

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

**March 11, 2024**

**Monthly Status of the District – February 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 – 1,545,233,900 gallons

FY 2023 Year to Date – 1,430,279,000 gallons

Amount of Water Consumed in Metro Hub

FY 2024 Year to Date – 169,431,500 gallons

FY 2023 Year to Date – 157,001,800 gallons

Amount of Water Consumed in Metro Southwest

FY 2024 Year to Date – 121,523,000 gallons

FY 2023 Year to Date – 117,656,600 gallons

Revenue Metered Sales Billed in February 2024 – Grand Total \$1,476,367.48

Metro Main – \$1,255,474.37

Metro Hub – \$97,920.13

Metro Southwest – \$122,972.98

Prior Year Revenue Metered Sales Billed in February 2023 – Grand Total \$1,393,460.53

Metro Main – \$1,179,612.96

Metro Hub – \$102,973.36

Metro Southwest – \$110,874.21

Water Quality Samples

84 Microbiological samples taken from the distribution system.

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

70 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 February 2024:

1. Completed service line potholing at Lazy B and working in the E&T service area.
2. Completed the San Miguel mainline replacement.
3. Replaced the well flow meters at Ina/CDO, Thornydale, and Alcott.
4. Replaced failed power supply on RTU at Hub 4.
5. Repaired five fire hydrants and replaced one on Thornydale.

Valves Exercised – 30

Meter Replacements – 12 – 5/8” meters; 1 – 1” meters  
Meters Tested – 6

New Meter Applications – 11 total  
Metro Main – 11  
Metro Hub – 0  
Metro Southwest – 0

## **Customer Accounts**

Total Customers Billed – 22,186

New Accounts – 154

Delinquent Accounts – February 2024  
Initial Shut Off Notices – 614  
Final Shut Offs – 50

High Consumption Contacts – 76

Service Orders and On's and Off Order Requests – Total performed: 291

Service Orders:

Metro Main – 9  
Metro Hub – 0  
Metro Southwest – 0

Meter On's and Off Order Requests

Metro Main – 208  
Metro Hub – 27  
Metro Southwest – 47

## **Water Sustainability Projects**

**2024 CAP Storage** – All of the District’s 8,460 acre-feet of ordered CAP water will be delivered in 2024 to groundwater savings facilities (GSF). As of the end of January, 98 acre-feet of the District’s order has been delivered to the CMID GSF.

The City of Phoenix ordered 7,200 acre-feet of CAP water to be delivered to AVRP in 2024. Deliveries of Phoenix’s water began on January 3, 2024. As of the end of January, 473 acre-feet of Phoenix’s order has been delivered to AVRP.

**South Shannon Treatment System Reimbursements** – Since 2000, \$1,619,993.77 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 February 2024 will be submitted in March 2024.

## **Capital Improvement Program & Other Major Projects**

**Northwest Recharge, Recovery, and Delivery System (NWRRDS) (Partnered portion)** The Construction Manager at Risk (CMAR) was authorized to proceed with GMP 1: Procurement of Pipeline Materials and those materials have been ordered. Two additional GMPs were submitted and reviewed for consistency with the overall cost model. Environmental field work has been completed for easement acquisition of the TEP and Unisource properties. Environmental summary reports are being finalized. The appraisal was received for two of the easement parcels and has been reviewed by a separate appraiser. An offer for those parcels is in process. Due to constraints with the proposed alignment, the legal description for the other two parcels needs to be revised before the acquisition of those easements can move forward.

**NWRRDS (Metro-only portion)** WIFA issued the “finding of no significant impacts” (FONSI) for the environmental impacts between the Twin Peaks and the Ironwood connection, and have given the approval to proceed with construction. A FONSI for the portion of the project between the Ironwood well and Herb Johnson Reservoir was received previously. The Camino de Oeste pipeline crossing was completed ahead of the Pima County paving project. The contractor has begun work near Herb Johnson.

**E&T22 Well Replacement** – Land acquisition activities are ongoing. The District’s contractor completed the preliminary site work and foundations, and has shifted their effort to fabrication. The draft electrical design is currently under review.

**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 has commenced in conjunction with the NWRD Metro-only work. It is anticipated that the Ironwood connection will be completed as the contractor proceeds west from Herb Johnson.

**New Linda Vista Well Deepening** – Additional chemical treatments, brushing, and bailing work have 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. A subsequent pumping test did not yield the gpm discharge that is desired for the well. Another more aggressive chlorination treatment to further breakdown residual drilling mud is being considered. The pumping contractor is developing a cost estimate for the District’s consideration.

**Burton Drive:** The design was approved by Pima County and bids were solicited from City Job Order Contractors. Once complete, the project will replace approximately 1,400 feet of 2” steel pipeline.

**Rose Marie Lane:** Staff is continuing with 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