ALAMEDA COUNTY WATER DISTRICT

43885 So. Grimmer Boulevard
Fremont, CA  94538

WATER RESOURCES AND CONSERVATION COMMITTEE

AGENDA

Tuesday, May 24, 2022

4:15 p.m.

ACCESSIBLE PUBLIC MEETINGS: Upon request, ACWD will provide written agenda materials in appropriate alternative formats, or disability-related modification or accommodation, including auxiliary aids or services, to enable individuals with disabilities to participate in public meetings. Please send a written request at least 72 hours before the meeting to the District Secretary, ACWD, 43885 S. Grimmer Blvd., Fremont, CA 94538, or to gina.markou@acwd.com stating your name, mailing address, phone number, and brief description of the requested materials and preferred alternative format or auxiliary aid or service.

MEMBERS OF THE PUBLIC MAY PARTICIPATE IN THIS MEETING IN PERSON AT THE DISTRICT OFFICE LOCATED AT 43885 SOUTH GRIMMER BOULEVARD, FREMONT OR VIA WEBINAR OR TELECONFERENCE DUE TO THE COVID-19 PANDEMIC AND IN ACCORDANCE WITH ASSEMBLY BILL 361, WHICH MODIFIES GOVERNMENT CODE SECTION 54953.

TO PARTICIPATE VIA WEBINAR, USE THE FOLLOWING LINK: https://us02web.zoom.us/j/98495972070. TO PARTICIPATE VIA TELECONFERENCE, CALL ANY OF THE FOLLOWING PHONE NUMBERS: 1-669-900-9128 or 1-346-248-7799 or 1-301-715-8592 FOLLOWED BY 984 9597 2070.

1. Drought Update
   Presenter: Leonard Ash

2. San Francisco Public Utilities Commission Water Supply Agreement Tier 2 Drought Implementation Plan Among Wholesale Customers
   Presenter: Leonard Ash

3. Water Supply and Planning Division Personnel Changes
   Presenter: Thomas Niesar
4. Regional Purified Water Pilot Project Collaboration  
   Presenter: Thomas Niesar

5. Water Use Efficiency Program Update  
   Presenter: Megan Maurino

6. Public Comments
Drought Update

Water Resources and Conservation Committee
May 24, 2022
Agenda Item 1
Local Precipitation

Precipitation Rainfall at Blending Facility Rain Gauge

Current as of 05/16/2022

as of 5/15/2022

Water Resources and Conservation Committee, May 24, 2022
Agenda Item 1, Slide 2
Updates on ACWD Water Supplies

- San Francisco Public Utilities Commission (SFPUC) imports
- Department of Water Resources (DWR) State Water Project (SWP) imports
- Local supplies
- Dry year transfer opportunities
Statewide Actions

- State Water Resources Control Board (SWRCB) to consider adopting emergency regulations requiring:
  - Submission of water supply and demand assessments by June 1, 2022
  - Adoption of Stage 2 water shortage level response actions
  - Definition of functional turf and a ban on the irrigation of non-functional turf in non-residential sites as early as the summer of 2022
- SWRCB received public comment on the proposed emergency regulation text
- SWRCB noticed a public meeting for May 24, 2022 to consider regulation
2022 Demand Tracking

**Monthly Demands**

- 2015 Actual (monthly avg.)
- 2021 Actual (monthly avg.)
- 2020 Actual (monthly avg.)
- Approx. Target with 15% Conservation
- 2022 Year-to-date

**Current as of 05/15/2022**

As of 05/15/2022
NOTE: Early February 2022 call/email data tracked differently than prior months. This resulted in slightly higher weekly numbers. Data tracking for March 2022 returned to standard reporting procedure.
Additional Activities

• Continue implementation of Mandatory Water Use Restrictions Ordinance adopted on 12/09/2021
• Summer Aqueduct Newsletter article on restrictions
• Coordination with Public Affairs to develop and execute summer outreach plan
Targeted Outreach

- Letters to Homeowners Associations and Multi-Family Residential complexes
- Revising conservation tip sheets for all customer classes to reflect new developments
- Updating website to include customer specific sections with relevant resources
- Flyer distribution to businesses and residents
Community Events

- Niles Canyon Stroll and Roll – 5/01
- Bringing Back the Natives Garden Tour – 4/30 - 5/01
- Landscape Workshop: Lawn Be Gone Rebate & Water Wise Gardening – 5/11
- City of Newark New City Hall/Police Station Grand Opening – 5/14
- Environmental Youth Summit – 5/23
- Assessor’s Office Annual Homeowners Fair – 5/25
- Assembly Member Alex Lee Town Hall – 6/12
Regional Purified Water Pilot Project Collaboration

Water Resources and Conservation Committee
May 24, 2022

Presenter: Thomas Niesar, Water Supply & Planning Manager
Regional Purified Water Pilot Project
Dublin San Ramon Services District (DSRSD) and Alameda County Water District (ACWD) are studying the potential to develop a purified water pilot project in collaboration with other Bay Area water and wastewater agencies. The pilot would leverage existing resources and infrastructure to demonstrate and build public awareness around the benefits of purified water and regional collaboration.

Purified Water is one of multiple water supply options being explored by Bay Area agencies to improve long-term water resiliency for the region. Purified water is produced using advanced treatment technologies to purify treated wastewater effluent to a high quality that is suitable for augmenting drinking water sources. Purified water is a new, locally available and sustainable supply that makes use of a resource that would otherwise be discharged to San Francisco Bay.

Pilot Concept
The proposed concept was developed through a series of regional stakeholder workshops. The pilot would purify secondary effluent from the Livermore-Amador Valley Water Management Agency (LAVWMA), which originates from DSRSD and Livermore Wastewater Treatment Plants and is currently discharged to the San Francisco Bay. The pilot project would operate year round with flows from DSRSD and Livermore, or seasonally with flows from only DSRSD due to existing irrigation recycled water demands. Utilizing treated wastewater flows would retain this resource locally and purify it through a multi-step advanced treatment process involving membrane filtration, reverse osmosis, and ultraviolet light advanced oxidation. The envisioned pilot project would deliver 0.2 million gallons per day of purified water to a nearby canal, which would supplement flows in Alameda Creek and ultimately be diverted by ACWD downstream for groundwater recharge.

Key Benefits of Purified Water Pilot
- Provides an interactive public outreach opportunity.
- Demonstrates the safety and effectiveness of purified water technology.
- Collects data to inform future full-scale regional purified water project options.
- Promotes regional collaboration.
- Leverages existing infrastructure and makes use of wastewater currently discharged to San Francisco Bay.
Regional Collaboration

The purified water pilot would bring together partners currently involved in other ongoing regional efforts and build upon both the Tri-City and the Tri-Valley studies. The purified water pilot would benefit these ongoing efforts and the broader region by performing public outreach and education and collecting data to inform future full-scale reuse efforts and/or water transfer or exchange partnerships in the Bay Area.

Potential Partner Agencies

These agencies have provided input to develop the pilot concept and are evaluating potential participation in Phase 2 of the project.

- Alameda County Water District
- City of Livermore
- Dublin San Ramon Services District
- Livermore-Amador Valley Water Management Agency
- Union Sanitary District
- Zone 7 Water Agency

Public Outreach and Education

The pilot would be designed to enable public tours and other interactive outreach components—such as displaying real-time water quality data and producing purified water on-site.

Estimated Timing

<table>
<thead>
<tr>
<th>PHASE 1</th>
<th>2022</th>
<th>2023</th>
<th>2024</th>
<th>2025</th>
</tr>
</thead>
<tbody>
<tr>
<td>Initial Feasibility Study</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PHASE 2</th>
<th>2022</th>
<th>2023</th>
<th>2024</th>
<th>2025</th>
</tr>
</thead>
<tbody>
<tr>
<td>Public Outreach</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Grant Funding</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PHASE 3</th>
<th>2022</th>
<th>2023</th>
<th>2024</th>
<th>2025</th>
</tr>
</thead>
<tbody>
<tr>
<td>Implement Pilot</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* Decision point for participation in next phase
Water Resources and Conservation Committee
May 24, 2022

Presenter: Megan Maurino, Water Use Efficiency Specialist

Water Use Efficiency Program Update
Bay Area Water Supply and Conservation Agency (BAWSCA) FY 2022/23 Programs

District Participation Renewals:

• **Rain Barrel Rebate Program** – All customers can receive $50 per rain barrel for up to two rain barrels.

• **Lawn Be Gone Rebate Program** – All customers a rebate for the removal of turf to install water-efficient landscaping at a $2 per square foot rebate of up to $3,000 for single family residential customers and up to $20,000 for commercial and industrial customers, multifamily homes, and Homeowners Associations.

• **Regional Smart Controller Program** – Residential customers can receive an instant incentive of $75 when purchasing a Rachio Inc. controller.
BAWSCA FY 2022/23 Programs

District Participation Renewals:

• **Large Landscape Program** – Landscape water audits and online water use budget tool for large landscape customers with dedicated landscape meters through Waterfluence.

• **Irrigation Hardware Rebate Program** – Through this program, the District offers customers a rebate of up to $5 for high-efficiency sprinkler nozzles, up to $10 for spray bodies with pressure regulation, and up to $30 for large rotors.

• **Water Loss Management Program** – Through this program, the District would receive support and validation of the 2021 Water Loss Audit through E Source, BAWSCA’s subcontractor.

Participation in these BAWSCA Programs are part of the recommended strategy in the Water Efficiency Master Plan (WEMP).
Thank you!

Questions?