



Engineering, Operations, & Technology Committee

# Water System Operations Manager's Report

Item 8a

April 10, 2023

## Current Operational Conditions



# Operating under Rapidly Changing Conditions

- 2023 SWP Allocation is 75%
- CRA dropped from 5- to 4-pump flow at end of March to manage Lake Mathews storage and changing supply conditions
- Weymouth and Diemer continue at 100% SWP blend after Lake Mathews shutdown to manage Article 21 supplies; SWP blend currently 0% at Skinner
- Delivering Colorado River water to DWCV storage
- March 2023 deliveries of 62 TAF were 59 TAF lower than March 2022

## Maximizing Article 21 Deliveries



San Luis Reservoir, 3/17/2023

## Adapting to Wet Weather Conditions

- Ended DVL to Mills and Lakeview Pipeline operations on March 15 and 16, respectively
  - Mills and Lakeview now supplied from Silverwood Lake
- Article 21 deliveries started March 22, with 123 TAF allocated by DWR from March 22-April 11 for Metropolitan (includes DWCV allocation)
- Maximizing SWP West and East Branch deliveries
  - Prioritizing repayment of Castaic and Perris Flex
  - Recovering DVL storage
- Submitting Article 21 demand requests to DWR on a weekly basis

# Minimizing SWP Use as Allocation Developed

## Early 2023 Drought Operations





# Maximizing SWP Use and Article 21 Supplies

## Current Surplus Operations

### Article 21 Deliveries

March 22–28: 39.7 TAF

March 29–April 4: 42.8 TAF

April 5–11: 40.4 TAF



# Refilling Storage with Increased SWP Supplies

Press Event at Diamond Valley Lake - March 27, 2023



Member  
Agency  
Groundwater/  
Reservoir  
Water  
Management  
Workshop

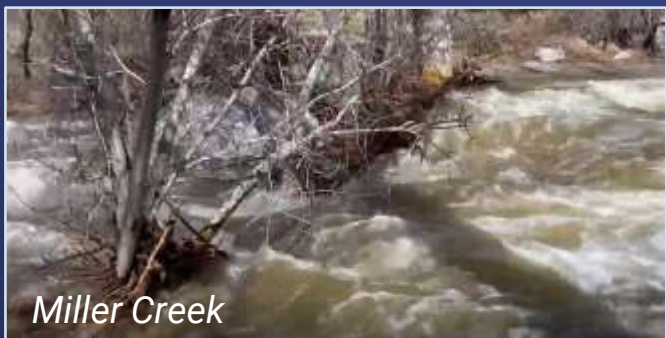
April 6, 2023

## Collaborating on Water Management Strategies

- Discussed existing programs to help recover local groundwater basins or surface reservoirs, while managing increased supplies
- Reviewed existing programs – replenishment, cyclic, reverse cyclic, conjunctive use program, CCOP
- Discussed needs for revisions to programs or new programs to provide additional flexibility
- Coordinating operations and timing of deliveries



# Responding to Watershed Runoff and Spill Event



## Silverwood Lake Storm Impacts



- March 15: Increased flow overwhelmed Houston Creek WWTP (over 3 miles from lake along Miller Creek)
- Significant runoff and ~15,000 gallons of partially treated wastewater flowed into creeks towards Silverwood Lake
- Metropolitan actions included increased microbial monitoring; increased disinfection; stabilized plant operations; and communication with impacted agencies, DDW, DWR, and Crestline Sanitation District
- **All compliance requirements met with no impacts to treated water deliveries**
  - Elevated turbidity and *Giardia* detected in raw water samples delivered to treatment plants
  - *Giardia*, coliforms, and *E. coli* **not detected** in plant effluents



## West Valley Feeder No. 1

Support Calleguas slide gate fitting and installation  
*Recently Completed*

## Middle Feeder (North)

Inspect pipeline and replace valves  
*Apr. 17 – 24, 2023*

## Etiwanda Pipeline

Repair lining  
*Underway*

## Lake Mathews Facility, et al.

Replaced damaged slide gate on forebay tower  
*Recently Completed*

# Ensuring Continued System Reliability

## Second Lower Feeder

Rehabilitate PCCP  
*Underway*

## Orange County Feeder

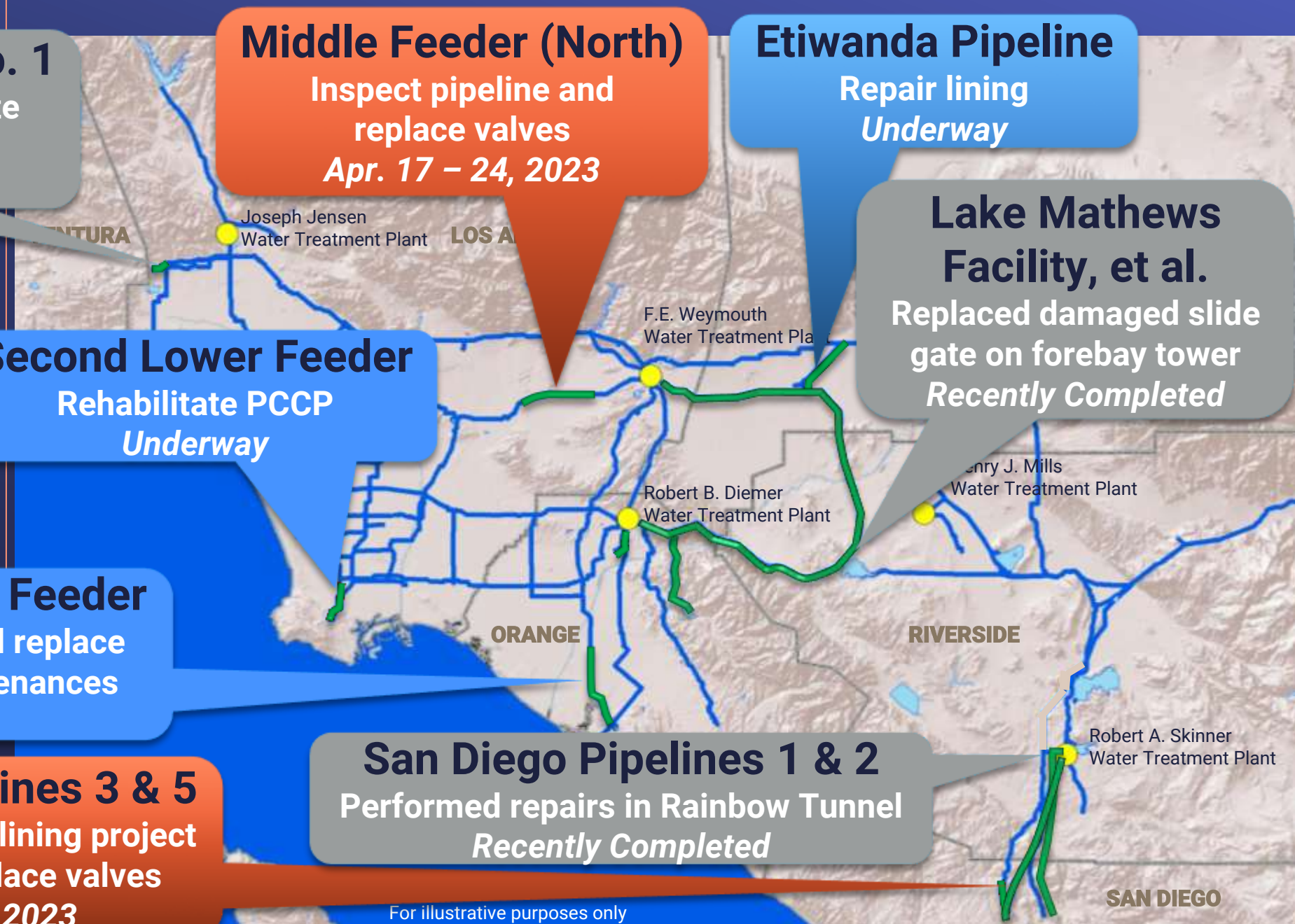
Reline pipeline and replace valves and appurtenances  
*Underway*

## San Diego Pipelines 3 & 5

SDCWA to remove relining project bulkheads and replace valves  
*Apr. 16 – 25, 2023*

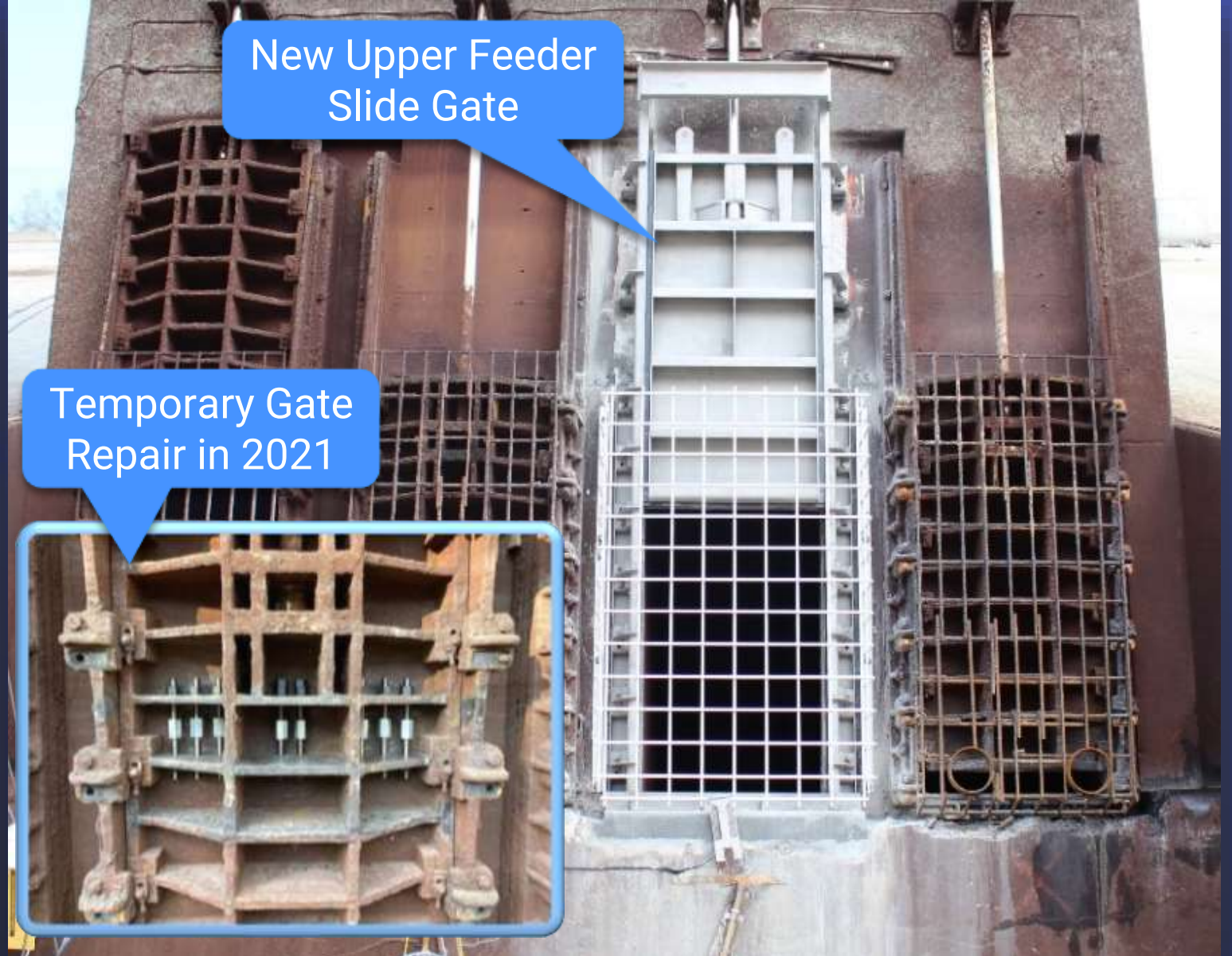
## San Diego Pipelines 1 & 2

Performed repairs in Rainbow Tunnel  
*Recently Completed*





# Lake Mathews Forebay Tower Gate Repair



# EPA Proposed Federal Drinking Water Regulations for Six PFAS

*Announced March 14*

## New Federal Drinking Water Standards



- Maximum Contaminant Levels for **PFOA** and **PFOS** at **4 parts per trillion** (ppt) each
- Hazard Index for any mixture of **PFHxS**, **PFNA**, **PFBS**, and/or **GenX** chemicals
- EPA expects to finalize regulation by end of 2023; compliance required within 3 years
- Current California Notification Levels for PFOA and PFOS are 5.1 ppt and 6.5 ppt, respectively; and Response Levels are 10 ppt and 40 ppt, respectively



## PFAS Update

*EPA proposed regulation  
published in Federal  
Register on March 29 with  
60-day comment period*

# Metropolitan Response and Actions

- PFAS detected in some groundwater basins; actions to remove wells from service, install treatment, or blend
- Metropolitan has voluntarily monitored source and treated water for PFAS since 2013
  - Four PFAS detected at trace levels in some source waters
  - The six PFAS with proposed regulations have not been detected in Metropolitan's treated water
- Metropolitan is coordinating with Member Agencies and industry organizations to respond to proposed regulations
- Staff providing update on Constituents of Emerging Concern at May EO&T Committee

