



Engineering, Operations, & Technology Committee

Management Announcements and Highlights

Item 7a

October 9, 2023

Engineering Services

Update by Deven Upadhyay

2023 EOT Inspection Trip

- Revised Date:
 - Thursday - November 16, 2023
- Locations to be visited:
 - La Verne
 - Water Quality Laboratory
 - Weymouth Water Treatment Plant
 - La Verne Shops
 - Lake Mathews
 - Perris Valley Pipeline project



2022 Inspection Trip

Inland Empire Industry Day

- Date: September 14, 2023
- 300+ Attendees
- Location: Moreno Valley, CA
- IEUA, West Basin, Eastern MWD & Western MWD were co-participants



Metropolitan's MetWorks Team



2023 Event Moreno Valley, CA



Perris Valley Pipeline Tunnel Project Progress



Staff inspection of TBM refurbishment

- **On-going work** : continuing excavation of Shafts 2 and 3, installing geotechnical monitoring system at Shaft 3
- **Contract Amount:** \$59,489,720/ Paid to date: 21%
- **Original Contract Duration:** 500 Working Days/ 31% used to date



Contractor drilling shaft piles

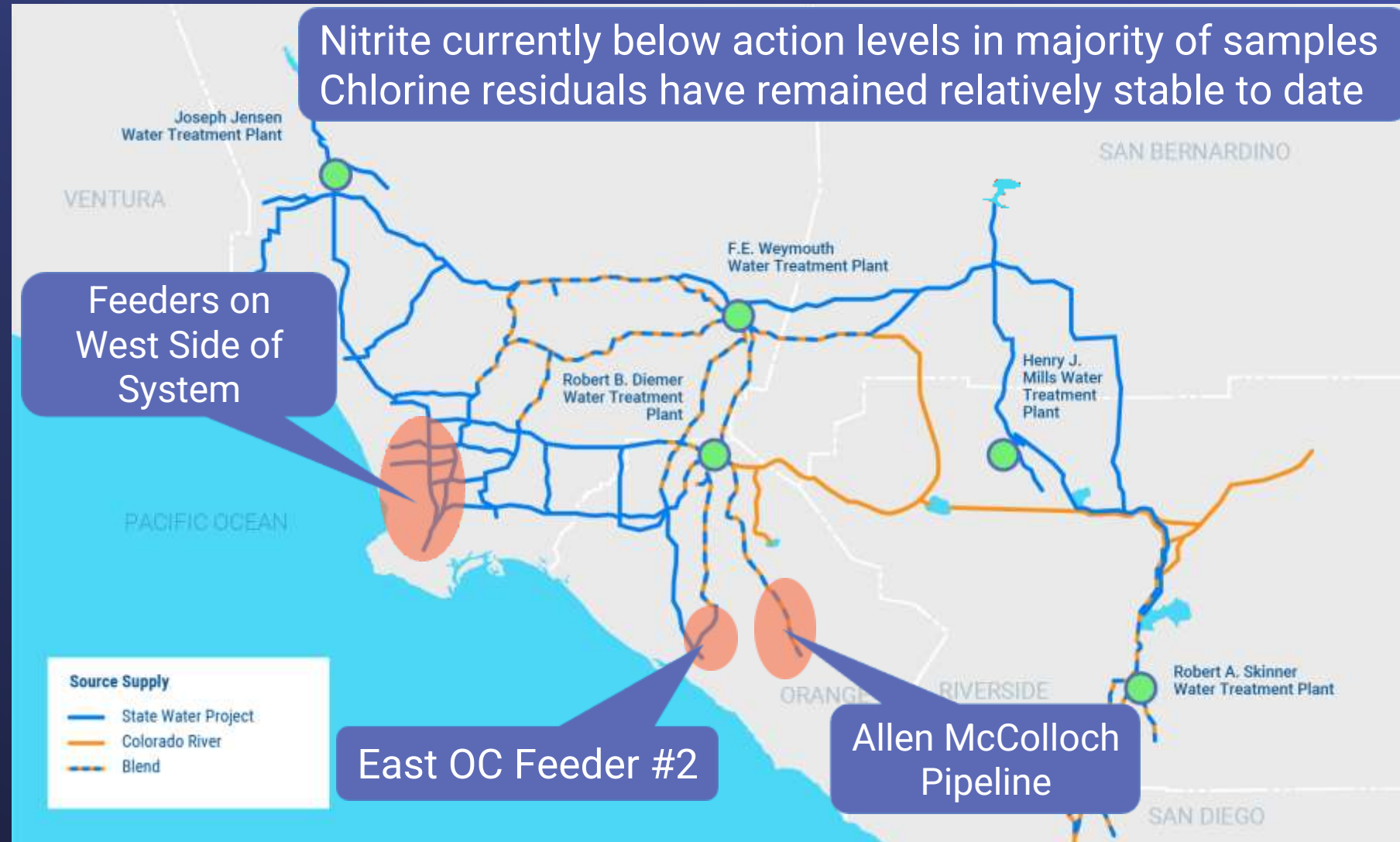
Water System Operations

Update by Shane Chapman

Conditions have Significantly Improved

Nitrification Event Summer 2023

*Extensive
coordination with
member and
retail agencies*



Nitrification Event Summer 2023



Water Quality Monitoring

Conditions Have Significantly Improved

- Actions taken to manage event
 - System changes to increase flows in affected areas
 - Chemical and blend adjustments at treatment plants
 - Pipeline flushing at multiple feeders
 - Increased monitoring throughout distribution system
- Next steps
 - Continue operational changes to minimize water age; performing flushing if necessary
 - As conditions continue to improve, slowly return treatment plants to normal operations
- Thank you to member agencies on collaboration in managing this challenging event

Whitewater Replenishment Facilities



Repairing Whitewater
Conveyance Channel

October 9, 2023

Partnering on Facility Repairs

- Metropolitan staff continue supporting excavation and earthmoving to rebuild over four miles of conveyance channel
- Repair schedule accelerated
 - Partial deliveries (up to 400 cfs) started October 2
 - Full delivery (up to 700 cfs) anticipated by late October/ early November
- Projected reduction in DWCV recharge capability in 2023 is 78 TAF due to storm damage
 - Originally 107 TAF impact without Metropolitan's support
- Projected 2023 deliveries to DWCV is ~275 TAF

Ensuring Continued System Reliability

2023/24 Shutdown Schedule

- Shutdown Schedule presented to Member Agencies on Sep. 28
- Features detailed schedule of 21 major shutdowns planned for 2023/24 season
- Also includes preliminary three-year look-ahead schedule for longer-term planning
- Developed through extensive collaboration with member and retail agencies, and DWR



Managing Surplus Conditions

Current Operational Conditions

- 2023 SWP Allocation at 100%
- CRA at 3-pump flow
- Deliveries to USG-03 resumed September 15
- Deliveries to DWCV resumed October 2
- SWP blend targets are 80% at Weymouth, 35% at Diemer, and 60% at Skinner
- September 2023 deliveries of 130 TAF were 6 TAF lower than September 2022

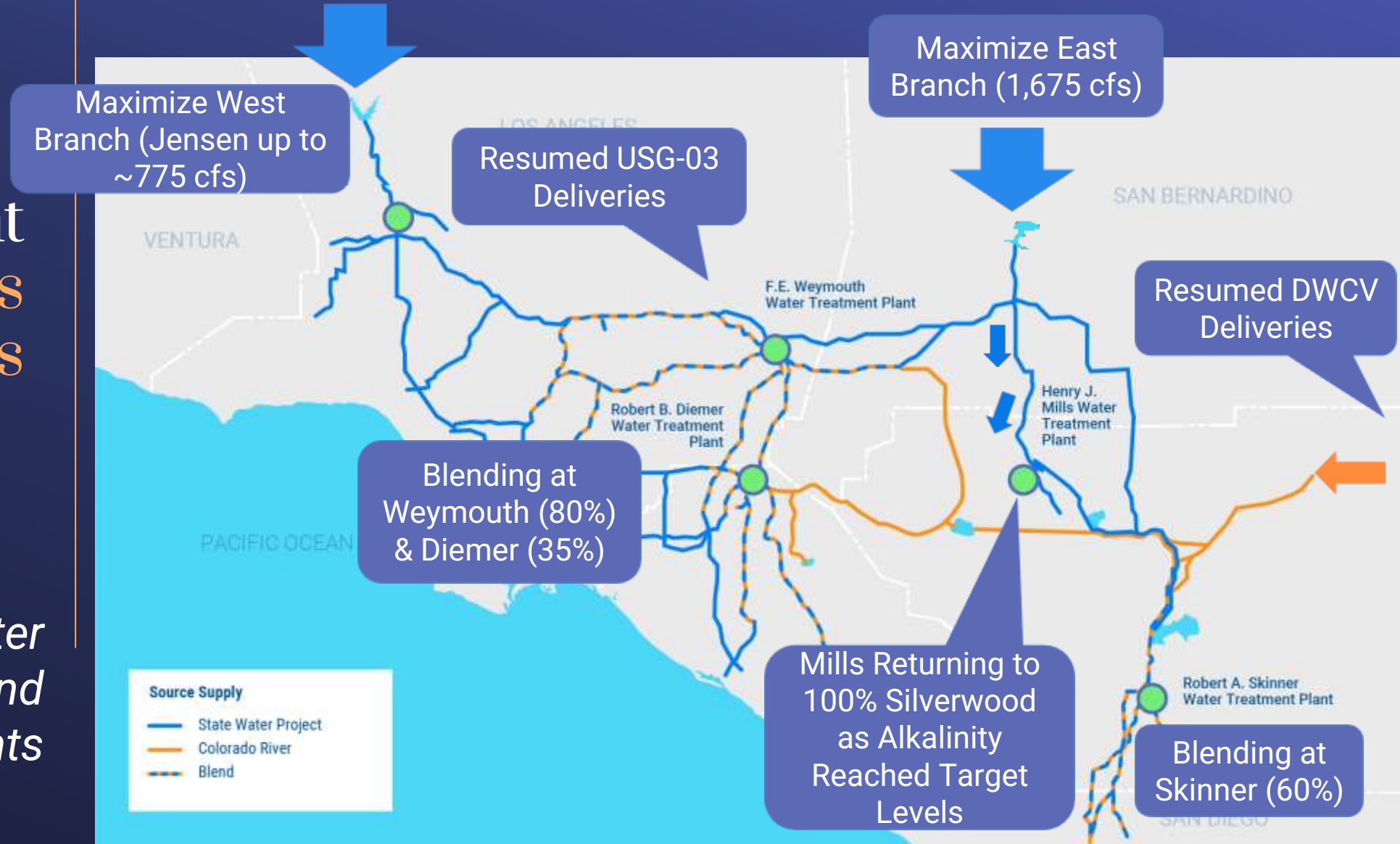


USG-03 Deliveries

Maximizing SWP Supplies

Current
Surplus
Operations

Balancing water supply, quality, and system constraints

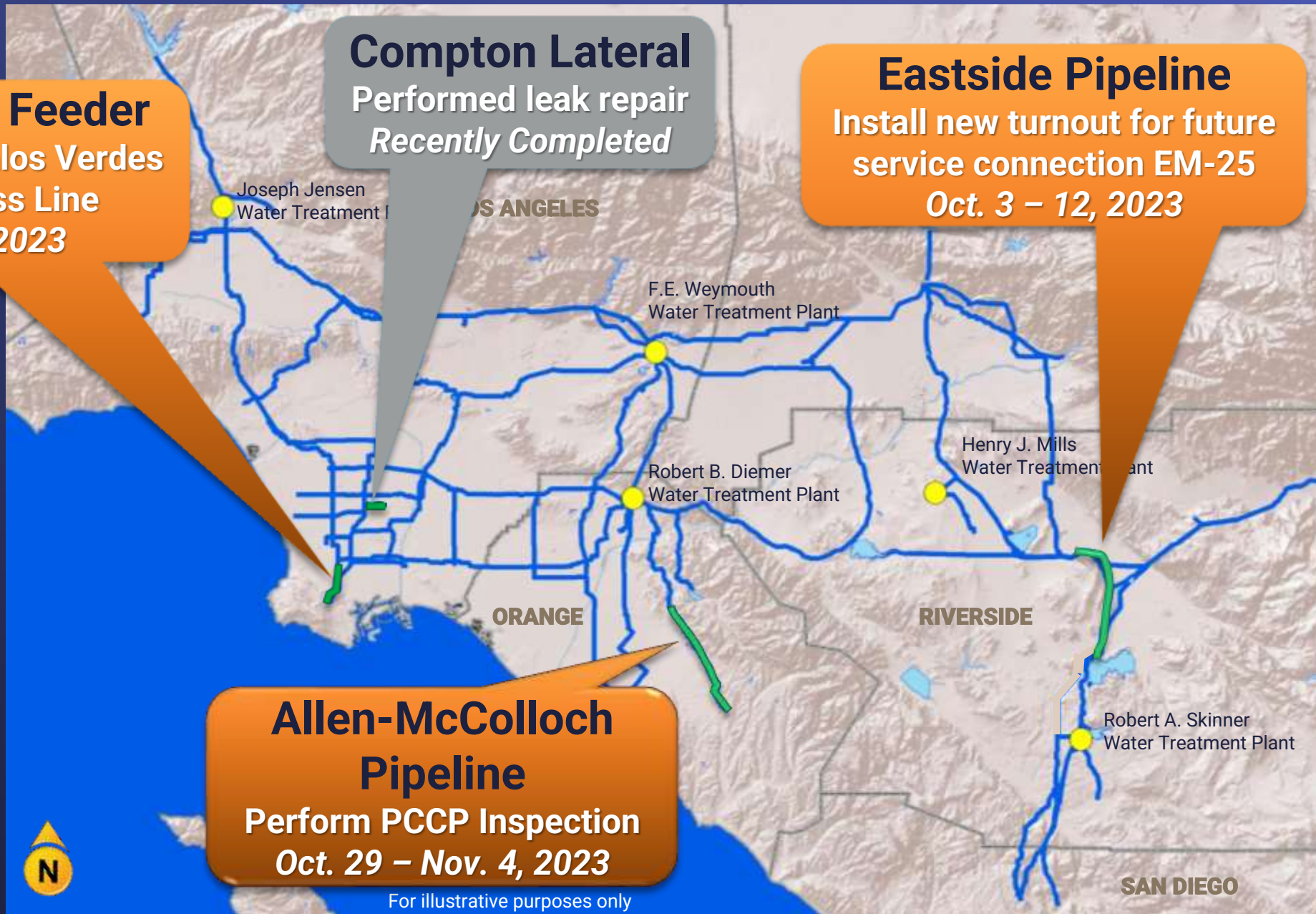


Ensuring Continued System Reliability

Second Lower Feeder
Tie-in temporary Palos Verdes Reservoir Bypass Line
Oct. 20 – 27, 2023

Compton Lateral
Performed leak repair
Recently Completed

Eastside Pipeline
Install new turnout for future service connection EM-25
Oct. 3 – 12, 2023



Allen-McColloch Pipeline
Perform PCCP Inspection
Oct. 29 – Nov. 4, 2023

For illustrative purposes only

Member Agency Water Quality Managers Meeting



Water Quality Lab
September 28, 2023

Engaging on Key Regulatory Matters

Morning session (hybrid)

- 40 in-person and 15 online attendees (24 agencies)
- Presentations on federal and state regulatory efforts on DPR, PFAS, perchlorate, chromium-6, fluoride, CCR, WOTUS, climate resiliency, and other topics

Afternoon session (in-person)

- Ad Hoc Water Quality Workgroup (7 agencies)
- Issues impacting water utility labs
 - Lab accreditation, ELAP, TNI, lab capacity, monitoring requirements, microplastics monitoring
- *Workgroup Goal: Advocacy with SWRCB and EPA for water utility lab's critical role in protecting public health*

