

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

**September 11, 2023**

**Monthly Status of the District – August 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.

**August 2023 Report**

**Water Usage/Quality**

Amount of Water Consumed in Metro Main

FY 2024 Year to Date – 464,639,800 gallons

FY 2023 Year to Date – 415,793,700 gallons

Amount of Water Consumed in Metro Hub

FY 2024 Year to Date – 53,379,800 gallons

FY 2023 Year to Date – 45,765,700 gallons

Amount of Water Consumed in Metro Southwest

FY 2024 Year to Date – 33,012,800 gallons

FY 2023 Year to Date – 31,685,400 gallons

Revenue Metered Sales Billed in August 2023 – Grand Total \$2,063,680.13

Metro Main – \$1,752,017.06

Metro Hub – \$177,996.21

Metro Southwest – \$133,666.86

Prior Year Revenue Metered Sales Billed in August 2022 – Grand Total \$1,705,712.13

Metro Main – \$1,455,325.66

Metro Hub – \$131,713.93

Metro Southwest – \$118,672.54

Water Quality Samples

87 Microbiological samples taken from the distribution system.

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

93 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 August 2023:

1. Replaced mechanical seals on boosters 2 and 3 at Diablo Village #1.
2. Replaced leaking valve and rerouted 10” line in Metro Main.
3. Replaced all wiring on the engine for the E&T22 auxiliary pump.
4. Replaced 8” tapping saddle 28” main due to linear crack.
5. Replaced broken fire hydrant at the Foothills Mall.

Valves Exercised – 60

Meter Replacements – 48 – 5/8” meters

Meters Tested – 0

New Meter Applications – 4 total

Metro Main – 3

Metro Hub – 0

Metro Southwest – 1

## **Customer Accounts**

Total Customers Billed – 22,149

New Accounts – 167

Delinquent Accounts – August 2023

Initial Shut Off Notices – 1,114

Final Shut Offs – 77

High Consumption Contacts – 158

Service Orders and On’s and Off Order Requests – Total performed: 347

Service Orders:

Metro Main – 16

Metro Hub – 21

Metro Southwest – 11

Meter On’s and Off Order Requests

Metro Main – 231

Metro Hub – 6

Metro Southwest – 62

## **Water Sustainability Projects**

**2023 CAP Storage** – The District is participating 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. 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 will 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 (AF) of the District’s CAP allocation will be delivered to groundwater savings facilities in 2023. As of the end of August, all of the 8,460 acre-feet of the District’s water has been delivered to the CMID and Kai Farms groundwater savings facilities.

The City of Phoenix has ordered 7,200 acre-feet of CAP water to be delivered to AVRVP in 2023. Deliveries of Phoenix water began at AVRVP on March 2, 2023, and are anticipated to be completed by the end of November 2023. As of the end of August, a total of 5,103 AF of City of Phoenix water has been delivered to AVRVP.

**South Shannon Treatment System Reimbursements** – Since 2000, \$1,579,550.86 has been reimbursed by the Arizona Department of Environmental Quality (ADEQ). For Fiscal Year 2024, ADEQ has a budget of \$64,693.00 for operations and sampling, and \$47,272.00 for two GAC changeouts of the South Shannon Treatment System. A new O&M expenses agreement with ADEQ is being prepared to account for the increased costs associated with operation of the new Advanced Oxidation Process system that will begin installation in September. Once installed, it is anticipated that the production rate for the well will increase to approximately 650 gallons per minute (gpm). The invoice for August 2023 will be submitted in September.

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

**Northwest Recharge, Recovery, and Delivery System (NWRRDS) (Partnered portion)** Five contractors submitted Statements of Qualifications (SOQ), which are currently being reviewed by the committee. This will be a two-step solicitation and interviews will be scheduled after the SOQs are scored. It is anticipated that the Board of Directors will be asked to consider an award at the December 2023 meeting.

**NWRRDS (Metro-only portion)** Staff is continuing to work with Pima County Flood Control to address their comments. Staff is discussing a scope of services with a hydrology consultant to provide the requested documentation.

**E&T22 Well Replacement** – Legal counsel is proceeding with land acquisition activities. The design survey for the well equipping phase has been completed and staff is proceeding with design.

**Ironwood Well** – The District’s well drilling contractor has begun drilling the Ironwood Well. There will be a single zonal sample collected at 650 feet below land surface during the week of September 11, 2023. The total depth for the pilot hole will be 1,000 feet below land surface. Staff is proceeding with the design of the well collector pipeline for review by the Utility team and Pima County.

**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. Rig development of the new installation is complete and pump development will be completed in September. A new source water quality sample will be collected at the end of the pump development. After the drilling contractor is completely demobilized, the District’s pump installation contractor will demolish the concrete monument and install a sanitary seal to bring the well into compliance with ADWR regulations. After the new monument is constructed, the contractor will begin re-equipping the well to bring it back into service.

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