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, July, & August
- Water Shortage Contingency Plans implemented
- Compliance assessment underway
Data Collection

- 414 Retail Urban Water Suppliers
- 394 provided August production numbers – 33.5 million Californians represented
- Staff is contacting all non-reporting water suppliers
Mandatory Restrictions on Outdoor Water Use

- 81% 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-August (Million Gallons)

- **July**: 237,558 (2013), 219,875 (2014)
- **August**: 231,777 (2013), 204,831 (2014)

Approximately 9 Billion Gallons Saved

Approximately 18 Billion Gallons Saved

Approximately 27 Billion Gallons Saved
August Water Production by Hydrologic Region and Percentage Reduction (Million Gallons)

- Production August 2013
- Production August 2014
- Percentage August Reduction
- State Average August Reduction

<table>
<thead>
<tr>
<th>Region</th>
<th>Production August 2013</th>
<th>Production August 2014</th>
<th>Percentage Reduction</th>
</tr>
</thead>
<tbody>
<tr>
<td>South Coast</td>
<td>120,000</td>
<td>40,000</td>
<td>7.8%</td>
</tr>
<tr>
<td>San Francisco Bay</td>
<td>40,000</td>
<td>20,000</td>
<td>15.0%</td>
</tr>
<tr>
<td>Sacramento River</td>
<td>20,000</td>
<td>10,000</td>
<td>13.0%</td>
</tr>
<tr>
<td>Tulare Lake</td>
<td>10,000</td>
<td>7,000</td>
<td>13.9%</td>
</tr>
<tr>
<td>San Joaquin River</td>
<td>7,000</td>
<td>4,000</td>
<td>14.4%</td>
</tr>
<tr>
<td>Colorado River</td>
<td>4,000</td>
<td>2,000</td>
<td>9.8%</td>
</tr>
<tr>
<td>South Lahontan</td>
<td>2,000</td>
<td>1,000</td>
<td>14.4%</td>
</tr>
<tr>
<td>Central Coast</td>
<td>10,000</td>
<td>5,000</td>
<td>13.2%</td>
</tr>
<tr>
<td>North Coast</td>
<td>5,000</td>
<td>3,000</td>
<td>13.7%</td>
</tr>
<tr>
<td>North Lahontan</td>
<td>3,000</td>
<td>2,000</td>
<td>15.0%</td>
</tr>
</tbody>
</table>

Graph notes:
- Production August 2013 is shown in blue.
- Production August 2014 is shown in red.
- Percentage August Reduction is shown in orange.
- State Average August Reduction is shown in gray dashed line.

Graph scale:
- Y-axis: 0.0% to 25.0%
- X-axis: 0.0 to 140,000

Graph context:
- Water production data for August 2013 and 2014, including percentage reductions for each hydrologic region.
Water Conservation Trend

Water Production Percentage Reduction
(compared to previous year)

- June: 4.3%
- July: 7.5%
- August: 11.5%
Noteworthy August 2014 Conservation Achievements

• Sacramento Region
  – 19 out of 42 suppliers have August reductions of over 20%
  – Sacramento Regional Water Authority leadership

• City of Tracy
  – 9.6% reduction in June to 41.2% reduction in August

• City of Brawley
  – 26% reduction in July and 40% reduction in August
    (includes loss of large customer)
Noteworthy August 2014 Conservation Achievements

• Long Beach Water Department
  – 6.8% August reduction from low baseline

• City of Menlo Park
  – 21% reduction in June to 34% reduction in August

• City of Santa Cruz
  – Rationing and “water school.” 28% reduction in August

• City of Santa Rosa
  – 8.6% reduction in June to 17.3% reduction in August
## Metropolitan Water District of Southern California Conservation Program Status

<table>
<thead>
<tr>
<th></th>
<th>Reservation Requests</th>
<th>Committed</th>
<th>Paid FY 2014/2015</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rebates Residential</td>
<td>$4.2M</td>
<td>$4.2M</td>
<td>$1.5M</td>
</tr>
<tr>
<td>Rebates Commercial</td>
<td>$10.5M</td>
<td>$10.5M</td>
<td>$2.4M</td>
</tr>
<tr>
<td>Turf Removal</td>
<td>$42.9M</td>
<td>$15.8M</td>
<td>$825k</td>
</tr>
<tr>
<td>Other</td>
<td>$23.7M</td>
<td>$6.3M</td>
<td>$478k</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>$81.4M</strong></td>
<td><strong>$36.8M</strong></td>
<td><strong>$5.2M</strong></td>
</tr>
</tbody>
</table>

**Requests:**
Applications requesting funds submitted by customers and member agencies

**Committed:**
Applications approved to proceed
Compliance and Enforcement

• Water suppliers that have not instituted mandatory restrictions on outdoor use
  – Assess reasons for inaction
  – Initiate progressive enforcement

• Small water systems that have implemented restrictions comparable to limiting outdoor irrigation to two days/week

• Complaints of water waste against residential and commercial customers
  – Contact water supplier
Residential Gallons per Capita per Day

• Requirement to provide R-GPCD estimate begins October 15
• DWR developed a simplified guidance to estimate water supplier service area population
Residential Gallons per Capita per Day

- R-GPCD evaluation considerations include:
  - Population density
  - Lot size & affluence
  - Evapotranspiration rate
  - Temperature
  - Population fluctuations & growth

- R-GPCD estimate challenges
  - Billing cycles
  - Data availability for non-metered areas
  - Non-revenue water
  - Population
Next Steps

• Analyze R-GPCD submissions
• Initiate progressive enforcement
• Continue to highlight noteworthy programs and results