Item 12: Regional Challenges to Maximizing Recycled Water Production and Use to Achieve a Sustainable Local Water Supply

John Odermatt
Groundwater Protection Branch
Agenda

• Senator Hertzberg opening remarks

• Regional Recycled Water Use

• Question guided panel discussion

• Public Forum – Please fill out speaker cards
Senator Robert Hertzberg
Practical Vision

• Chapter 4 - Proactive public outreach and communication

• Chapter 5 – Sustainable local water supply
Where were we in 2014?

Acre-feet

- Ocean Outfall: 350,000
- Beneficial used: 61,000
- Treated (Sec-Tert): 106,000
Room for improvement ...

Acre-feet

<table>
<thead>
<tr>
<th>Year</th>
<th>Value (Acre-feet)</th>
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<tbody>
<tr>
<td>2009</td>
<td>55,000</td>
</tr>
<tr>
<td>2010</td>
<td>42,000</td>
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<tr>
<td>2011</td>
<td>49,000</td>
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<td>2012</td>
<td>57,000</td>
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<tr>
<td>2013</td>
<td>58,000</td>
</tr>
<tr>
<td>2014</td>
<td>61,000</td>
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Recycled Water Policy

Acre-feet

<table>
<thead>
<tr>
<th>Year</th>
<th>Goal</th>
<th>Mandate</th>
<th>R9- Share</th>
<th>Goal</th>
<th>Mandate</th>
<th>R9- Share</th>
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<tbody>
<tr>
<td>2020</td>
<td>1,500,000</td>
<td>869,000</td>
<td>?</td>
<td>2,500,000</td>
<td>?</td>
<td>?</td>
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<td>2030</td>
<td>1,169,000</td>
<td>?</td>
<td>?</td>
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Acre-feet
Panel Discussion and Speakers

Padre Dam MWD
City of San Diego
SOCWA
Dr. Shane Trussell, Trussell Technologies
San Diego County Water Authority
Discussion Topic 1

- What does a sustainable water supply portfolio look like for the San Diego Region?
  - Current?
  - Future?
- Can development of recycled water reduce demands for imported water?
Discussion Topic 2

- What challenges must be overcome to significantly increase recycled water production and reuse in the San Diego Region and how should they be addressed?

- How can the Regional/State Water Boards assist the recycled water agencies?
Discussion Topic 2 (cont’d)

- Challenges …
  - Regulatory
  - Technical
  - Geographic and Physical
  - Cost/Affordability
  - Public Acceptance
  - Wrap up and summary
Discussion Topic 3

What opportunities are agencies considering to maximize storm water as a resource?
Public Forum

- Speaker cards to Water Board staff
- Public comment
Finale ...

Thanks for coming!