

Operations and Maintenance
Infoshare Group - Report to BACWA Board

Committee Meeting on: 11/07/23
Executive Board Meeting Date: 11/17/23
Committee Chair: Yanming Zhang, City of Livermore

Committee Request for Board Action: None

16 attendees representing 8 member agencies, plus additional staff from City of Livermore.
The committee is recruiting for an additional chair to help facilitate tours and lead discussions.

City of Livermore Recycled Water Program and Current CIP Projects

Yanming Zhang from the City of Livermore shared information about the City's wastewater treatment plant, and also shared the City's public outreach video about the facility ([link to video](#)). The City is currently installing stainless steel screw pumps in the headworks, which were featured in the tour (see below). Anthony Smith from the City of Livermore provided an overview of the City's existing recycled water system, as well as planned changes that will decrease in-plant demand. The City's capacity to produce recycled water is higher than customer demand, and City staff plan to engage with the Council regarding recycled water planning in the coming months. Slides from the presentation are available [here](#).

Plant Tour



Operator Discussion Topics. Attendees discussed:

- **Co-thickening** of primary and secondary sludge.
- **Microscopic Examination** of sludge. Several attendees noted that they do this routinely to have advance warning of changes to operating conditions, such as a need to waste filamentous bacteria. One plant reported using a Sentry meter to monitor the bacterial community ([link](#)). Training from [Environmental Leverage](#) is a potential resource. This could be a good topic for a future training session.
- **Remote Access to SCADA.** Attendees discussed the pros/cons and technological implementation barriers for remote access. Many agencies have the ability for operators to view facility operating conditions remotely; relatively few facilities have remote operability at the current time.

Next Meeting: Tentatively Early 2024 at EBMUD.

The tour will include a discussion of EBMUD's recent successes achieving split-stream biological nutrient removal.