

Committee Request for Board Action: None

Attendees participated remotely and in-person at EBMUD's Administration Building.

City of Petaluma Recycled Water Program

Chelsea Thompson (Deputy Director of Environmental Services, City of Petaluma) provided an overview of the City's recycled water program ([link to slides](#)). The City's Ellis Creek Water Recycling Facility (ADWF during the drought = 3.7 MGD) includes tertiary treatment and disinfection to provide non-potable recycled water. River discharge is prohibited May 1 to Oct. 20, which has encouraged system expansion. The City is part of the North Bay Reuse Association. The City plans to expand tertiary treatment capacity from 4.68 to 6.8 MGD by 2026. The program currently has 23 customers, about 10% in the potable service area. Most existing customers are on the east side of the river, raising issues of equity and environmental impact. Potable offsets are about 65 MG/year. Plans for urban expansion include 6,700 LF of new pipeline for 76 AF. Plans for ag expansion include 14,000 LF of new pipeline for 300 AF. The City received about \$16.4 Million in grant funding for these expansion projects. Next steps include Integrated Water Master Planning including recycled water, groundwater, regional brackish water desalination, and stormwater capture. Challenges include low recycled water rates that do not cover cost of operations; ag customers do not provide potable offset; and the difficulty of pipeline expansion across the river. Considerations include having separate urban and ag rates, or seasonal ag rates to encourage off season storage.

Funding Updates

Sachi Itagaki (Kennedy Jenks) provided updates on state and federal funding opportunities. [Recycled Water Facilities Planning Grants](#) continue to be available from the State Water Board, for up \$500,000 at a 50% match. Funding for pilot studies to support future potable reuse may also be available from the State Water Board (CEQA must be complete). Construction grants are also available from the [State Water Board](#) (up to \$15M for 35% of total project); applications are rolling. [USBR WaterSMART](#) recycled water and desalination feasibility study planning grants may be funded in FY24 (pending federal budget; 35% of project cost up to \$1M). The next round of construction grant funding for Title XVI projects and for large-scale water recycling projects is expected in August 2023 (see [WaterSMART Schedule](#)). Construction loans are available through USEPA WIFIA and CWSRF (limited funds).

Regional Recycled Water Study Update

Mike Falk (HDR) shared that the finalized [Regional Evaluation of Potential Nutrient Discharge Reduction by Water Recycling](#) was submitted to the Regional Water Board by the July 1st deadline. In the report, recycled water projects are categorized by confidence levels 1-4. Currently, approximately 15% of dry season flows and 7% of nutrient loads are diverted from the Bay. By 2045, this could grow to 39% of flows and 15% of loads (see Tables 3-22 and 3-23). The total estimated cost of the recycled water projects identified in the report is approximately \$5.1 billion. The types of recycled water are expected to change over time. In 2020, 43,200 AF was delivered to mostly industrial and landscape customers. Projected deliveries for 2045 of 140,200 AF are mostly indirect potable reuse, industrial and landscape. Next steps include advancing a menu of nutrient removal options for POTWs, and reissuing the Nutrient Watershed Permit in 2024.

Title 22 Engineering Reports

Carrie Del Boccio (Woodard & Curran) reported on revised [Guidelines for the Preparation of Title 22 Engineering Reports](#). The previous version was from 2001. Updates include new outlines that include potable reuse projects, expanded requirements related to operations, disinfection and process flow diagrams in Section 2.5, and use information now split between Section 4 (Use Areas) and Section 4 (Recycled Water Uses).

Site Supervisor Training Update

A subcommittee is continuing to develop a site supervisor training video. Links to the third and fourth draft videos were shared with committee members, and the videos should be finalized later this summer.

Legislation and Regulatory Update

Reena Thomas (EBMUD) provided an update on state legislation, including these bills of interest:

- [AB 682](#) (Matthis) – SWRCB online search tool. WRCA support position. No issues anticipated.
- [SB 366](#) (Caballero) – CMUA bill requiring water planning targets – WRCA support position. Amendments clarify targets are only for planning purposes and not mandates.
- [SB 745](#) (Cortese) – Drought Resistant Building Act – WRCA maintains oppose unless amended position. Building Standards Commission to “consider requiring” onsite reuse in commercial and housing buildings. WRCA proposing to remove “requiring” language to clarify that this is voluntary.
- [AB 1572](#) (Friedman) – Non-functional turf – WRCA maintains neutral, watch position. Does not include/apply to recycled water.

DDW has released the Direct Potable Reuse [“Advance Copy” of Draft Regulation Text](#). The Notice of Proposed Rulemaking was expected July 21st to begin the 45-day public comment period. A cursory review noted some, but not all comments from CASA/WateReuse were addressed in the revision.

Announcements

- [Materials](#) from a March 2023 workshop on social and racial justice for wastewater agencies are now available from the [San Francisco Estuary Partnership](#)

Save the Date!

Wednesday, September 20, 2023

Advancing Water Reuse in the Bay Area: Exploring Opportunities and Challenges for Interagency Collaboration.

This workshop will be held from 9 am to 3:15 pm at the Regional Water Board’s offices in downtown Oakland.

Next Regular Meeting – Tuesday, November 21 2023, 10:30 am - Zoom