

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

August 14, 2023

Monthly Status of the District –July 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.

July 2023 Report

Water Usage/Quality

Amount of Water Consumed in Metro Main

FY 2024 Year to Date – 230,030,200 gallons

FY 2023 Year to Date – 216,942,200 gallons

Amount of Water Consumed in Metro Hub

FY 2024 Year to Date – 26,310,400 gallons

FY 2023 Year to Date – 25,072,300 gallons

Amount of Water Consumed in Metro Southwest

FY 2024 Year to Date – 16,199,900 gallons

FY 2023 Year to Date – 16,926,400 gallons

Revenue Metered Sales Billed in July 2023 – Grand Total \$2,038,653.97

Metro Main – \$1,735,267.57

Metro Hub – \$172,617.88

Metro Southwest – \$130,768.52

Prior Year Revenue Metered Sales Billed in July 2022 – Grand Total \$1,834,171.08

Metro Main – \$1,549,926.23

Metro Hub – \$156,826.89

Metro Southwest – \$127,417.96

Water Quality Samples

92 Microbiological samples taken from the distribution system.

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

83 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 July 2023:

1. Repaired broken distribution valve in Metro Main.
2. Replaced two polybutylene service lines.
3. Conducted 12 pre-paving inspections and two post-paving inspections.
4. Replaced air compressor on the hydropneumatics tank at Hub 5.
5. Fabricated and added spool piece to 3” meter installation for annual testing.

Valves Exercised – 75

Meter Replacements – 19 – 5/8” meters; 1 – 1” meters
Meters Tested – 0

New Meter Applications – 5 total
 Metro Main – 5
 Metro Hub – 0
 Metro Southwest – 0

Customer Accounts

Total Customers Billed – 22,121

New Accounts – 153

Delinquent Accounts – July 2023
 Initial Shut Off Notices – 746
 Final Shut Offs – 11

High Consumption Contacts – 115

Service Orders and On’s and Off Order Requests – Total performed: 327

 Service Orders:
 Metro Main – 9
 Metro Hub – 5
 Metro Southwest – 6
 Meter On’s and Off Order Requests
 Metro Main – 249
 Metro Hub – 8
 Metro Southwest – 50

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 July, a total of 7,960 AF 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 July, a total of 4,289 AF of City of Phoenix water has been delivered to AVRVP.

South Shannon Treatment System Reimbursements – Since 2000, \$1,575,201.31 has been reimbursed by the Arizona Department of Environmental Quality (ADEQ). For Fiscal Year 2023, ADEQ has a budget of \$63,071 for operations and sampling, and \$44,558 for two GAC changeouts of the South Shannon Treatment System. O&M expenses are under budget for Fiscal Year 2023. The invoice for July 2023 will be submitted in August.

The installation of the designed Advanced Oxidation Process (AOP) system is expected to begin during Fiscal Year 2024. This will allow the operation of the South Shannon well at full capacity, and capture/treat the contaminant plume more efficiently. Discussions have started with ADEQ regarding a revised O&M reimbursement intergovernmental agreement to cover the costs associated with operation of the new AOP system.

Capital Improvement Program & Other Major Projects

Northwest Recharge, Recovery, and Delivery System (NWRRDS) (Partnered portion) Staff finalized the Construction Manager at Risk (CMAR) solicitation and received Partner approval. The CMAR solicitation was advertised on July 20 and 27, 2023 with Statements of Qualifications (SOQ) due on August 31, 2023. This will be a two-step solicitation and interviews will be scheduled after the SOQs are received. 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 addressing comments received from Pima County. A Letter of Clearance was issued by Pima County Wastewater Reclamation for the project on July 28, 2023. Staff is continuing to work with other Pima County departments to resolve all comments. The Town of Marana had no additional comments.

E&T22 Well Replacement – Legal counsel is proceeding with land acquisition activities.

Ironwood Well – The District’s well drilling contractor anticipates drilling activities to begin in August of 2023. Surface casing installation, sound wall installation and drilling equipment mobilization has begun. Staff has completed the preliminary design of the well collector pipeline for review by the Utility and Engineering teams.

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 by mid-August. After the drilling contractor is completely demobilized, the District’s pump installation 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