

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

June 12, 2023

Monthly Status of the District – May 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.

May 2023 Report

Water Usage/Quality

Amount of Water Consumed in Metro Main

FY 2023 Year to Date – 1,912,244,100 gallons

FY 2022 Year to Date – 1,985,150,900 gallons

Amount of Water Consumed in Metro Hub

FY 2023 Year to Date – 210,311,300 gallons

FY 2022 Year to Date – 223,816,500 gallons

Amount of Water Consumed in Metro Southwest

FY 2023 Year to Date – 160,495,000 gallons

FY 2022 Year to Date – 152,322,800 gallons

Revenue Metered Sales Billed in May 2023 – Grand Total \$1,619,930.06

Metro Main – \$1,366,341.15

Metro Hub – \$134,834.59

Metro Southwest – \$118,754.32

Prior Year Revenue Metered Sales Billed in May 2022 – Grand Total \$1,586,961.26

Metro Main – \$1,331,153.85

Metro Hub – \$142,288.18

Metro Southwest – \$113,519.23

Water Quality Samples

84 Microbiological samples taken from the distribution system.

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

88 Lab/field test samples for VOCs, SOCs, IOCs, Nitrate, 1,4-Dioxane, PFAS compounds, and Arsenic.

System Maintenance

Noteworthy Maintenance Projects and Major Repairs in May 2023:

1. Replaced 4” RW valve for the new Linda Vista altitude valve.
2. Pulled the Diablo Village booster #1 motor for repairs.
3. Installed wind turbine and pole for power at AVRVP.
4. Repaired 6” main leak on Mona Lisa.
5. Maintenance staff performed inspections and maintenance on 27 fire hydrants.

Valves Exercised – 85

Meter Replacements – 121 – 5/8” meters; 1 – 1” meters
Meters Tested – 12

New Meter Applications – 7 total
Metro Main – 7
Metro Hub – 0
Metro Southwest – 0

Customer Accounts

Total Customers Billed – 22,117

New Accounts – 146

Delinquent Accounts – May 2023
Initial Shut Off Notices – 543
Final Shut Offs – 51

High Consumption Contacts – 154

Service Orders and On’s and Off Order Requests – Total performed: 290

Service Orders:
Metro Main – 10
Metro Hub – 1
Metro Southwest – 1
Meter On’s and Off Order Requests
Metro Main – 230
Metro Hub – 11
Metro Southwest – 37

Water Sustainability Projects

2023 CAP Storage – The District has offered to participate 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 April, a total of 4,735 AF of the District’s water has been delivered to the CMID groundwater savings facility.

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 May a total of 2,384 AF of City of Phoenix water has been delivered to AVRVP.

South Shannon Treatment System Reimbursements – Since 2000, \$1,533,426.92 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. The invoice for May 2023 will be submitted in mid-June. A GAC changeout will occur in June and ADEQ will be invoiced by the end of the month.

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 (NWRDRS) (Partnered portion) Staff is finalizing a solicitation for approval by the Partners and their respective procurement departments utilizing Construction Manager at Risk (CMAR) template from Tucson Water. The Partners’ goal is to begin the solicitation in July 2024.

NWRDRS (Metro-only portion) The plans are in review by Pima County and the Town of Marana.

E&T22 Well Replacement – Legal counsel is proceeding with land acquisition activities. The District’s contractor has completed pumping development and pumping tests on the new E&T 22A well. The contractor has de-mobilized and cleaned up the site. Staff is continuing to work with the contractor to repair damage to the site.

Ironwood Well – Clearing and grubbing of the site and access is complete. The District's well drilling contractor anticipates drilling activities to begin in early July of 2023. District staff have initiated preliminary design of the well collector pipeline.

New Linda Vista Well Deepening – The District's contractor has mobilized on site. Drilling activities are anticipated to begin the second week of June. The contractor anticipates completion of the well drilling and installation by the end of June 2023.

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