

# Emergency Conservation Regulation Update

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Office of Research, Planning, and Performance

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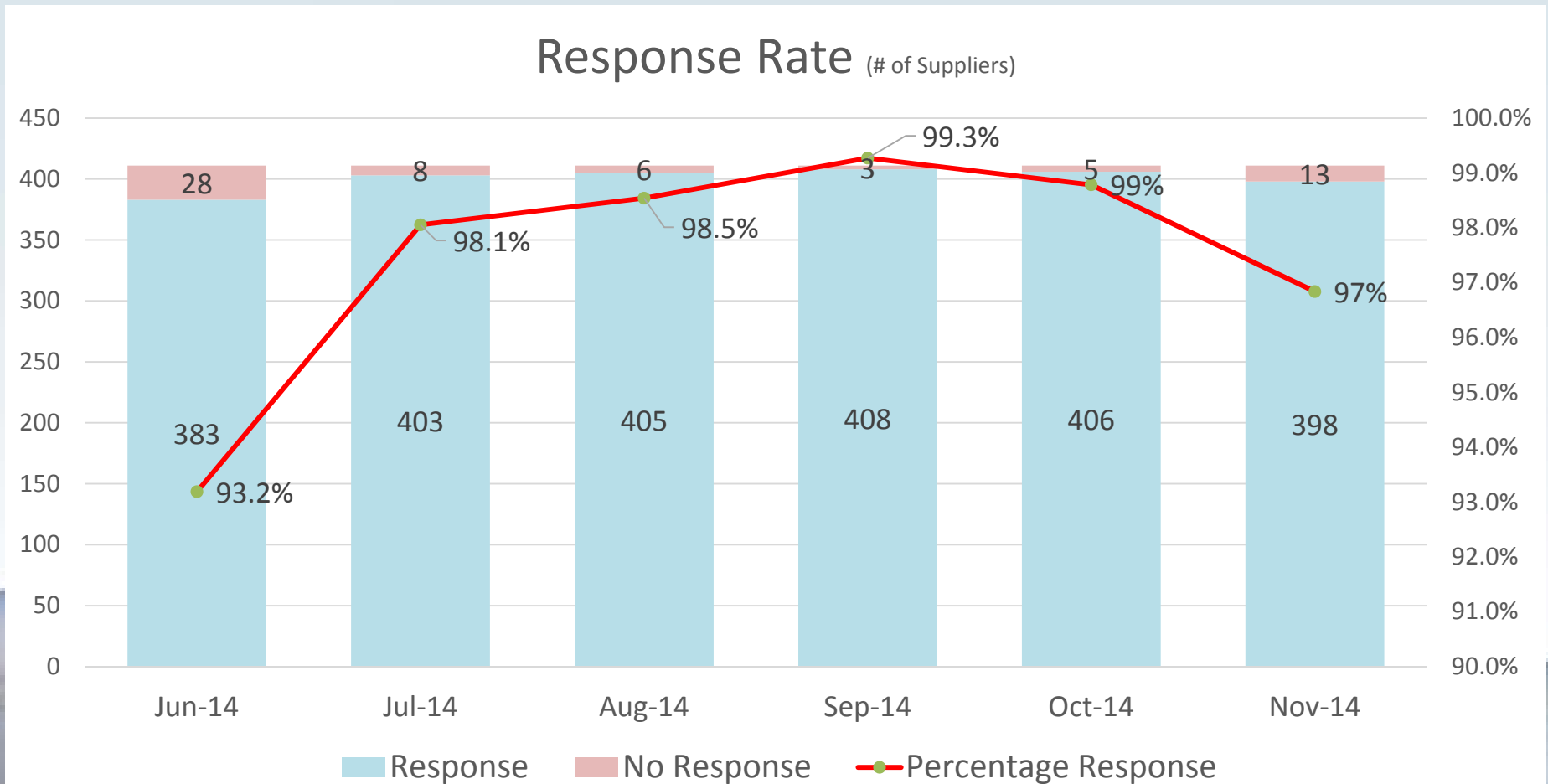
# Status of Implementation

- Water production data collected from June through November (6 months)
- Compliance action and assistance underway
- Emergency regulation will expire in April 2015



# Data Collection

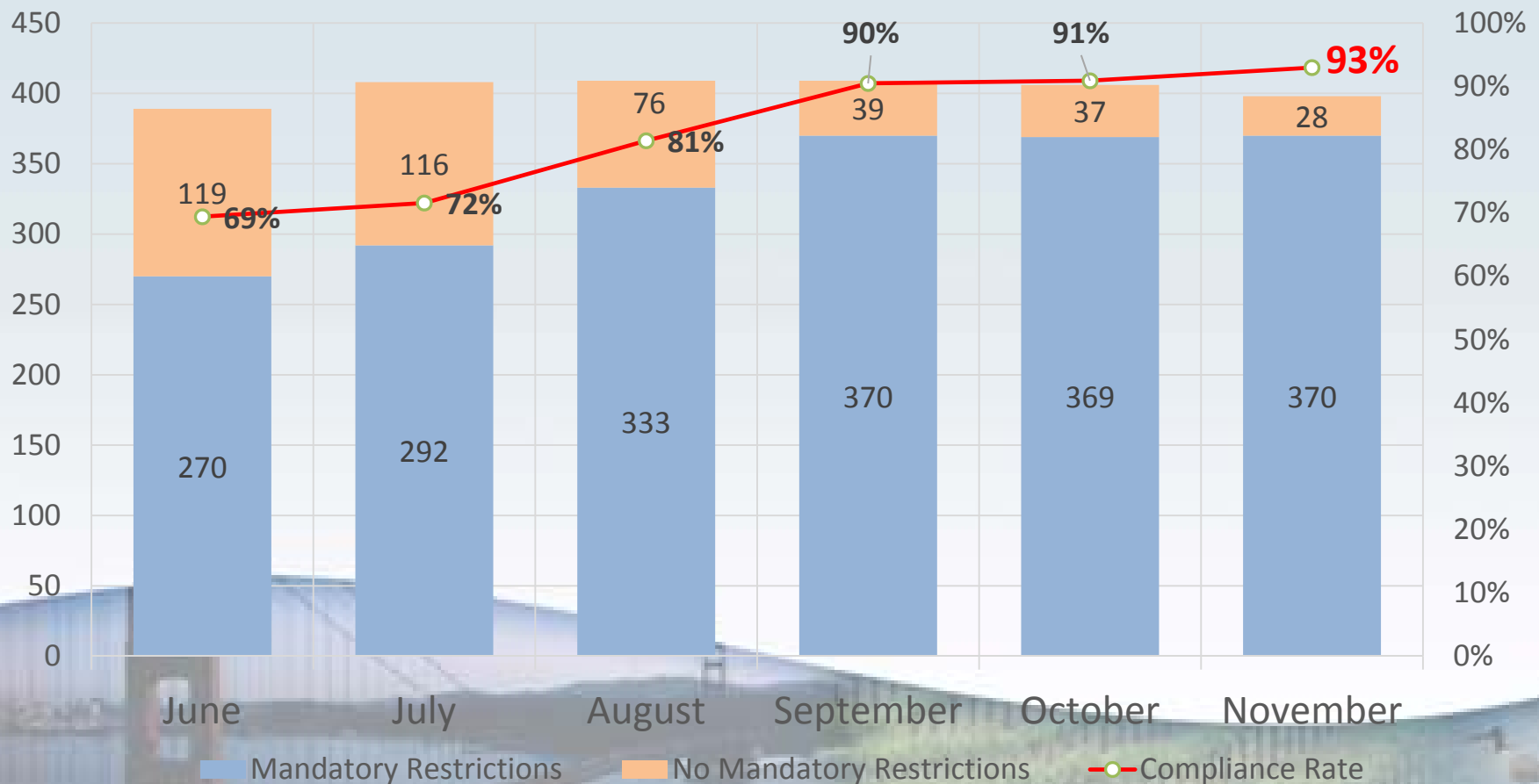
- 411 Retail Urban Water Suppliers
- 398 provided November production numbers



# Mandatory Restrictions on Outdoor Water Use

- Over 90% now implementing mandatory restrictions

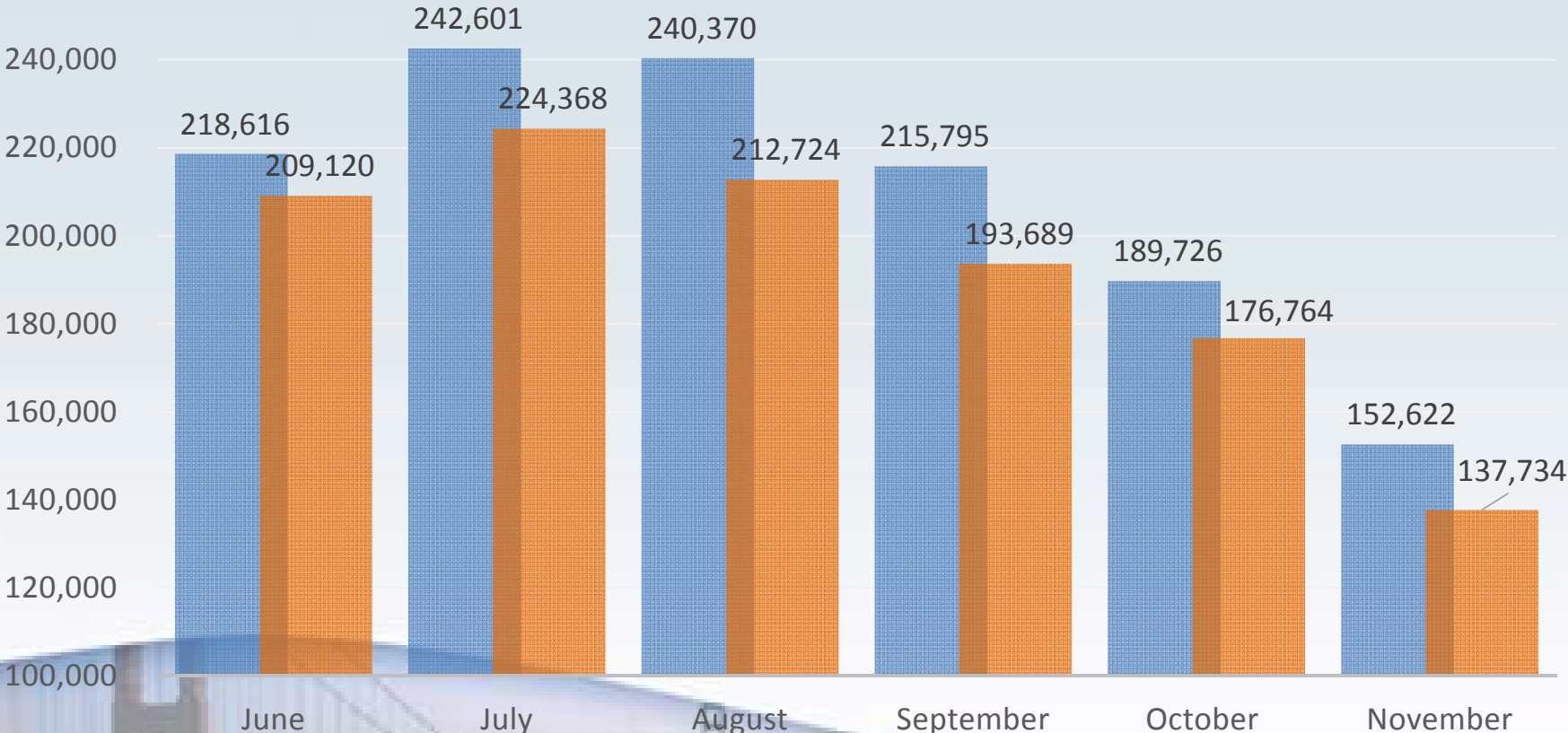
Water Suppliers Implementing Mandatory Restrictions



# Statewide Water Conservation Results

Water Production June-November (Million Gallons)

2013 2014

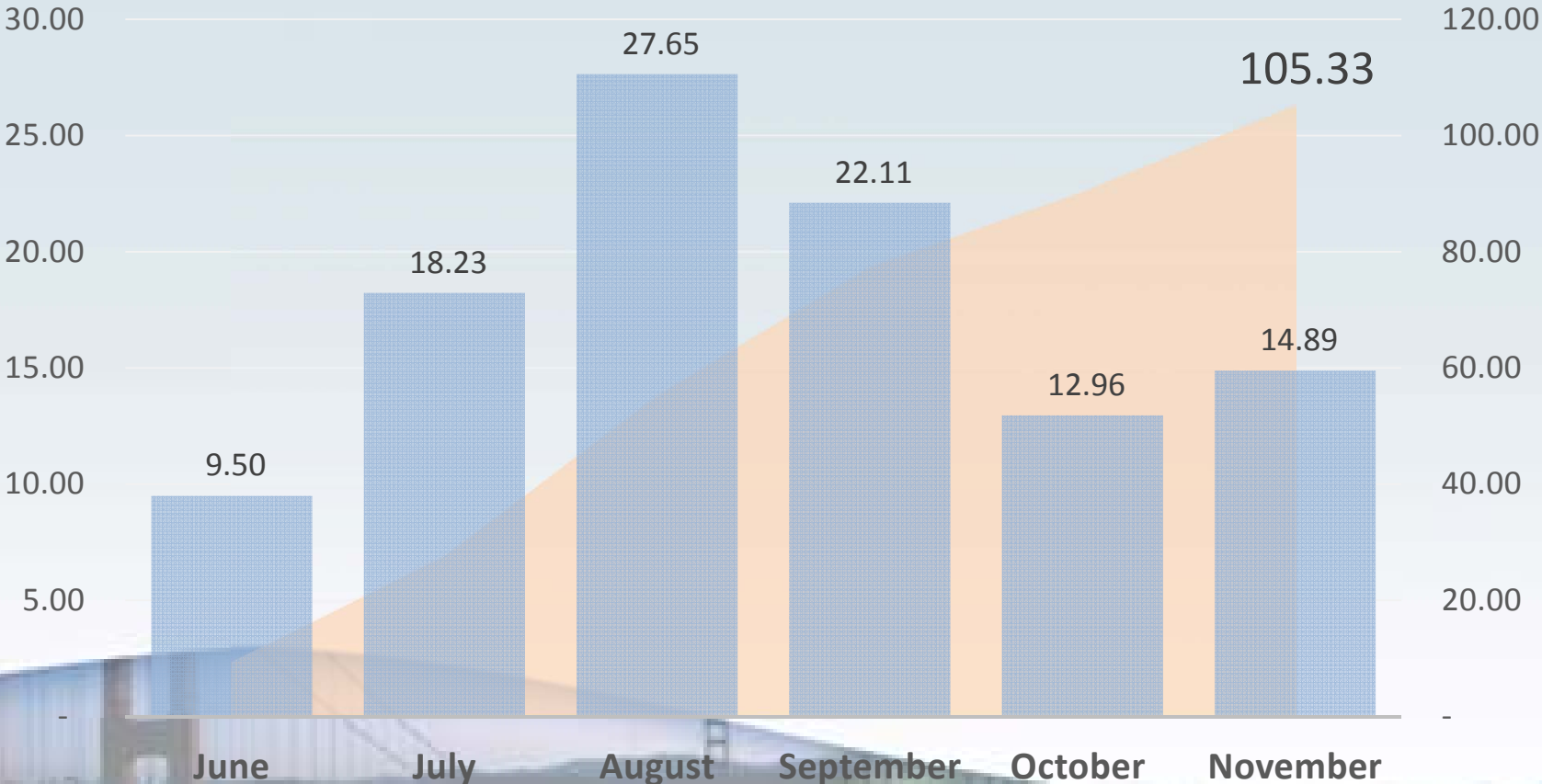


Over 105 Billion Gallons Saved June – November

# Statewide Water Conservation Results

Water Conserved June-November (Billion Gallons)

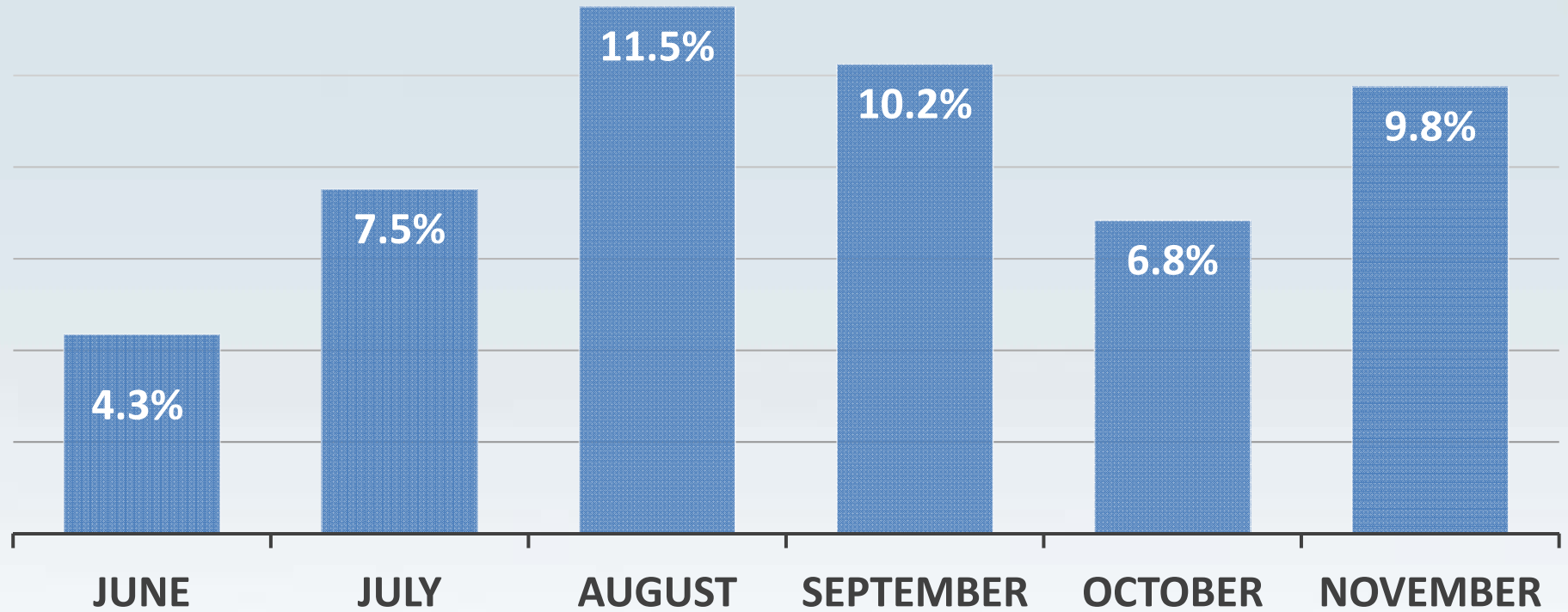
Cumulative  
Water Conserved



**Over 322,232 Acre Feet Saved June – November**

# Water Conservation Trend

(compared to previous year)



# November Water Production by Hydrologic Region and Percentage Reduction (Million Gallons)



■ Production Nov 2013  
—●— Percentage Nov Reduction

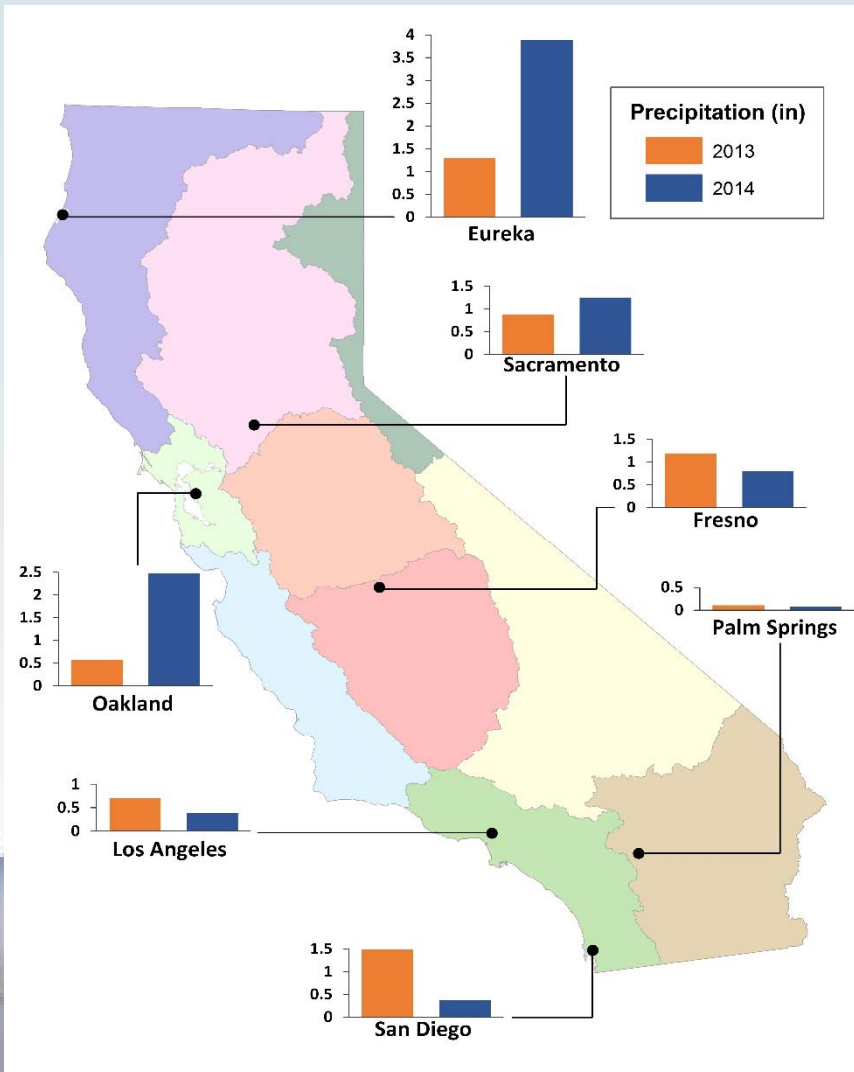
■ Production Nov 2014  
- - - State Average Nov Reduction 9.8%



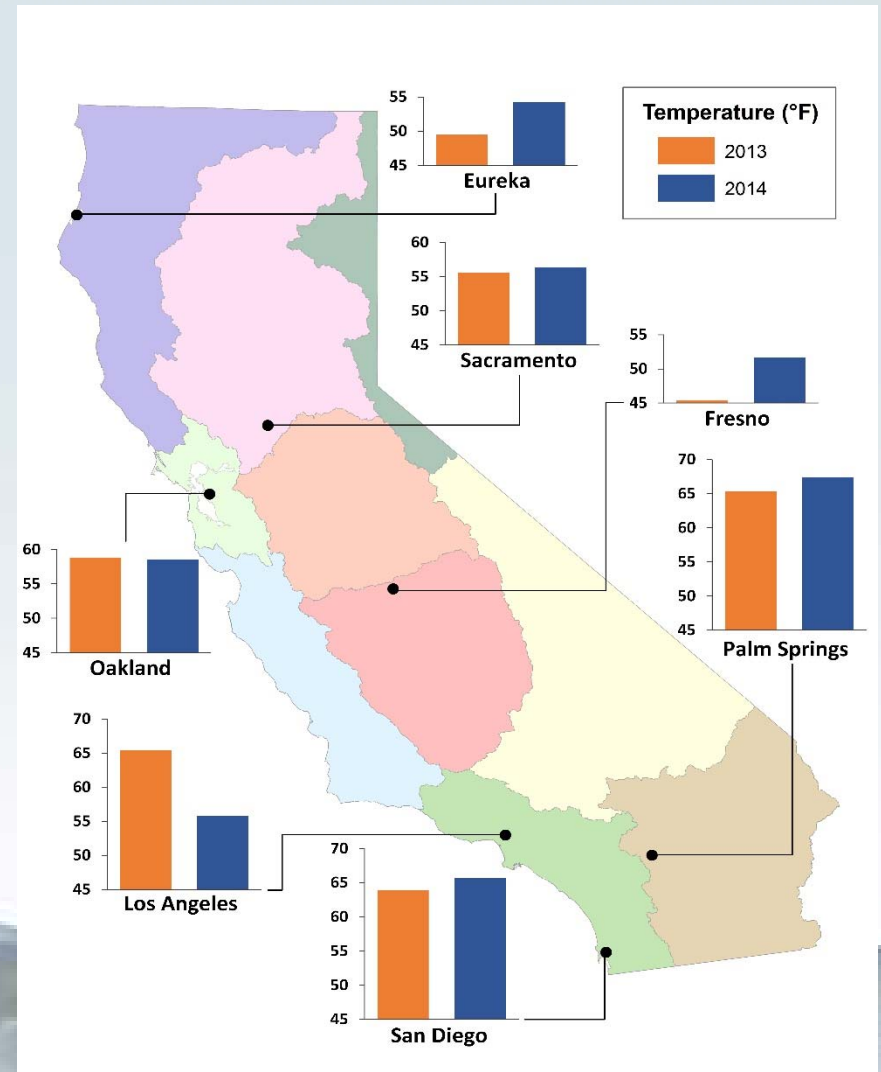
# November Weather Conditions

(Select Cities)

## Precipitation



## Temperature



# October 2014 Residential Gallons per Capita per Day

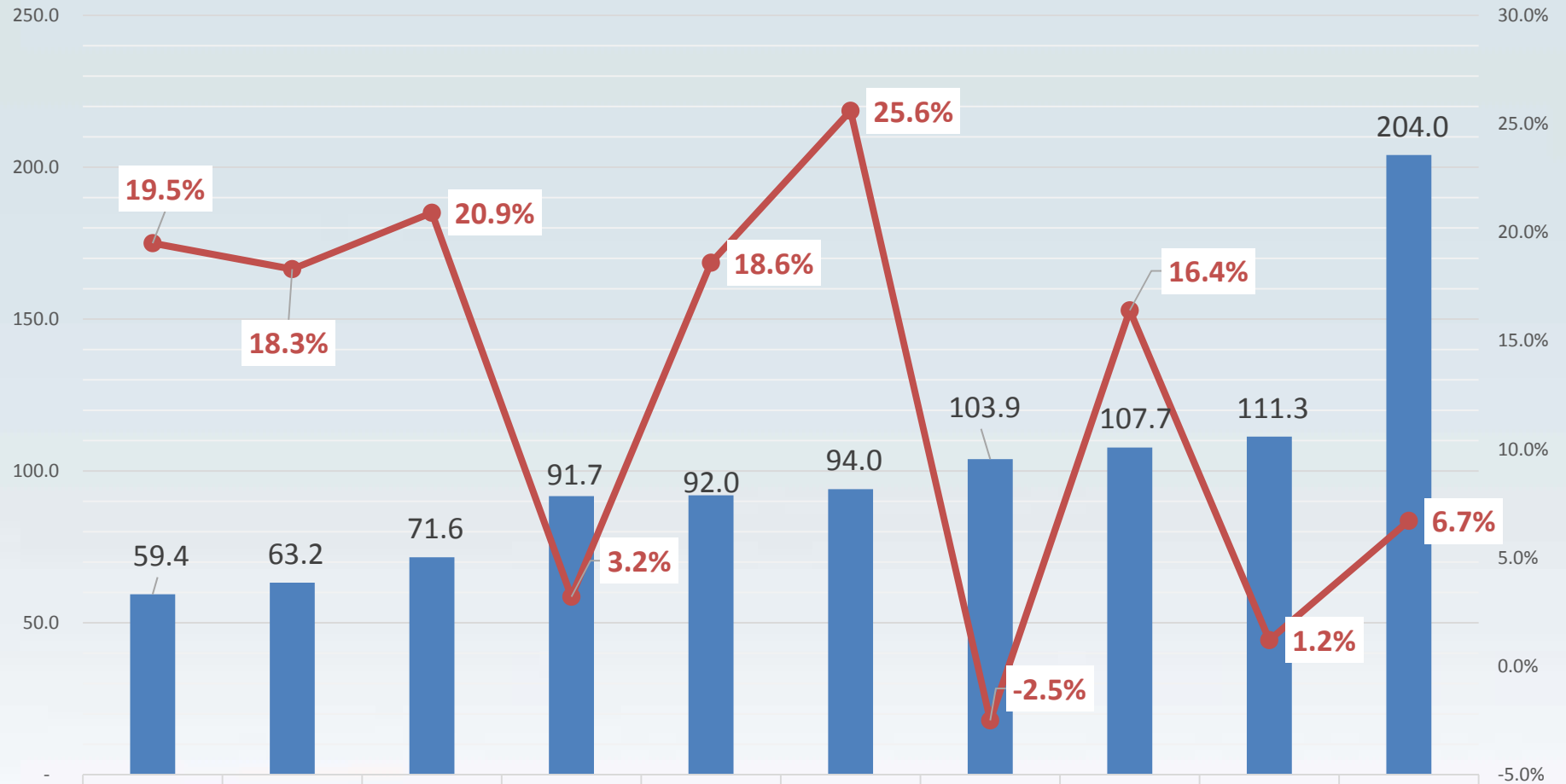
- Highest R-GPCD figures > 400
- Lowest R-GPCD figures < 50
- Average November 2014 R-GPCD = **88.97**, down from **98.79** last year
- 55 GPCD is the performance standard for **indoor** use (40 suppliers already reporting less)
- High R-GPCD plus low percentage reduction raises questions about factors inhibiting conservation response



# November 2014 Water Conservation Results

■ November 2014 Average R-GPCD

● November 2014-2013 % Reduction



North Coast

San Francisco Bay

Central Coast

South Coast

San Joaquin River

Sacramento River

North Lahontan

Tulare Lake

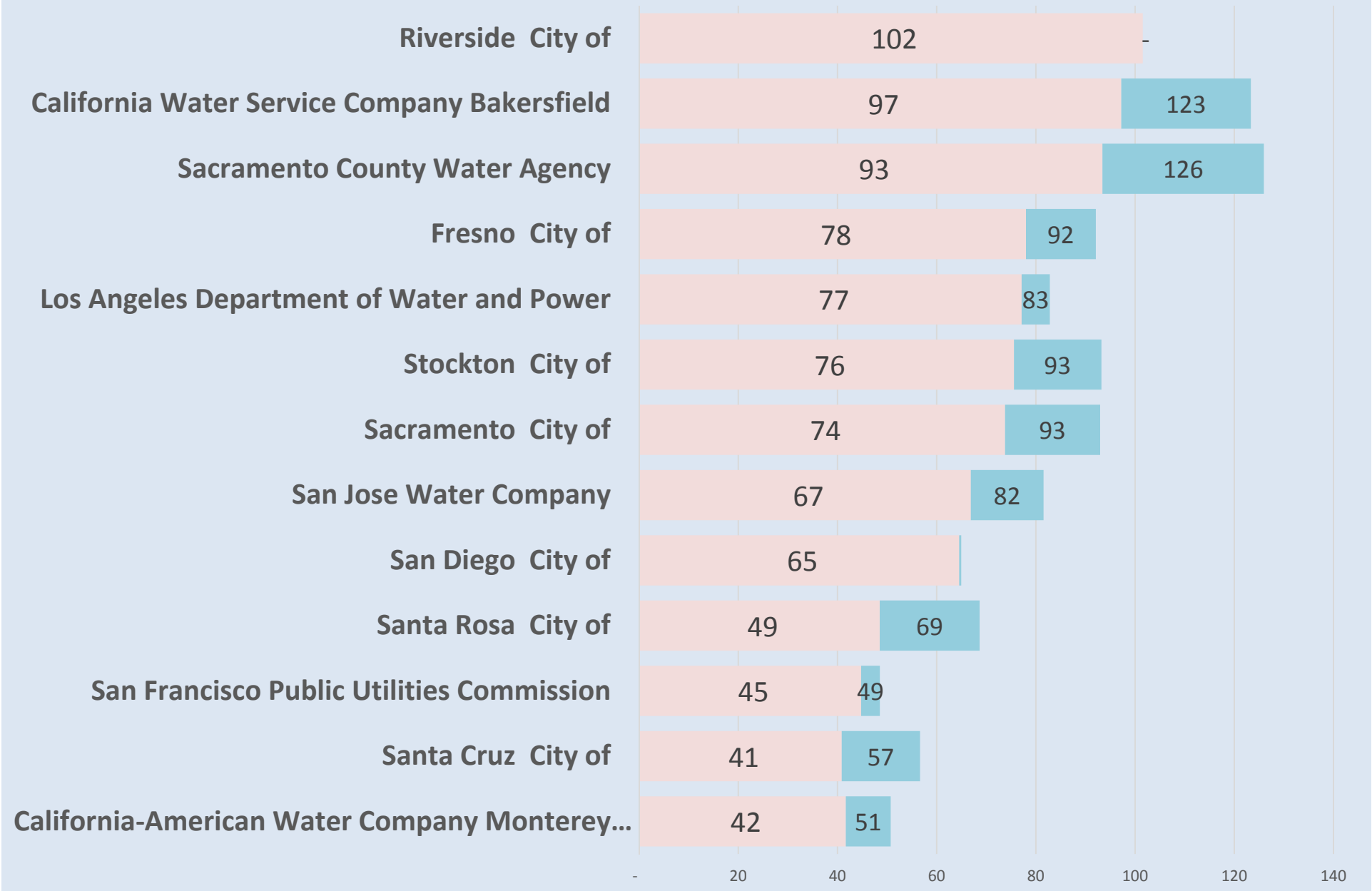
South Lahontan

Colorado River

### R-GPCD for Selected Water Suppliers (November)

2014 GPCD

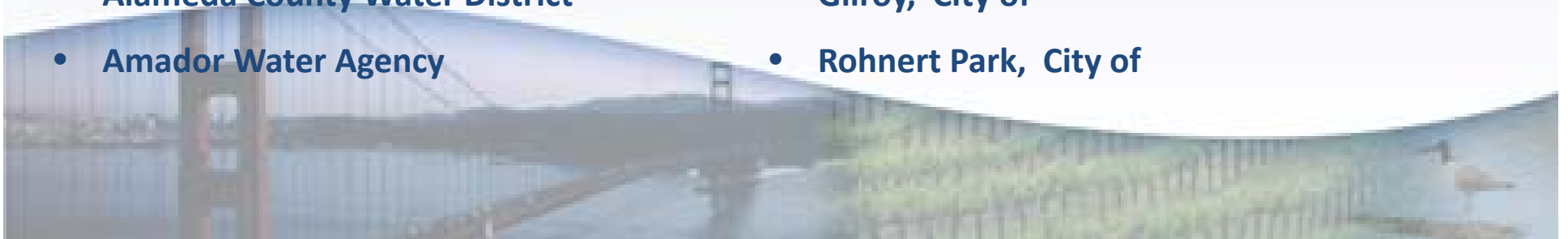
2013 GPCD



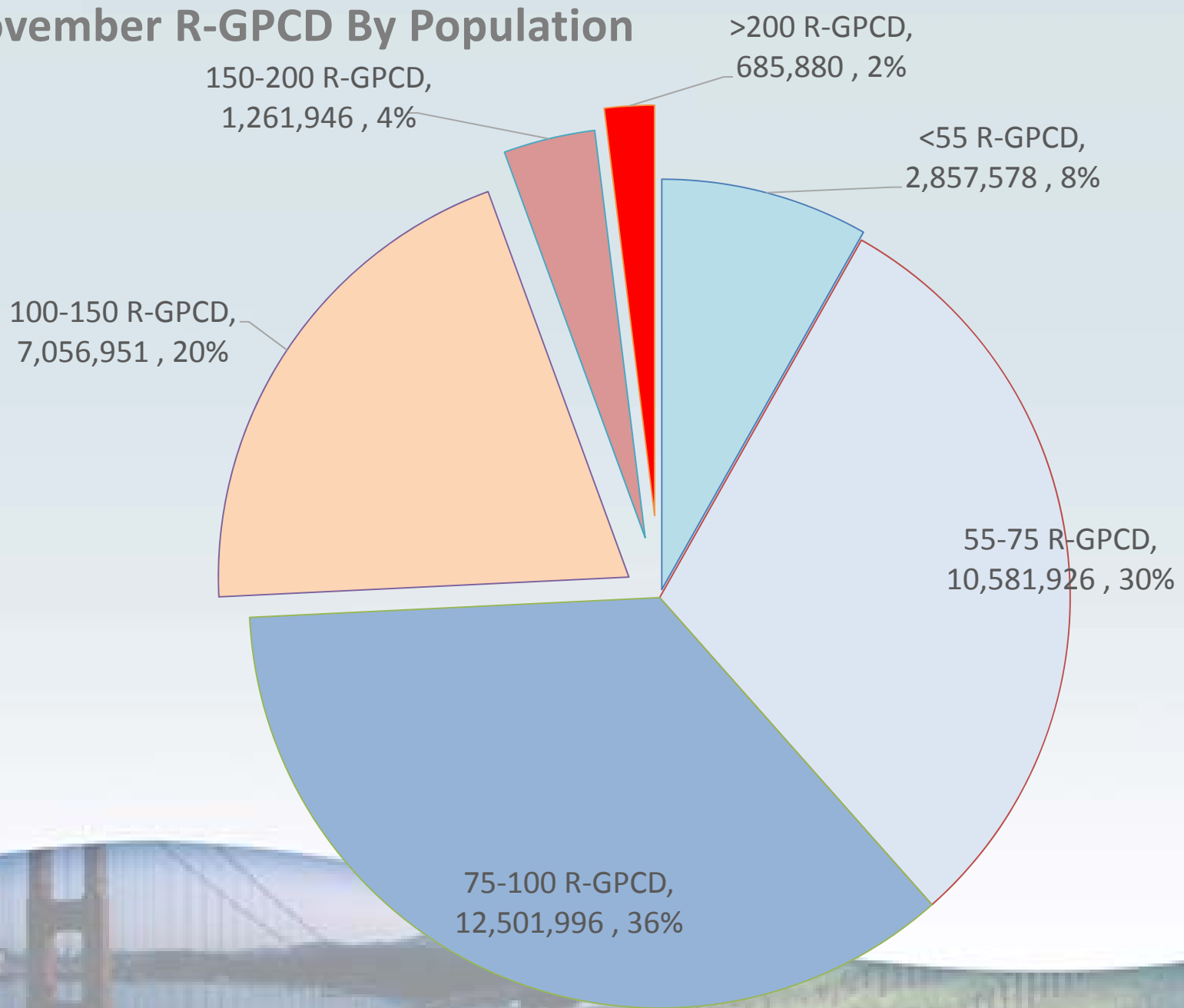
# Noteworthy November 2014 Conservation Achievements

Conservation greater than 20% and R-GPCD less than 70 gallons

- East Bay Municipal Utilities District
- Coastside County Water District
- Dublin San Ramon Services District
- Santa Rosa, City of
- Valley of the Moon Water District
- North Marin Water District
- Windsor, Town of
- Napa, City of
- Alameda County Water District
- Amador Water Agency
- California Water Service Company Oroville
- Soquel Creek Water District
- California Water Service Company King City
- California Water Service Company Marysville
- Westborough Water District
- Mountain View, City of
- Santa Cruz, City of
- Marina Coast Water District
- Gilroy, City of
- Rohnert Park, City of



# November R-GPCD By Population



# Next Steps

- Work with suppliers to achieve compliance with emergency regulation
- Evaluate recommendations from December 17 workshop and written comments
- Potentially extend and/or augment current emergency regulation before April 2014 expiration date
- Improve communication with public and water suppliers.



# Sharing Information

- DRINC Portal

<https://drinc.ca.gov/dnn/Applications/UrbanWaterR-GPCD.aspx>

- Pacific Institute

<http://pacinst.org/new-data-show-residential-per-capita-water-use-across-california/>

- All Data Available @:

[http://www.waterboards.ca.gov/waterrights/water\\_issues/programs/drought/conservation\\_reporting\\_info.shtml](http://www.waterboards.ca.gov/waterrights/water_issues/programs/drought/conservation_reporting_info.shtml)





# Urban Water Supplier Monitoring Reports

- Reports from June through November, 2014
- Almost 100% reporting (some are late)
- Last submitted monthly report used for analyses

The screenshot shows the DRINC Portal website. The header includes the CA.GOV logo, the text "DRINKING WATER INFORMATION CLEARINGHOUSE DRINC PORTAL", a search bar, and links for "CA.GOV", "LOGOUT", and "MARK EMERSON". The navigation menu has "Home", "Applications", and "Projects". The main content area is titled "Applications > Public Water Systems > Monitoring Report". It contains instructions for reporting, a list of required information, and a "Help" icon. Below the instructions, it states "There are no Monitoring Reports that you have submitted."

The screenshot shows the "Urban Water Supplier Reporting Tool" form. It has three sections:

- 1. Urban Water Supplier:** A dropdown menu with "-- Select --" and a note: "Wholesale water suppliers are not required to provide water production data, unless they have retail customers, in which case data should be provided for the retail component of their operations."
- 2. Stage Invoked:** A text input field with the label "Which Stage of your Water Shortage Contingency Plan have you invoked?"
- 3. Mandatory Restrictions:** A text input field with the label "Does this stage include mandatory restrictions on outdoor irrigation?"



# Urban Water Supplier R-GPCD

- Calculation of R-GPCD from submitted data
- Selection of supplier
- Graphical representation of R-GPCD and water use reduction
- Comparison of regional and state averages



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FIGURE ES1-2  
California's Hydrologic Regions



Carmichael Water District Water Use Reduction  
From Last Year Versus Other Averages by Month  
Cumulative Reduction: 20.5 Percent (%)



Source: DRINC Portal ([drinc.ca.gov](http://drinc.ca.gov)) Urban Water Supplier Monitoring Reports (Jan 2015)

# Questions?

URL: <http://drinc.ca.gov>

Application: Urban Water R-GPCD

