Welcome and Introductions

• Name
• Organization
• New Year’s Resolution?

I just ran 5 miles and what a workout. I didn't think that ice cream truck would ever stop.
Agenda

• November 2015 Notes
• Budget and Grants Update
• Drought Continues...
• Mini Discussion: Customer Water Reports
• Urban Water Management Plans
• Informational Presentation
• Optional Lunch- El Tapatio
November 2015 Meeting Notes

- Motion for approval
- Post to RWA website
Grant Update

• Wrapping up Prop 84 Round 2
  – Direct Installs, Waterfluence, Rebates
• Starting Water Energy Grant ($2.5 M)
  – Sharon to help
  – Direct Installs, CII reimbursement, showerhead distr.
• Prop 84 Round 3 ($810,000)
  – Recommended for award
  – Advanced Customer Systems, Water Loss, Public Outreach
Budget Update

• Reserves used for floating grant programs
  – Future grants may need funding pot
• Official budget meeting is March
• Requesting a 6% increase in dues ($25,000)
  – No increase last year
  – Powerhouse Science Center
  – Lay off reserve funding
  – Consulting budget
  – Partial salary costs into RWA budget
The Drought Continues...

Regional Water School

• 10 classes since July 2015
• 73 students (63 for violations)
• Upcoming Classes
  – January 27th in Rocklin
  – February 17th in Lincoln
• More classes?
The Drought Continues...

Main Winter Messages

• Sprinklers off till Spring
• Don’t water during or 48 hours after rain
• Upgrade fixtures with WaterSense products
The Drought Continues...

Extended Public Outreach Plan

• Continuing Cap Radio (Jan-Feb)
• Continuing Google and Facebook ads (Jan-Feb)
• Consistant with winter messages
• Using SOW visuals for online ads
• Saving remaining $30,000 for later in 2016
The Drought Continues...

State Water Board Emergency Regulations

• Current regs expire mid-February
• New Executive Order to extend regs until Oct.
• New draft regs released in mid-January
• Expected approval at February State Water Board meeting

REGIONAL WATER EFFICIENCY PROGRAM
The Drought Continues...

New Draft Emergency Regulations Framework

• Adjustments for increased equity
  – YES-Climate, growth, drought resilient supplies
  – NO-Recycled water, groundwater, regional compliance
  – Climate adjustment – all RWA agencies get 4%
  – Cap at 4% per agency

<table>
<thead>
<tr>
<th>Deviation from Average ET</th>
<th>Reduction in Conservation Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>&gt;20%</td>
<td>4%</td>
</tr>
<tr>
<td>10 to 20%</td>
<td>3%</td>
</tr>
<tr>
<td>5 to &lt;10%</td>
<td>2%</td>
</tr>
</tbody>
</table>
Zones 13 and 14
The Drought Continues…

Water Savings

As of November, all agencies are within 5% of their cumulative targets. Saved 47 billion gallons or enough to serve 341,000 households for a year.
The Drought Continues...


- Average Precipitation
- 2015 Precipitation
- 2013 Precipitation
- Average Temperature
- 2015 Temperature
- 2013 Temperature

(X%) Regional monthly water saving compared to 2013.
November 2015 savings (30.7 billion gallons) is two times greater than November 2014 savings (15.8 billion gallons).
Statewide, November 2015 was cooler and wetter than November 2013.

Data Source: U.S. Climate Data [http://www.usclimatedata.com]
The CA Precipitation Situation: 5 Station Index

How full is our 5 gallon bucket now? (As of January 1, 2016)

Every Water Year (Oct 1-Sept 30), the 5 Station Central Sierra Index averages 40.8” of water and is a good indicator of water supply in San Joaquin valley.

Note: NorCal’s “Wet Season” is Oct - April

Map showing the 5 Stations and area it impacts

5 Gallon Bucket: represents the 40.8” we need this coming year plus the deficits from the past 4 water years 72.45” (113.25” total)

Red Arrow: What we need in the next year to reach normal precipitation in 2015-2016 WY AND make up the deficits since 2011-2012 WY

Blue shading: Where we are now ~14% full (15.8”)
Cool Season Turf & Watershed Plants
Water Needs vs. Avg. Annual Rainfall for the Sacramento Region

<table>
<thead>
<tr>
<th>Month</th>
<th>Rain Fall (gal/1,000 sqft)</th>
<th>CST Water Needs (gal/1,000 sqft)</th>
<th>DTP Water Needs (gal/1,000 sqft)</th>
</tr>
</thead>
<tbody>
<tr>
<td>JAN</td>
<td>564</td>
<td>477</td>
<td>205</td>
</tr>
<tr>
<td>FEB</td>
<td>539</td>
<td>751</td>
<td>322</td>
</tr>
<tr>
<td>MAR</td>
<td>430</td>
<td>1,489</td>
<td>638</td>
</tr>
<tr>
<td>APR</td>
<td>178</td>
<td>1,892</td>
<td>811</td>
</tr>
<tr>
<td>MAY</td>
<td>104</td>
<td>2,843</td>
<td>1,218</td>
</tr>
<tr>
<td>JUN</td>
<td>31</td>
<td>3,268</td>
<td>1,401</td>
</tr>
<tr>
<td>JUL</td>
<td>6</td>
<td>3,494</td>
<td>1,497</td>
</tr>
<tr>
<td>AUG</td>
<td>6</td>
<td>3,099</td>
<td>1,328</td>
</tr>
<tr>
<td>SEP</td>
<td>44</td>
<td>2,292</td>
<td>982</td>
</tr>
<tr>
<td>OCT</td>
<td>146</td>
<td>1,471</td>
<td>631</td>
</tr>
<tr>
<td>NOV</td>
<td>326</td>
<td>712</td>
<td>305</td>
</tr>
<tr>
<td>DEC</td>
<td>564</td>
<td>404</td>
<td>173</td>
</tr>
</tbody>
</table>

Maximum Applied Water Allowance (gallons per 100 square feet)
Regional HET/ULFT Saturation Study

• Several agencies are interested
• Potential opportunity for joint funding
• Pre 1992 single family homes, multi-family apartments and restaurants & gas stations
• Proposal for RWA be lead agency to select a consultant
• Completed by early/mid summer 2016
Regional Mulch Madness

• Expand PCWA’s mulch madness event
• Mulch Madness Day in May
• RWA to coordinate media and promotion
• Local partnerships to get mulch
• Who is interested?
• Form a committee?
Coming soon…

- Potential sponsor for decorating contest in partnership with SacBee
- Public Information Officer meeting
- 2016 tool kits for public outreach
Stretch Break
Mini Discussion: Customer Reports

- Are these working?
- Customer feedback?
- Lots of companies - WaterSmart, Dropcountr, Aiqueous, Smart Utility Systems, etc. Is there confusion?
- Regional contracts?
Urban Water Management Plans

- **DUE:** July 1, 2016
- Draft Guidebook posted on DWR website
  - Final to be posted this month
- Metering, water shortage contingency plans and public education and outreach
- Update opportunities
  - Population
  - Target/target method
## Water Shortage Stage Template

<table>
<thead>
<tr>
<th>Stage</th>
<th>Public Announcement Stage Name</th>
<th>Recommended Conservation (Water Use Reduction)</th>
<th>Suggested Actions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Normal</td>
<td>Normal Conditions</td>
<td>Use Water Efficiently</td>
<td>Fix leaks or faulty sprinklers promptly within X days.</td>
</tr>
</tbody>
</table>

### Water Shortage Contingency Plan Regional Tool

- **Water Alert**
  - Up to 20% of normal use
  - Fix leaks or faulty sprinklers within X days.
  - Require restaurants to only serve water to customers on request.
  - No restrictions on landscape watering with non-potable water.
  - Up to 3 days per week turf watering when using potable water. Plant containers, trees, shrubs and vegetable gardens may be watered additional days using only drip irrigation or hand watering.

### Water Shortage Contingency Plan Regional Tool

- **Water Crisis**
  - Up to 40% of normal use
  - Fix leaks or faulty sprinklers within X days.
  - No new restrictions for pools will be issued.
  - No new landscape installations or renovations will be permitted.
  - Any new users for watering during an establishment period will be revoked.

- **Water Emergency**
  - Up to 50% of normal use
  - Water use for public health and safety purposes only.
DWR Population Tool

- Especially useful for non-municipal systems
- Registration required
- Need help, call us
Reporting Energy Intensity (EI)

- Voluntary reporting
- SMUD study established EI for most agencies
- Need help, call us
Informational Presentation

Speaker: Bob Siebenhaar
Company: Siebe Innovations
Product: Shower Bootie
Website: myshowerbootie.com
Time: 10 minutes
Northern CA Home & Garden Expo

January 29th-31\textsuperscript{st} 2016
Cal Expo, Sacramento

RWA will have a booth.

We need volunteers!!!
Free admission and parking
Sign up today!
Announcements and Events

California Irrigation Institute Conference
January 25-26th 2016
Hilton Sacramento Arden West
$125 1 day, $200 full conference
CEUs available
www.caii.org/
Celebrating 15 years
Next RWEPAC Meetings

<table>
<thead>
<tr>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>January 12, 2016</td>
</tr>
<tr>
<td>March 8, 2016</td>
</tr>
<tr>
<td>May 10, 2016</td>
</tr>
<tr>
<td>July 12, 2016</td>
</tr>
<tr>
<td>September 13, 2016</td>
</tr>
<tr>
<td>November 8, 2016</td>
</tr>
<tr>
<td>December 13, 2016</td>
</tr>
<tr>
<td>January 10, 2017</td>
</tr>
</tbody>
</table>