

# Emergency Conservation Regulation Update

Max Gomberg, Rafael Maestu, Mark Emmerson,  
Carlos Mejia, Eric Oppenheimer  
Office of Research, Planning, and Performance  
September 9, 2014



# Background

- Board adopts Emergency Regulation July 15
- Office of Administrative Law approves Emergency Regulation July 28
- August 15 reporting deadline



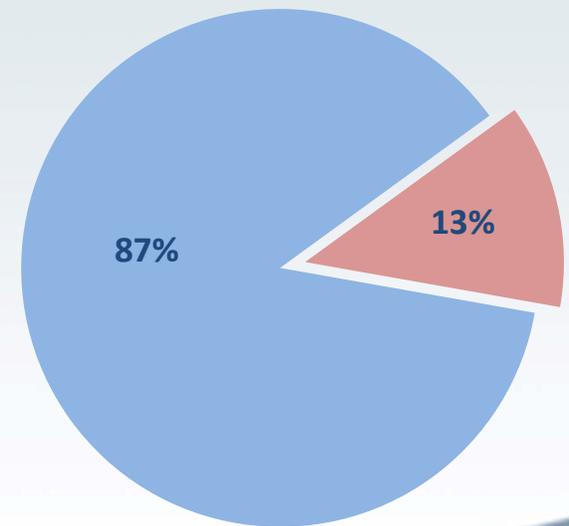
# Data Collection

- Potable water production for June & July 2013 & 2014
- Stage of Water Shortage Contingency Plan Invoked
- Optional information on enforcement, recycled water, and implementation of use restrictions



# Data Collection

- 415 Retail Urban Water Suppliers
- 362 provided July production numbers
  - 33 million Californians represented
- Staff is contacting all non-reporting water suppliers

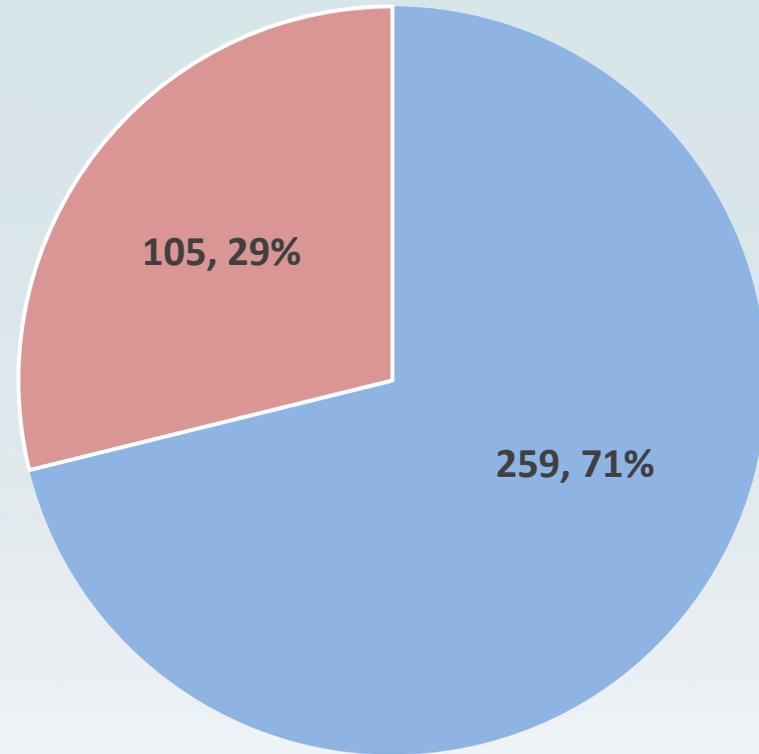


■ Responded

■ No Response

# Mandatory Restrictions on Outdoor Water Use

- 71% implementing mandatory restrictions
- Some Urban Water Suppliers indicated that they are in the process of establishing mandatory restrictions

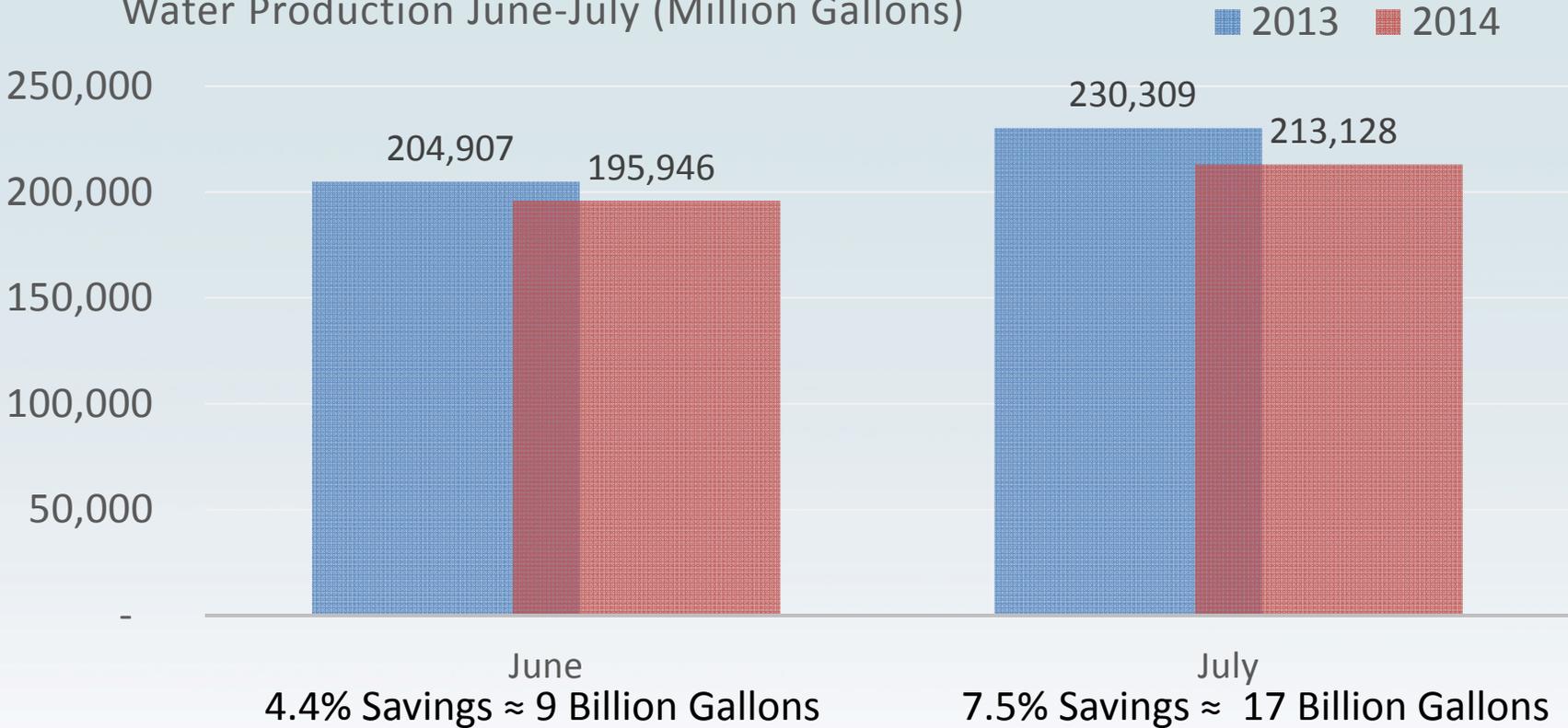


■ Mandatory Restrictions ■ No Mandatory Restrictions

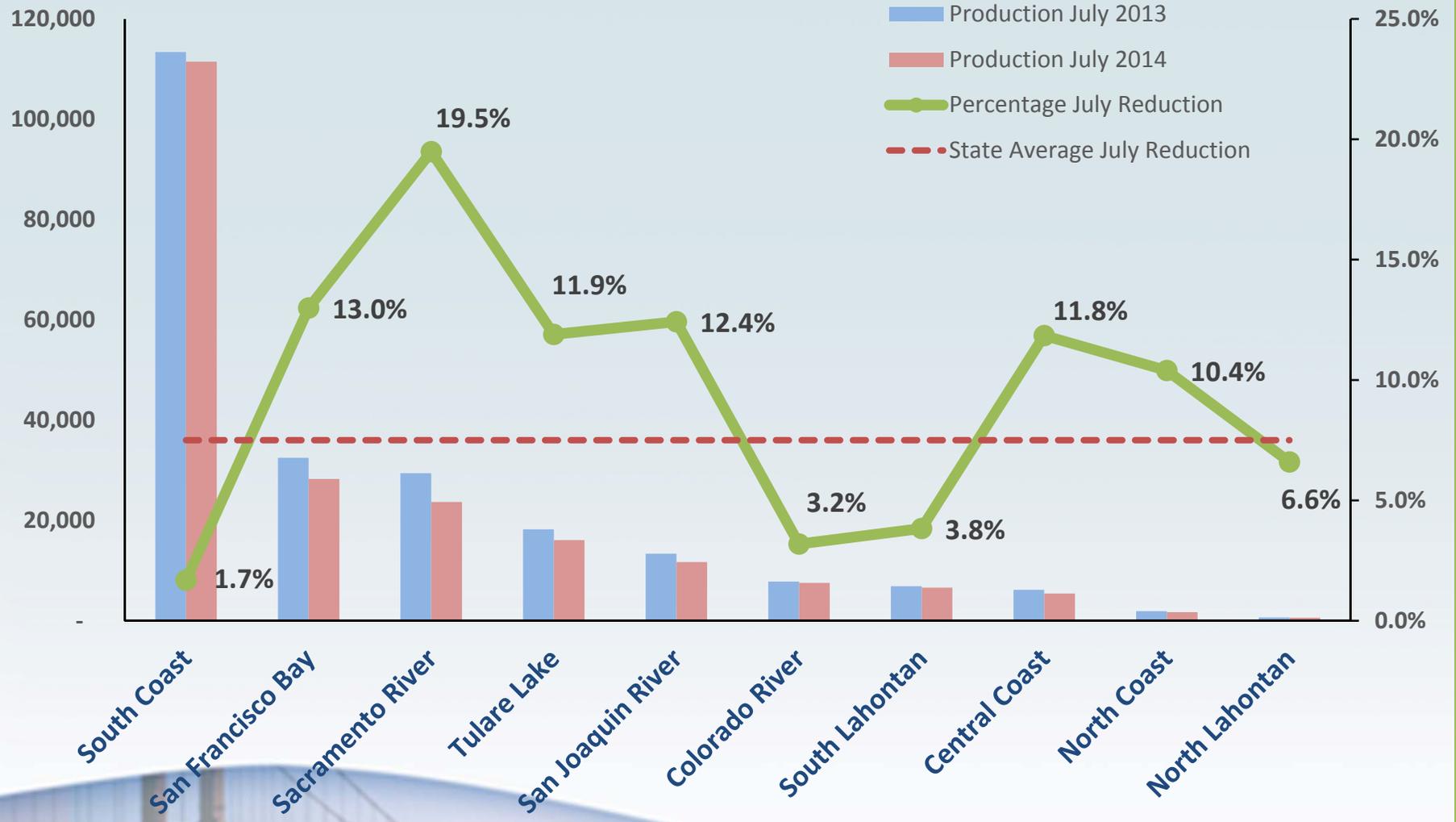


# Statewide Water Conservation Results

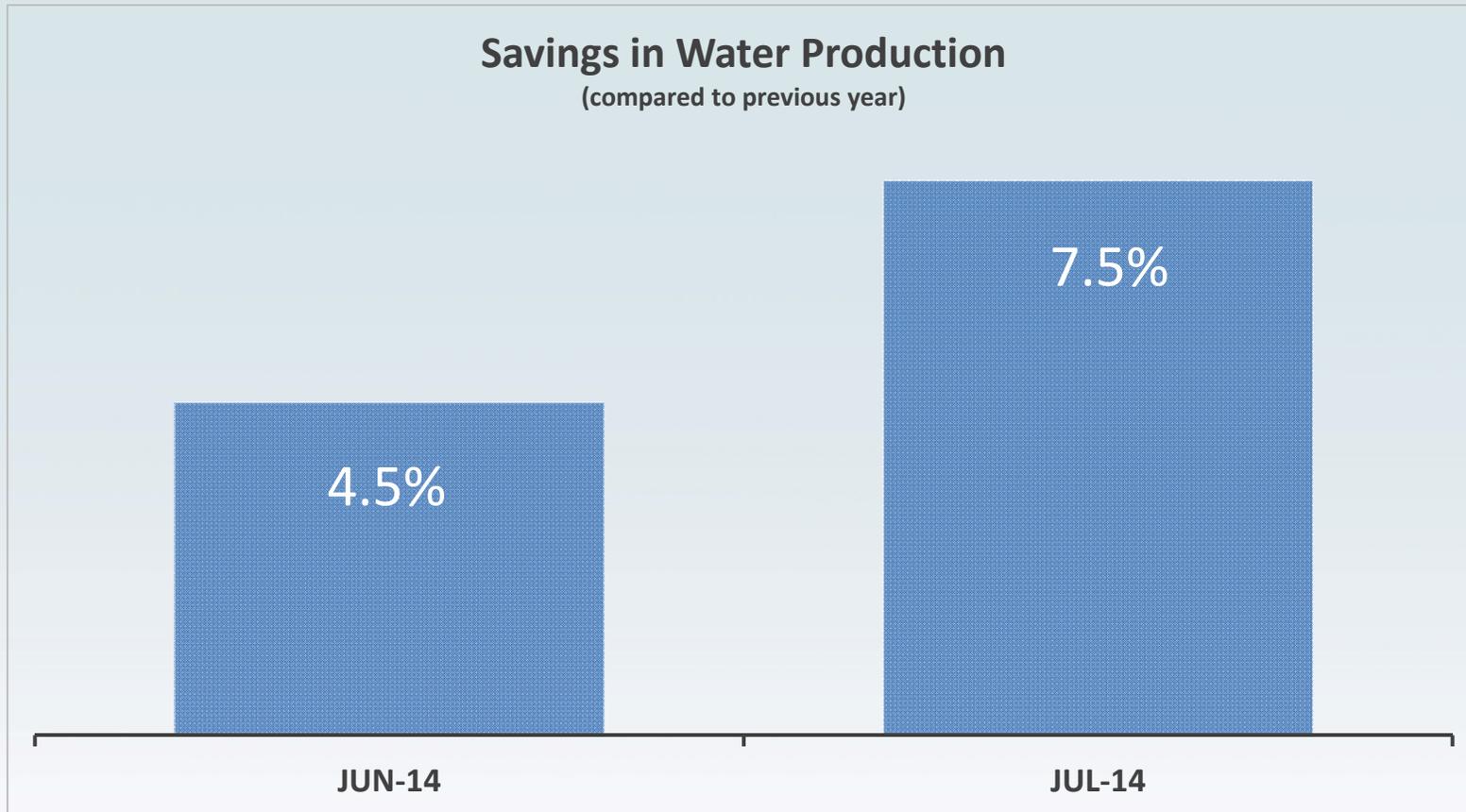
Water Production June-July (Million Gallons)



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



# Water Conservation Trend



# Noteworthy Conservation Achievements

- Southern California
  - Long Beach Water Department
  - Golden State Water Company – Claremont
- San Francisco Bay Area
  - Tri-Valley area: Alameda County Water District, Dublin San Ramon Services District, California Water Service – Livermore District, City of Livermore
  - City of Burlingame, City of Menlo Park



# Noteworthy Conservation Achievements

- Sacramento Region
  - City of Sacramento, Sacramento County Water Agency, Sacramento Suburban Water District, El Dorado Irrigation District, City of Folsom, Citrus Heights Water District, City of West Sacramento, California American Water-Sacramento District, Carmichael Water District > 20% reduction
- Central Valley
  - City of Fresno, California Water Service – Bakersfield, City of Modesto, City of Stockton, City of Turlock



# Response to Severe Shortages

- Tuolumne Public Utilities District
- City of Santa Cruz
- Cambria Community Services District
- Bella Vista Water District (Redding)

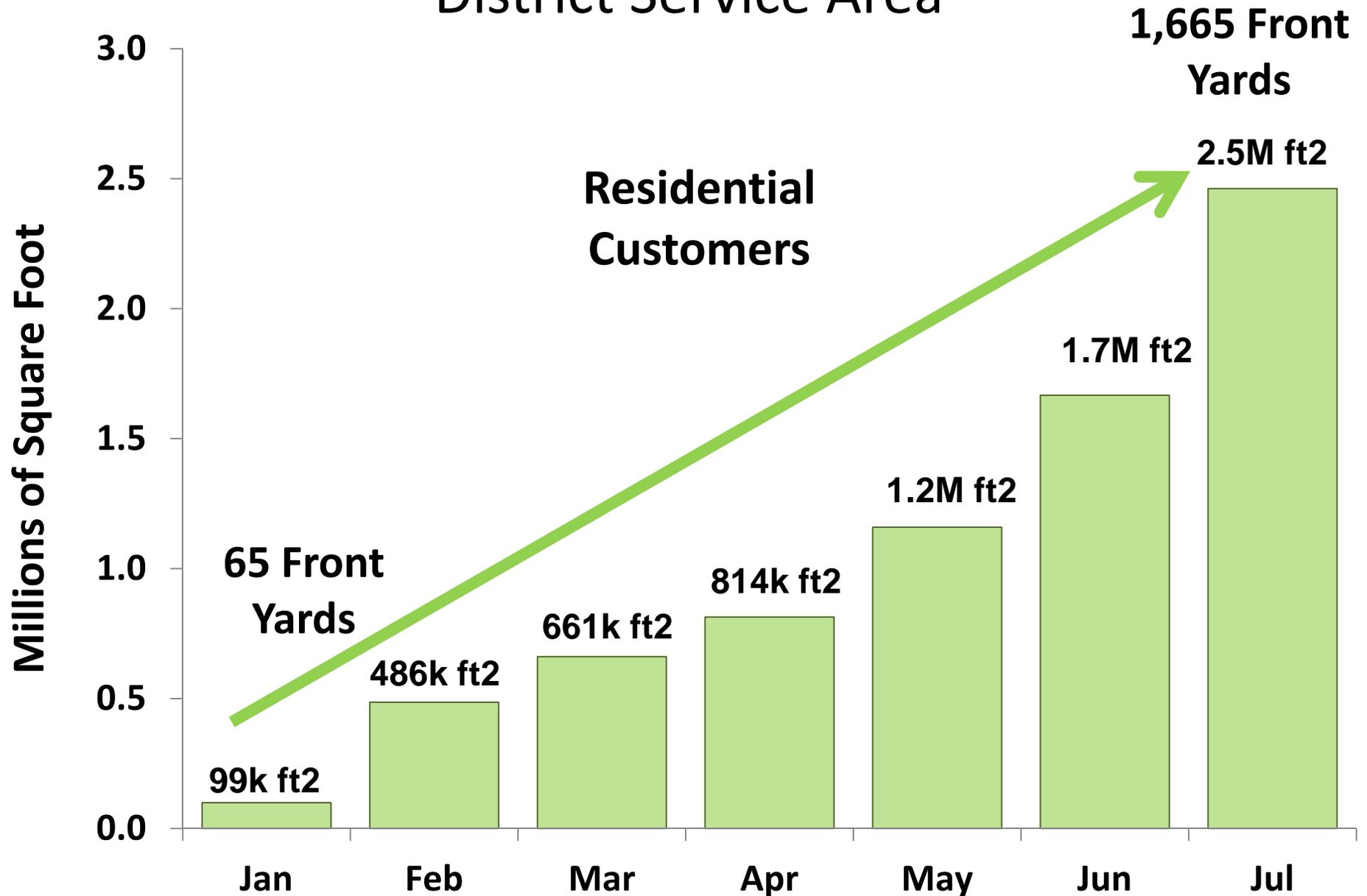


# Results in Context

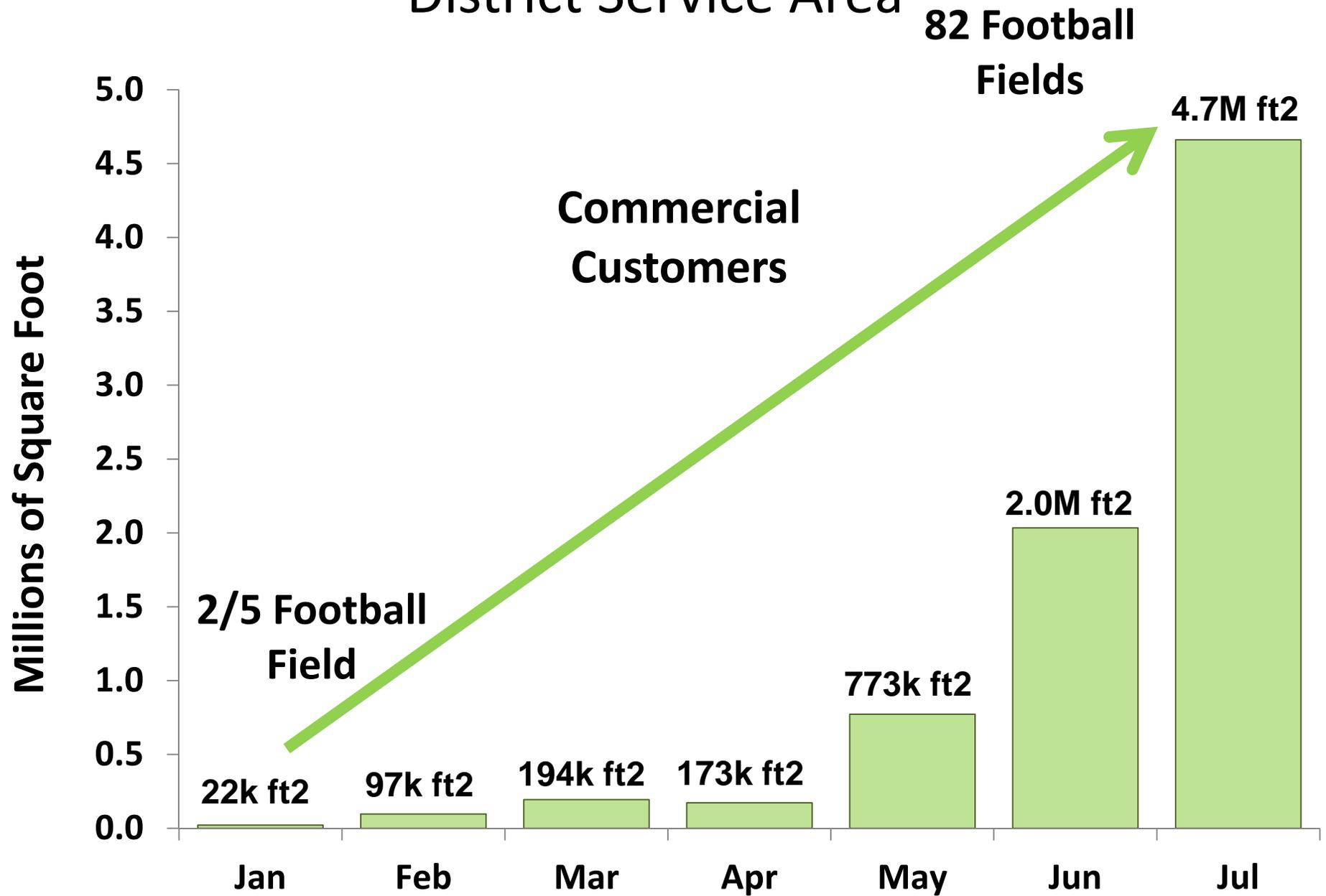
- Low Hanging Fruit vs. Deeper Measures
  - High outdoor use vs. efficient outdoor use
  - City of Long Beach 89 gallons per capita per day (estimated)
- Turf removal response has been tremendous
  - High uptake in Southern California and in the Santa Clara Valley



# Residential Turf Removal in Metropolitan Water District Service Area



# Commercial Turf Removal in Metropolitan Water District Service Area



# Alternate Plans for Water Suppliers with Allocation-Based Rates

- Three requests received
  - Irvine Ranch Water District (approved)
  - Moulton Niguel Water District (approved)
  - Truckee Donner Public Utilities District (denied)



# Significant Public Response to the Regulations

- Hundreds of calls, emails, and letters received
  - Desire for enforcement and equitable application of use restrictions
  - Code enforcement inquiries
- Clarifying questions from water suppliers
- High media interest



# Next Steps

Winter precipitation is uncertain; preparation for another dry year is essential

- Monthly updates on production data
- Address non-compliance
- Assess need for additional conservation measures

