San Diego's Water Supply Situation

San Diego IRWM Regional Advisory Committee
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Three Challenges Influencing our Current Water Supply Situation

1. Regulatory
   - Pumping restrictions limit imported water deliveries from State Water Project

2. Drought
   - Last three years in California
   - 8 of last 10 on the Colorado River

3. Low storage levels

Fish Protections Restrict Pumping

Delta smelt
Longfin smelt
Green sturgeon
Central Valley steelhead
Banks Pumping Plant
State Water Project
Chinook salmon

Delta Smelt Water Supply Impacts

Reductions in water supplies from the State Water Project due to Delta smelt pumping restrictions

<table>
<thead>
<tr>
<th>Year</th>
<th>Drier Years</th>
<th>Wetter Years</th>
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<tbody>
<tr>
<td>2006</td>
<td>315,000 AF</td>
<td>585,000 AF</td>
</tr>
<tr>
<td>2007</td>
<td>43% lost</td>
<td>44% lost</td>
</tr>
<tr>
<td>2008</td>
<td>44% lost</td>
<td>43% lost</td>
</tr>
<tr>
<td>2009</td>
<td>42% lost</td>
<td>43% lost</td>
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AF = Acre-feet. One acre-foot = 325,900 gallons.

Statewide Runoff

Figure 3. Statewide runoff for water years 2006, 2007, 2008, and projection as of May 1, 2009
**Lake Oroville Runoff**

*Impact to San Diego County*

- Metropolitan Water District (MWD) allocating supplies starting July 1, 2009
- In response, Water Authority voted to:
  - Utilize 2009 dry-year transfer supplies
  - Allocate supplies to member agencies
  - Declare “Drought Alert”
  - 13% M&I cutback from MWD becomes 8% to agencies due to diversification efforts and dry-year transfer supplies
  - Cuts to agriculture: 13% to 30%

**Local Agency Shortage Actions**

- Local water agencies take differing approaches to reduce demand
  - Mandatory water use restrictions
  - Escalating drought/conservation water rates
  - Setting water “budgets” that determine amount each customer should use
  - Public outreach efforts

**We need to work together**

- Shortage response
  - Take measures to save water now
  - Determine water-use restrictions in your community
- Long-term reliability
  - Adopt permanent ethic of water efficiency
  - Support local water supply reliability efforts
  - Encourage state leaders to fix Bay-Delta

**2020 Water Supplies Portfolio Goals**

- Metropolitan Water District (MWD)
- Conservation
- Groundwater
- Irrigation
- Desalination
- Recycled Water

**Level 2 “Drought Alert” Mandatory Water Use Restrictions**

- Irrigation restrictions
- Leaks
- Washing restrictions
- Restaurants
- Hotels/Accommodations

**WaterSmart Landscape**

A Better Way to Beautiful