

#### Engineering, Operations, & Technology Committee

# Management Announcements and Highlights

Item 7a July 8, 2024

# **Engineering Services**

## Pure Water Southern California Panel at ACE(24)



Left to Right: Kim Wilson, Rupam Soni, Gloria Lai-Bluml, Heather Collins (AWWA Board President-Elect), Bruce Chalmers, and Derek Zondervan (LACSD)

### Garvey Reservoir Rehabilitation Projects Outreach to City of Monterey Park







Presentation by Sam Mouawad to Monterey Park City Council

Site tours with city council members & city staff

## 2024 Engineering Services Group – College Intern Program



- Opportunity for Junior/Senior engineering students to gain experience in design or construction management
  - Approx. 284 students since inception
- Majors of this year's interns include:
  - Chemical Engineering
  - Civil Engineering
  - Electrical Engineering
  - Environmental Engineering
  - Mechanical Engineering

Left to Right: Chris Garcia, Erick Estrada Perez, Amornwat Kitsiri, Matthew Sanchez, Jad Darwish, Geovanni Reynoso, Summer Minter, Avianah Butler, Alyssa Lee, and Theodore Nguyen

# Water System Operations

Current Operational Conditions

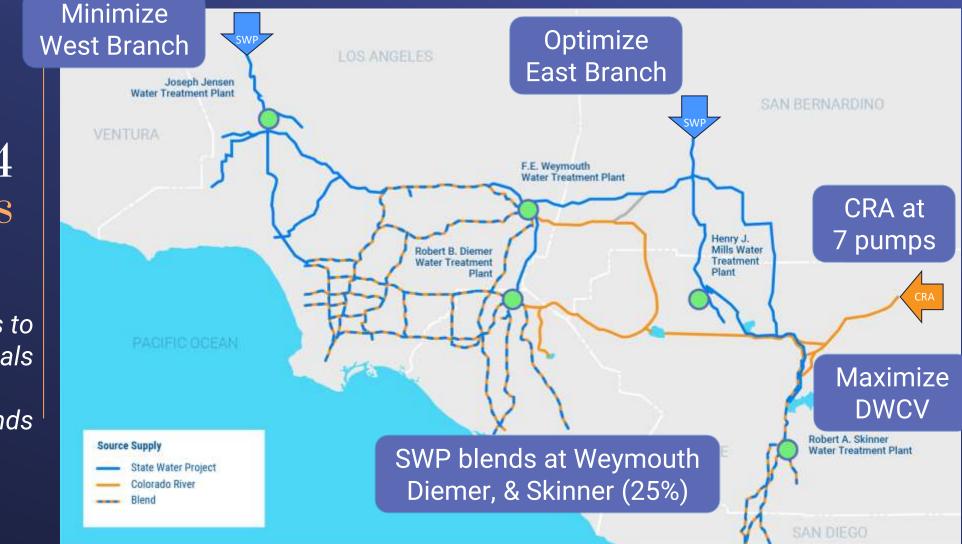


Deliveries to USG-03

# Managing State Water Project Supplies

- 2024 SWP Allocation at 40%
- CRA at 7-pump flow
- Deliveries to DWCV at ~740 cfs
- Deliveries to CUP and Cyclic ongoing
- SWP blend targets are 25% at Weymouth, Diemer, and Skinner
- June 2024 deliveries of 102 TAF were 3 TAF lower than June 2023

# Managing State Water Project Supplies



July 2024 Operations

Manage SWP supplies to meet storage goals

Maintain 25% SWP blends

July 8, 2024

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## Member Agency Water Quality Managers Nitrification Workshop

#### June 27, 2024



- Information on causes, consequences, and control of nitrification in distribution systems
- Presentations by Water Quality staff and an industry expert, including response to 2023 nitrification event
- In-person at Metropolitan's Water Quality Laboratory and virtual
- ~120 participants from over 50 agencies



# Recognition for Water Treatment Plants and Distribution System Optimization

Partnership Programs

25-Year Directors Awards for Diemer, Jensen, and Skinner

10-Year Directors Award for Distribution System AWWA ACE, June 2024





Demonstrated commitment to optimized performance of water system operations beyond regulatory requirements



## Annual Water Quality Report

Metropolitan's water quality is equal to or better than what is required to safeguard public health THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA



#### METROPOLITAN'S WATER QUALITY IS EQUAL TO OR BETTER THAN WHAT IS REQUIRED TO SAFEGUARD PUBLIC HEALTH.

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Textment Plant SPReents and Distribution Sector 100 0-67 0.100 199 0 - 100 Not Applicabl **Continued Titler Efflue** (CFE) Turbidity I TOE MESSINGLOOPEN. Detributive Systemwide: 0 - 0.0 Baries Naturally prepert in the Tetal Coliform Bacteria MCLC + D ARVING STREET Intribution Systematics (1.03 SURLANC GENERAL Retailer from water eatment process, sund and leaching from name *DECKARDS* OI and metal relines discharge; ratural deposit



2023 Water Quality Table



setupolitan's service area is expansive, in spans parts of six counties and 5,200 square miles. Our closest routine sample location is less than a mile from the La Verne Water Quality Laboratory, with the furthest 250 miles away. Sample collectors travel more than 150,000 miles each year by car and plane to bring samples in for analysis. Staff rely on nearly 500 different types of analytical equipment and use about 150 methods to evaluat samples. In a given year, about 250,000 water quality test results are generated.



Water Quality Co-Op Education



Safiya Hassan

## Training Tomorrow's Workforce

 Cal Poly Foundation paid internship program started in early 1980s

Over 300 students since inception

Opportunity for Metropolitan staff to

develop leadership and management

as managers

skills

- Sophomore/junior/senior students in science and engineering from accredited universities
- Bridging gap between theoretical study and professional world

Over 30 became full-time employees, several



John Huang and Pegah Tajvidi

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Ryan Heumann and Nathan Chen

# Safety and Security Awareness



Celebrating National Safety Month

Safety awareness events held at multiple facilities during June



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June 27, 2024

Weymouth Plant Domestic Water Line Failure



Damaged PVC piping July 8, 2024

# **Responding to Emergencies**

- Domestic water line (6-inch PVC) piping failure at 9:30 PM
  - Root cause being investigated
  - Flooded basement of Administration Building impacted electrical equipment, resulting in temporary loss of all site communications
  - Excellent response by staff to quickly respond, restore SCADA, isolate damage, dewater, and repair facilities
    - Weymouth ICP activated
    - Station power, communication systems, and domestic water service restored over weekend
  - No injuries; no impacts to water quality or treated water deliveries

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Domestic Water Line Failure Item # 7a Slide 14

# Information Technology

## 2024 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:

- Brenden Archer Morehouse College, Atlanta, GA
- Christy Jose University of California, Santa Cruz
- Jad Aljersh CSU Northridge, Los Angeles, CA

Majors of this year's interns include:

- Software Engineering
- Network and Digital Technology
- Geographic Information Science

