



Engineering & Operations Committee

# Water System Operations Manager's Report

Item 7a

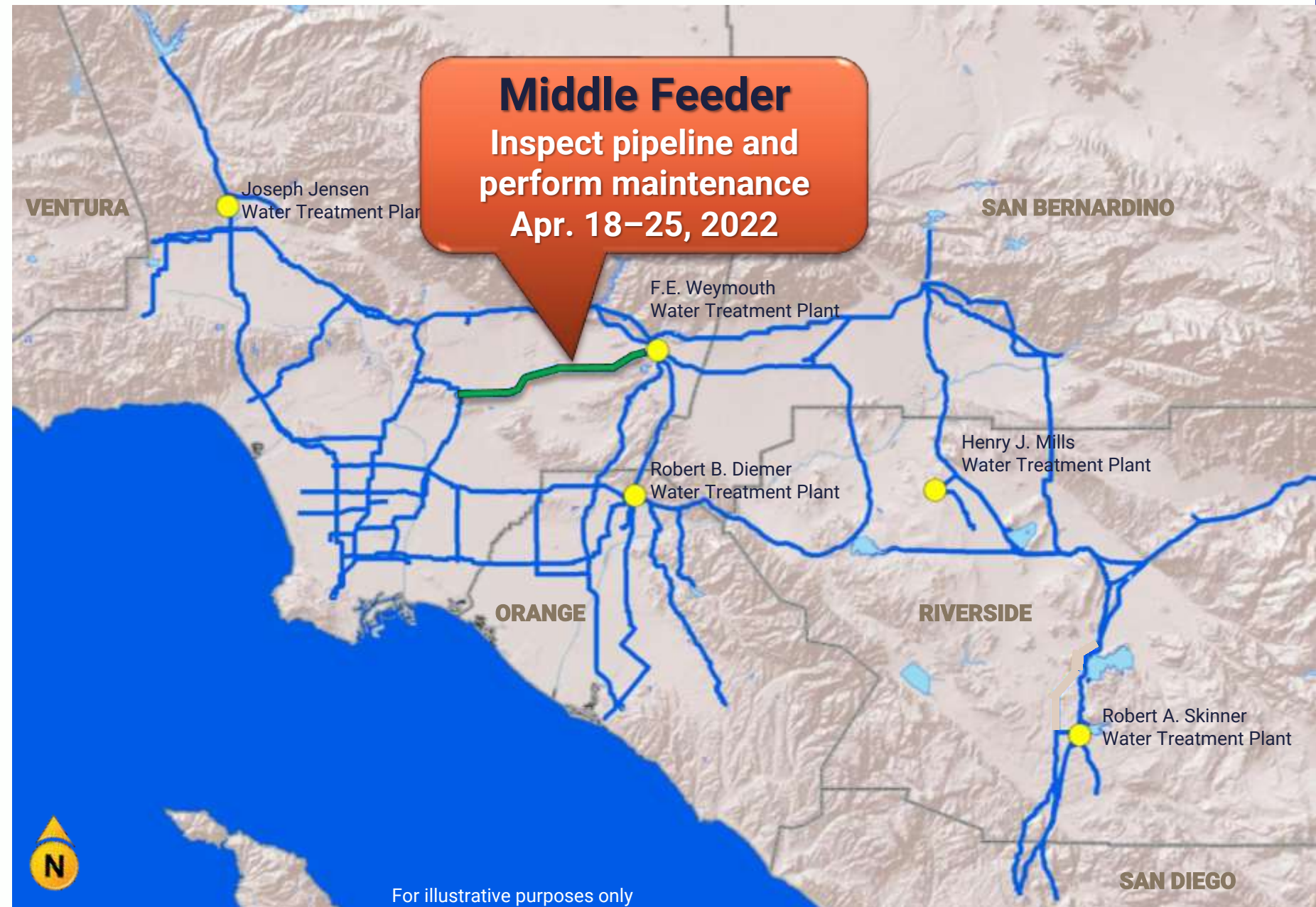
Monday, April 11, 2022  
10:00 a.m.

## Current Operational Conditions.

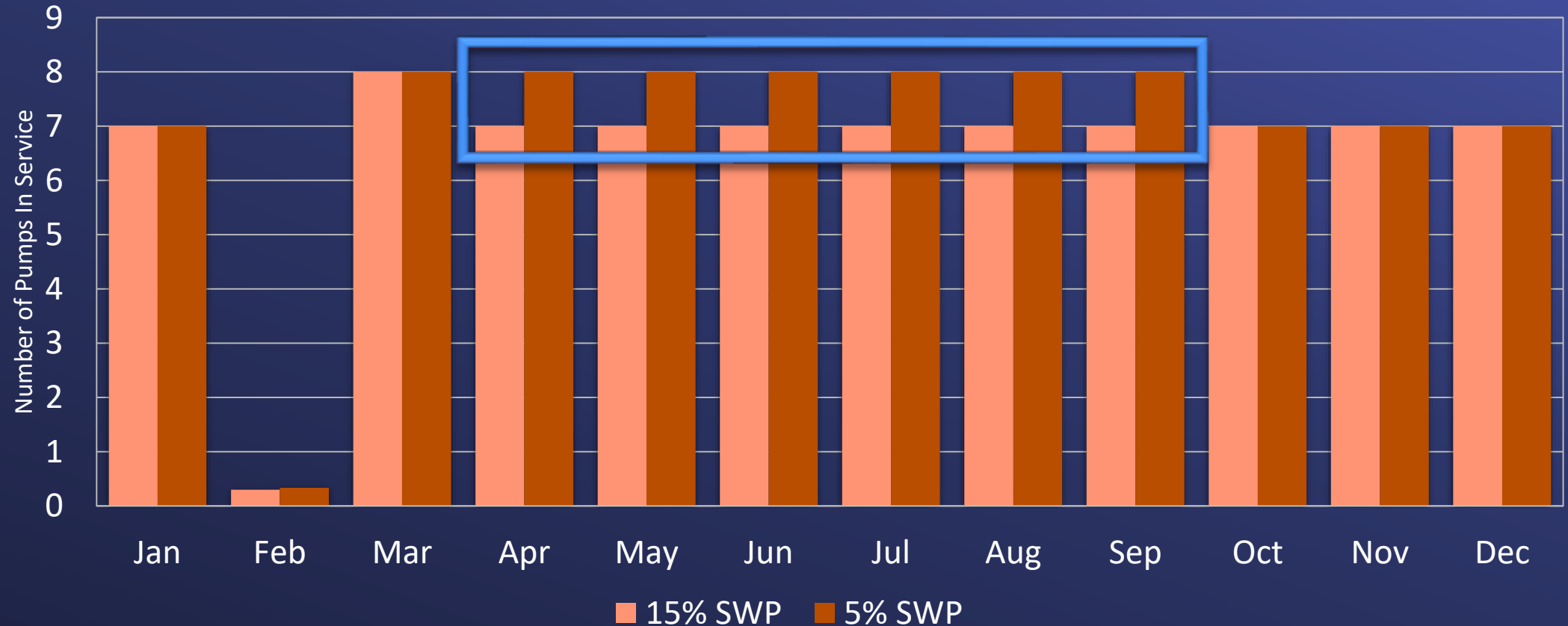
# Continuing Drought Operations

- 2022 SWP Allocation is 5%
- SWP blend targets are 0% at Weymouth, Diemer, and Skinner plants
- DVL to Mills drought operation continues to perform well
- Managing storage based on WSDM principles
- March 2022 deliveries of 124 TAF were 16 TAF higher than March 2021

# Ensuring Continued System Reliability.



# Extending CRA 8-pump flow operation for additional water reliability



Increased demand and the current and potential future drought actions rely on Colorado River Water, increasing the need for extended 8-pump flow operation



# PFAS Monitoring **Background**

- Voluntary annual monitoring in source and treated waters
- One PFAS detected at trace levels in 2017, 2019, & 2020
  - Perfluorohexanoic acid (PFHxA) at various locations (ranging from <2 ng/L to 3.7 ng/L)
  - No PFOA or PFOS detected prior to 2021

## Metropolitan's PFAS **Monitoring Update.**

Monitored in  
2013, 2016, 2017,  
2019, 2020, & 2021

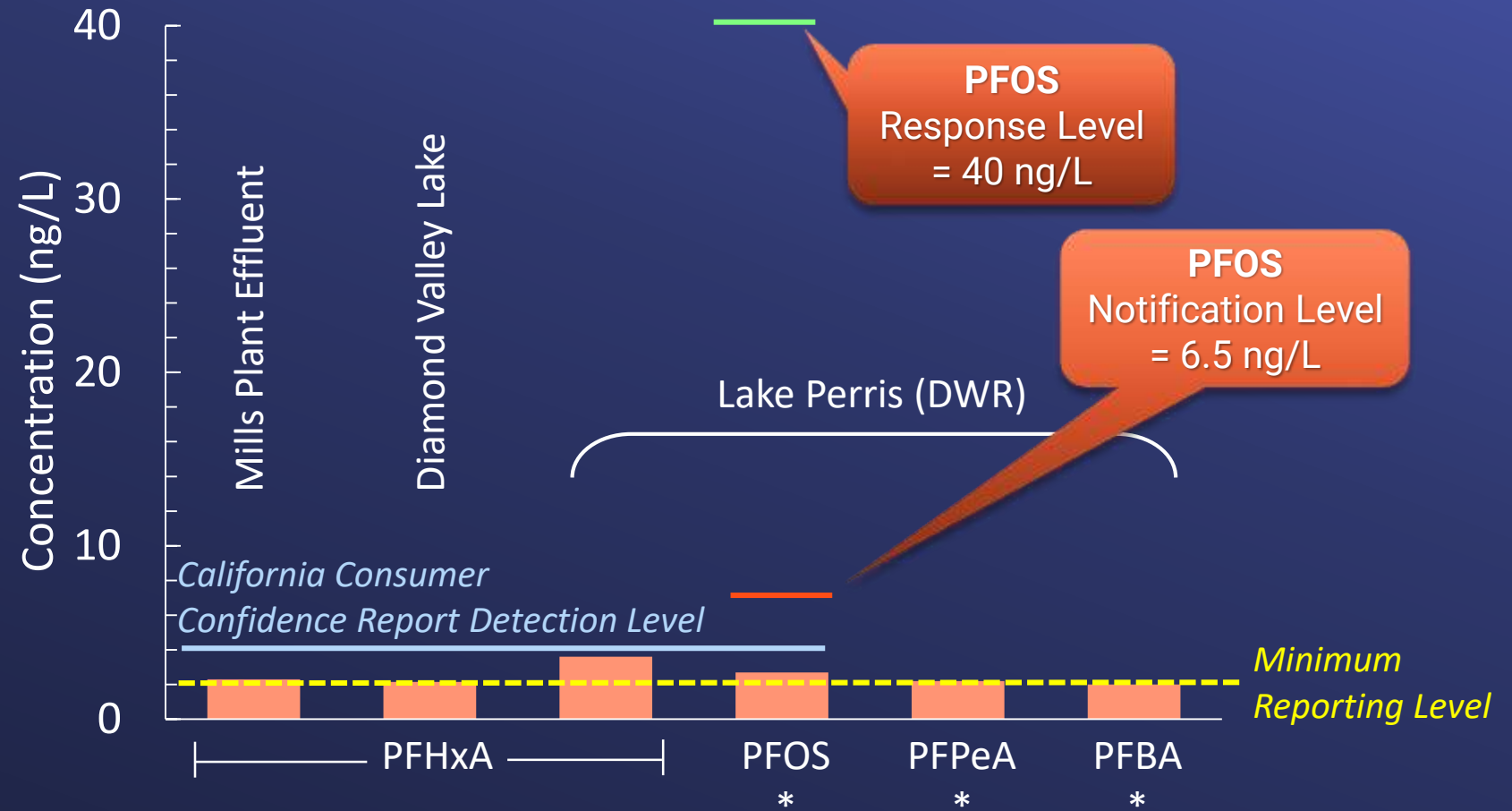


14 locations:  
Nine source waters  
Five treatment plant effluents

# Metropolitan's PFAS Monitoring Update.

25 PFAS not detected  
No PFAS detected at  
11 other locations

## Samples collected in October 2021



Used EPA Method 537.1 and newer EPA Method 533\*

# Metropolitan's PFAS Monitoring Update.

<https://www.mwdh2o.com/your-water/water-quality-and-treatment/>

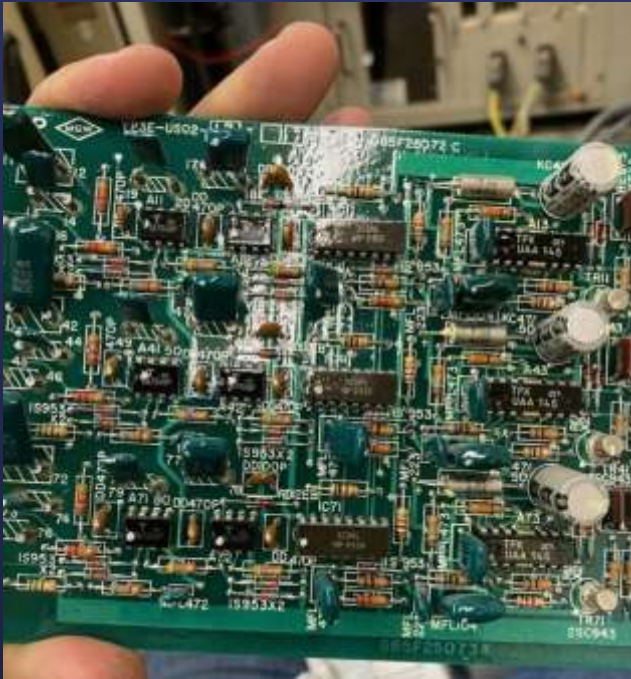
## Ongoing and Future Actions

- Continue voluntary annual monitoring
- Report results in Annual Water Quality Report to Member Agencies
- Track state and federal regulatory and legislative developments
- Update website info and FAQs
- Engage with Member Agencies and water industry advocacy groups on PFAS-related issues

ENSURING A SAFE WATER SUPPLY  
IN THE AGE OF FOREVER CHEMICALS



# Solutions for Efficient Operations



*Photo of repaired voltage regulator circuit board for Red Mountain HEP*

**Hydroelectric Plants** generate revenue and provide valuable power resource attributes

- Metropolitan hydroelectric generators were built in the early 1980s with many components no longer made
- Staff diagnosed and repaired a failed voltage regulator board for the 5.9 MW Red Mountain Hydroelectric Plant
- This temporary repair keeps the powerplant in service until the voltage regulator can be replaced during a scheduled pipeline shutdown in late-2022
- Keeping the powerplant in service with this innovative repair should result in at least \$1.5 M of power revenue and resource attribute value in 2022



# Water System Operations Management Team



