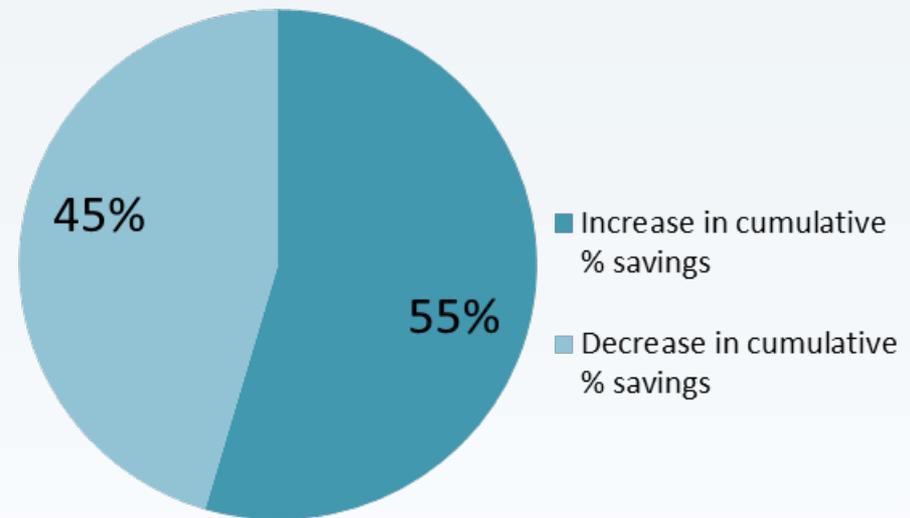
(June 2015 – April 2016)

- 1 Greater than 15 percentage points from meeting standard
- 2 Between five and 15 percentage points from meeting standard
- 3 Between one and five percentage points from meeting standard
- 0 Met or within one percentage point from meeting standard



# Performance for Suppliers with Conservation Orders (11)

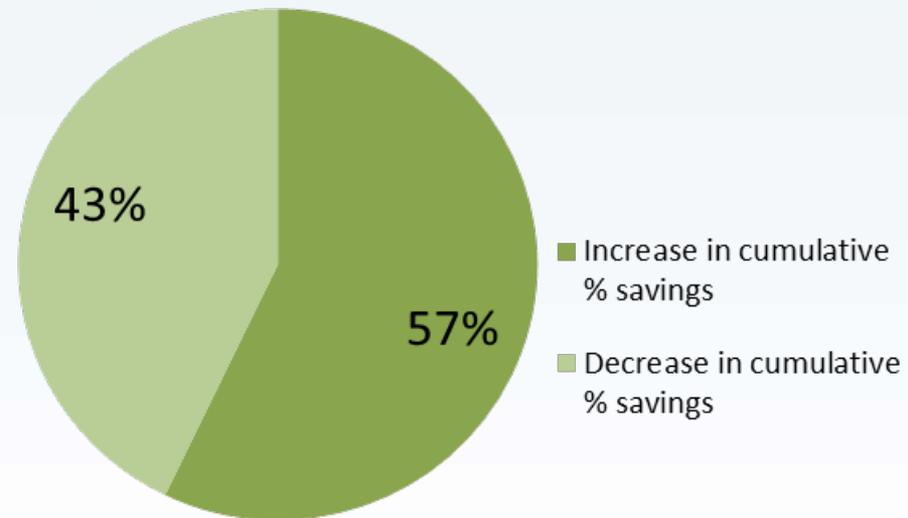
- **One supplier is meeting its new conservation standard**
- 6 out of 11 suppliers show upward trends for cumulative % savings
- Missing cumulative % and volumes by
  - Between 2 and 18%
  - Between 22 and 270 million gallons
- Improved significantly since February



# Performance for Suppliers with Alternative Compliance Orders (7)

- **All suppliers meeting directives of their orders**
- 3 suppliers are meeting new conservation standards
- 4 out of 7 suppliers show upward trends for cumulative % savings

- Need for Orders moving forward will be evaluated on a case-by-case basis



# Administrative Civil Liability Complaints (4)

- One administrative civil liability paid (Beverly Hills)
- For the other three, settlement agreements include Supplemental Environmental Projects
- Stipulated Orders now in effect for
  - Indio Water Authority
  - Coachella Valley Water District
- Settlement agreement with the City of Redlands to be posted for public comment this week



# Next Steps

- Board adopted adjusted and extended emergency regulation through January 2017
- Conservation standards based on self-certification of supply effective June 1<sup>st</sup>
  - Water wholesaler information June 15<sup>th</sup>
  - Retail water suppliers June 22<sup>nd</sup>



**Save Our Water  
and Our Trees!**

[saveourwater.com/trees](http://saveourwater.com/trees)