

# **Emergency Water Conservation Regulation Update**

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

April 5, 2016



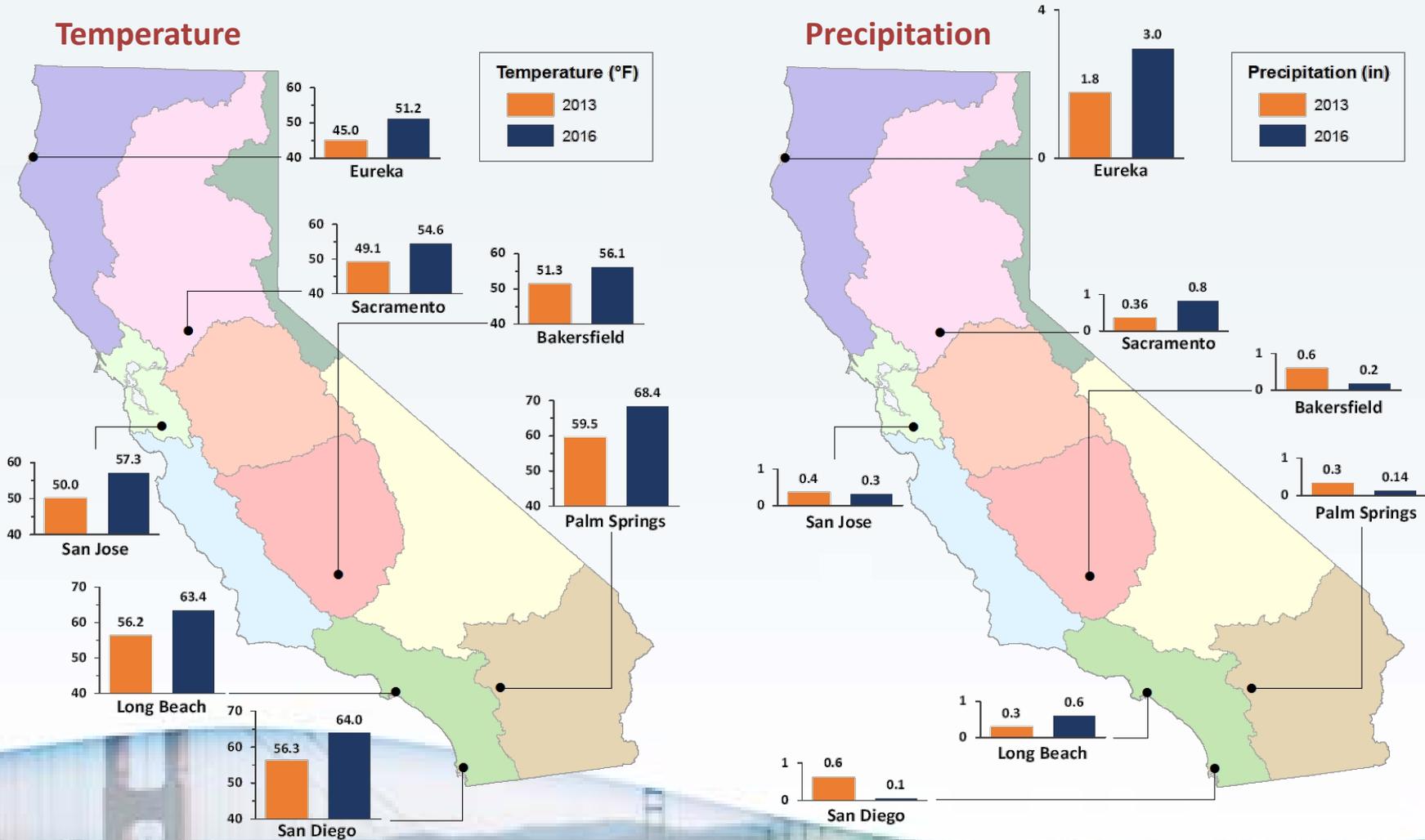
# Status of Implementation

- Water production numbers collected from June 2014 through February 2016 (21 months)
- Ninth month with statewide goal to cumulatively reduce total potable urban water use by 25 percent
- 399 (of 410) suppliers submitted February reports
- Water Board enforcement actions taken based on June 2015 – February 2016 cumulative supplier compliance



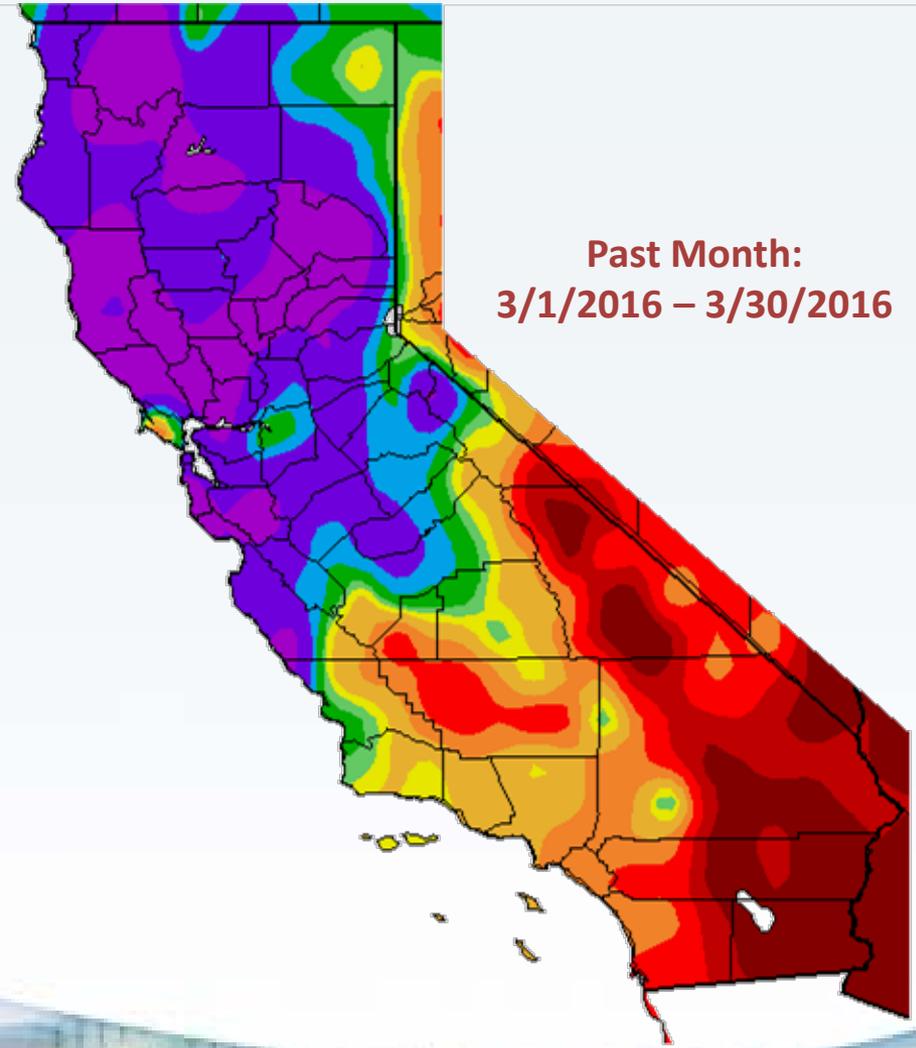
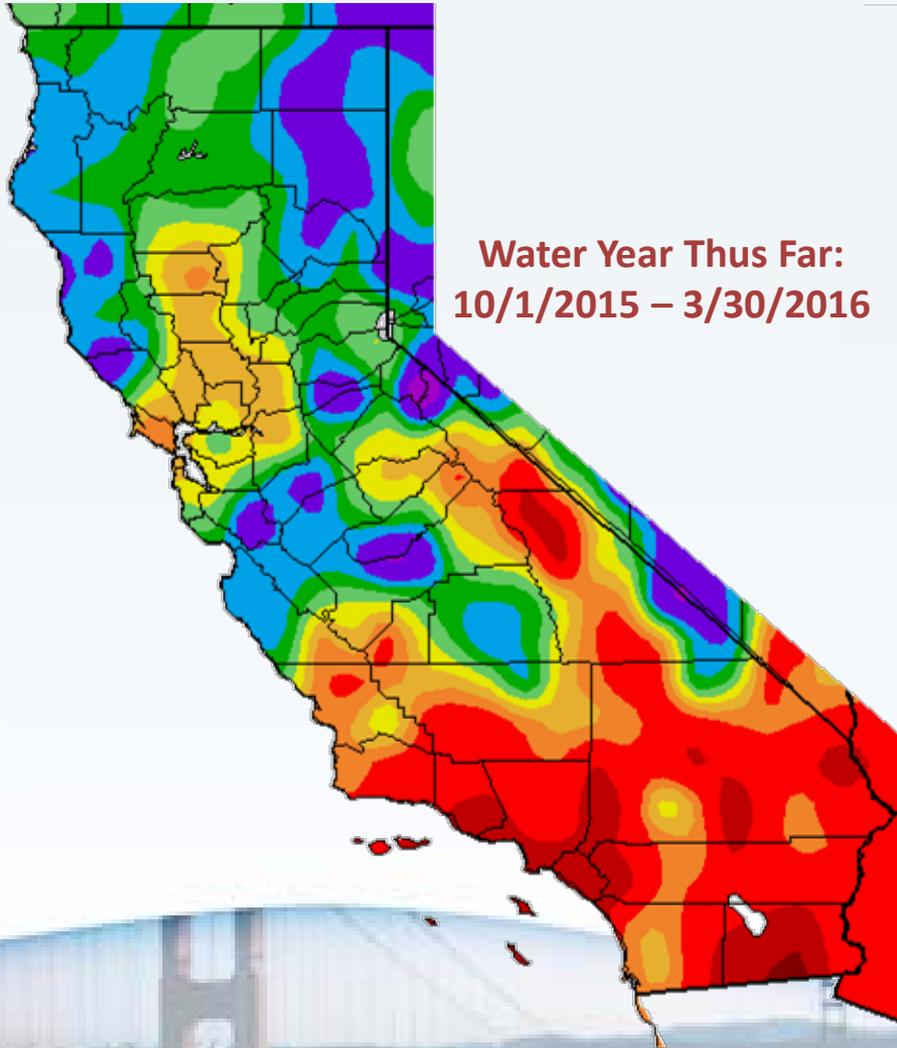
# February Weather Conditions

## (Select Cities)



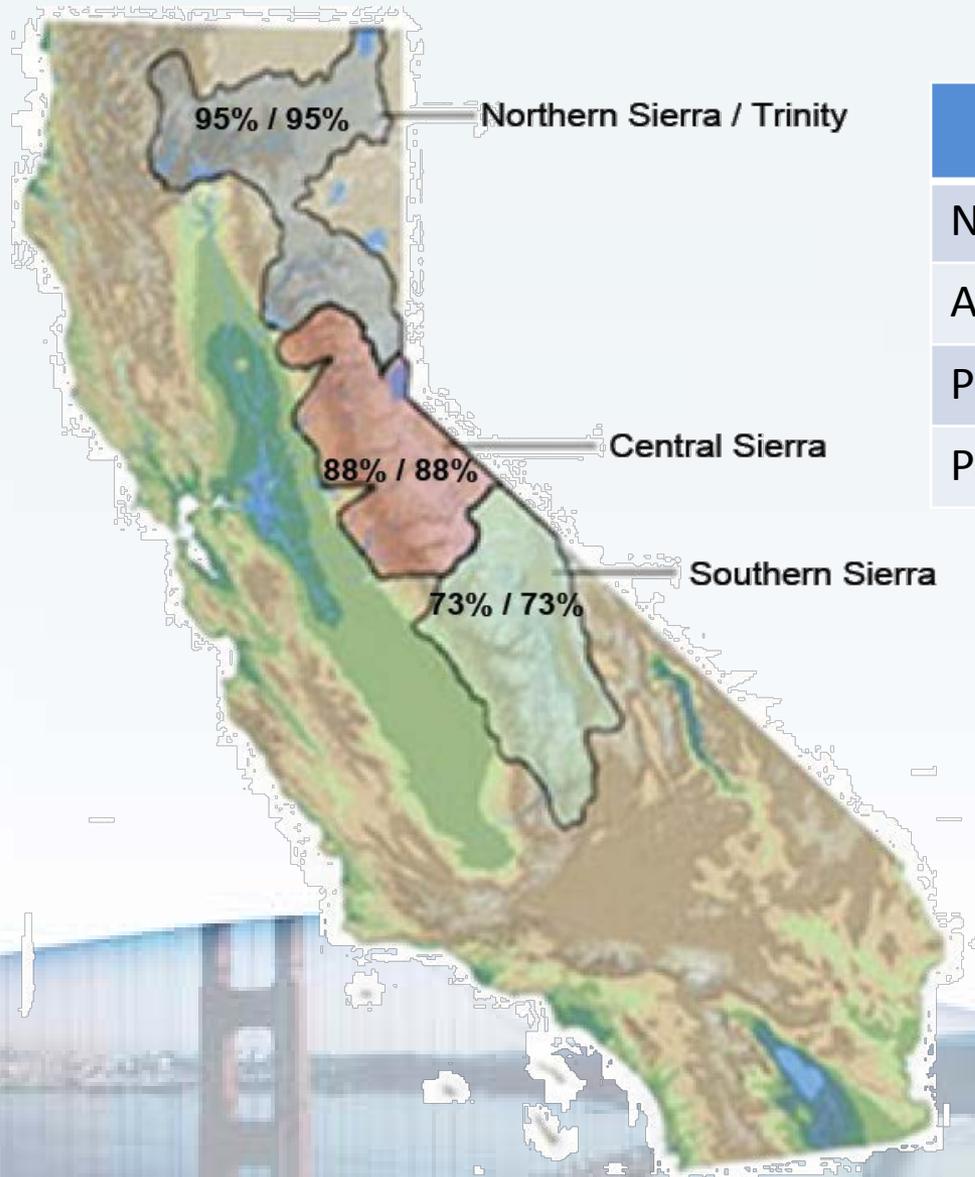
**Statewide, February 2016 was hotter and wetter than February 2013**

# Percent of Average Precipitation



# Snow Water Equivalents

(Inches, as of March 29, 2016)

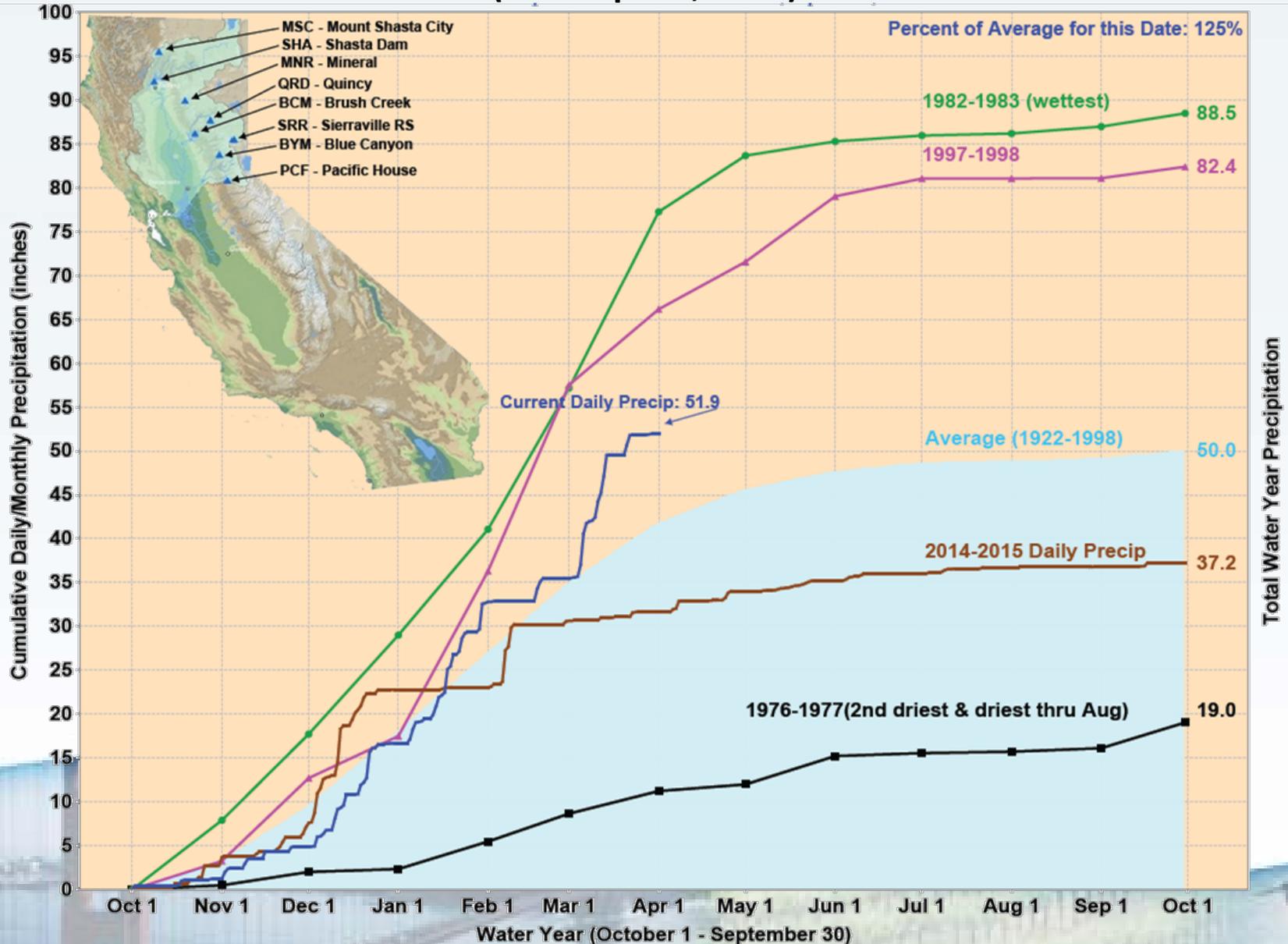


## Statewide Summary

Number of Stations Reporting	94
Average Snow Water Equivalent (in)	24.2
Percent of April 1 Average (%)	86
Percent of Normal for this Date	86

# Northern Sierra Precipitation: 8 Station Index

(As of April 1, 2016)



# Reservoir Storage

(As of March 31, 2016)

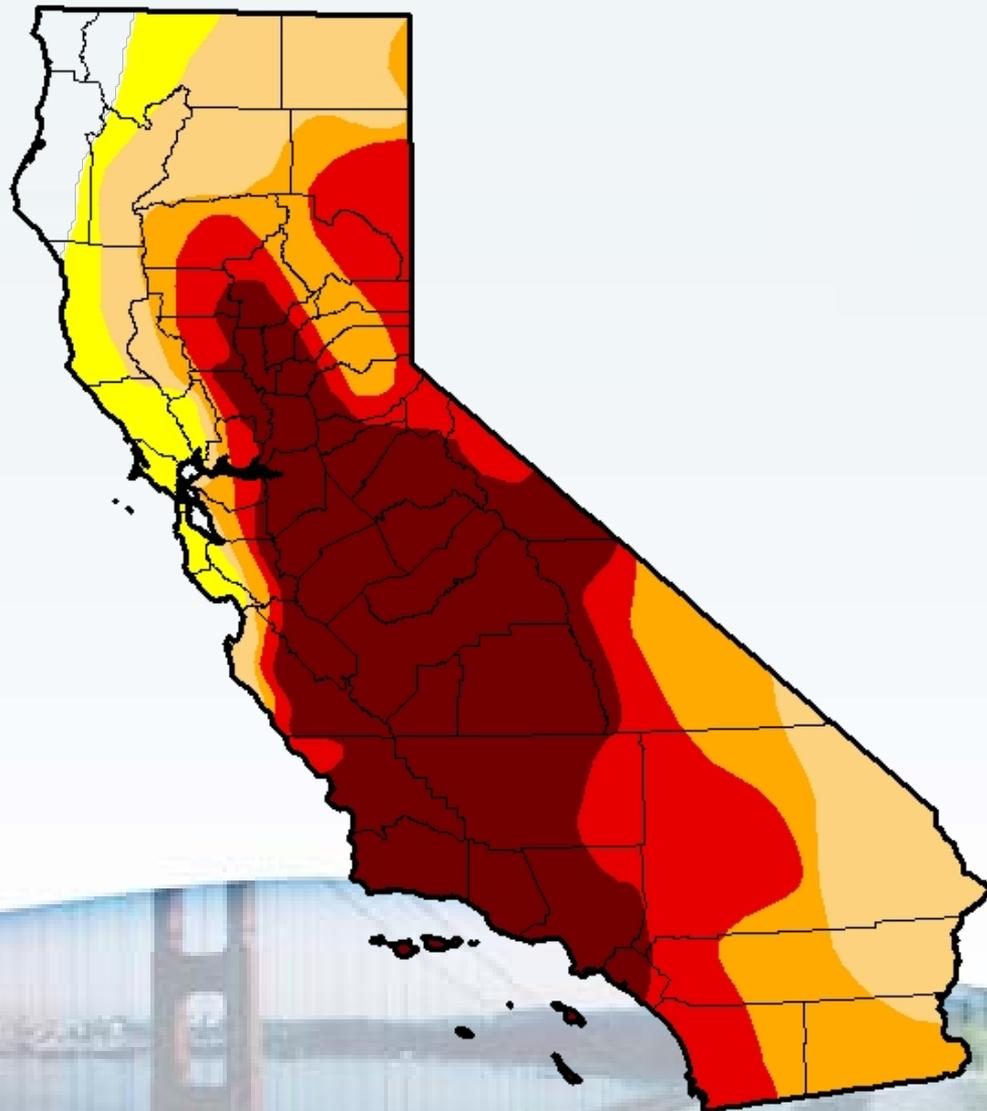
Reservoir	Capacity Thousand Acre-Feet (TAF)	% Capacity	% Historic Average
Shasta	4,552	88	109
Oroville	3,538	86	114
Trinity Lake	2,448	52	66
New Melones	2,420	26	41
San Luis	2,039	52	57
Don Pedro	2,030	60	82
McClure (Exchequer)	1,024	33	60
Pine Flat	1,000	39	69
Folsom	977	71	110
Bullards Bar	966	84	116

100%

100%

# U.S. Drought Monitor California

**March 29, 2016**  
(Released Thursday, Mar. 31, 2016)  
Valid 8 a.m. EDT



*Drought Conditions (Percent Area)*

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
<b>Current</b>	3.55	96.45	90.58	72.82	55.25	34.74
<b>Last Week</b> <i>3/22/2016</i>	1.16	98.84	91.55	72.86	55.31	34.74
<b>3 Months Ago</b> <i>12/29/2015</i>	0.00	100.00	97.33	87.55	69.07	44.84
<b>Start of Calendar Year</b> <i>1/2/2016</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>3/31/2015</i>	0.15	99.85	98.11	93.44	66.60	41.41

Intensity:



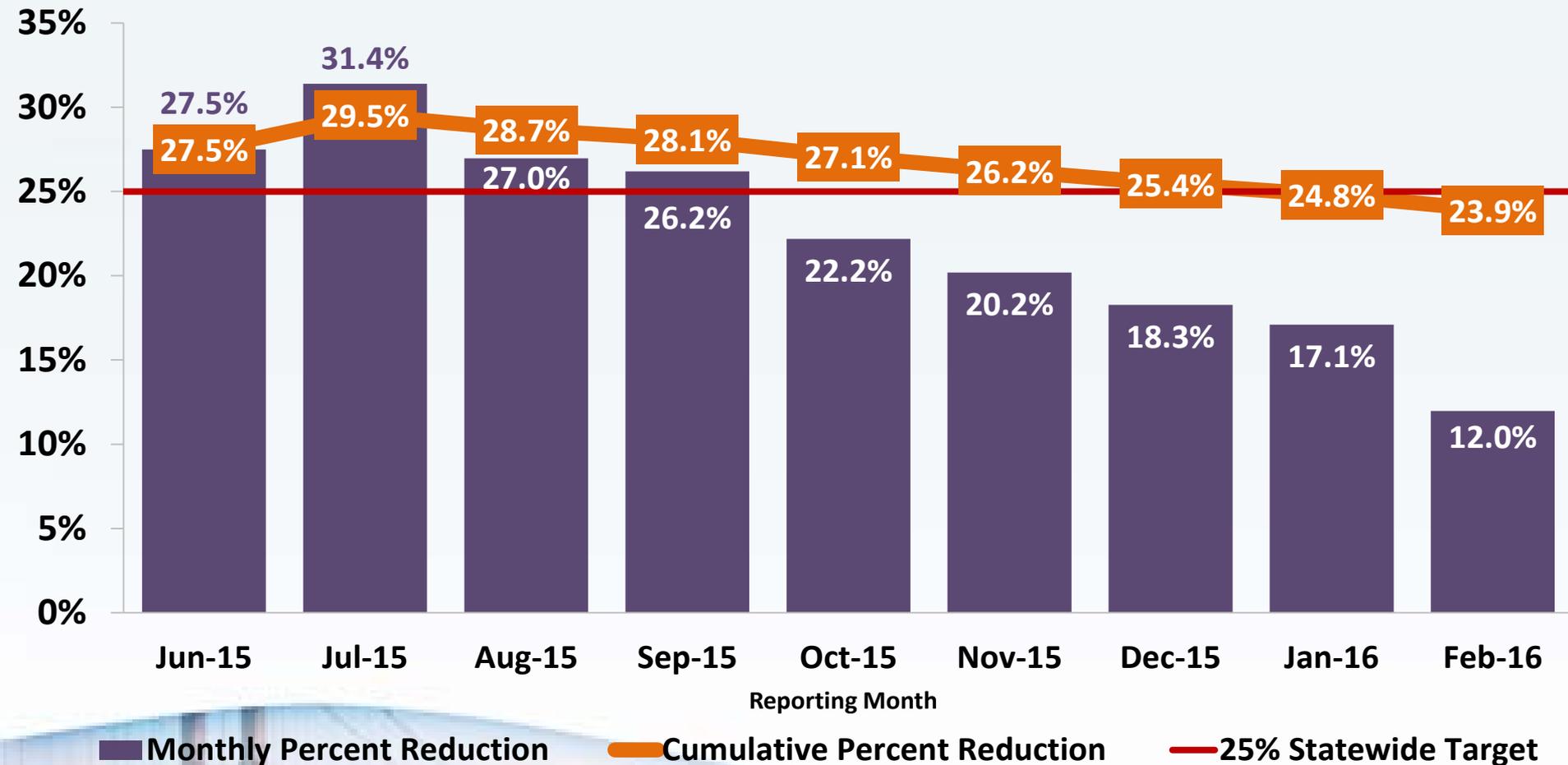
*The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.*

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U.S. Department of Agriculture



# Statewide Water Production Percent Reduction

(Compared to 2013)

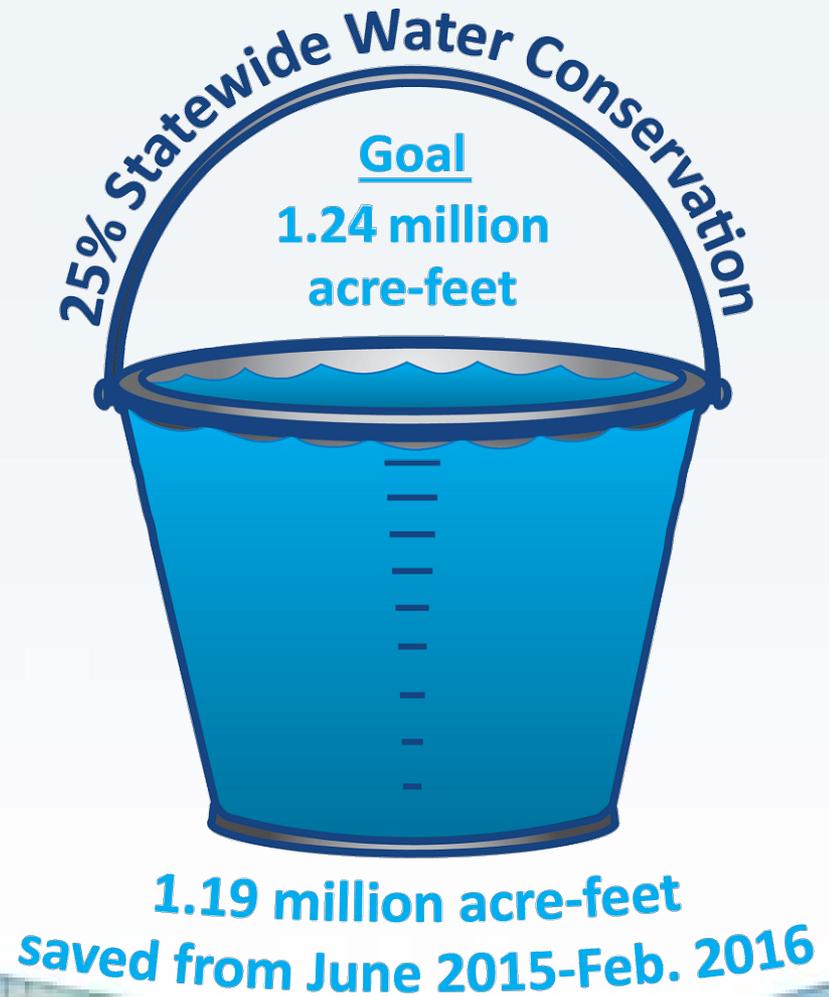


**February 2016 savings (13.6 billion gallons or 41,591 acre-feet) brings statewide 9-month cumulative savings to 23.9 percent**

# Statewide Cumulative Savings

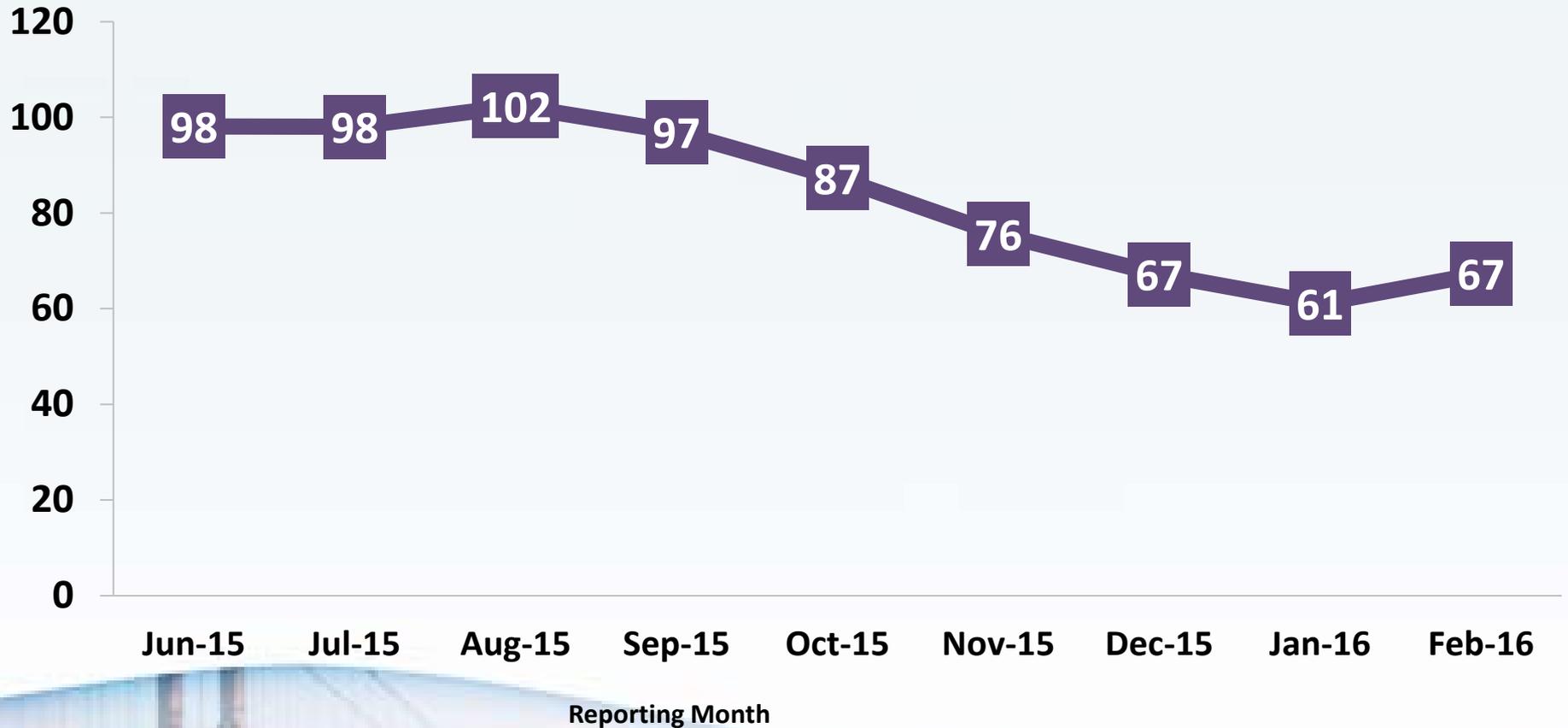
(June 2015 – February 2016)

- 1,186,966 acre-feet (386.8 billion gallons) of water saved
- This is 96% of savings goal
- Savings is enough to provide 5.9 million Californians (15% of state population) with water for one year



# Statewide Monthly Average Residential Gallons per Capita per Day

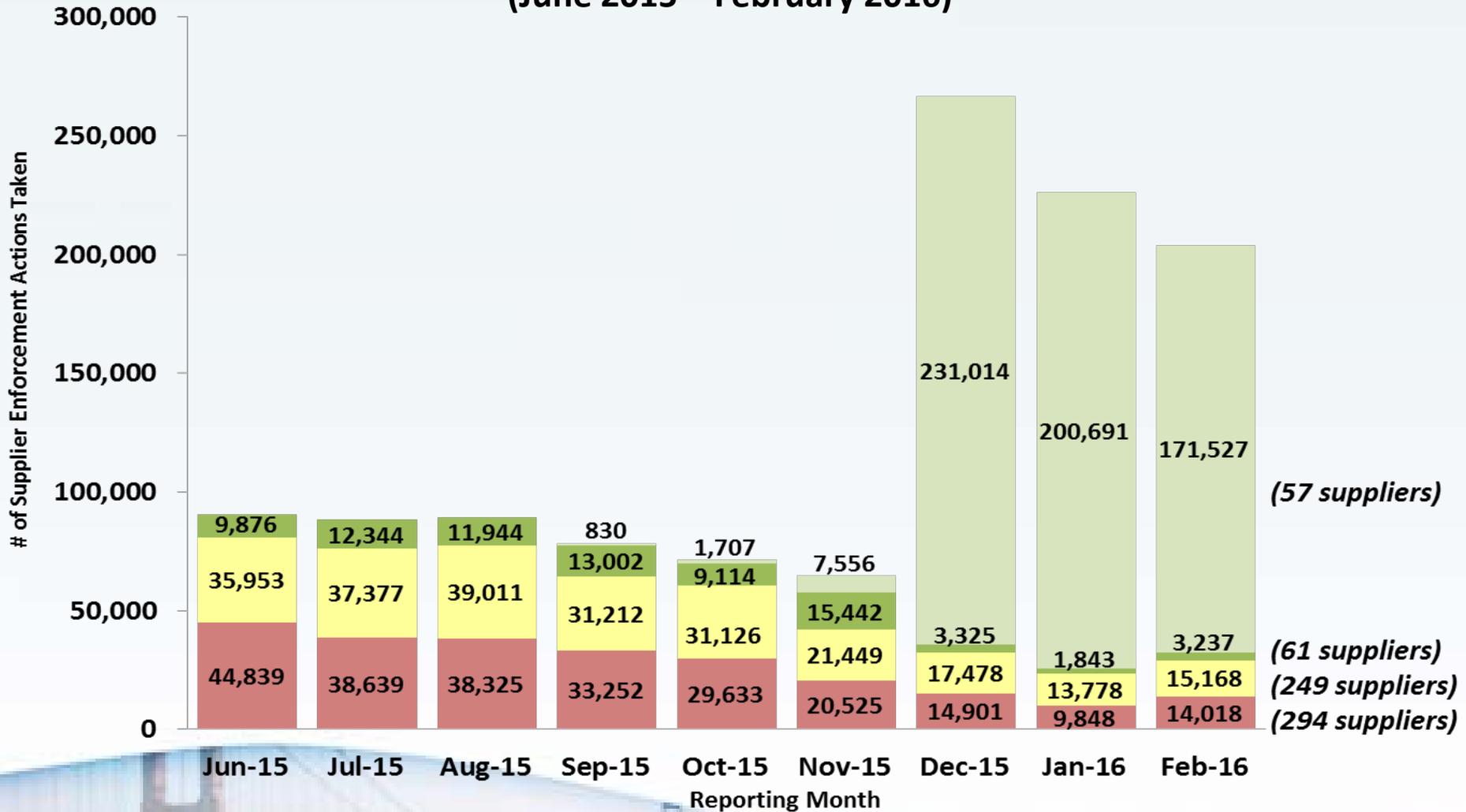
(June 2015 – February 2016)



**Average Statewide February 2016 R-GPCD = 67**

# Supplier Enforcement Actions Taken

(June 2015 – February 2016)



Complaints Received

Warnings Issued

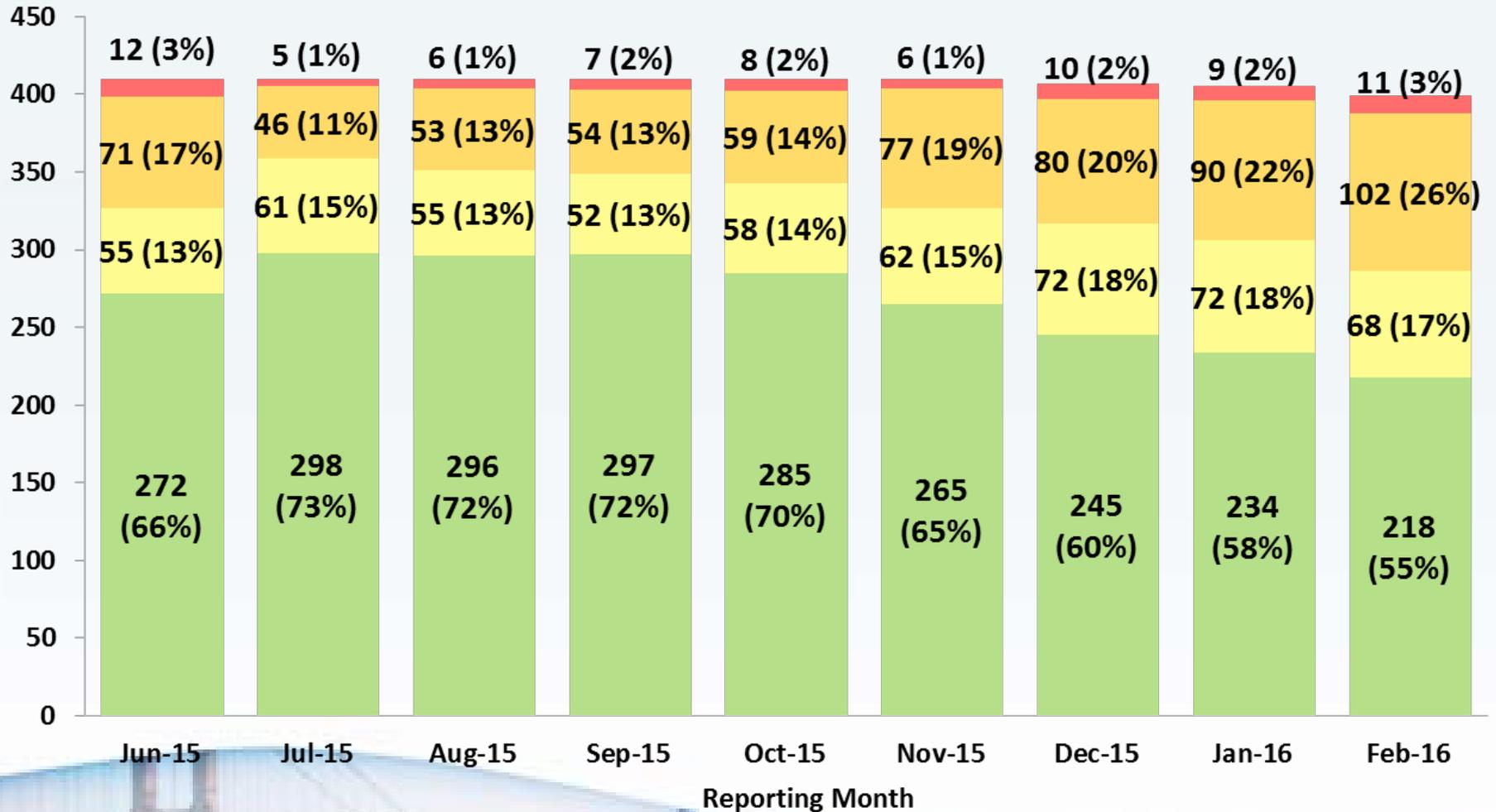
Other Penalties Assessed

Rate Penalties Assessed

(61 suppliers)  
(249 suppliers)  
(294 suppliers)

# Suppliers Reporting by Compliance Priorities

(June 2015 – February 2016)



1 Greater than 15 percentage points from meeting standard

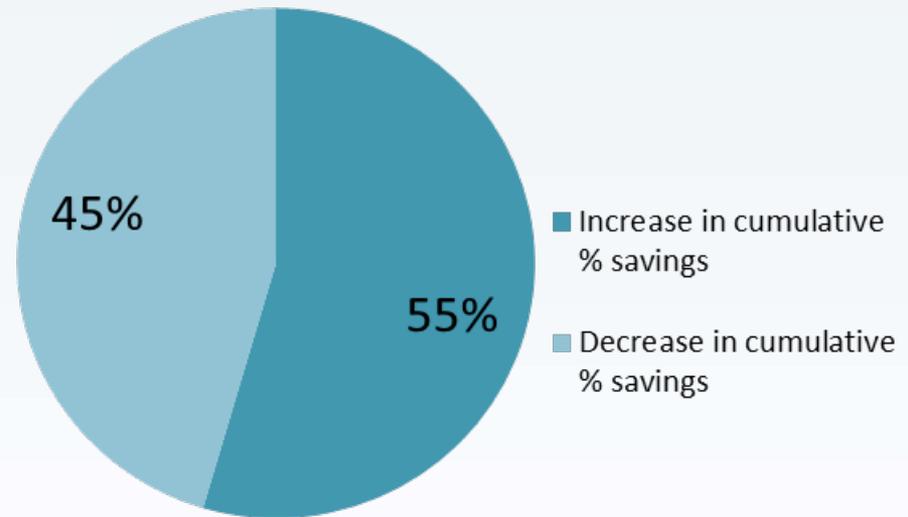
2 Between five and 15 percentage points from meeting standard

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)

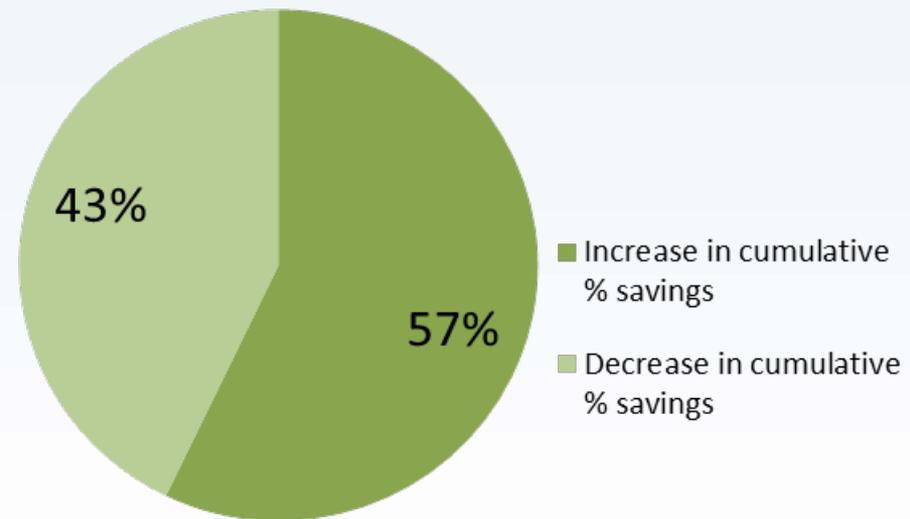
- Order for Rainbow MWD has been rescinded
- 6 out of 11 suppliers show upward trends for cumulative % savings
- Missing cumulative % and volumes by
  - Between 4 and 29%
  - Between 47 and 472 million gallons



# Performance for Suppliers with Alternative Compliance Orders (7)

- **All suppliers meeting items of their orders**
- 2 suppliers are meeting targets
- 4 out of 7 suppliers show upward trends for cumulative % savings

- Progress will continue to be tracked moving forward



# February 2016 Emergency Regulation

- Adjusted conservation standards take effect March 1<sup>st</sup>
- Created conservation standard adjustments to consider:
  - Climate differences throughout the state
  - Urban growth
  - Investments in new, local, drought-resilient sources of water supply
- Conservation standard adjustment data were due to State Water Board by March 15<sup>th</sup>
- Revised conservation standards released later this week



# Next Steps

- Staff continue to track drought conditions and will report to the Board in May
- Staff are working on concepts for next steps
  - 20<sup>th</sup> April public workshop
  - 17<sup>th</sup> May Board hearing
  - 3<sup>rd</sup> May public update on long-term framework for urban water resilience

