Emergency Conservation Regulation Update

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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
Statewide Water Conservation Results

Water Production June-September (Million Gallons)

≈ 77 Billion Gallons Saved June – September
Water Conservation Trend

Water Production Percentage Reduction
(compared to previous year)

- June: 4.3%
- July: 7.6%
- August: 11.6%
- September: 10.3%
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

- Commercial: $48M (286 customers, Average: $167k/customer)
- Residential: $23M (7,089 customers, Average: $3k/customer)
Large Commercial Customers Account For Most Of The Activity

- Commercial
  - >$100k/customer
  - 35 customers
  - $42.6M
- Commercial
  - <$100k/customer
  - 251 customers
  - $5.3M
Large Commercial Turf Requests
(Request Amount Greater Than $100K Per Customer)

- 4 Schools
- 3 Cities
- 3 Parks
- 5 Commercial
- 6 HOAs
- 14 Golf Courses
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
• 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

- South Coast: 119 (7.5%)
- San Francisco Bay: 85
- Sacramento River: 177
- Tulare Lake: 184 (11.8%)
- San Joaquin River: 167 (10.8%)
- Central Coast: 95
- South Lahontan: 165 (8.0%)
- Colorado River: 252 (6.7%)
- North Coast: 90 (9.5%)
- North Lahontan: 218

- September 2014 Average R-GPCD
- September 2014-2013 % Reduction
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