

BACWA Recycled Water Committee Meeting Notes

January 18, 2022

Meeting held via videoconference

1. Introductions (Olson)

Stefanie Olson, Co-Chair	DSRSD	Lucy Croy	Marin Water
Reena Thomas, Co-chair	EBMUD	Maricate Mangan	Valley Water
Alex Bucher	West Yost	Mary Cousins	BACWA
Akin Fayehun	Petaluma	Medi Sinaki	Valley Water
Annahita Fallah	SFPUC	Melanie Tan	Kennedy Jenks
Anita Jain	West Yost	Melody LaBella	Central San
Billy Dixon	Sonoma Co. Water	Negin Ashoori	BAWSCA
Cheryl Muñoz	City of Hayward	Pam Phillips	City of American Canyon
Diego Martinez Garcia	City of Palo Alto	Pedro Hernandez	South Bay Water Recyc.
Eric Rosenblum	Enviroinspectives	Rhodora Biagtan	West Yost
Florence Wedington	EBMUD	Richard Foss	Central San
Jed Beyer	West Bay SD	Sam Leu	City of Sacramento
Jennifer Lau Larsen	Kennedy Jenks	Sarah Rhodes	Woodard & Curran
June Leng	HDR	Sergio Ramirez	West Bay SD
Kevin Calcagno	Eurofins	Sindy Mulyono-Danre	Redwood City
Lauren Roth Venu	3Rwater	Tom Hall	EOA
Lei Hong	Valley Water	Tony Williams	North Marin Water District
Liana Olsen	Central San	Tracy Warriner	Carollo
Lorien Fono	BACWA	Will Burrell	Regional Water Board

2. Funding Opportunities

Federal (Cheryl Muñoz, Hayward):

Focus is moving to implementation of the Infrastructure Investments and Jobs Act signed into law in November. The Act includes \$1B for water recycling WIIN grants and Title XVI over five fiscal years, broken down into \$550M for Title XVI and WIIN Act grants and \$450M for large scale projects. For new alternative water supplies, there is no appropriation but there is an authorization for \$125M. USBR has opened Title XVI funding opportunities, including a WIIN Act funding opportunities, and applications are due March 15, 2022. See [Title XVI - Water Reclamation and Reuse | Bureau of Reclamation \(usbr.gov\)](#)

The federal "Build Back Better Act" has infrastructure funding including water recycling and appropriation of the \$125M for alternative water sources. It is still under consideration by Congress.

State (Reena Thomas, EBMUD):

In December, DWR released a final solicitation package for Round 2 of [IRWMP Prop 1 funding](#), which states that approximately \$182 million will be made available for implementation grant awards in Round 2. The BAIRWMP Process and Planning Committee plans to submit an application for the solicitation and has met to discuss how projects will be selected for the application.

Any project seeking funding through the State Revolving Fund needs to comply with the [American Iron and Steel Act](#). Agencies should familiarize themselves with these requirements, which requires compliance documentation from vendors.

3. Update on San Francisco's [Onsite Water Reuse Program](#) (Taylor Nokhoudian, SFPUC)

SFPUC provided an update on San Francisco's Non-Potable Water Ordinance (slides are available [here](#)). One important aspect of the Ordinance is that it establishes roles and responsibilities for City agency coordination for tasks such as cross-connection control (SFPUC), issuing permits to operate (Environmental Health), and inspecting plumbing installations (Dept. of Building Inspection).

In 2015, the Onsite Water Reuse program became mandatory for new development projects greater than 250,000 square feet. In 2021, the ordinance was updated, lowering the square footage requirement to apply to new buildings greater than 100,000 square feet. Revisions in 2021 also modified requirements for multi-family and mixed-used residential buildings, and removed a requirement to capture rainwater, among other changes. The City offers grants for implementation.

There are currently 25 mandatory non-potable graywater projects in the City, 6 blackwater systems, 4 voluntary graywater systems, 3 foundation drainage systems, and 1 brewery process water reuse system. By 2040, the ordinance is expected to result in an ongoing water savings of about 1.5 MGD.

The State is currently developing risk-based onsite water reuse standards, which are required to be developed by December 1, 2022 per SB 966. You can subscribe to updates from the State Water Board [here](#) (list name: *Drinking Water Onsite Non-potable Reuse*). The overall risk-based framework used by the State is expected to be similar to the City's, although some details may change.

4. Salesforce Tower Cross-Connection Test for a Dual Plumbed System (Alex Bucher, West Yost)

Alex Bucher's slides are available [here](#). Salesforce Tower has a blackwater recycling system, though it is not currently operational due to low occupancy. A cross-connection shutdown test was recently performed at the building by West Yost. Due to the logistical challenges of conducting a visual test with over 1,300 potable water fixtures and inaccessible private suites, the test was conducted using a pressure differential shutdown test. This type of test is the only test approved in Southern California by DDW for all site types (parks, schools, medians, etc.). The test utilized the PRVs that are part of the distribution system within the building (each PRV serves 7-9 floors). Only 2-3 staff were required. Protocols for future cross-connection testing should be considered during the design phase for dual-plumbed buildings.

5. Site Supervisor Training Update

The committee is moving forward with plans to conduct a site supervisor training video series in calendar year 2022, provided the BACWA Executive Board approves funding to hire a video editor. The initial concept is to develop 4 videos, each about 10 minutes long. Anyone interested in helping with video production should contact Stefanie Olson.

6. Legislation and Regulatory Update (Reena Thomas, EBMUD)

Bills to watch include AB 1434 (Friedman), which would establish indoor residential water use standards, and AB 835 (Sponsors are seeking a new author to replace Gabriel), which would require dual plumbing for onsite reuse in certain types of new buildings.

7. BACWA Updates

- The 3rd meeting of the Expert Panel for DPR is on January 26th:
https://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/docs/2022/epmtg3agenda.pdf
- The BACWA Executive Board recently received an update from the Bay Area One Water Network, which plans workshops on water conservation and desalination in 2022:
<https://www.bayareawater.org/reports/report-advancing-water-reuse>
- BACWA is participating in the update of the Estuary Blueprint, which calls for expanding the use of recycled water: <https://www.sfestuary.org/>
- Nominate a colleague for the Arleen Navarret award!
<https://bacwa.org/bacwa-arleen-navarret-award/>

Next Meeting: Tuesday, March 15, 2022, 10:30 AM by Zoom.