

**Metropolitan Domestic Water Improvement District
Board of Directors Meeting**

January 9, 2023

Monthly Status of the District – December 2022

Synopsis

The purpose of this agenda item is to provide the Board with an update of the District's activities for the past month. This is not an action item but is meant to provide information to the Board and give a clearer picture of the District's activities.

December 2022 Report

Water Usage/Quality

Amount of Water Consumed in Metro Main

FY 2023 Year to Date – 1,143,707,500 gallons

FY 2022 Year to Date – 1,167,951,400 gallons

Amount of Water Consumed in Metro Hub

FY 2023 Year to Date – 126,442,500 gallons

FY 2022 Year to Date – 130,573,100 gallons

Amount of Water Consumed in Metro Southwest

FY 2023 Year to Date – 90,426,000 gallons

FY 2022 Year to Date – 84,454,300 gallons

Revenue Metered Sales Billed in December 2022 – Grand Total \$1,492,002.25

Metro Main – \$1,266,191.75

Metro Hub – \$114,113.81

Metro Southwest – \$111,696.69

Prior Year Revenue Metered Sales Billed in December 2021 – Grand Total \$1,604,195.30

Metro Main – \$1,364,518.11

Metro Hub – \$126,951.13

Metro Southwest – \$112,726.06

Water Quality Samples

84 Microbiological samples taken from the distribution system.

10 Microbiological samples taken from the District's active wells.

75 Lab/field test samples for VOCs, IOCs, Metals, DBPs, Nitrate, 1,4-Dioxane, Perfluorinated Chemicals, Hexavalent Chromium, and Arsenic.

System Maintenance

Noteworthy Maintenance Projects and Major Repairs in December 2022:

1. Replaced two failed pressure transducers.
2. Repaired service line and 4" main in the E&T service area.
3. Repaired four main line breaks in the Metro Main Service Area.
4. Drained and cleaned the Diablo Village #1 storage tank for internal coating work.
5. Replaced failed electric valve actuator at Hardy.

Valves Exercised – 53

Meter Replacements – 39 – 5/8" meters; 3 – 3/4" meters; 5 – 1" meters; 1 – 1½" meters
Meters Tested – 6

New Meter Applications – 1 total
Metro Main – 1
Metro Hub – 0
Metro Southwest – 0

Customer Accounts

Total Customers Billed – 22,089

New Accounts – 125

Delinquent Accounts – December 2022
Initial Shut Off Notices – 1,301
Final Shut Offs – 168

High Consumption Contacts – 99

Service Orders & Work Orders and On's and Off Order Requests – Total performed: 176
Service Orders (generated from customers calling in with a problem) & Work Orders
(generated by staff when a need to perform additional work is recognized):
Metro Main – 16
Metro Hub – 7
Metro Southwest – 4
Meter On's and Off Order Requests
Metro Main – 112
Metro Hub – 1
Metro Southwest – 36

Water Sustainability Projects

2023 CAP Storage – The District has offered to participate in the US Bureau of Reclamation’s Lower Colorado River Conservation and Efficiency Program, with 5,000 acre-feet of CAP water for 2023-2025. Staff will be meeting with the Bureau of Reclamation to work out the details of an agreement in January 2023. Compensation for this volume of water at \$400 per acre-foot results in \$2 million of annual revenue. This volume of CAP will not be delivered to the District, but become part of the necessary conservation needed to stabilize Lake Mead and Lake Powell. This volume does not represent a reduction in the District’s allocation in future years. The remaining 8,460 acre-feet of the District’s CAP allocation will be delivered to GSF partners in 2023.

The City of Phoenix has ordered 7,200 acre-feet of CAP water to be delivered to AVRP in 2023. Deliveries of Phoenix water will begin at AVRP in March. Deliveries are anticipated to be complete by the end of November 2023.

South Shannon Treatment System Reimbursements – Since 2000, \$1,515,172.51 has been reimbursed by the Arizona Department of Environmental Quality (ADEQ). For Fiscal Year 2023, ADEQ has a budget of \$63,071 for operations and sampling, and \$44,558 for two GAC change outs of the South Shannon Treatment System. The invoice for December 2022 and January 2023 will be submitted in mid-February. The installation of the designed Advanced Oxidation Process system is expected to occur during Fiscal Year 2023. This will allow the operation of the South Shannon well at full capacity, and capture /treat the contaminant plume more efficiently.

Capital Improvement Program & Other Major Projects

Northwest Recharge, Recovery, and Delivery System (NWRDRS) (Partnered portion) The District’s miscellaneous design consultant completed a constructability and cost review of the existing design. The intent is to identify potential cost-savings measures for construction. The draft report was received on December 7, 2022 and was evaluated by staff. The report is also being reviewed by the project Partners. District staff are also evaluating design options at the Avra Valley / I-10 crossing due to a recent abandonment by Pima County of a portion of the right-of-way where the transmission main was proposed to be located. The outcome of staff’s evaluations will be included in any future redesign efforts.

NWRDRS (Metro-only portion)

Staff completed their review of the draft Landscape and Native Plant Mitigation Plan. A follow up meeting with the consultant is planned in early January. Staff received and are reviewing partial contract documents for the coordinated portions of the independent booster and pipeline projects.

E&T22 Well Replacement – Land acquisition activities are ongoing. The District’s contractor anticipates starting mobilization and drilling activities in January 2023. Easement staking and relocation of a portion of the existing fence has been

completed. A project sign has been hung from the existing E&T 22 fence in accordance with WIFA requirements. Staff is working with the contractor to ensure conformance with other WIFA requirements. Staff reached out to WIFA to arrange the initial site visit, which is anticipated to occur in early January (to be scheduled by WIFA).

Ironwood Well – The District’s contractor anticipates drilling activities to begin in March of 2023. The District’s miscellaneous design consultant submitted and staff reviewed the draft environmental information document. The document must be approved by WIFA and is subject to public review prior to commencing site activities.

New Linda Vista Well Deepening – The District’s contractor anticipates starting mobilization and drilling activities in late February 2023.

The Board should feel free to request any additional information that it would like to see on this report. Staff is prepared to discuss any questions that the Board may have regarding this report.

Respectfully Submitted,

Joseph Olsen, P.E.
General Manager