



DSRSD • EBMUD Recycled Water Authority
PARTNERS IN WATER RECYCLING

DATE: February 3, 2025
MEMO TO: Board of Directors
FROM: Vivian Housen, Authority Manager
SUBJECT: Authority Manager Update

ADMINISTRATION

Central Contra Costa Sanitary District (Central San) Short-Term Supply Agreement Extension. On October 18, 2024, Central San and DERWA executed the final one-year extension to the temporary agreement to divert 0.7 million gallons per day (MGD) of Central San's raw wastewater upstream of the San Ramon Pumping Station.

In December 2024, Central San staff provided DERWA and member staff a draft term sheet for a long-term agreement for review. DERWA and member staff have reviewed the term sheet and discussed comments with Central San staff. Central San staff are incorporating the comments and will provide an updated term sheet to DERWA and member staff for further review.

Permit Agreement for Use of Dublin San Ramon Services District (DSRSD) Boardroom and conference facilities by DERWA. DERWA staff have signed a Facility Use Permit for continued use of the DSRSD Boardroom and other specific facilities in calendar year 2025.

Staff Meetings.

- On December 18, 2024, DERWA and member agency staff met to discuss the draft term sheet that was provided by Central San staff for the long-term wastewater diversion agreement. On January 10, 2025, DERWA and member agency staff met with Central San staff to review these comments further.
- On January 22, 2025, the DERWA manager and DSRSD Operations Director met to review DERWA operations and upcoming needs.

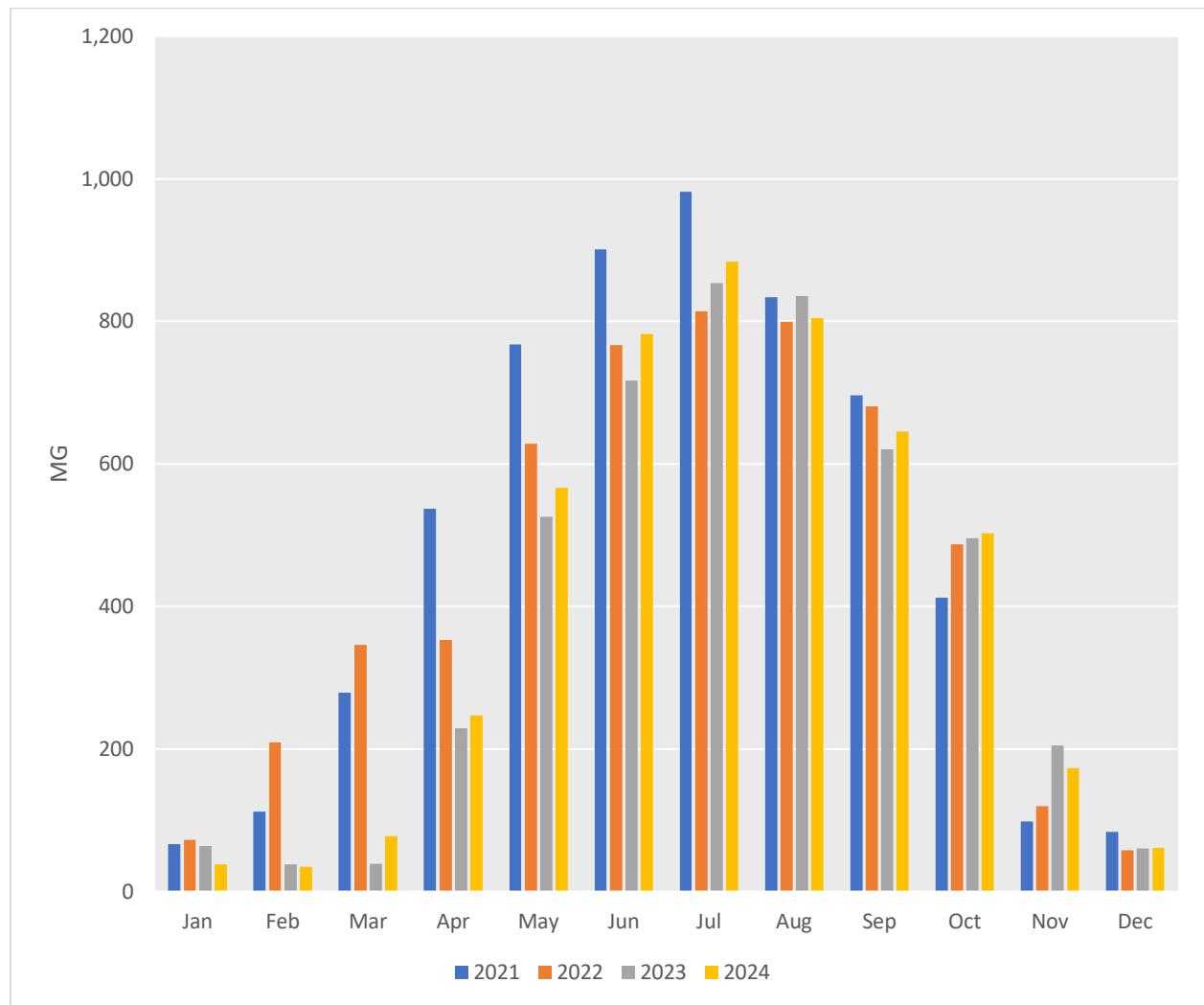
Other.

- There are no additional items to report.

OPERATIONS AND MAINTENANCE

2024 Year-to-Date Recycled Water Production. The DERWA Recycled Water Treatment Facility produced 4,816 acre-feet (AF) of recycled water in calendar year 2024, compared to 4,681 AF produced during the same period in 2023. Recycled water production for calendar year 2024 ended up being 2.9% higher than 2023. Like 2023, the DERWA-Central San Temporary Diversion of Wastewater Project was not operated in 2024 due to sufficient wastewater supplies and system management practices.

DERWA Recycled Water Production (Calendar Years 2021-2024)



Preventative Maintenance of DERWA Equipment. Irrigation season has ended and the demands for recycled water have declined to a point that allows for short shutdowns to perform routine winter maintenance.

Maintenance Schedule:

PSR1 - December 2024 - Complete

- Clean Wet Well: Removal of accumulated debris and sediment for general upkeep and cleaning.
- Install stop flange on old micro-filtration line: To isolate the recycled water system from the old micro-filtration system.
- Inspect PSR 1 Pump 4: Inspection of a specific pump or section to assess condition and performance.

Holding Basin 4 - January 2025 - Ongoing

- Clean Wet Well: Continuation of preventive maintenance to maintain system health and condition.
- Instrument Technicians to modify float switch relays: Adjustment and upgrade of control systems to improve reliability of level detection.
- Inspect Effluent Pump Station 2 Pump 5: Detailed inspection of equipment to prevent potential failures.
- Bird spikes on ballasted floc structure piping: Installation to deter nesting and prevent accumulation of bird waste.

Sand Filter 6 - February 2025 - Future

- De-sand and inspect Filter 6: Removal of sand and inspection to ensure reliable operation.
- Replace Air Lifts: Installation of new air lift mechanisms so that filter 6 continuous backwash stays reliable.
- Replace select components in air control panel: Upgrading or replacing parts to enhance control system functionality.

New Additions:

- Installation of floating scum removal pump: Addressing new challenges with chemical scum accumulation, enhancing treatment efficiency.

The winter schedule is designed to tackle both routine maintenance and emergent issues while the system demands are low, and allows for shutdowns for short periods. Each task is scheduled with consideration for seasonal impacts and interdependencies between different systems. The addition of new tasks reflects DERWA's adaptive approach to evolving operational needs. The successful execution of this schedule will ensure the continued reliability and efficiency of DERWA's recycled water treatment operations.