Nacimiento Water Project
San Luis Obispo County Flood Control & Water Conservation District
Supplementing the San Luis Obispo Water Supply

Presented By: Tom Trott, P.E.
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Today’s Presentation

The Nacimiento Water Project (NWP)…

• What is it?
• Who is Involved?
• Why is it happening?
• How will it affect lake levels?
• When will it be built?
• What is being built near the dam?
• How will it affect water quality?
Project Overview

• Raw Water Conveyance
• Deliver 15,750 AFY to SLO County communities
• **Intake** (Spec 1) : shaft, tunnel, and intake pipe
• **Facilities** (Spec 2) : 3 pump stations, 3 tanks, and computer control equipment & communications
• **Pipelines** (Specs 3, 4, and 5) : From Intake to Paso Robles (3) to Atascadero (4) to San Luis Obispo (5)
# Project Participants

*The Project Will Deliver Water to Five Participants*

<table>
<thead>
<tr>
<th>Participant</th>
<th>Nacimiento Water Usage (AF/yr)</th>
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<tbody>
<tr>
<td>City of El Paso de Robles</td>
<td>4,000</td>
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<tr>
<td>City of San Luis Obispo</td>
<td>3,380</td>
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<tr>
<td>Atascadero Mutual Water Company</td>
<td>2,000</td>
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<tr>
<td>Templeton Community Services District</td>
<td>250</td>
</tr>
<tr>
<td>County Service Area 10A (Cayucos)</td>
<td>25</td>
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<tr>
<td><strong>Participant Totals</strong></td>
<td><strong>9,655</strong></td>
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| |  
|---|---|
| Reserve Capacity | 6,095 |
| **Nacimiento Total** | **15,750** |
Why the Nacimiento Water Project?
Deliver Water Resources Secured by the District in 1959

- Agreement between Monterey and San Luis Obispo County established entitlement
  - MCWRA owns Nacimiento Reservoir

- Entitlement volume is 17,500 acre-feet per year (AF/yr)
  - Lakeside use is 1,750 AF/yr
  - Nacimiento Water Project use is 15,750 AF/yr

- Highly Reliable Source of Water
  - Last 12,000 AF Belongs to the Project Each Year

Diagram:
- Lake Full 377,900 AF
- Shared Volume Between Monterey County Water Resources Agency (MCWRA) & District
- MCWRA Low Point 22,300 AF
- Last useable 12,000 AF belongs to District
- DEAD STORAGE 10,300 AF
Lake Level Impacts

- Peak Design Flow = 32 CFS = 1904 Acre-Feet/Month
- Overall, evaporation affects lake levels more than the NWP
Intake Pump Station

- **Pump Station**
  - 5 vertical pumps
  - Pump equipment housed in building
- **Intake Structure**
  - 180’ deep shaft
  - 550’ long tunnel
  - Underwater intake portal
- **New Log Boom**
  - CA Dept. of Health Services mandates 500’ radius
  - Lake Area Net Affect:
    - 0.7 net acres out of 5,725 acres
    - Area reduced by 0.01%
Intake Structure Profile
Water Quality

• “Nacitone Group”
  – Engaged stakeholders from both MCWRA and SLO County brought together to review water quality and watershed protection
• SLO County has measured water quality parameters near the Nacimiento Dam since 1993
  – Results: Very good water quality
• Raw water supply for our Participants who will treat at their locations
Questions?
Contact Information

• Monterey County Water Resources Agency
  – 893 Blanco Circle, Salinas, CA 93901
  – Phone: 831.755.4860, FAX: 831.424.7935
  – http://www.mcwra.co.monterey.ca.us

• San Luis Obispo County
  – County Government Center, Room 207
    San Luis Obispo, CA 93408
  – Phone: 805.781.5252, FAX: 805.788.2768
  – http://www.slocounty.ca.gov/pw/nacwp.htm