

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

**April 8, 2024**

**Monthly Status of the District – March 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.

**March 2024 Report**

**Water Usage/Quality**

Amount of Water Consumed in Metro Main

FY 2024 Year to Date – 1,685,786,100 gallons

FY 2023 Year to Date – 1,560,845,400 gallons

Amount of Water Consumed in Metro Hub

FY 2024 Year to Date – 185,182,800 gallons

FY 2023 Year to Date – 169,638,100 gallons

Amount of Water Consumed in Metro Southwest

FY 2024 Year to Date – 133,922,700 gallons

FY 2023 Year to Date – 130,084,400 gallons

Revenue Metered Sales Billed in March 2024 – Grand Total \$1,438,713.61

Metro Main – \$1,213,326.39

Metro Hub – \$110,857.35

Metro Southwest – \$114,529.87

Prior Year Revenue Metered Sales Billed in March 2023 – Grand Total \$1,299,148.91

Metro Main – \$1,100,895.37

Metro Hub – \$90,816.74

Metro Southwest – \$107,436.80

Water Quality Samples

84 Microbiological samples taken from the distribution system.

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

54 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 March 2024:

1. Pulled Magee La Cholla booster #1 motor for basic overhaul.
2. Continued galvanized nipple replacements in Diablo Village.
3. Completed 639 service line material investigations.
4. Staff continues with galvanized mainline verification.
5. Electrical staff provided assistance with E&T22 electrical install for the new well.

Valves Exercised – 70

Meter Replacements – 10 – 5/8” meters; 1 – 2” meters  
Meters Tested – 6

New Meter Applications – 2 total  
Metro Main – 1  
Metro Hub – 0  
Metro Southwest – 1

## **Customer Accounts**

Total Customers Billed – 22,195

New Accounts – 166

Delinquent Accounts – March 2024  
Initial Shut Off Notices – 953  
Final Shut Offs – 40

High Consumption Contacts – 68

Service Orders and On's and Off Order Requests – Total performed: 287

Service Orders:

Metro Main – 8  
Metro Hub – 0  
Metro Southwest – 0

Meter On's and Off Order Requests

Metro Main – 216  
Metro Hub – 19  
Metro Southwest – 44

## **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 February, 405 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 AVRVP in 2024. Deliveries of Phoenix’s water began on January 3, 2024. As of the end of February, 1035 acre-feet of Phoenix’s order has been delivered to AVRVP.

**South Shannon Treatment System Reimbursements** – Since 2000, \$1,623,488.17 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 March 2024 will be submitted in April 2024.

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

**Northwest Recharge, Recovery, and Delivery System (NWRDRS) (Partnered portion)** The Construction Manager at Risk (CMAR) was authorized to proceed with GMP-02: Construction of phases 3A and 3B for the transmission main. These phases comprise portions of the transmission main that are not subject to the realignment. The CMAR was also authorized to proceed with GMP-03 for long-lead procurement of electrical and well-equipping materials, submittals, and shop drawings. GMP-04 and GMP-05 were submitted and reviewed for consistency with the overall cost model. The environmental summary report for cultural resources is being finalized. An offer is pending for the TEP and Unisource easements. Due to constraints with the proposed alignment, the legal description for the other two parcels was revised and activities necessary for acquisition of those easements are in process.

**NWRDRS (Metro-only portion)** The contractor is working in two areas simultaneously: at the west end of the pipeline near Twin Peaks and at the east end of the pipeline between the Ironwood well connection and the Herb Johnson Reservoir.

**E&T22 Well Replacement** – The land acquisition is complete. The District’s contractor continued with installation of electrical conduit, pipeline, and other site work.

**Ironwood Well** – The District’s pump contractor has conducted additional pumping tests on the Ironwood well. The test pump was set at 725 feet below land surface and run to see the maximum pumping capacity from a depth greater than was tested by the drilling contractor. After additional pump and surge development, a steady rate of 700 gpm to be optimal for design of the permanent pump equipment. Preliminary design of the well site

is in process. Pipeline work has commenced in conjunction with the NWRRDS Metro-only work. It is anticipated that the Ironwood connection will be completed after the contractor completes the pipeline installation at Herb Johnson.

**New Linda Vista Well Deepening** – It was decided to not conduct further treatment and testing of New Linda Vista well. The pump contractor will re-equip the well at the reduced rate of approximately 200 gpm. When the well comes back on to the maintenance schedule, additional treatments and development will be considered at that time. District staff will be evaluating properties in the vicinity for potential replacement of the well in the future.

**Burton Drive:** Construction is anticipated to start in mid-April. 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