

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

**July 10, 2023**

**Monthly Status of the District –June 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.

**June 2023 Report**

**Water Usage/Quality**

Amount of Water Consumed in Metro Main

FY 2023 Year to Date – 2,134,336,400 gallons

FY 2022 Year to Date – 2,218,549,400 gallons

Amount of Water Consumed in Metro Hub

FY 2023 Year to Date – 238,155,000 gallons

FY 2022 Year to Date – 256,798,400 gallons

Amount of Water Consumed in Metro Southwest

FY 2023 Year to Date – 178,029,700 gallons

FY 2022 Year to Date – 170,134,300 gallons

Revenue Metered Sales Billed in June 2023 – Grand Total \$1,871,090.84

Metro Main – \$1,569,178.62

Metro Hub – \$173,623.83

Metro Southwest – \$128,288.39

Prior Year Revenue Metered Sales Billed in June 2022 – Grand Total \$1,969,137.25

Metro Main – \$1,634,999.18

Metro Hub – \$204,125.59

Metro Southwest – \$130,012.48

Water Quality Samples

84 Microbiological samples taken from the distribution system.

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

75 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 June 2023:

1. Replaced the Lazy B booster manifold.
2. Repaired five service line leaks.
3. Performed Granular Activated Carbon (GAC) changeout at Shannon.
4. Replaced fire hydrant on Pete Dawson.
5. Continued site security upgrades in Metro Main and Diablo Village.

Valves Exercised – 86

Meter Replacements – 125 – 5/8” meters

Meters Tested – 0

New Meter Applications – 6 total

Metro Main – 6

Metro Hub – 0

Metro Southwest – 0

## **Customer Accounts**

Total Customers Billed – 22,144

New Accounts – 195

Delinquent Accounts – June 2023

Initial Shut Off Notices – 788

Final Shut Offs – 39

High Consumption Contacts – 154

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

Service Orders:

Metro Main – 11

Metro Hub – 9

Metro Southwest – 7

Meter On's and Off Order Requests

Metro Main – 202

Metro Hub – 19

Metro Southwest – 42

## **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 May, a total of 6,801 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 June, a total of 3,358 AF of City of Phoenix water has been delivered to AVRVP.

**South Shannon Treatment System Reimbursements** – Since 2000, \$1,573,628.82 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. Due to price escalations by the vendor, the GAC changeout in June cost 36,186.83 including staff labor. The invoice for June 2023 will be submitted in early-July.

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.

**Drought Preparedness Plan** – During the February 2023 Board Meeting, Board members requested that staff reach out to hotel customers regarding their water conservation efforts as per the current stage of the District’s Drought Response Plan. Since that time District staff have contacted the five hotel customers. All the hotels offer their customers the option to not have house cleaning and linen changes performed each night of their stay.

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

**Northwest Recharge, Recovery, and Delivery System (NWRDRS) (Partnered portion)** Staff finalized the Construction Manager at Risk (CMAR) solicitation and received Partner approval. The CMAR solicitation is anticipated to be 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. Comments from the Town of Marana have not been received.

**E&T22 Well Replacement** – Legal counsel is proceeding with land acquisition activities. The District’s contractor has completed all work on the new E&T 22A well, and has demobilized and cleaned up the site. Staff is proceeding with the equipping design for the new well.

**Ironwood Well** – The District’s well drilling contractor anticipates drilling activities to begin in July of 2023. Staff has completed the preliminary design of the well collector pipeline for review by the Utility and Engineering teams.

**New Linda Vista Well Deepening** – Drilling activities began in the first week of June. There have been significant lost circulation issues with the drilling operation. Special materials and extra time will be charged to the project to overcome the loss of drilling fluids into the soil formation. In addition, there were pieces of metal at the bottom of the hole that hindered drilling rates. Once removed, drilling is proceeding at a normal pace. The contractor anticipates completion of the well drilling and installation by the end of July 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