

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

October 11, 2023

Monthly Status of the District –September 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.

September 2023 Report

Water Usage/Quality

Amount of Water Consumed in Metro Main

FY 2024 Year to Date – 686,259,400 gallons

FY 2023 Year to Date – 621,650,700 gallons

Amount of Water Consumed in Metro Hub

FY 2024 Year to Date – 79,137,000 gallons

FY 2023 Year to Date – 71,630,100 gallons

Amount of Water Consumed in Metro Southwest

FY 2024 Year to Date – 47,692,900 gallons

FY 2023 Year to Date – 48,651,200 gallons

Revenue Metered Sales Billed in September 2023 – Grand Total \$1,954,544.31

Metro Main – \$1,661,958.46

Metro Hub – \$167,710.36

Metro Southwest – \$124,875.49

Prior Year Revenue Metered Sales Billed in September 2022 – Grand Total \$1,771,994.22

Metro Main – \$1,485,923.76

Metro Hub – \$160,911.69

Metro Southwest – \$125,158.77

Water Quality Samples

84 Microbiological samples taken from the distribution system.

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

60 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 September 2023:

1. Replaced treatment media in lead vessel at Lazy B.
2. Removed exhausted media from Hub 1A treatment vessel.
3. Repaired 8” PVC main on Giaconda due to a split at a bell connection.
4. Installed two new service lines for new customers.
5. Repaired 4” AC main in the Hub service area.

Valves Exercised – 70

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

New Meter Applications – 3 total
Metro Main – 3
Metro Hub – 0
Metro Southwest – 0

Customer Accounts

Total Customers Billed – 22,114

New Accounts – 153

Delinquent Accounts – September 2023
Initial Shut Off Notices – 705
Final Shut Offs – 48

High Consumption Contacts – 119

Service Orders and On’s and Off Order Requests – Total performed: 238

Service Orders:

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

Meter On’s and Off Order Requests

Metro Main – 177
Metro Hub – 6
Metro Southwest – 47

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 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 September, all but 102 acre-feet of the 8,460 acre-feet of the District’s water has been delivered to the CMID and Kai Farms groundwater savings facilities. The remaining 102 acre-feet of water will be delivered to AVRVP by the end of the year.

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 September, a total of 5,381 acre-feet of City of Phoenix water has been delivered to AVRVP.

South Shannon Treatment System Reimbursements – Since 2000, \$1,584,087.62 has been reimbursed by the Arizona Department of Environmental Quality (ADEQ). For Fiscal Year 2024, ADEQ has a budget of \$110,587 for operations, sampling, and 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. The treatment equipment is currently under construction. Once installed, it is anticipated that the production rate for the well will increase to approximately 650 gallons per minute (gpm). The invoice for September 2023 will be submitted in October.

Capital Improvement Program & Other Major Projects

Northwest Recharge, Recovery, and Delivery System (NWRDRS) (Partnered portion) Five contractors submitted Statements of Qualifications (SOQ), and the three highest rated were selected for interviews. Interviews were conducted on October 4, 2023 and the highest rated firm at that point will be forwarded to the Board of Directors for award at either the November or December meeting. Also, an MOU was approved by the partners to conduct field surveys and perform cultural and environmental surveys on the new transmission main alignment.

NWRDRS (Metro-only portion) Staff met with Pima County Flood Control and the District’s consultant to address their comments. Staff are discussing a scope of services with the hydrology consultant to provide the requested documentation.

E&T22 Well Replacement – Legal counsel is proceeding with land acquisition activities. Staff are continuing with design work.

Ironwood Well – The District’s well drilling contractor has begun drilling the Ironwood Well. A single zonal sample was collected at 650 feet below land surface during the week of September 11, 2023, no water quality constituents of concern were observed. The pilot

hole has been completed and the geophysical surveys have been run. The contractor is currently reaming the pilot hole in preparation for construction of the well. 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. The drilling contractor has completed work on the New Linda Vista site. Regular brush and bailing work will be performed by the District's pump equipment contractor. After the pump contractor performs the well maintenance, 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.

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