



Engineering, Operations, & Technology Committee

Management Announcements and Highlights

Item 7a

July 13, 2026

Presented by: John Bednarski and Shane Chapman

Engineering Services

2026 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. 305 students since inception
- Majors of this year's interns include:
 - Civil Engineering
 - Mechanical Engineering
 - Chemical Engineering
 - Materials Engineering
 - Business Adm. (for ROW Acquisition Team)

Back Row - Divy Rakholiya, Paul Siapin, Mitchell Massey, Santiago Contreras, and Christopher Perez
Front Row - Moises Jimenez, Haley Velasco, and Andrew Ortiz

Eagle Rock – Wildfire Suppression – FireBozz Sprinkler



5 FireBozz
Sprinklers
Installed



Eagle Rock – Structure Hardening

Ember-Resistant Mesh Soffits and Revised Landscaping



Main Building (Front)

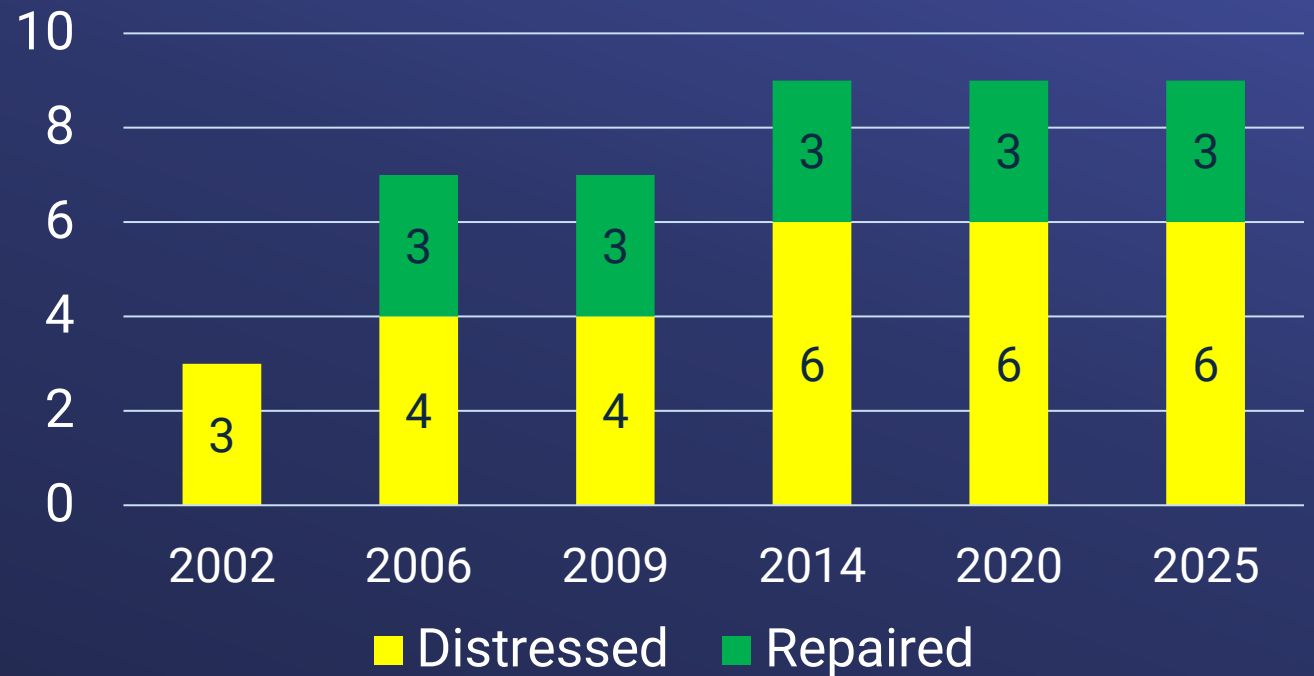


Main Building (Rear)

San Diego Pipeline No. 4 PCCP Inspections

- Constructed in 1968
- 99-inch diameter, 8 miles of PCCP
- 1,980 PCCP segments overall
- Inspected total of six times
 - First Inspected in 2002
 - Last inspection was 2025
 - Total of 6 unrepaired segments with wire breaks, all with only five wire breaks
- Three segments repaired with carbon fiber lining in 2004
- No progression of wire breaks since 2014

**San Diego Pipeline No. 4 Inspection History
Segments with Wire Breaks**



Engineering, Operations & Technology Annual Field Inspection Trip

- Wed. Oct 28 or Thurs. Oct 29, 2026
- Locations to be visited
 - Eagle Rock Operations Control Center
 - Garvey Reservoir
 - And more
- Focus on managing risk with an uncertain future
- More information to follow



2024 EO&T Field Inspection Trip – DVL



2025 EO&T Field Inspection Trip
Eagle Mountain Pumping Plant

Water System Operations

Managing State Water Project Supplies

Current Operational Conditions



Desert Water Agency
Hydroelectric Plant

- 2026 State Water Project (SWP) Allocation at 45%
- Colorado River Aqueduct (CRA) at 6-pump flow
- DWCV deliveries at 600 cfs
- DVL storage at 97% capacity
- Maintain SWP blend targets at 35% at Weymouth, Diemer, and Skinner
- June 2026 deliveries were at 103 TAF, which is 22 TAF less than June 2025

Managing State Water Project Supplies

June 2026
Operations

*Adapting operations to
respond to improving
water supply conditions*

Optimize
West Branch



Castaic Lake Copper Sulfate
Treatment on 6/26/26 by DWR

Optimize
East Branch

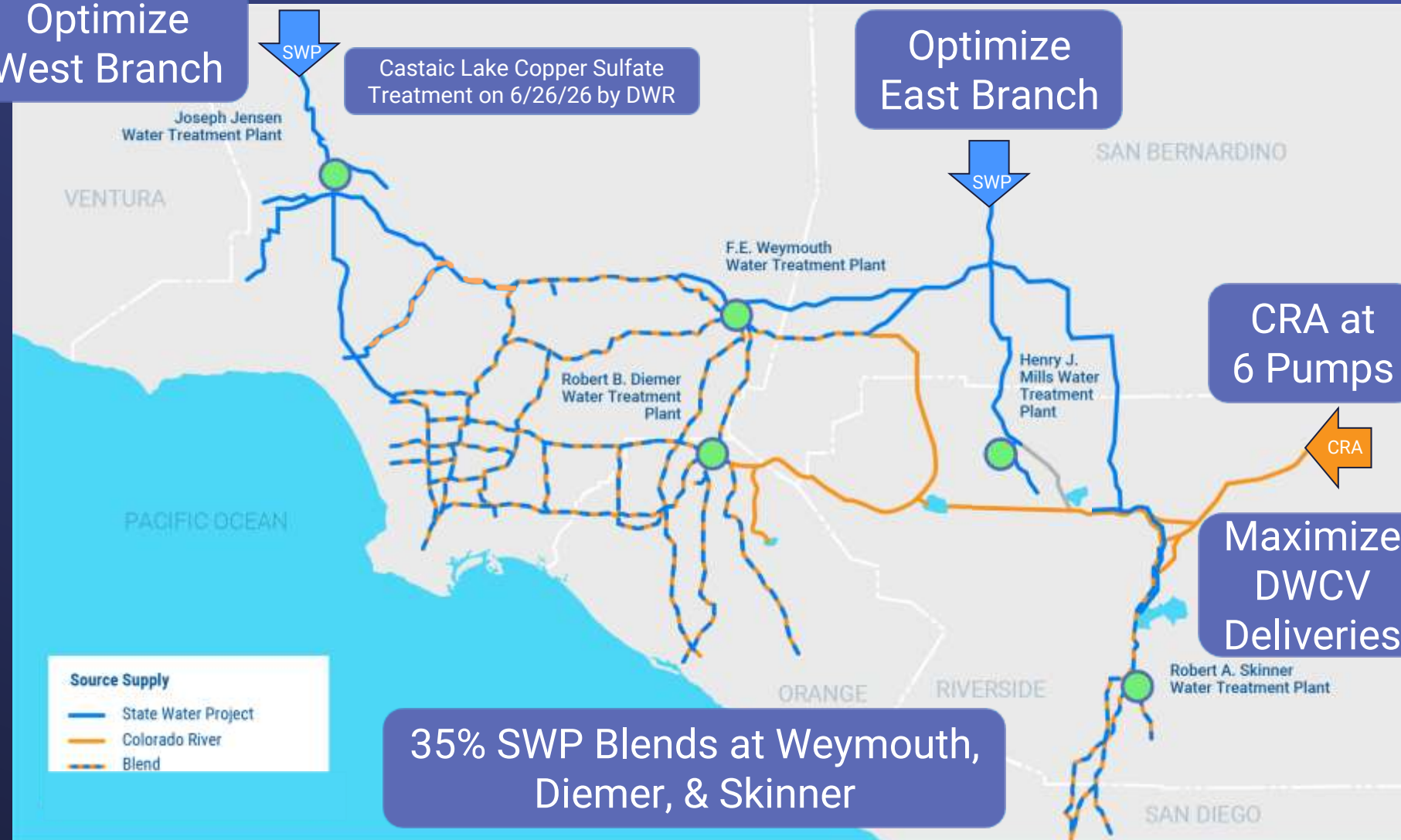


CRA at
6 Pumps



Maximize
DWCV
Deliveries

35% SWP Blends at Weymouth,
Diemer, & Skinner



Ensuring Continued System Reliability



SDCWA's San Diego
Pipeline 4 Repairs

July 13, 2026



SDCWA's Carbon
Fiber Lining Inspection

**San Diego Pipeline No. 4
Support SDCWA's Urgent
Repairs
June 15 - 30, 2026**

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



Benjamin Tiso



Minh Doan and Yaza Tun

Posted on
Metropolitan's website
June 30, 2026

Annual Water Quality Report

“Metropolitan’s water
quality is equal to or
better than what is
required to safeguard
public health.”

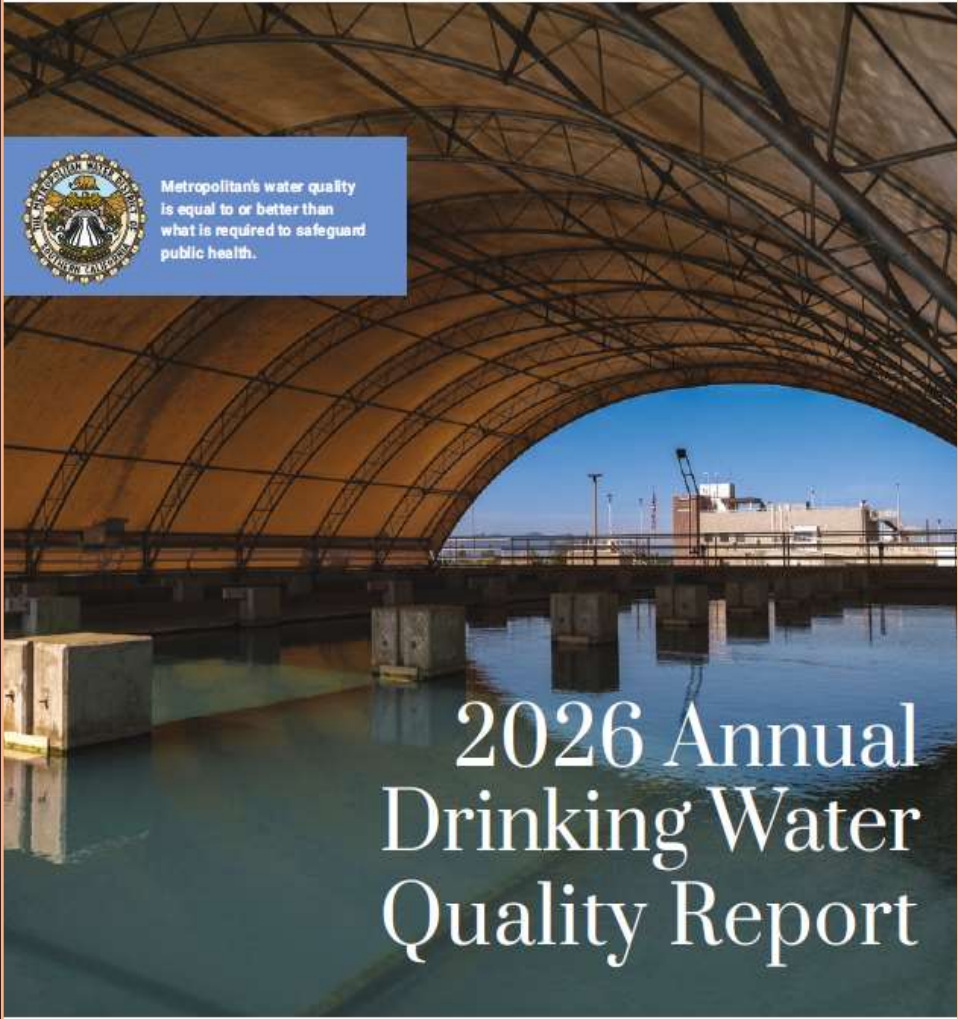
THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

WATER QUALITY EXCELLENCE

COVERING THE REPORTING PERIOD
JANUARY – DECEMBER 2025



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



2026 Annual
Drinking Water
Quality Report

Confidence in Water Quality Excellence

Metropolitan's drinking water consistently meets or surpasses the stringent state and federal standards required to safeguard public health.

POTENTIAL CONTAMINANTS	MAJOR SOURCES	METROPOLITAN'S TREATED WATER
Microorganisms such as coliform bacteria, Cryptosporidium, and Giardia	Naturally present in the environment, animals, human activity, wastewater discharges	Meets or surpasses drinking water standards ✓
Pesticides, herbicides, and other organic chemicals	Industrial and agricultural use, waste discharges, urban runoff, refineries and factories	Meets or surpasses drinking water standards ✓
Disinfection byproducts	Byproducts of the water disinfection process	Meets or surpasses drinking water standards ✓
Salts and metals	Industrial use, factory discharges, natural deposits, refineries & mining	Meets or surpasses drinking water standards ✓
Per- and polyfluoroalkyl substances (PFAS)	Industrial processes & discharges, leaching/runoff from landfills, fire-retarding foams	Meets or surpasses drinking water standards ✓
Turbidity — cloudiness from suspended particles in water	Soil runoff & erosion	Meets or surpasses drinking water standards ✓

Many of the individual contaminants within the groups covered in this table are not included in the detailed table of monitoring results that follows because they were not detected in Metropolitan's treated water during 2025.

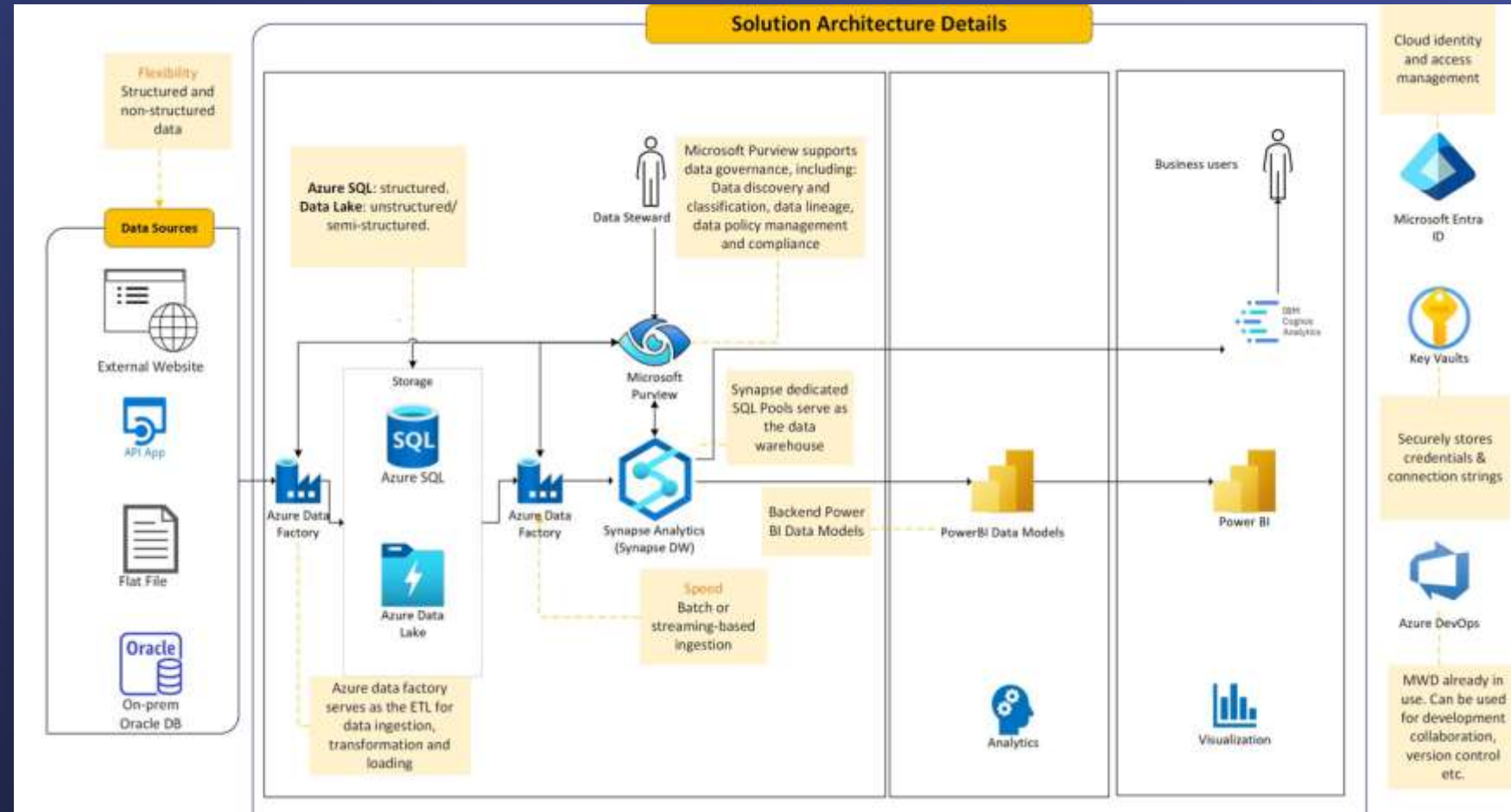


The Treated Water Microbiology team monitors the microbiological quality of water throughout Metropolitan's distribution system.

Information Technology

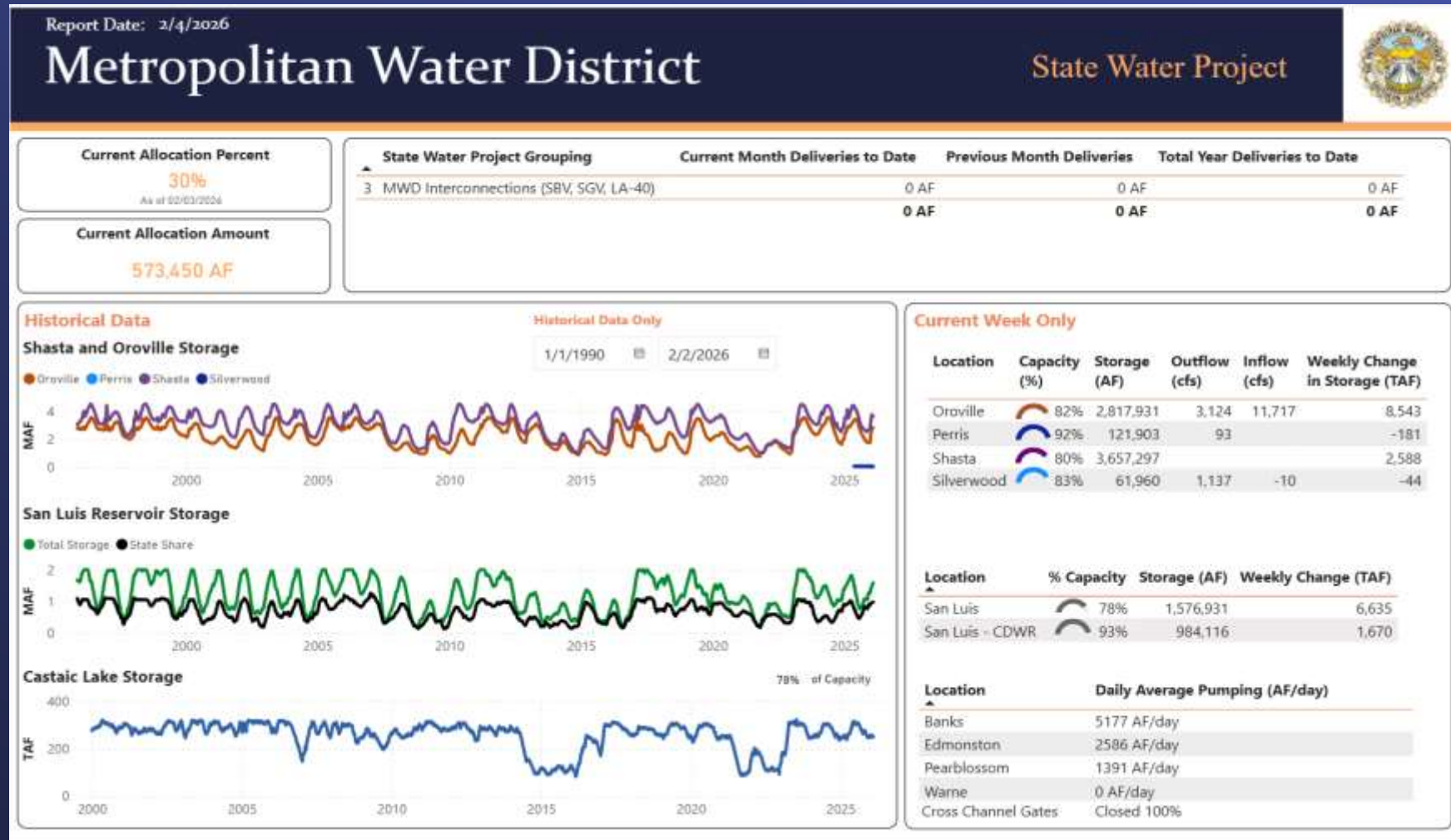
Enterprise Data Analytics Project

- Modernize data and analytics to enable enterprise-wide, insight-driven decisions
- Build an agile, cross-functional model that delivers rapid business-aligned value
- Deliver data and analytics as a service to accelerate outcomes and unlock new value
- Empower data-driven decisions by surfacing clear, actionable insights
- Reduce manual data handling to improve data quality and ensure reliable metrics



Enterprise Data Analytics – Use Case #1 Water Operations

- Provides a comprehensive, real-time overview of Metropolitan's water supply, deliveries, storage, and system operations
- Modernizes the process of collecting, presenting, and archiving data
- Includes current shutdown schedules and weather insights to account for external factors



2026 Information Technology Group – College Interns

- The Information Technology Internship provides an opportunity for Sophomore/Junior/ Senior students to gain hands-on experience within a specialized IT functional area, such as applications, cybersecurity, and IT infrastructure.
- 2026 IT Interns:
 - Jundy Kato, California State University, Long Beach - Computer Engineering
 - Jett Le, California State University, Fullerton - Computer Science
 - Aidan Do, University of California, Irvine – Computer Science

