

Max Gomberg, Rafael Maestu, Mark Emmerson, Carlos Mejia, Eric Oppenheimer Office of Research, Planning, and Performance November 4, 2014

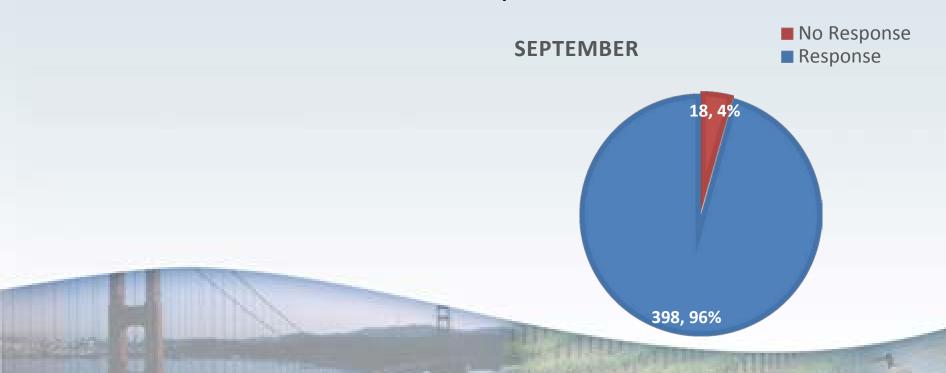
Water Boards

## Status of Implementation

- Water production data collected from June, July, August, & September
- Initial Residential Per-Capita Per-Day estimates reported September 15
- Compliance actions underway

## **Data Collection**

- 414 Retail Urban Water Suppliers
- 398 provided September production numbers
   ≈35 million Californians represented



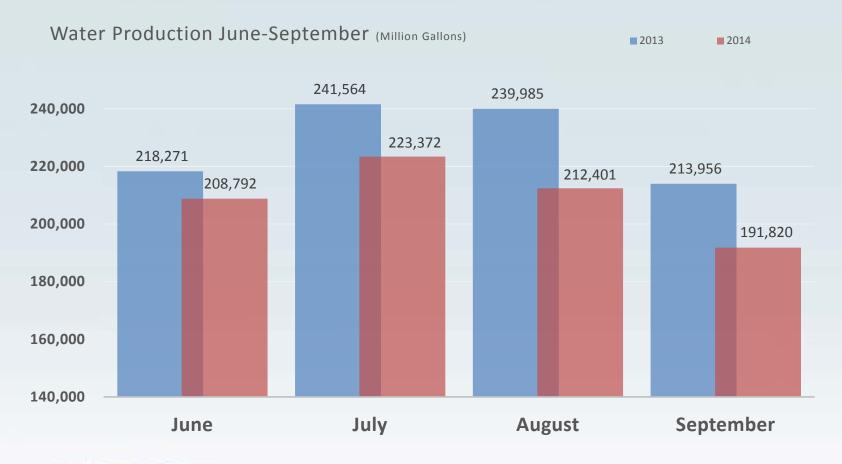
# Mandatory Restrictions on Outdoor Water Use

- 87% now implementing mandatory restrictions
- Some Urban Water Suppliers indicated that they are in the process of establishing mandatory restrictions

#### **Water Suppliers Implementing Mandatory Restrictions**

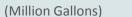


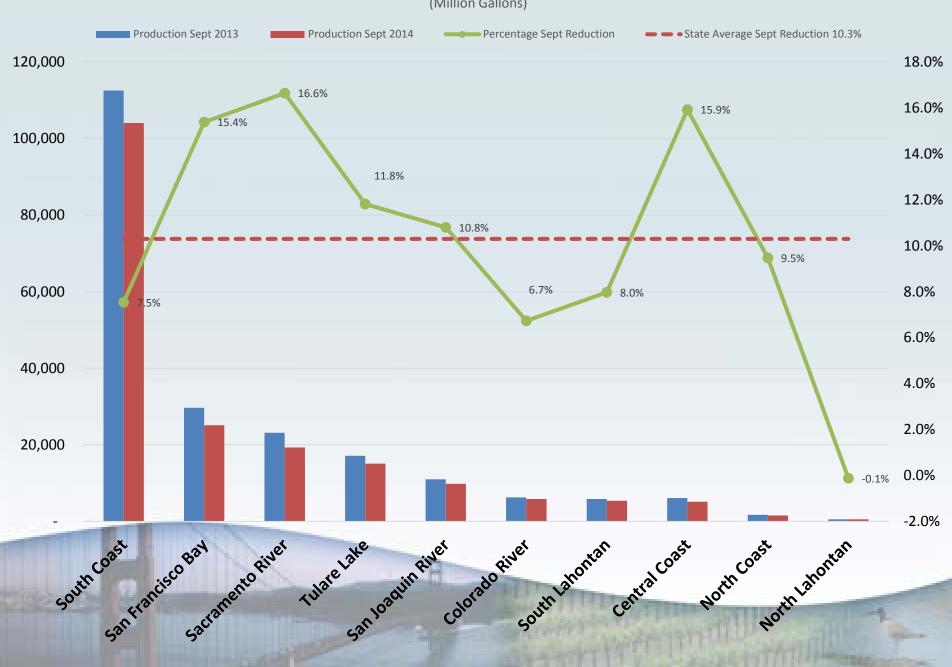
## Statewide Water Conservation Results



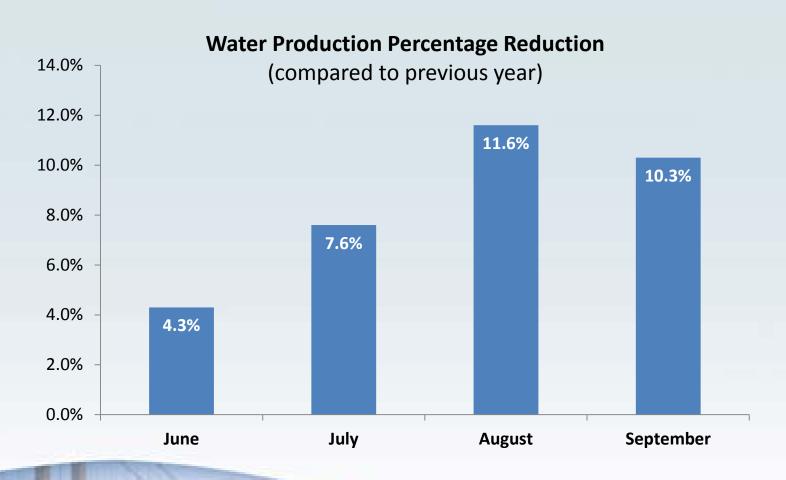
≈ 77 Billion Gallons Saved June – September

#### September Water Production by Hydrologic Region and Percentage Reduction





## **Water Conservation Trend**



## Noteworthy September 2014 Conservation Achievements

- City of Oxnard
  - 14% reduction from low baseline
- City of San Jacinto
  - 22% reduction
- Contra Costa Water District
  - 22% reduction, 200,000 people served
- City of Davis
  - 28% reduction
- City of Oakdale
  - 20% reduction

California Water Service Company – Bakersfield

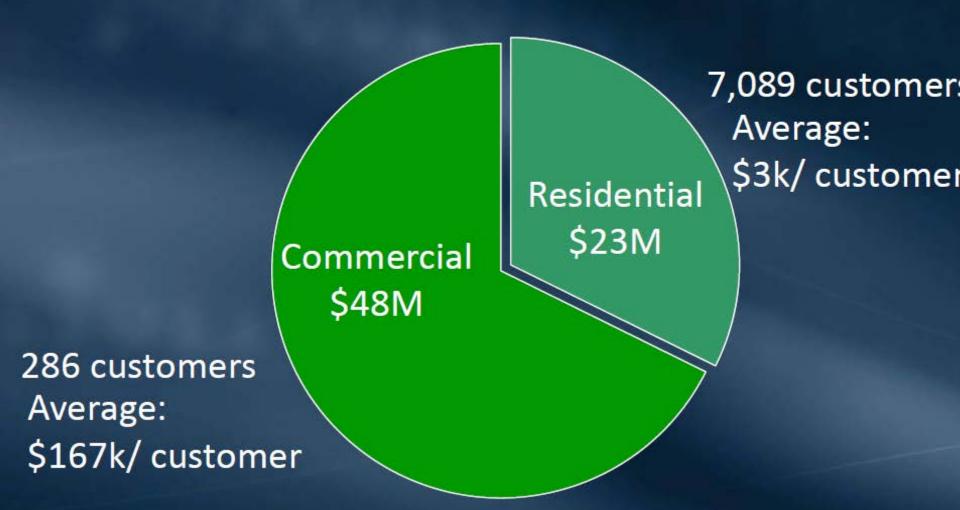
- 14% reduction, 277,000 people served
- City of Grover Beach
  - 52% reduction
- City of Santa Maria
  - 29% reduction
- Desert Water Agency
  - 11% reduction
- Quartz Hill Water District
  - 20% reduction



## High Continued Interest in Turf Removal

- South Coast
  - \$70.9 million in rebate requests; 27.9 million committed
- Santa Clara Valley
  - 675,000 square feet of rebates completed; 1.35 million in process
  - Additional \$3 million for rebates approved

## Commercial Turf Removal Requests Are The Largest Part Of The Program

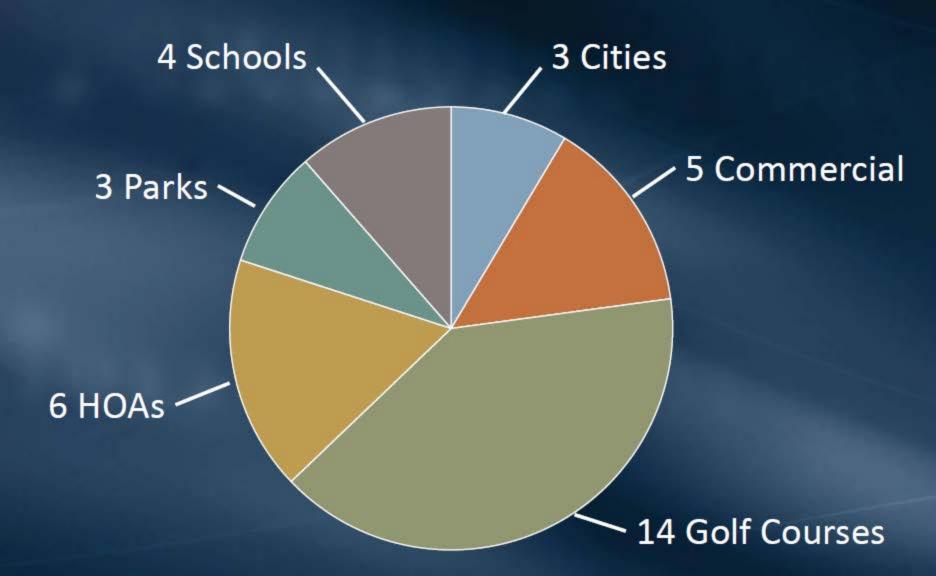


# Large Commercial Customers Account For Most Of The Activity



## Large Commercial Turf Requests

(Request Amount Greater Than \$100K Per Customer)



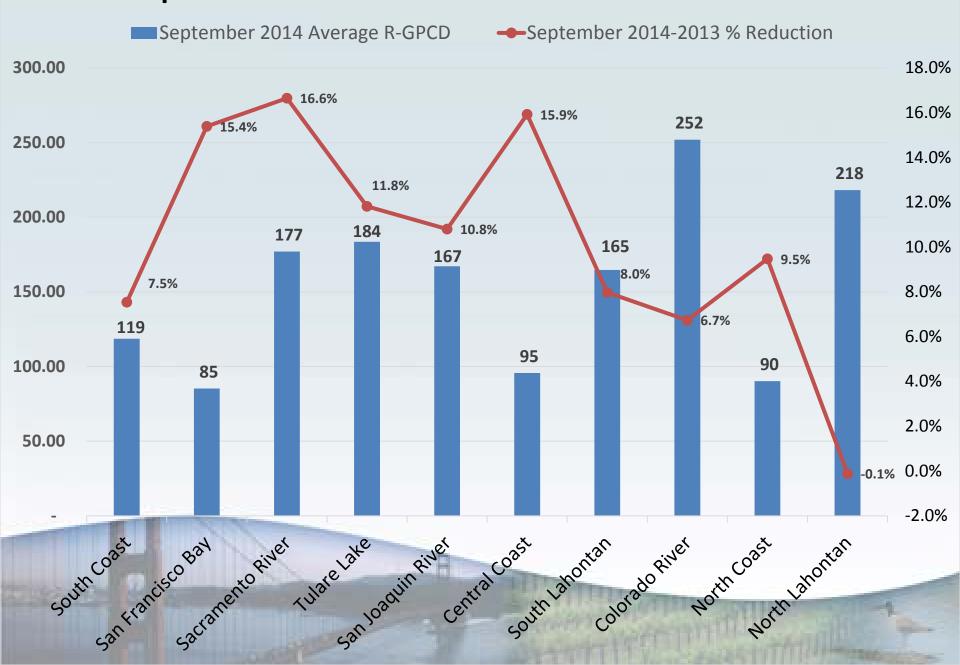
## Residential Gallons per Capita per Day

- Factors affecting estimates include:
  - Population estimate
  - Production data vs. billing data
  - Categorization of residential use
- Caveats about use of R-GPCD data on the website
- First ever monthly statewide collection
- Cannot be compared with annual GPCD estimates required for SBx7-7 (20x2020) compliance

## Residential Gallons per Capita per Day

- Highest R-GPCD figures > 500
- Lowest R-GPCD figures < 50</li>
- 55 GPCD is the performance standard for indoor use
- Major Australian cities reached R-GPCD levels below 45 and have maintained them
- High R-GPCD plus low percentage reduction raises questions about factors inhibiting conservation response

#### **September 2014 Water Conservation Results R-GPCD**



# Accelerating Use of Water Saving Technologies

- Multiple state & federal funding opportunities
  - Bureau of Reclamation WaterSmart grants
  - Department of Water Resources grants
    - Integrated Regional Water Management grants
    - Cap & Trade grants
  - Energy Commission funding for technology innovation (EPIC)
- Proposition 1 funds
- Stanford recommendations

## Collaboration with Public Utilities Commission and Pacific Gas & Electric Company on Drought Response

- PG&E has deployed an additional 150 Energy Specialists in the Central Valley to enroll low-income eligible customers and perform energy education.
- PG&E now allows contractors to install more low-flow showerheads, faucet aerators, and thermostatic shower valves in qualified homes (from 2 units/home to 3 units/home).
- PG&E has shifted \$2.9 million for installation of more water measures.

## **Next Steps**

- Develop (800) number for reporting water waste
- Compliance outreach and progressive enforcement
- December workshop in Southern California