

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

February 12, 2024

Monthly Status of the District – January 2024

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.

February 2024 Report

Water Usage/Quality

Amount of Water Consumed in Metro Main

FY 2024 Year to Date – 1,396,402,100 gallons

FY 2023 Year to Date – 1,282,381,400 gallons

Amount of Water Consumed in Metro Hub

FY 2024 Year to Date – 156,247,400 gallons

FY 2023 Year to Date – 141,547,300 gallons

Amount of Water Consumed in Metro Southwest

FY 2024 Year to Date – 106,973,400 gallons

FY 2023 Year to Date – 104,098,400 gallons

Revenue Metered Sales Billed in January 2024 – Grand Total \$1,490,007.49

Metro Main – \$1,255,192.22

Metro Hub – \$114,797.22

Metro Southwest – \$120,018.05

Prior Year Revenue Metered Sales Billed in January 2023 – Grand Total \$1,357,862.41

Metro Main – \$1,143,074.49

Metro Hub – \$102,732.85

Metro Southwest – \$112,055.07

Water Quality Samples

84 Microbiological samples taken from the distribution system.

31 Microbiological samples taken from the District’s active wells.

57 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 January 2024:

1. Removed media from Diablo Village #1 treatment vessel for regeneration.
2. Completed the annual testing of meters 3” and larger.
3. Replaced 120’ of galvanized line with PVC.
4. Dive inspections and cleaning were completed for the Herb Johnson and Jim Tripp Reservoirs.
5. Completed engine controller replacement on the Hub Reservoir diesel auxiliary pump.

Valves Exercised – 42

Meter Replacements – 6 – 5/8” meters; 7 – 1” meters; 6 – 1½” meters

Meters Tested – 2

New Meter Applications – 8 total

Metro Main – 8

Metro Hub – 0

Metro Southwest – 0

Customer Accounts

Total Customers Billed – 22,140

New Accounts – 135

Delinquent Accounts – January 2024

Initial Shut Off Notices – 610

Final Shut Offs – 76

High Consumption Contacts – 52

Service Orders and On’s and Off Order Requests – Total performed: 300

Service Orders:

Metro Main – 7

Metro Hub – 11

Metro Southwest – 59

Meter On’s and Off Order Requests

Metro Main – 211

Metro Hub – 4

Metro Southwest – 8

Water Sustainability Projects

2023 CAP Storage –All of the District’s 8,460 acre-feet of ordered CAP water will be delivered in 2024 to groundwater savings facilities.

The City of Phoenix ordered 7,200 acre-feet of CAP water to be delivered to AVRVP in 2024. Deliveries of Phoenix’s water began on January 3, 2024.

South Shannon Treatment System Reimbursements – Since 2000, \$1,610,216.18 has been reimbursed by the Arizona Department of Environmental Quality (ADEQ). A new funding agreement with ADEQ for the remainder of Fiscal Year 2024 through 2028 is in the process of being executed. 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 January 2024 will be submitted in February 2024.

Capital Improvement Program & Other Major Projects

Northwest Recharge, Recovery, and Delivery System (NWRDRS) (Partnered portion) The Construction Manager at Risk (CMAR) submitted suggested value engineering options for consideration by the Partners. Environmental field work has substantially been completed for easement acquisition of the TEP and Unisource properties. Summary reports are underway, with some delivered to staff. The appraisal is anticipated to be submitted in early February 2024.

NWRDRS (Metro-only portion) Staff submitted the environmental information document to WIFA for public notice on January 11, 2024. Pima County issued their approval of the plans on February 2, 2024. Staff requested a cost proposal for a small section of the project in order to get ahead of paving work that is being done by Pima County in February. The District’s contractor is anticipated to start construction in early February.

E&T22 Well Replacement – Land acquisition activities are ongoing. The District’s contractor has begun work on grading and civil site improvements and the contractor is developing cost proposals for the remaining work. The electrical design is being completed by the District’s as-needed design consultant.

Ironwood Well – The District’s pump contractor will conduct additional pumping tests on the Ironwood well. The test pump will be set at a deeper depth and run to see the maximum pumping capacity from a depth greater than was tested by the drilling contractor. Preliminary design of the well site is in process. Pipeline work is anticipated to begin in early February in conjunction with the NWRDRS Metro-only work.

New Linda Vista Well Deepening – Additional chemical treatments, brushing, and bailing work has continued by the District’s pump equipment contractor. During pumping tests, drilling fluids were still present in the discharge necessitating additional treatments and swabbing removal. After the treatments and swabbing, an additional pumping test will be conducted to evaluate the maximum pumping rate for 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: The updated design is anticipated to be submitted to Pima County in early February. A schedule and cost proposal will be requested through the City of Tucson Job Order Contract. Once complete, the project will replace approximately 1,400 feet of 2” steel pipeline.

Rose Marie Lane: Survey efforts are complete and staff has started preliminary design activities. 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