

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

January 8, 2024

Monthly Status of the District – December 2023

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 2023 Report

Water Usage/Quality

Amount of Water Consumed in Metro Main

FY 2024 Year to Date – 1,247,863,500 gallons

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

Amount of Water Consumed in Metro Hub

FY 2024 Year to Date – 140,130,900 gallons

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

Amount of Water Consumed in Metro Southwest

FY 2024 Year to Date – 93,232,900 gallons

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

Revenue Metered Sales Billed in December 2023 – Grand Total \$1,571,855.79

Metro Main – \$1,325,671.14

Metro Hub – \$122,253.02

Metro Southwest – \$123,931.63

Prior Year 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

Water Quality Samples

84 Microbiological samples taken from the distribution system.

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

72 Lab/field test samples for VOCs, SOCs, IOCs, DBPs, Nitrate, 1,4-Dioxane, PFAS compounds, Arsenic, and other metals.

System Maintenance

Noteworthy Maintenance Projects and Major Repairs in December 2023:

1. Replaced failed A/C fan on Booster #3 VFD at Magee La Cholla.
2. Relocate customer meters on South Nogales Highway for access.
3. Replaced corp stop due to leak and root intrusion.
4. Repaired 4" AC mainline on Bonita Place.
5. Repaired leaking service line on Iberia.

Valves Exercised – 53

Meter Replacements – 6 – 5/8" meters; 1 – 1½" meters
Meters Tested – 0

New Meter Applications – 4 total
Metro Main – 4
Metro Hub – 0
Metro Southwest – 0

Customer Accounts

Total Customers Billed – 22,135

New Accounts – 119

Delinquent Accounts – December 2023
Initial Shut Off Notices – 797
Final Shut Offs – 31

High Consumption Contacts – 65

Service Orders and On's and Off Order Requests – Total performed: 235

Service Orders:

Metro Main – 7
Metro Hub – 2
Metro Southwest – 3

Meter On's and Off Order Requests

Metro Main – 196
Metro Hub – 4
Metro Southwest – 23

Water Sustainability Projects

2023 CAP Storage –All of the District’s 8,460 acre-feet of ordered CAP water was successfully delivered in 2023 to groundwater savings facilities.

The City of Phoenix ordered 7,200 acre-feet of CAP water to be delivered to AVRVP in 2023. In November, it was decided to shift 500 acre-feet of Phoenix’s water to another location in the Phoenix AMA. As of the end of December 2023, all of Phoenix’s 6,700 acre-feet of water was delivered.

South Shannon Treatment System Reimbursements – Since 2000, \$1,606,766.18 has been reimbursed by the Arizona Department of Environmental Quality (ADEQ). A new funding agreement is before the Board for the remainder of Fiscal Year 2024 through 2028. The new agreement is to cover the costs of operations, sampling, and GAC changeouts, hydrogen peroxide and other maintenance requirements of the South Shannon Treatment Advanced Oxidation Process (AOP) System. Once operational, it is anticipated that the production rate for the well will increase to approximately 650 gallons per minute (gpm). The invoice for December 2023 will be submitted in January 2024.

Capital Improvement Program & Other Major Projects

Northwest Recharge, Recovery, and Delivery System (NWRRDS) (Partnered portion) The Construction Manager at Risk (CMAR) submitted the cost estimate and schedule, which is under review by staff and the partners. Rights of entry for the TEP and Unisource properties to facilitate environmental studies required for design have been secured. Staff secured the necessary permits from CAP for the upcoming construction work in the vicinity of the CAP canal.

NWRRDS (Metro-only portion) Staff previously submitted the environmental information document to agency reviewers and comments were due by December 28, 2023. Due to the holiday, some reviewers requested additional time. Following the agency reviews, a separate 30-day public comment period will commence. The additional scour documentation requested by Pima County was completed and approved by the agency. Staff incorporated all comments and prepared the final plans for submission to the County. The required floodplain use permit fee has been submitted. Pending any additional comments, staff anticipates receiving approval for the plan and floodplain use permit in the near future. The construction contract for phases 2, 3, and 4 of the pipeline is pending final signatures.

E&T22 Well Replacement – Land acquisition activities continue while staff finalizes the well equipping design. The electrical design is being completed by the District’s as-needed design consultant. Changes to the site grading were proposed by the contractor and are under review by staff.

Ironwood Well – The District’s well drilling contractor has completed the drilling and construction of the Ironwood Well. All post well construction work by the drilling

contractor was completed in December. The pipeline construction contract is pending final signatures.

New Linda Vista Well Deepening – The 12-inch screen was installed in the New Linda Vista well to a depth of 800 feet below land surface in early August. Brush and bailing work has been completed by the District’s pump equipment contractor. The contractor is in the process of installing a test pump to better determine the long-term performance of the modified well. After the pump contractor performs the well pumping, a sanitary seal and new monument will be constructed. Once the monument is completed, the contractor will begin re-equipping the well to bring it back into service.

Galvanized Pipe Replacement

Burton Drive: Staff is incorporating internal review comments in preparation for submission to Pima County. Once complete, the project will replace approximately 1,400 feet of 2” steel pipeline.

Rose Marie Lane: The results of the survey were submitted by the consultant, but were missing some information. Staff is working with the consultant to collect the missing information. Staff will begin design activities once survey work is completed. This project is anticipated to replace approximately 600 feet of 2” galvanized pipeline.

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