Status of Implementation

• Water production data collected from June through November (6 months)
• Compliance action and assistance underway
• Emergency regulation will expire in April 2015
Data Collection

- 411 Retail Urban Water Suppliers
- 398 provided November production numbers

Response Rate (Number of Suppliers)

<table>
<thead>
<tr>
<th>Month</th>
<th>Response</th>
<th>No Response</th>
<th>Percentage Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jun-14</td>
<td>383</td>
<td></td>
<td>93.2%</td>
</tr>
<tr>
<td>Jul-14</td>
<td>403</td>
<td></td>
<td>98.1%</td>
</tr>
<tr>
<td>Aug-14</td>
<td>405</td>
<td></td>
<td>98.5%</td>
</tr>
<tr>
<td>Sep-14</td>
<td>408</td>
<td></td>
<td>99.3%</td>
</tr>
<tr>
<td>Oct-14</td>
<td>406</td>
<td></td>
<td>99%</td>
</tr>
<tr>
<td>Nov-14</td>
<td>398</td>
<td></td>
<td>97%</td>
</tr>
</tbody>
</table>
Mandatory Restrictions on Outdoor Water Use

- Over 90% now implementing mandatory restrictions

Water Suppliers Implementing Mandatory Restrictions

<table>
<thead>
<tr>
<th>Month</th>
<th>Compliance Rate</th>
<th>Mandatory Restrictions</th>
<th>No Mandatory Restrictions</th>
</tr>
</thead>
<tbody>
<tr>
<td>June</td>
<td>69%</td>
<td>270</td>
<td>119 69%</td>
</tr>
<tr>
<td>July</td>
<td>72%</td>
<td>292</td>
<td>116 72%</td>
</tr>
<tr>
<td>August</td>
<td>81%</td>
<td>333</td>
<td>76 81%</td>
</tr>
<tr>
<td>September</td>
<td>90%</td>
<td>370</td>
<td>39 90%</td>
</tr>
<tr>
<td>October</td>
<td>91%</td>
<td>369</td>
<td>37 91%</td>
</tr>
<tr>
<td>November</td>
<td>93%</td>
<td>370</td>
<td>28 93%</td>
</tr>
</tbody>
</table>

June July August September October November
Statewide Water Conservation Results

Water Production June-November (Million Gallons)


Over 105 Billion Gallons Saved June – November
Statewide Water Conservation Results

Water Conserved June-November (Billion Gallons)

Over 322,232 Acre Feet Saved June – November
Water Conservation Trend
(compared to previous year)

- June: 4.3%
- July: 7.5%
- August: 11.5%
- September: 10.2%
- October: 6.8%
- November: 9.8%
November Water Production by Hydrologic Region and Percentage Reduction (Million Gallons)

- South Coast: 82,400,000 gallons, 3.2% reduction
- San Francisco Bay: 20,900,000 gallons, 20.9% reduction
- Sacramento River: 18,300,000 gallons, 18.3% reduction
- Tulare Lake: 16,400,000 gallons, 16.4% reduction
- San Joaquin River: 18,600,000 gallons, 18.6% reduction
- Colorado River: 6,700,000 gallons, 6.7% reduction
- South Lahontan: 12,000,000 gallons, 1.2% reduction
- Central Coast: 20,900,000 gallons, 20.9% reduction
- North Coast: 19,500,000 gallons, 19.5% reduction
- North Lahontan: 7,000,000 gallons, -2.5% reduction

State Average November Reduction: 9.8%
November Weather Conditions
(Select Cities)

Precipitation

Temperature

Precipitation (in)
2013
2014
Eureka
Sacramento
Fresno
Palm Springs
Oakland
Los Angeles
San Diego

Temperature (°F)
2013
2014
Eureka
Sacramento
Fresno
Palm Springs
Oakland
Los Angeles
San Diego
October 2014 Residential Gallons per Capita per Day

- Highest R-GPCD figures > 400
- Lowest R-GPCD figures < 50
- Average November 2014 R-GPCD = 88.97, down from 98.79 last year
- 55 GPCD is the performance standard for indoor use (40 suppliers already reporting less)
- High R-GPCD plus low percentage reduction raises questions about factors inhibiting conservation response
November 2014 Water Conservation Results

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

Percentage Reductions:
- North Coast: 59.4 to 19.5% (19.5%)
- San Francisco Bay: 63.2 to 18.3% (18.3%)
- Central Coast: 71.6 to 20.9% (20.9%)
- South Coast: 91.7 to 18.6% (18.6%)
- San Joaquin River: 92.0 to 25.6% (25.6%)
- Sacramento River: 94.0 to -2.5% (-2.5%)
- North Lahontan: 103.9 to 16.4% (16.4%)
- Tulare Lake: 107.7 to 1.2% (1.2%)
- South Lahontan: 111.3 to 6.7% (6.7%)
- Colorado River: 204.0 to 25.0% (25.0%)

Graph showing water conservation results with specific percentage reductions for each region.
<table>
<thead>
<tr>
<th>Water Supplier</th>
<th>2014 GPCD</th>
<th>2013 GPCD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Riverside City of</td>
<td>102</td>
<td></td>
</tr>
<tr>
<td>California Water Service Company Bakersfield</td>
<td>97</td>
<td>123</td>
</tr>
<tr>
<td>Sacramento County Water Agency</td>
<td>93</td>
<td>126</td>
</tr>
<tr>
<td>Fresno City of</td>
<td>78</td>
<td>92</td>
</tr>
<tr>
<td>Los Angeles Department of Water and Power</td>
<td>77</td>
<td>83</td>
</tr>
<tr>
<td>Stockton City of</td>
<td>76</td>
<td>93</td>
</tr>
<tr>
<td>Sacramento City of</td>
<td>74</td>
<td>93</td>
</tr>
<tr>
<td>San Jose Water Company</td>
<td>67</td>
<td>82</td>
</tr>
<tr>
<td>San Diego City of</td>
<td>65</td>
<td></td>
</tr>
<tr>
<td>Santa Rosa City of</td>
<td>49</td>
<td>69</td>
</tr>
<tr>
<td>San Francisco Public Utilities Commission</td>
<td>45</td>
<td>49</td>
</tr>
<tr>
<td>Santa Cruz City of</td>
<td>41</td>
<td>57</td>
</tr>
<tr>
<td>California-American Water Company Monterey...</td>
<td>42</td>
<td>51</td>
</tr>
</tbody>
</table>
Noteworthy November 2014 Conservation Achievements

Conservation greater than 20% and R-GPCD less than 70 gallons

• East Bay Municipal Utilities District
• Coastside County Water District
• Dublin San Ramon Services District
• Santa Rosa, City of
• Valley of the Moon Water District
• North Marin Water District
• Windsor, Town of
• Napa, City of
• Alameda County Water District
• Amador Water Agency
• California Water Service Company Oroville
• Soquel Creek Water District
• California Water Service Company King City
• California Water Service Company Marysville
• Westborough Water District
• Mountain View, City of
• Santa Cruz, City of
• Marina Coast Water District
• Gilroy, City of
• Rohnert Park, City of
November R-GPCD By Population

- >200 R-GPCD, 685,880, 2%
- <55 R-GPCD, 2,857,578, 8%
- 55-75 R-GPCD, 10,581,926, 30%
- 75-100 R-GPCD, 12,501,996, 36%
- 100-150 R-GPCD, 7,056,951, 20%
- 150-200 R-GPCD, 1,261,946, 4%
Next Steps

• Work with suppliers to achieve compliance with emergency regulation
• Evaluate recommendations from December 17 workshop and written comments
• Potentially extend and/or augment current emergency regulation before April 2014 expiration date
• Improve communication with public and water suppliers.
Sharing Information

- DRINC Portal
  https://drinc.ca.gov/dnn/Applications/UrbanWaterR-GPCD.aspx

- Pacific Institute

- All Data Available @:
Urban Water Supplier Monitoring Reports

- Reports from June through November, 2014
- Almost 100% reporting (some are late)
- Last submitted monthly report used for analyses
Urban Water Supplier R-GPCD

- Calculation of R-GPCD from submitted data
- Selection of supplier
- Graphical representation of R-GPCD and water use reduction
- Comparison of regional and state averages
Carmichael Water District Water Use Reduction
From Last Year Versus Other Averages by Month
Cumulative Reduction: 20.5 Percent (%)
Questions?

URL: http://drinc.ca.gov
Application: Urban Water R-GPCD