Sweetwater to Lower Otay Pipeline 3 Relining Project
What is the Water Authority?

- Wholesale water agency created by State Legislature in 1944
  - 24 member agencies
  - 36-member board of directors
  - Serves 3.1 million people and region’s $188 billion economy

- Mission is to provide safe and reliable water supply to member agencies

- Service area
  - 950,000 acres
  - 97% of county’s population
Sources of San Diego County’s Water Supply

San Diego County imports ~70% of its water supply.

State Water Project (Bay-Delta) 28%

Colorado River 44%

Local Supplies and Conservation 28%
Increasing San Diego County’s Water Supply Reliability through Supply Diversification

1991

- Metropolitan Water District: 552 TAF (95%)
- Imperial Irrigation District Transfer: 26 TAF (5%)

Total = 578 TAF

2012

- Metropolitan Water District: 274 TAF (45%)
- Imperial Irrigation District Transfer: 80 TAF (13%)
- All American & Coachella Canal Lining: 70 TAF (11%)
- Conservation (existing and additional): 61 TAF (10%)
- Recycled Water: 24 TAF (4%)
- Seawater Desalination: 18 TAF (3%)

Total = 612 TAF

2020

- Metropolitan Water District: 231 TAF (30%)
- Imperial Irrigation District Transfer: 80 TAF (10%)
- All American & Coachella Canal Lining: 103 TAF (13%)
- Conservation (existing and additional): 44 TAF (6%)
- Recycled Water: 56 TAF (7%)
- Seawater Desalination: 27 TAF (4%)
- Groundwater: 48 TAF (6%)

Total = 779 TAF

TAF=Thousand Acre-Feet
Historic Investments in Infrastructure

- **San Vicente Dam Raise & Related Projects**
  - $909 million

- **Twin Oaks Valley Water Treatment Plant**
  - $179 million

- **Pipeline Relining**
  - $786 million

- **Carlsbad Seawater Desalination Pipeline Projects**
  - $239 million

- **Olivenhain Dam and Reservoir**
  - $198 million

- **All-American & Coachella Canal Lining Projects**
  - $447 million
  - ($190 million from the Water Authority)

- **Lake Hodges Projects**
  - $208 million

- **Pump House Detail**
Pipeline Relining Program

- Relined 34 miles of pipe
- Maintains and protects water-delivery system
- Reinforces aging pipeline with steel
- Fewer impacts on environment & community
- Increases reliability of pipelines
- Recently completed Mission Trails to Lake Murray project
Project Location

- 5.4 miles
- 17 portal locations
- Begins south of Sweetwater Reservoir in Bonita, west of SR 125
- Continues south through Chula Vista
- Ends just south of Lower Otay Lake, east of the water treatment plant
Project Schedule

- Construction: Fall 2013 through Mid-2014
  - Clearing & grubbing: Sept. – Nov. 2013
  - Relining activities: Nov. 2013 – June 2014
  - Site restoration: July 2014
Community Outreach

- Community meetings
  - Open house events
    - July 17 (Eastlake High School)
    - July 18 (Eastlake Elementary School)
    - 6–7:30 p.m.
- Postcards & letters
- Doorhangers
- Information line
  - (877) 682–9283, Ext. 7005
- Web page
  - www.sdcwa.org/SouthBayRelining
Stay in Touch with the Water Authority

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