



Engineering, Operations, & Technology Committee

Management Announcements and Highlights

Item 7a

July 7, 2025

Engineering Services

2025 Engineering Services Group – College Intern Program



- Opportunity for Sophomore/Junior/Senior engineering students to gain experience in design, project management, construction contracts, or construction management
 - Approx. 293 students since inception
- Majors of this year's interns include:
 - Civil Engineering
 - Mechanical Engineering

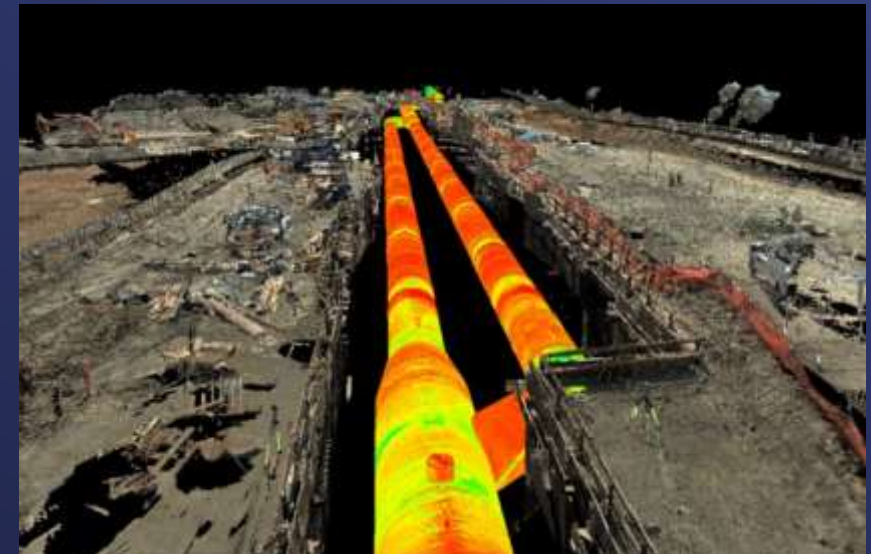
Left to Right: Edward Delano, Elise Weckwerth, Dalia Lopez, Hannah Chuabanlue, Cristian Rodriguez, Jayson Serrano, Angel Navarro, Lorenzo Mangantulao, and Kenneth Rodriguez (not in picture)

Envision Silver for Casa Loma Siphon Seismic Upgrade

- Construction Contract
 - Board Award Date - December 2021
 - Completed - 2023
 - Contract Amount - \$11.5 M
- Replaced a portion of Barrel No. 1 with earthquake-resistant pipe



- Quality of Life
- Leadership
- Climate & Resilience
- Natural World
- Innovate Credit



Henry J. Mills Water Treatment Plant Electrical Upgrades, Stage 2 Completed

- Construction Contract
 - Complete June 2025
 - Contract Amount – \$9.2 M
- Expanded ORP Switchgear building
- Added incoming 12kV service
- Upgraded the 4,160 V main switchgear & standby generator switchgear



Business Outreach & Community Engagement

- Outreach to professional communities
- Participated in scholarship event organized by Asian American Architects & Engineers (AAa/e) Association in June 2025
- Featured Howard Lum provided presentation entitled, *"Big things coming from MWD for Southern California"*
- Included updates on capital projects for improving sustainability, supply reliability & seismic resilience



Developer's Shoring Failure Near Santa Monica Feeder



Santa Monica Feeder

Location of Failed Shoring

- Developer's contractor placed shoring for construction of underground parking structure parallel to Santa Monica Feeder
- Feeder removed from service on 6/26 upon notification of shoring failure
- Staff coordinating with contractor to stabilize shoring
- Staff conducted initial pipeline inspection on 6/28
- Condition assessment underway
- Developer put on notice



Water System Operations

Managing State Water Project Supplies

Current Operational Conditions



CRA at 7-pump flow

- 2025 SWP Allocation at 50%
- CRA at 7 pump flow
- Deliveries to DWCV at 700 cfs
- Deliveries to Cyclic programs
- SWP blend targets are 40% at Weymouth, Diemer, and Skinner
- June 2025 deliveries are trending at 137 TAF, which is 34 TAF higher than June 2024

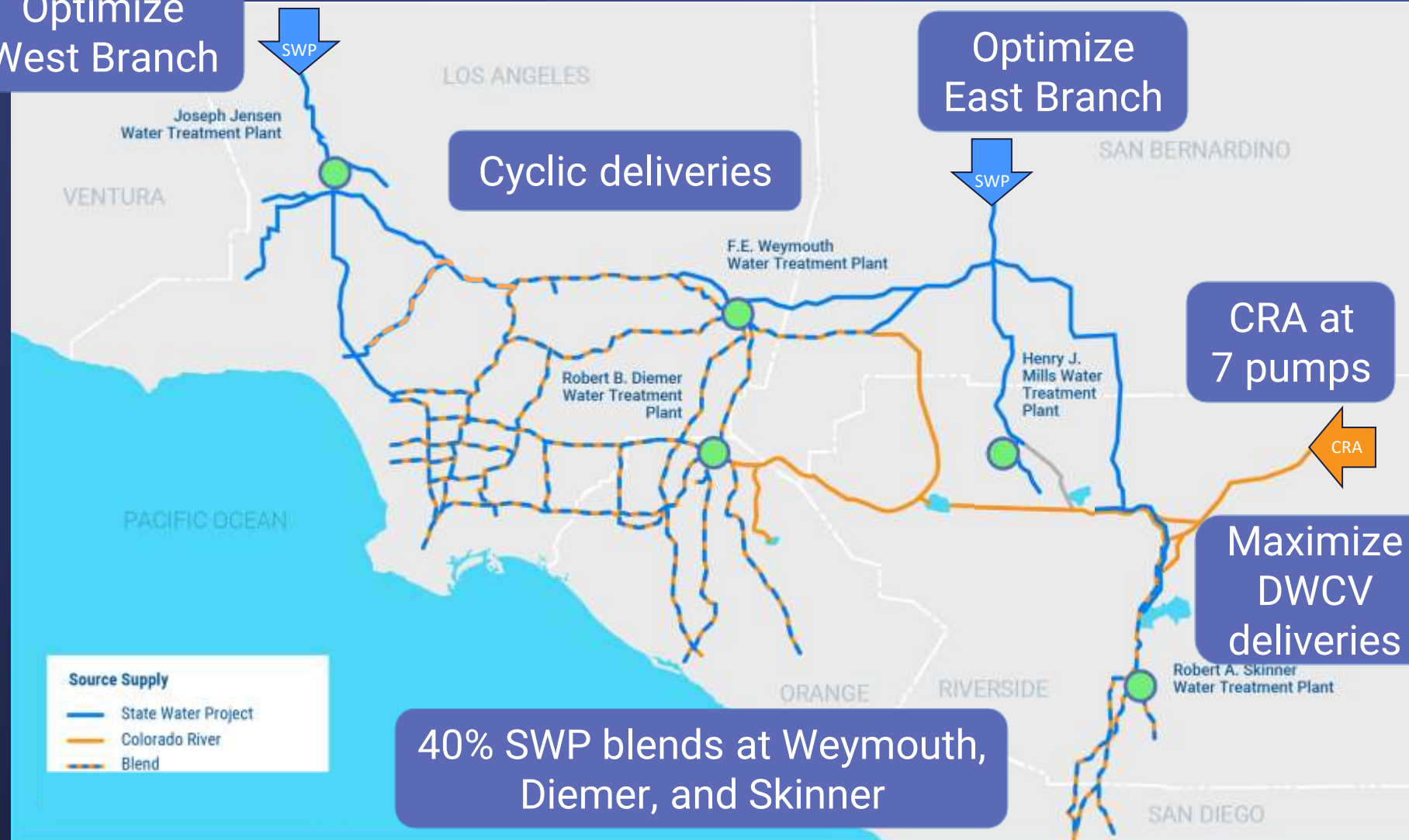
Managing State Water Project Supplies

July 2025
Operations

*Balancing SWP supplies
with CRW supplies*

*Planning increased
Carryover storage to
support SWP
Dependent Area*

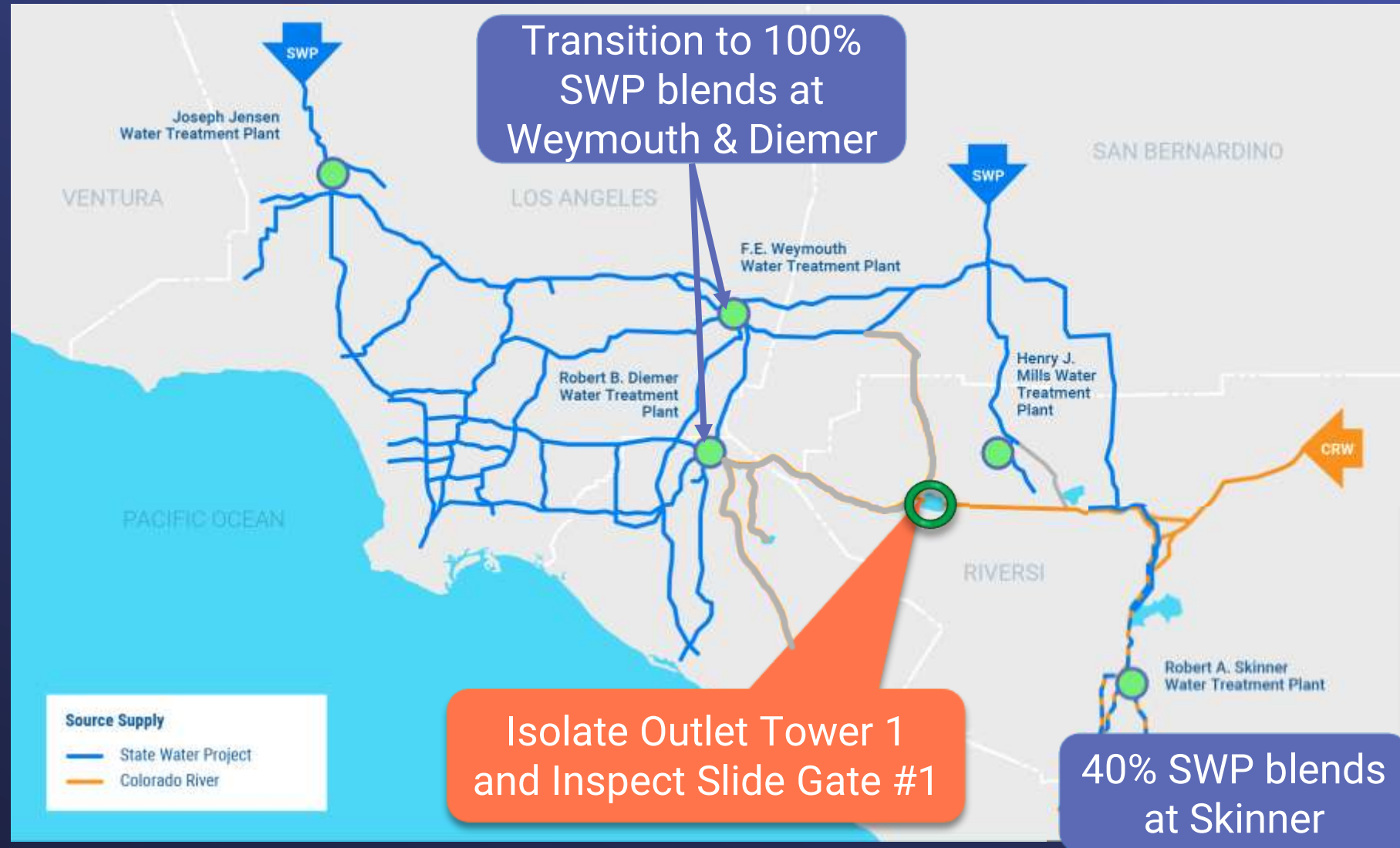
Optimize
West Branch



Lake Mathews Shutdown

5-Day
Shutdown
July 14 or 21

*Continued coordination
with member and retail
agencies*



Member Agency Water Quality Managers Nitrification Workshop



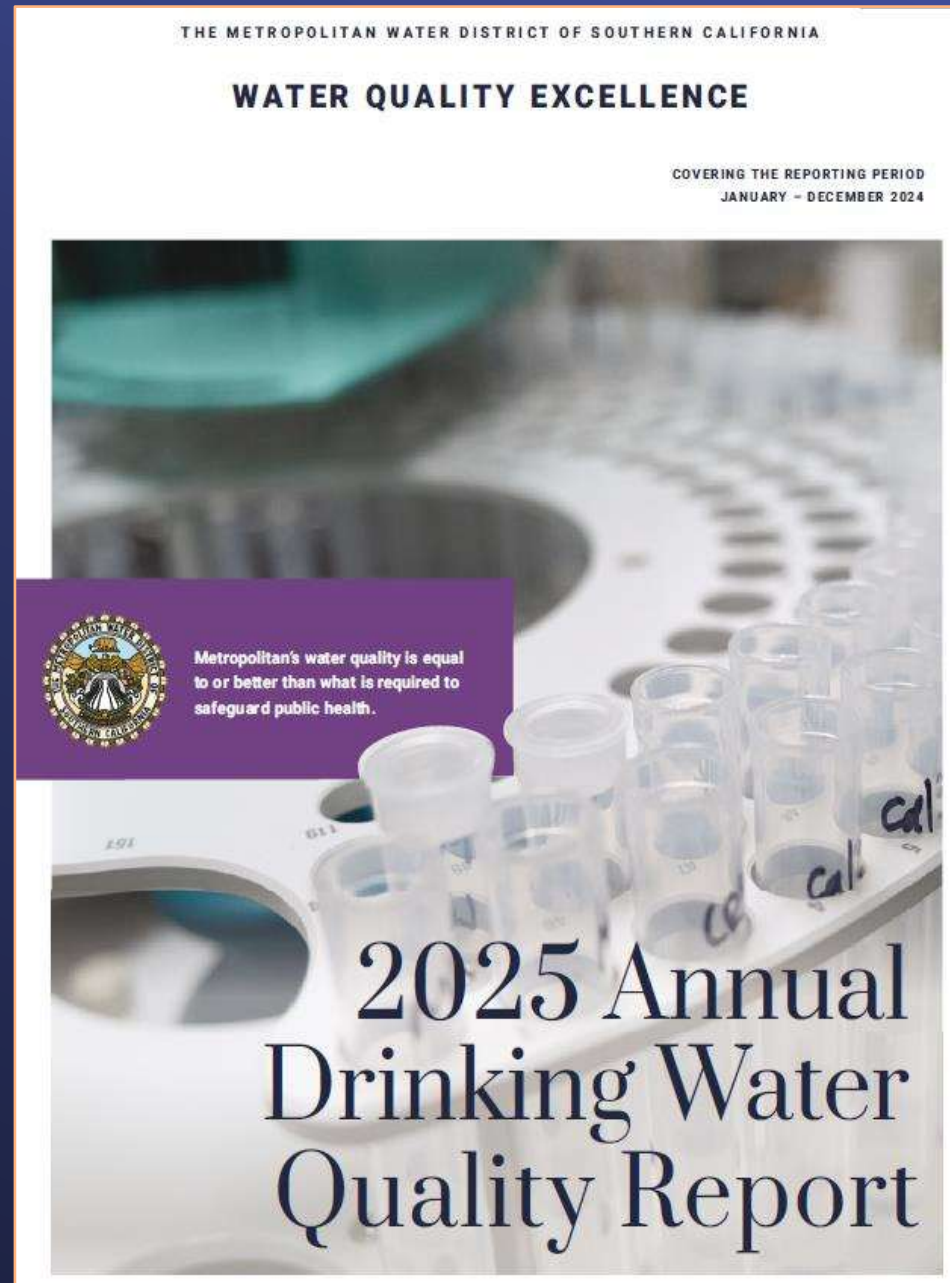
June 26, 2025

- Presentations by Water Quality staff and an industry expert
 - Information on microbiology of nitrification and chloramine chemistry in treatment and distribution of water
 - Agency responses to nitrification survey and Metropolitan's Nitrification Taskforce actions
- In-person at Metropolitan's Water Quality Laboratory and online
- ~120 participants from over 40 agencies and state regulators

Posted on
Metropolitan's website
July 1, 2025

Annual Water Quality Report

Metropolitan's water
quality is equal to or
better than what is
required to safeguard
public health



Partnering with California Air Resources Board

Transitioning to Zero-Emission Vehicles

- Meeting on June 17 at the Weymouth Plant
- Included CARB Mobile Source Division chief, assistant chief, section manager and others
- Shared Metropolitan's mission, critical need for maintenance and emergency response, fleet examples and challenges, and commitment to Climate Action Plan
- Improved mutual understanding and partnership



June 17, 2025

Water Quality Co-Op Education



Kiana Cypert

Training Tomorrow's Workforce

- Cal Poly Foundation paid internship program started in early 1980s
 - Sophomore/junior/senior students in science and engineering from accredited universities
 - Bridging gap between theoretical study and professional world
- Over 300 students since inception
 - Over 30 became full-time employees, several as managers
- Opportunity for Metropolitan staff to develop leadership and management skills



Carissa Valenzuela



Arshia Bose

Integrated Operations Planning & Support Services Group - College Intern Program



Connor Jordan – Power Operations & Planning

Experience includes prior internship with the largest investor-owned utility in NV

- B.S. in Electrical Engineering, University of Nevada, Reno
- Master's in Computer Science, USC (currently attending)

Information Technology

LA Times Leadership Awards - Finalist

Charles Eckstrom – Chief Information Officer

- One of six finalists for top CIO for large companies
- Recognized for his accomplishments in spearheading major advancements in cybersecurity, infrastructure modernization and resiliency, and digital transformation



LA Times STUDIOS
LA EXECUTIVE
Forum & Leadership Awards

2025 NOMINEE



May 12 | Fairmont Miramar
Santa Monica

Charles Eckstrom
Chief Information Officer

Metropolitan Water
District of Southern California

latimes.com/laexec

2025 Information Technology Group – College Intern Program

Opportunity for college students and recent graduates to gain professional experience

Students from their respective universities represented in this year's intern cohort:

- Niraj Bhatta – Southeastern Louisiana University – *Computer Science*
- Kevin Chen – Harvey Mudd College – *Computer Science*
- Hahn Nguyen – University of California, Irvine – *Computer Science*

