Potable Reuse via Surface Water Augmentation:
Issues and Opportunities for Bay Area Agencies

Workshop: Friday, December 4, 2015, 1:00 – 4:30 PM

Amador Ranch Center at Rancho San Ramon Community Park
2000 Rancho Park Loop Rd., San Ramon, CA, 94583

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>1:00 – 1:15</td>
<td>Welcome – Curtis Lam, President, Northern California WateReuse, HydroScience</td>
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<td>1:15 – 1:30</td>
<td>Surface Water Augmentation Background - Tom Richardson, RMC Water and Environment</td>
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<td>1:30 – 1:45</td>
<td>WateReuse Statewide Efforts - Jennifer West, WateReuse California</td>
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<td>1:45 – 2:15</td>
<td>Pending Draft SWA Regulations Opportunities - Toby Roy, San Diego County Water Authority</td>
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<td>2:15 – 2:45</td>
<td>San Diego’s Reservoir Augmentation Projects - Jeff Pasek, City of San Diego Public Utilities</td>
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<td>3:00 – 3:30</td>
<td>The Silicon Valley Advanced Water Purification Center &amp; Potable Reuse Opportunities - Pam John, SCVWD</td>
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<td>3:30 – 3:45</td>
<td>Bay Area SWA Survey Results - Linda Hu, EBMUD</td>
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<td>3:45 – 4:15</td>
<td>Additional Q&amp;A</td>
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<td>4:15 – 4:30</td>
<td>Closing Remarks</td>
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Surface Water Augmentation - Background

Tom Richardson, P.E.
RMC Water and Environment
World of Potable Reuse

**Groundwater Recharge**
- Title 22 or Advanced Treatment
- Groundwater Basin
- Groundwater Treatment (Optional)
- Water Consumers

**Surface Water Augmentation**
- Advanced Treatment
- Reservoir
- Potable Water Treatment Plant
- Water Consumers

**Source Water DPR**
- Advanced Treatment
- Small Reservoir or Raw Water System
- Potable Water Treatment Plant
- Water Consumers

**Flange to Flange DPR**
- Advanced Treatment
- Engineered Storage and/or redundant treatment
- Water Consumers

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RMC
water and environment
Lack of groundwater basin prompted quest for surface water augmentation

Legend
- County Lines
- Groundwater Basin

<table>
<thead>
<tr>
<th>Area</th>
<th>Status</th>
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<tbody>
<tr>
<td>Central/West Basin</td>
<td>✓</td>
</tr>
<tr>
<td>Orange County</td>
<td>✓</td>
</tr>
<tr>
<td>Chino Basin</td>
<td>✓</td>
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<tr>
<td>Upper San Gabriel</td>
<td>✓</td>
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<tr>
<td>San Fernando</td>
<td>✓</td>
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<tr>
<td>Oxnard Plain</td>
<td>✓</td>
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<tr>
<td>San Diego</td>
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Regulating SWA involves Division of Drinking Water (pending reg.) and Regional Board (NPDES)

- Public Health - DDW’s pending draft SWA regulations

- Environmental Protection and State Board policies - Regional Board’s NPDES permit
Purpose of today’s workshop – prepare you to engage in SWA discussion

- **WateReuse Statewide Efforts**  
  Jennifer West, WateReuse California

- **Pending Draft SWA Regulations Opportunities and Issues**  
  Toby Roy, San Diego County Water Authority

- **San Diego’s Reservoir Augmentation Projects**  
  Jeff Pasek, City of San Diego Public Utilities

- **The Silicon Valley Advanced Water Purification Center & Potable Reuse Opportunities**  
  Pam John, Santa Clara Valley Water District

- **Bay Area SWA Survey Results**  
  Linda Hu, East Bay Municipal Utilities District