Emergency Conservation Regulation Update

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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
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

Pie chart: 259, 71%: Mandatory Restrictions; 105, 29%: No Mandatory Restrictions
Statewide Water Conservation Results

Water Production June-July (Million Gallons)

June
2013: 204,907
2014: 195,946
4.4% Savings ≈ 9 Billion Gallons

July
2013: 230,309
2014: 213,128
7.5% Savings ≈ 17 Billion Gallons
July Water Production by Hydrologic Region and Percentage Reduction
(Million Gallons)

- **South Coast**: 1.7%
- **San Francisco Bay**: 13.0%
- **Sacramento River**: 19.5%
- **Tulare Lake**: 11.9%
- **San Joaquin River**: 12.4%
- **Colorado River**: 3.2%
- **South Lahontan**: 3.8%
- **Central Coast**: 11.8%
- **North Coast**: 10.4%
- **North Lahontan**: 6.6%

**Production July 2013**

**Production July 2014**

**Percentage July Reduction**

**State Average July Reduction**
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

- 65 Front Yards
- 1,665 Front Yards
- 2.5M ft²
- 1.7M ft²
- 1.2M ft²
- 814k ft²
- 661k ft²
- 486k ft²
- 99k ft²

Millions of Square Foot

Jan | Feb | Mar | Apr | May | Jun | Jul
Commercial Turf Removal in Metropolitan Water District Service Area

- 82 Football Fields: 4.7M ft²
- 2/5 Football Field: 773k ft²
- Commercial Customers: 2.0M ft²
- Jan: 22k ft²
- Feb: 97k ft²
- Mar: 194k ft²
- Apr: 173k ft²
- May: 773k ft²
- Jun: 2.0M ft²
- Jul: 4.7M ft²

Millions of Square Foot
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