



Engineering, Operations, & Technology Committee

# Management Announcements and Highlights

Item 7a

January 13, 2025

# Engineering Services

## Construction & Procurement Contracts

# Construction & Procurement Contracts Through November 2024

Number of Contracts at end of November 2024	57
Total Bid Amount of Contracts in Progress at end of Nov. 2024	\$527 M
Contracts Awarded in November 2024	1
Contracts With Notice To Proceed Issued in November 2024	2
Contracts Completed in November 2024	1
Contract Gross Earnings in November 2024	\$26.9 M

# 2024 ESG Mentoring Program

- Engineering's Mentoring Program completed its 12<sup>th</sup> year in 2024
  - 26 mentoring pairs participated last year
- Mentoring program
  - Provides structure for personal interaction between less experienced & more experienced staff
  - Learning sessions help with career development
    - With topics such as goal setting & navigating conflict



2024 Mentoring Program Culmination



Mentor & Mentee, Wade Takeguchi & Michael Nguyen

# Water System Operations

# Managing State Water Project Supplies

## Current Operational Conditions



Sunrise at Hinds

- 2025 SWP Allocation at 15%
- CRA at 4-pump flow until March shutdown
- Deliveries to DWCV at 0 cfs
- Deliveries to CUP and Cyclic stopped
- SWP blend targets are 0% at Weymouth, Diemer, and Skinner
- December 2024 deliveries of 125 TAF, which is 26 TAF higher than December 2023

# Preserving SWP Supplies with Low Initial Allocation

*Maximizing future reliability*

## Protecting Drought Storage



San Luis Reservoir

- Early 2025 operations based on lessons learned during last drought
  - Preserve Carryover supplies
  - Preserve Flex storage
  - Maintain a full DVL
- Position SWP supplies to meet SWP Dependent Area needs if dry conditions continue
- Increase use of SWP supplies as allocation increases

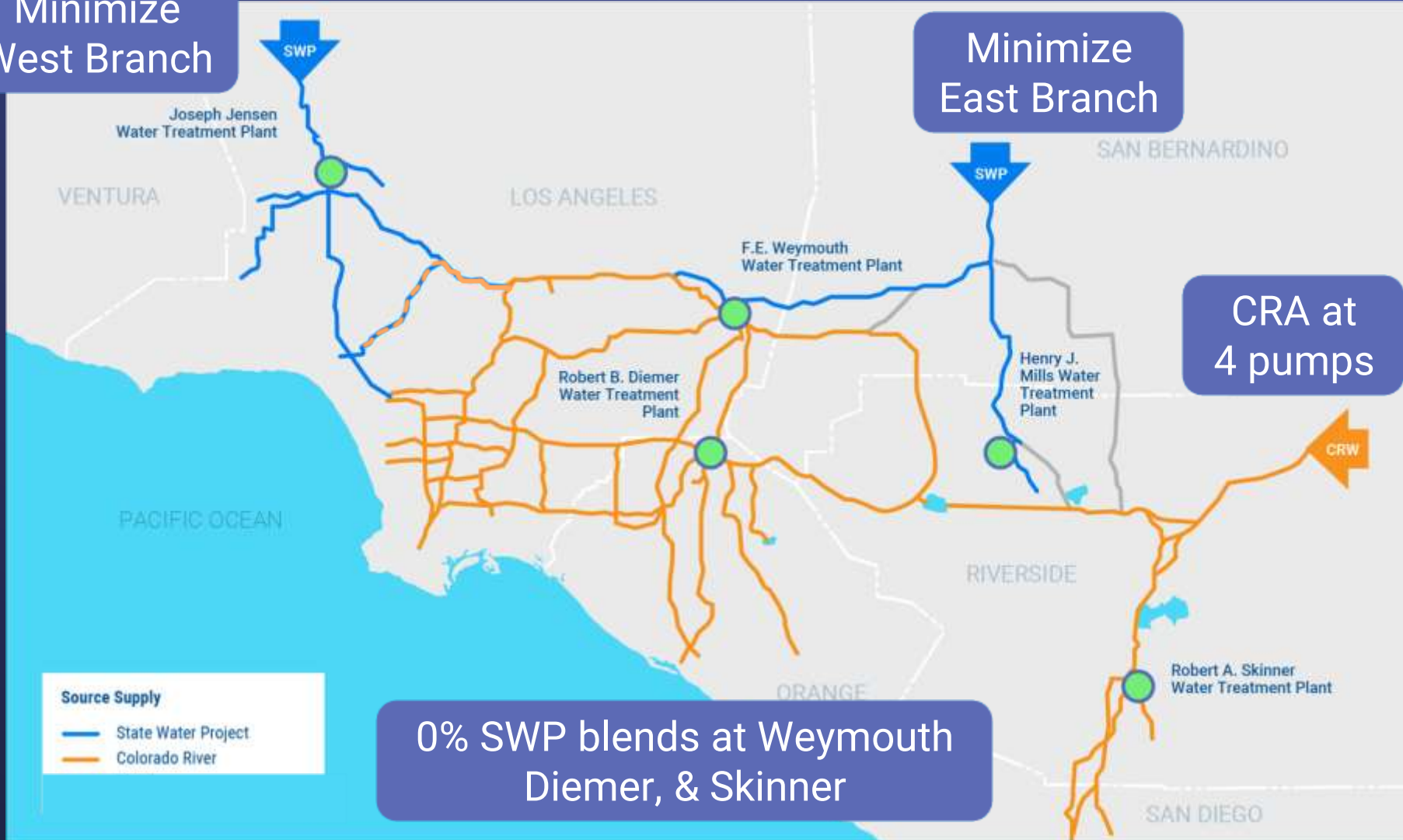
# Managing State Water Project Supplies

Minimize West Branch

Minimize East Branch

CRA at 4 pumps

0% SWP blends at Weymouth Diemer, & Skinner



Early 2025  
Operations

Minimizing SWP Supplies to Prepare for Possible Drought Sequence



# Ensuring Continued System Reliability

## Foothill Feeder

Support DWR's bulkhead installation/removal and valve repair  
*Phase I - Completed*  
*Phase II - Jan. 27 – Feb. 2, 2025*

## Rialto Pipeline

Inspect PCCP, replace 30' of lining, replace four 72" butterfly valve seats, and perform maintenance  
*Feb. 12 – 25, 2025*

## DWR San Bernardino Tunnel

Underwater assessment of the San Bernardino Intake Tower  
*Feb. 18 – 19, 2025*

## Second Lower Feeder

Install bulkhead, rehab PCCP, and install sectionalizing valves  
*Underway*

## Allen-McColloch Pipeline

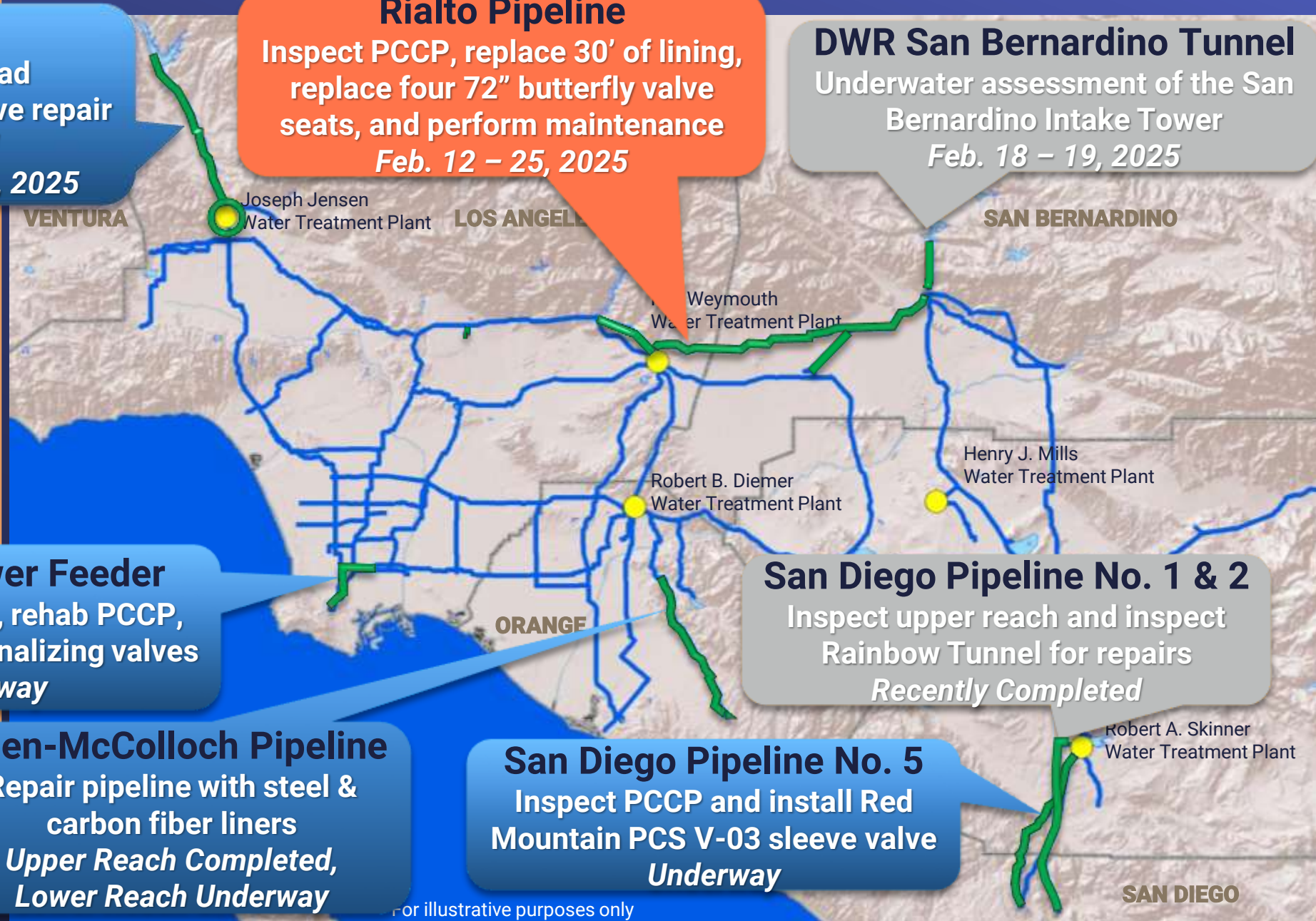
Repair pipeline with steel & carbon fiber liners  
*Upper Reach Completed, Lower Reach Underway*

## San Diego Pipeline No. 5

Inspect PCCP and install Red Mountain PCS V-03 sleeve valve  
*Underway*

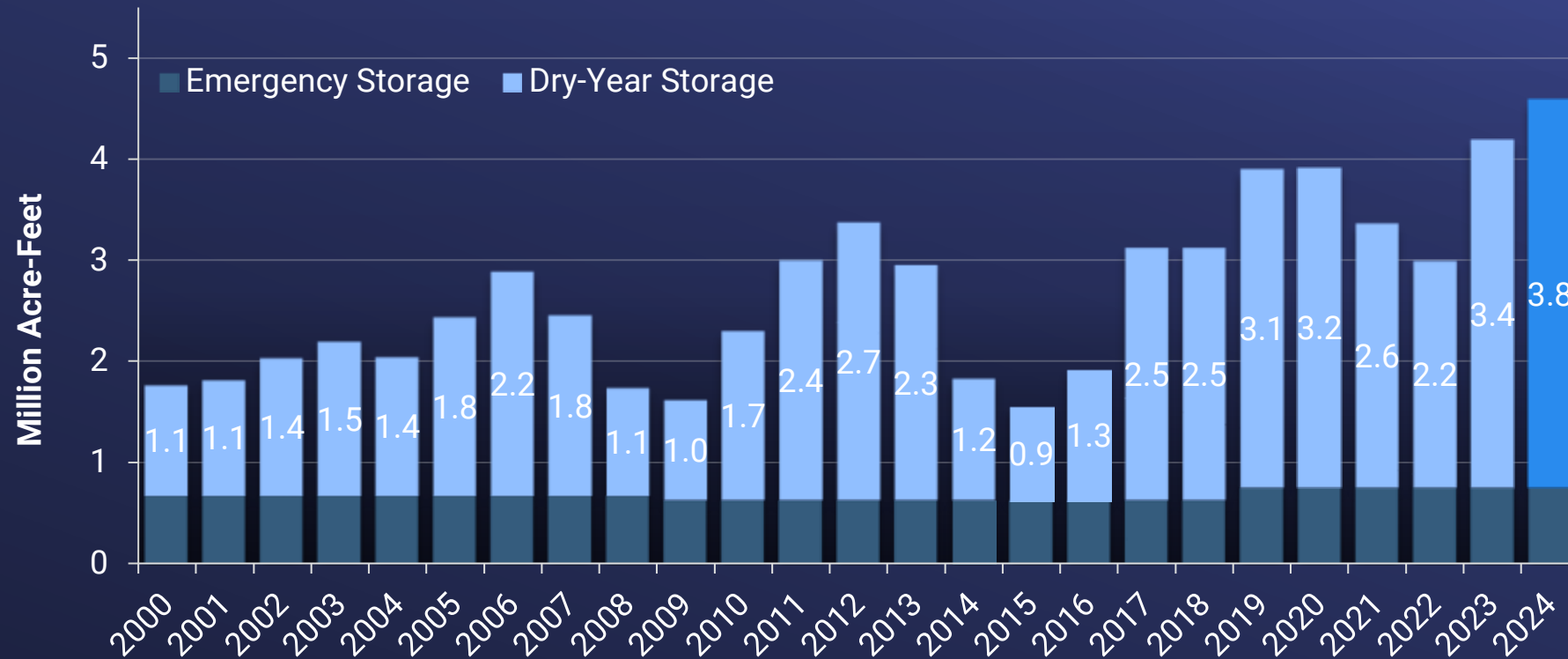
## San Diego Pipeline No. 1 & 2

Inspect upper reach and inspect Rainbow Tunnel for repairs  
*Recently Completed*



# Recap of 2024

- Surplus year at a 40% SWP Allocation
- Ended the year with record-high storage of 3.8 MAF
- Added around 400 TAF to our dry-year storage



**Note:**

**2024 end-of-year balance is preliminary as it is subject to DWR adjustments and USBR final accounting.**

# Steady Operations through Most of 2024

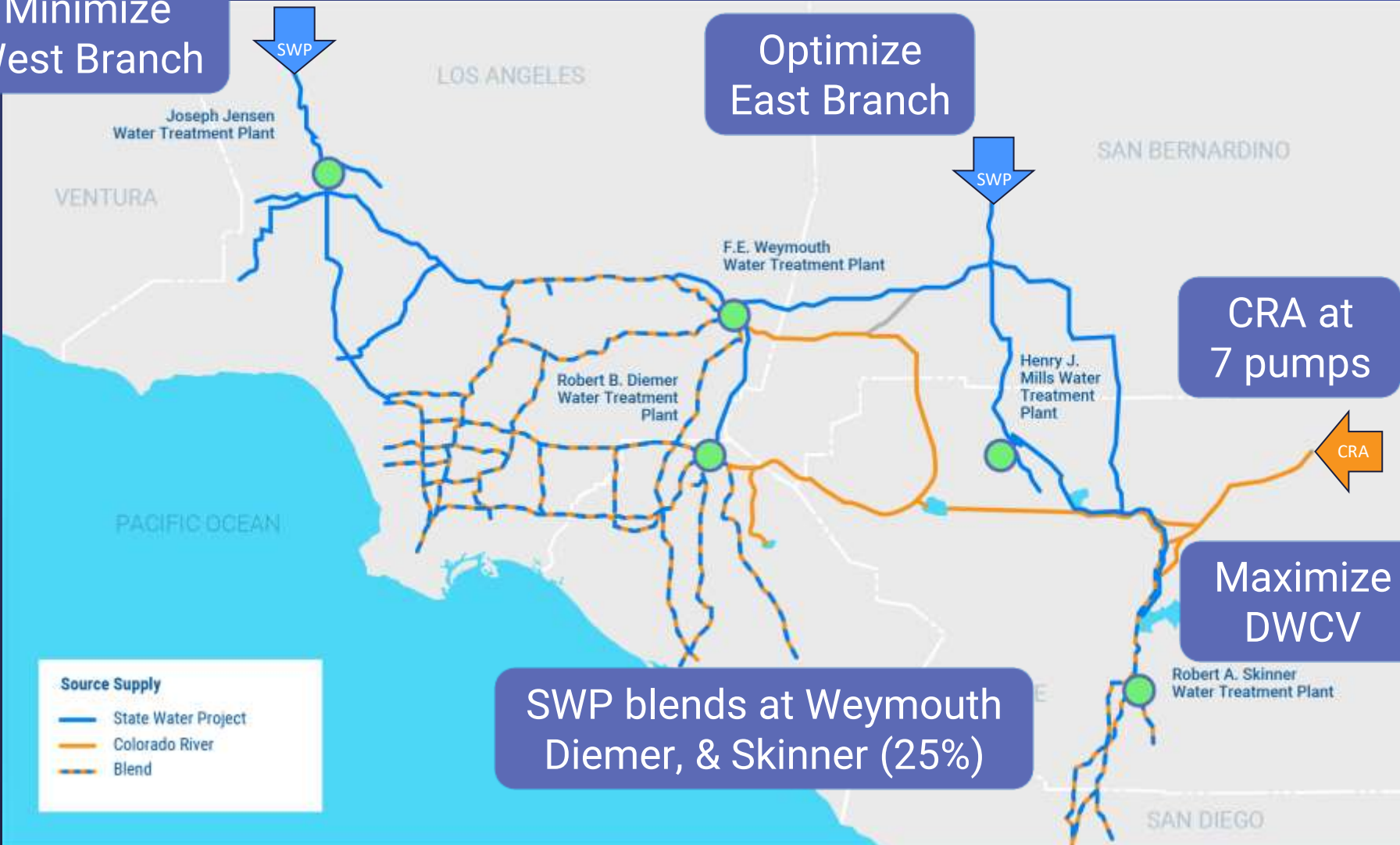
Minimize West Branch

Optimize East Branch

CRA at 7 pumps

Maximize DWCV

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



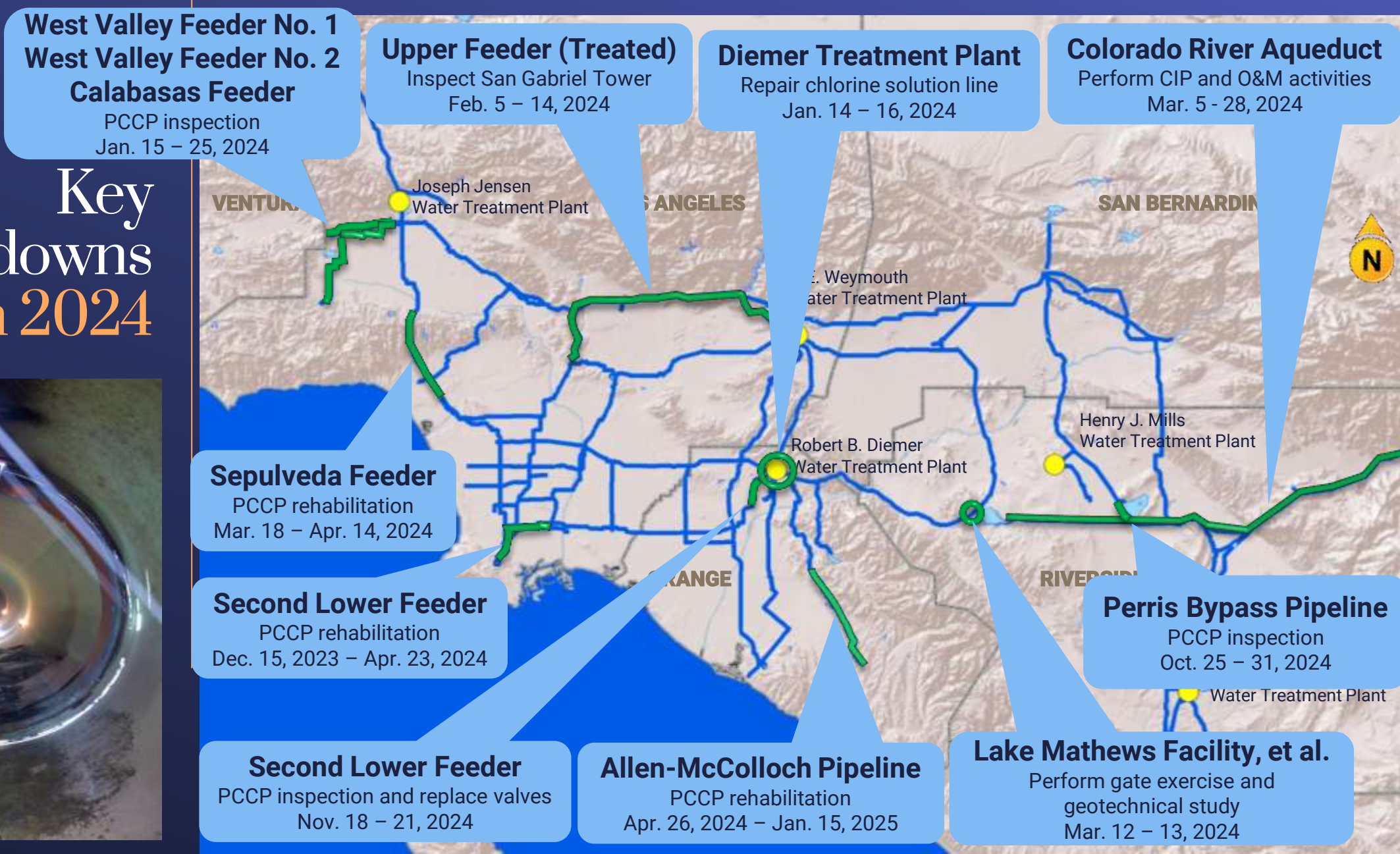
## May-November 2024 Operations

Managing SWP supplies to meet storage goals



Deliveries at Whitewater

# Key Shutdowns in 2024



# Ensuring Continued System Reliability



**Upper Feeder (Treated)**



**East Lake Skinner Bypass**



**Sepulveda Feeder**



**Second Lower Feeder**



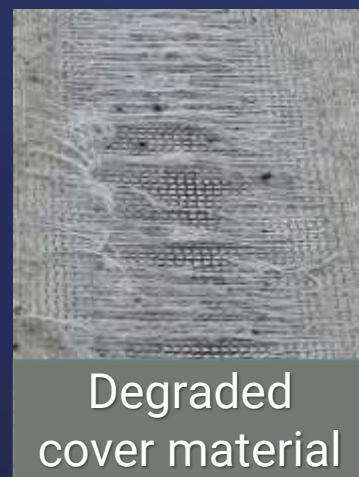
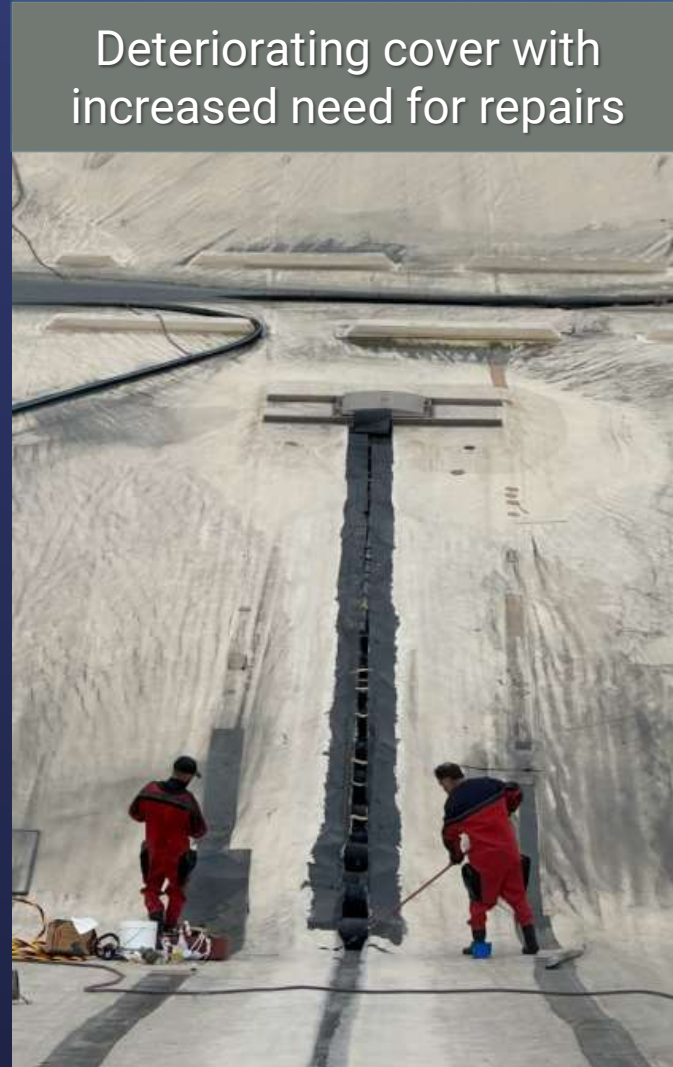
**Colorado River Aqueduct**



**Perris Valley Pipeline**

# Garvey Reservoir Challenges

## Maintaining reliable operations while awaiting cover replacement



# Information Technology

# IT Disaster Recovery Exercise



The Information Technology Group successfully conducted an annual Disaster Recovery Exercise between the primary datacenter and the Backup (DR) datacenter between October 19, 2024 to October 27, 2024.

During this Exercise:

- Enterprise and Business Critical Applications were switched to DR datacenter to validate the system and business continuity.
- During this period all the applications were functional, and business continued as normal from the secondary datacenter.
- This exercise demonstrated the IT Infrastructure resiliency and validated IT disaster recovery planning.



