



Engineering, Operations, & Technology Committee

# Water System Operations Manager's Report

Item 8a

May 8, 2023

# Adapting to Surplus Conditions

## Current Operational Conditions



Article 21 Deliveries to Diamond Valley Lake on March 27, 2023

- 2023 SWP Allocation increased to 100%
- Managed Article 21 Supplies
- CRA operating at a 5-pump flow
- SWP blend targets are 100% at Weymouth and Diemer; Skinner blends currently 15% and increasing
- Delivering Colorado River water to DWCV storage
- April 2023 deliveries of 68 TAF were 69 TAF lower than April 2022; lowest April demand since 1983

# Maximizing Use of SWP Supplies

100%  
SWP  
Allocation



East Branch of California Aqueduct

- Prioritizing rebuilding storage for SWP Dependent Areas
- Maximizing SWP West and East Branch deliveries
- Delivered ~148 TAF of Article 21 supplies
  - Filled Perris and Castaic Flex
  - Refilling DVL; currently ~65% full
- Maximizing blends while balancing system and water quality constraints
- Coordinating with member agencies on CUP and Cyclic programs (incl. CCOP and Reverse Cyclic)

# Maximizing Use of SWP Supplies

Current  
Surplus  
Operations



# Maximizing deliveries to DWCV storage under low CRA flows

## Managing Colorado River Supplies



- Gates installed on CRA increases flow to DWCV when CRA is running at lower flows
- Installed gate allows deliveries up to ~700 cfs

# Ensuring Continued System Reliability

## Middle Feeder (North)

Inspected pipeline from Covina PCS to Ramona PCS and replaced valves  
*Recently Completed*

## Etiwanda Pipeline

Repair lining  
*Ongoing*

## Lakeview Pipeline

Remove bulkheads at Perris Facility and inspect pipeline  
*Apr. 28 – May 6, 2023*

## Second Lower Feeder

Rehabilitate PCCP  
*Ongoing*

## Orange County Feeder

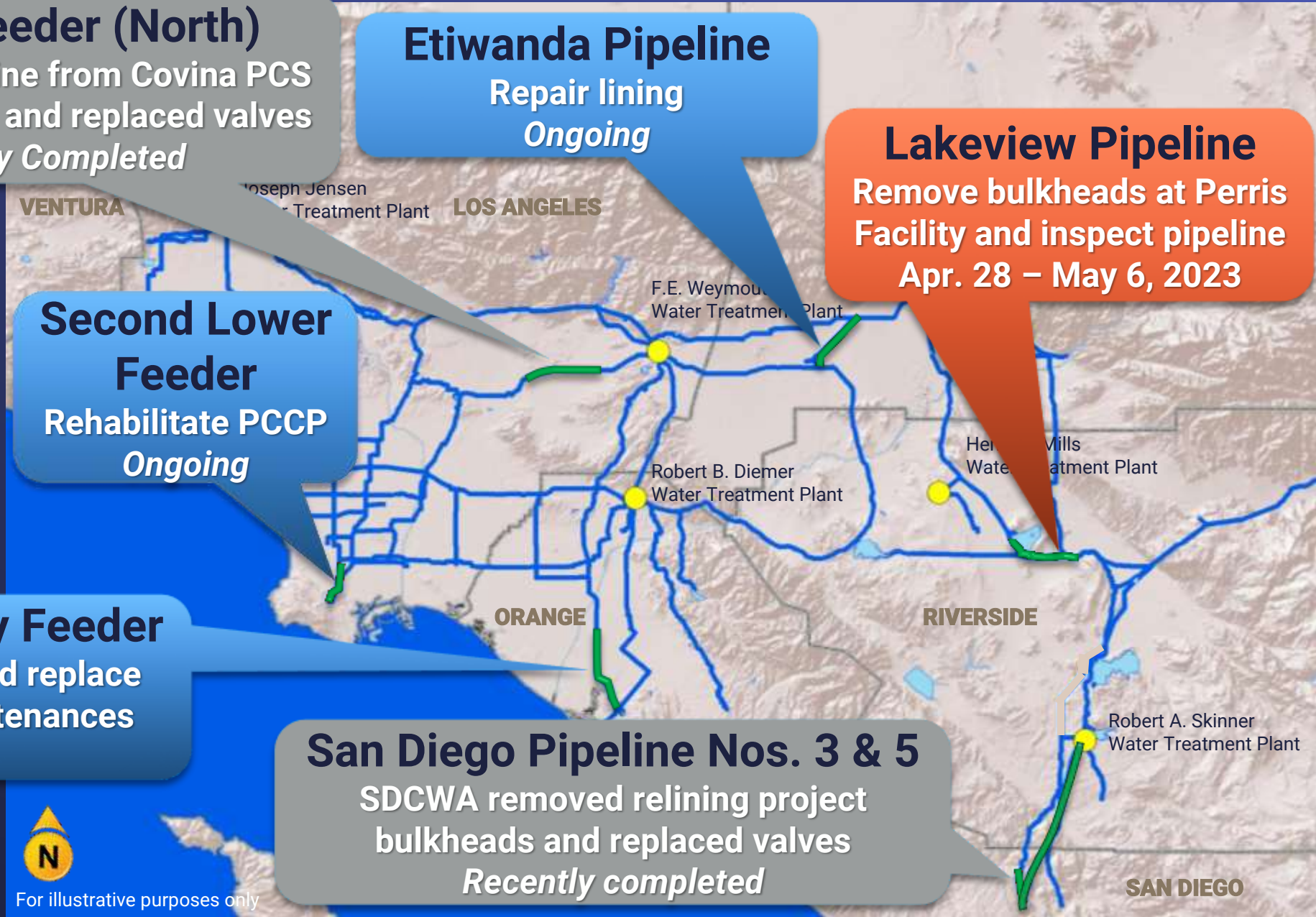
Reline pipeline and replace valves and appurtenances  
*Ongoing*

## San Diego Pipeline Nos. 3 & 5

SDCWA removed relining project bulkheads and replaced valves  
*Recently completed*



For illustrative purposes only

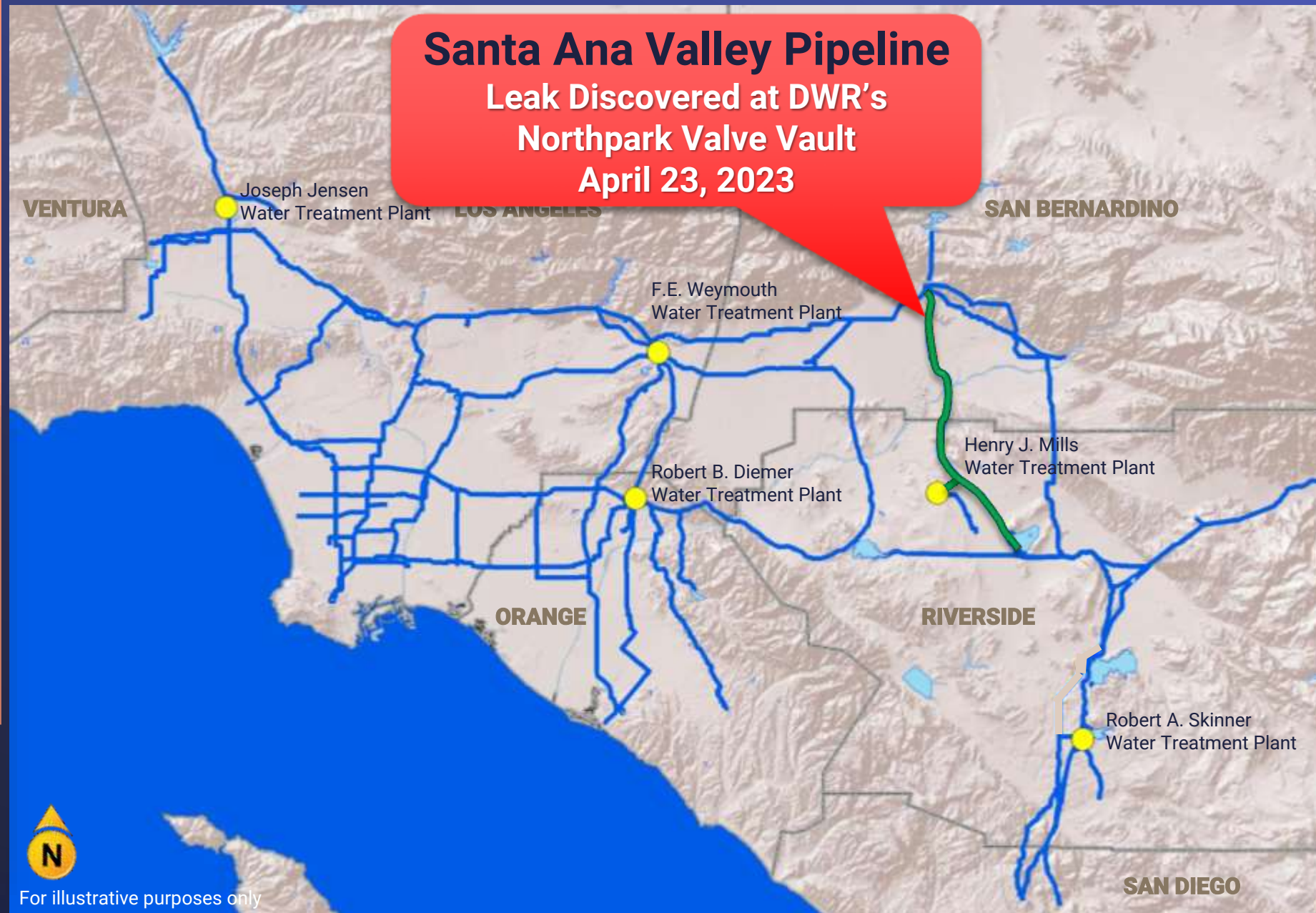


# Emergency Shutdown



Flooded Structure at DWR's  
Northpark Valve Vault

May 8, 2023



For illustrative purposes only

# Santa Ana Valley Pipeline and Mills Plant

## Emergency Shutdown



Leak on DWR's 12" Bypass Line at  
Northpark Valve Vault

- Mills shut down and SAVP dewatered to allow DWR to assess cause of leak and repair method
- Close coordination with Eastern MWD and Western MWD to manage unscheduled shutdown
  - Mills reservoir filled and local storage increased prior to shutdown
  - Contingency plan to switch to DVL to Mills operation if longer shutdown needed
- DWR identified leak on 12-inch bypass line and immediately proceeded with weld repair
- Mills and SAVP returned to service the morning of April 26



