



Engineering, Operations, & Technology Committee

# Management Announcements and Highlights

Item 7a

November 18, 2024

# Engineering Services

# Diamond Valley Lake Wave Attenuator Replacement

- Construction contract - \$7.84 M
- Demolition of courtesy dock complete
- Overall - 40% complete
- Expected construction completion – Summer 2025



Assembling Modular Flexi-Float Barge System



Courtesy Dock Segment Removal



# METWORKS Event – Focusing on Member Agencies

- In-Person Event
- Date: October 17, 2024
- 550+ Attendees
- Location: Anaheim, CA



“Thank you for hosting this event. It is truly a powerful way to bring designers and constructors together with owners! I saw several small businesses that do great work for the City of Anaheim. I hope they were able to connect with the other public agencies to seek future opportunities.” **Jake Hester, Water Engineering Manager, Anaheim Public Utilities**

# Engineering Operations & Technology Annual Field Inspection Trip

- Thursday Nov 7, 2024
- Locations visited
  - Mills Water Treatment Plant
  - Diamond Valley Lake
  - DWR's Devil Canyon Power Plant
- Focused on drought-resiliency & infrastructure reliability projects



2024 EO&T Field Inspection Trip – DVL



# WINTER Gala

- Women In Non Traditional Employment Roles
- Mission: "Train, educate, and prepare women for transformative careers in the construction industry."
- Several women from ESG Construction Management attended



# Los Angeles County's Morris Dam - 90<sup>th</sup> Anniversary Ceremony

- Morris Dam awarded the National Historic Civil Engineering Landmark
  - October 16, 2024
- Project named after its engineer Samuel B. Morris of the Pasadena Water Department
- Owned by Metropolitan from 1941 to 1995



Director Mark Pestrella (Los Angeles County Public Works),  
President Marsia Geldert-Murphey (ASCE),  
Director John Morris

# Water System Operations



# Managing State Water Project Supplies

## Current Operational Conditions

- 2024 SWP Allocation at 40%
- CRA at 7-pump flow
- Deliveries to DWCV at ~750 cfs
- Deliveries to CUP and Cyclic ongoing
- SWP blend targets
  - November: 50% at Weymouth and Diemer (11/12-11/25); 25% at Skinner
  - December: 0% at Weymouth, Diemer, and Skinner
- November 2024 deliveries trending 118 TAF, which is 3 TAF higher than November 2023

# Managing State Water Project Supplies

November  
2024  
Operations

Manage SWP supplies to meet storage goals

400 TAF Carryover Target

Fill Diamond Valley Lake

Minimize West Branch

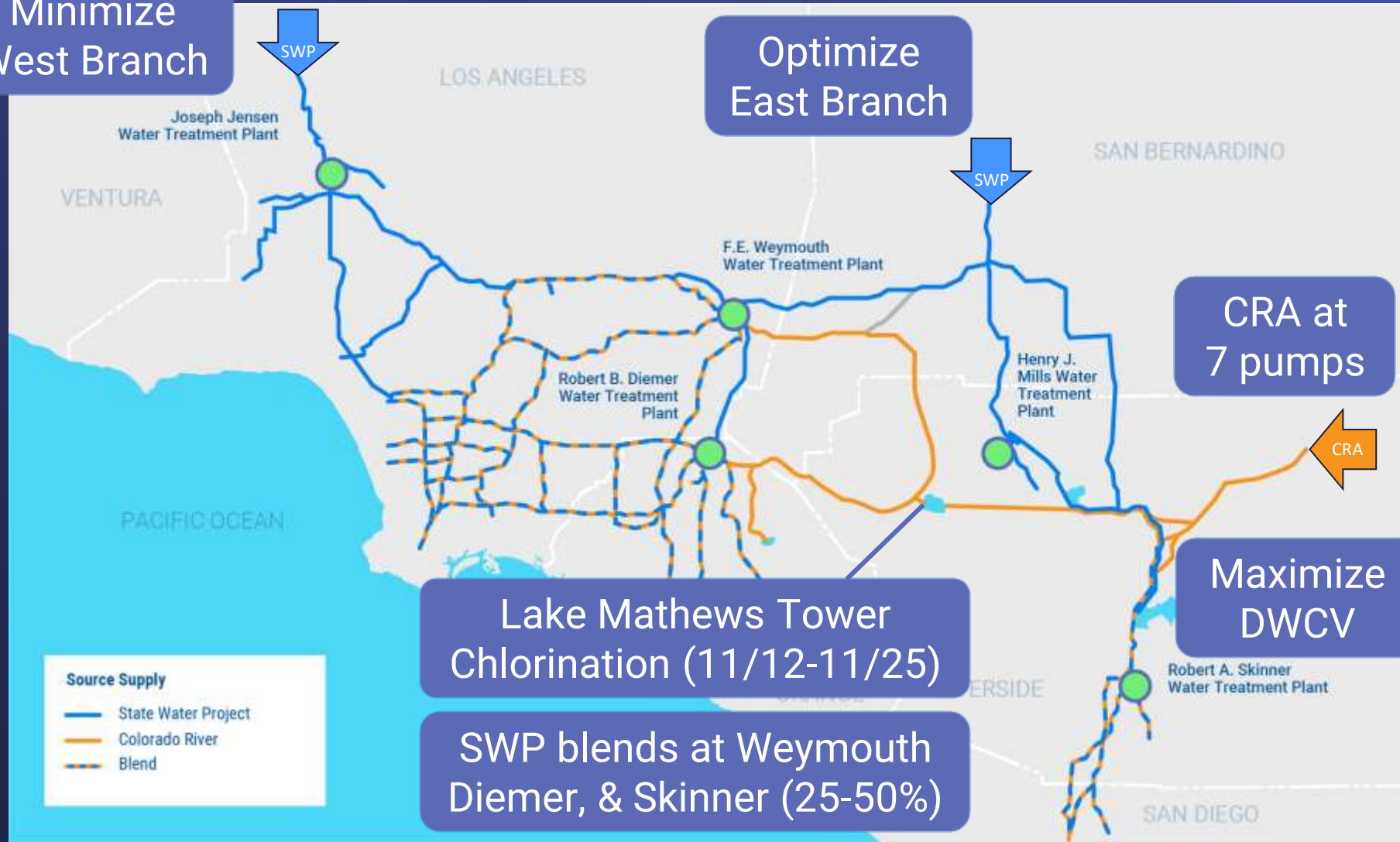
Optimize East Branch

CRA at 7 pumps

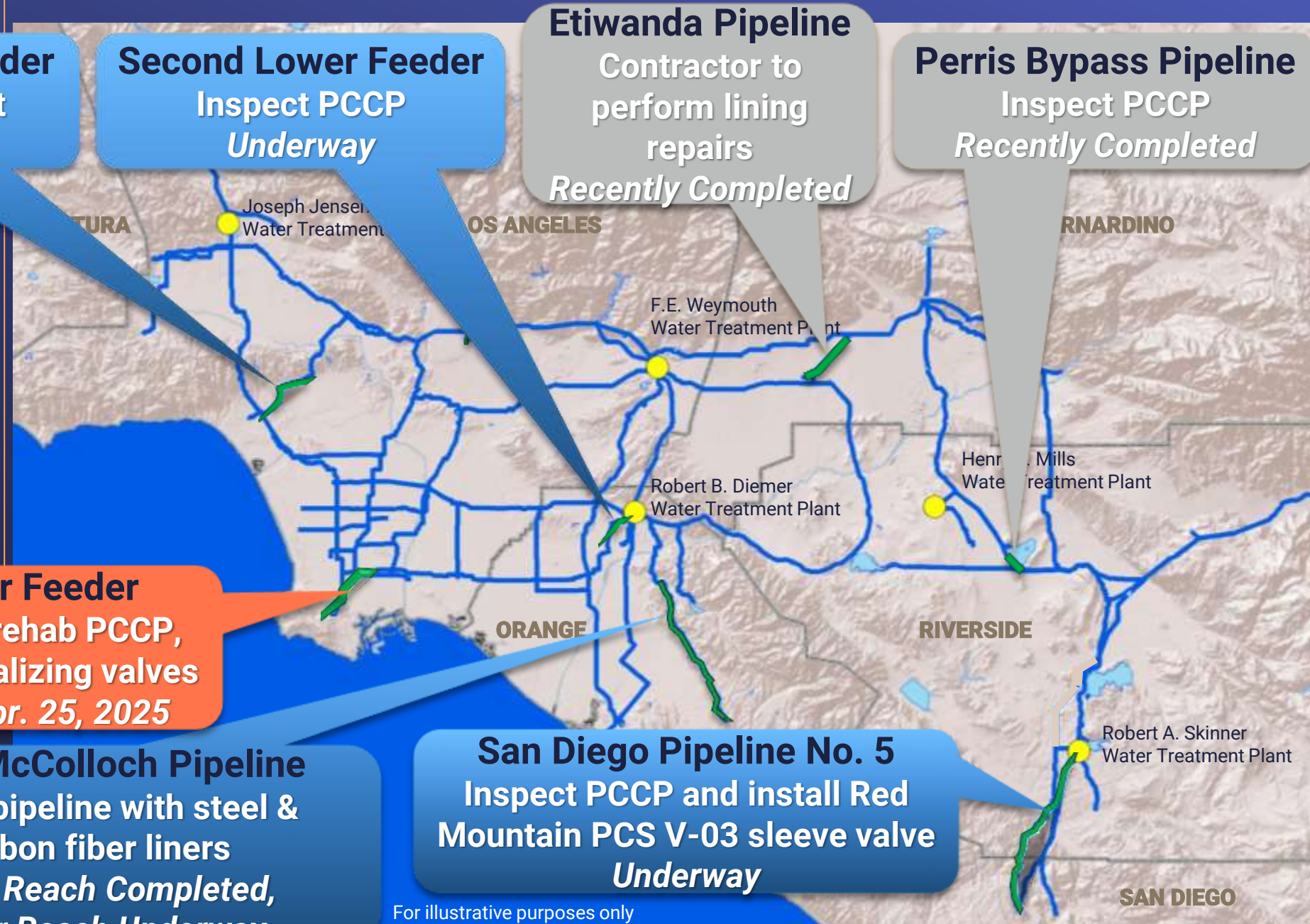
Maximize DWCV

Lake Mathews Tower Chlorination (11/12-11/25)

SWP blends at Weymouth Diemer, & Skinner (25-50%)



# Ensuring Continued System Reliability



**Santa Monica Feeder**  
Pipe realignment  
*Underway*

**Second Lower Feeder**  
Inspect PCCP  
*Underway*

**Etiwanda Pipeline**  
Contractor to perform lining repairs  
*Recently Completed*

**Perris Bypass Pipeline**  
Inspect PCCP  
*Recently Completed*

**Second Lower Feeder**  
Install bulkhead, rehab PCCP, and install sectionalizing valves  
*Dec. 2, 2024 – Apr. 25, 2025*

**Allen-McColloch Pipeline**  
Repair pipeline with steel & carbon fiber liners  
*Upper Reach Completed, Lower Reach Underway*

**San Diego Pipeline No. 5**  
Inspect PCCP and install Red Mountain PCS V-03 sleeve valve  
*Underway*

For illustrative purposes only

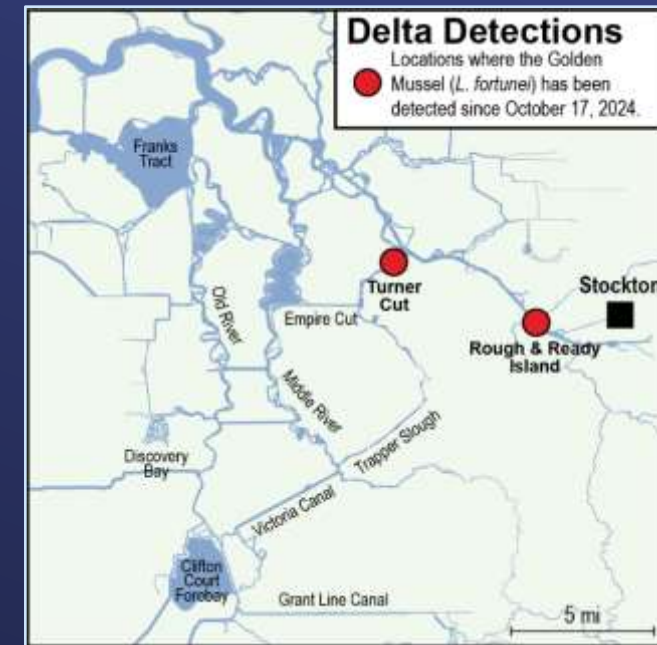


# New Invasive Mussel in California

- Detected at two locations within the Delta and at O'Neill Forebay in late October 2024
  - First detection in North America
- Similar impact as quagga mussels
  - Clog intakes, pipes, filters, and alter ecosystems
- Monitoring program expanded to include golden mussels
- Working with partners to assess control options in SWP
- Comprehensive invasive mussel update at January EO&T

## Golden Mussels in the Delta

- Native to China and Southeast Asia
- Spread to at least nine other countries between 1960 and 2006

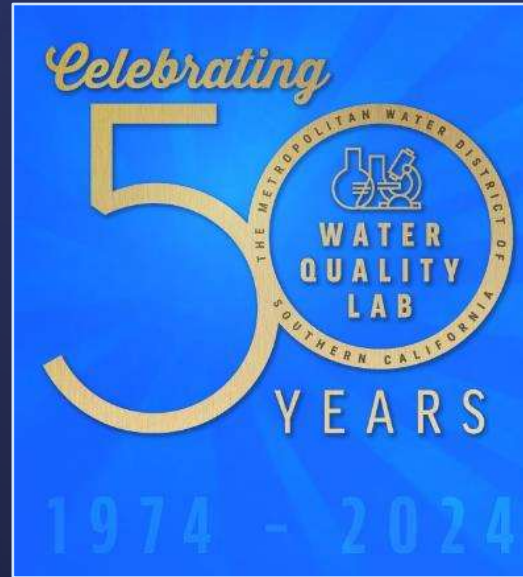


# Celebrating 50-Year Anniversary of Water Quality Section



- About 100 guests and staff
- Recognized formation of Metropolitan's Water Quality Section and passing of the Safe Drinking Water Act in 1974
- Honored former Director of Water Quality Dr. Michael J. McGuire

Water Quality Laboratory - October 24, 2024



# Information Technology

No update for this period



