

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

**November 14, 2022**

**Monthly Status of the District – October 2022**

**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.

**October 2022 Report**

**Water Usage/Quality**

Amount of Water Consumed in Metro Main

FY 2023 Year to Date – 800,890,600 gallons

FY 2022 Year to Date – 810,174,400 gallons

Amount of Water Consumed in Metro Hub

FY 2023 Year to Date – 90,756,400 gallons

FY 2022 Year to Date – 90,659,500 gallons

Amount of Water Consumed in Metro Southwest

FY 2023 Year to Date – 60,833,500 gallons

FY 2022 Year to Date – 57,028,000 gallons

Revenue Metered Sales Billed in October 2022 – Grand Total \$1,573,006.54

Metro Main – \$1,340,743.98

Metro Hub – \$123,485.99

Metro Southwest – \$108,776.57

Prior Year Revenue Metered Sales Billed in October 2021 – Grand Total \$1,671,072.10

Metro Main – \$1,413,023.38

Metro Hub – \$145,748.95

Metro Southwest – \$112,299.77

Water Quality Samples

84 Microbiological samples taken from the distribution system.

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

105 Lab/field test samples for VOCs, IOCs, Metals, Radiochemicals, Nitrate, Nitrite, 1,4-Dioxane, Perfluorinated Chemicals, Hexavalent Chromium, and Arsenic.

## **System Maintenance**

Noteworthy Maintenance Projects and Major Repairs in October 2022:

1. Pulled the Hub #3 and repaired the failed motor.
2. Replaced two failed service saddles: one in Metro Main and one in Metro Southwest.
3. Performed repairs on three fire hydrants.
4. Located and raised closed valve on the reclaim line.
5. Electrical and construction crews working on security upgrades.

Valves Exercised – 109

Meter Replacements – 112 – 5/8” meters; 1 – ¾” meters; 1 – 1½” meters  
Meters Tested –

New Meter Applications – 4 total  
Metro Main – 4  
Metro Hub – 0  
Metro Southwest – 0

## **Customer Accounts**

Total Customers Billed – 22,074

New Accounts – 145

Delinquent Accounts – October 2022  
Initial Shut Off Notices – 1,095  
Final Shut Offs – 117

High Consumption Contacts – 66

Service Orders & Work Orders and On's and Off Order Requests – Total performed: 166  
Service Orders (generated from customers calling in with a problem) & Work Orders  
(generated by staff when a need to perform additional work is recognized):  
Metro Main – 9  
Metro Hub – 15  
Metro Southwest – 24  
Meter On's and Off Order Requests  
Metro Main – 82  
Metro Hub – 5  
Metro Southwest – 31

## **Water Sustainability Projects**

**2021 CAP Storage** – The District has ordered 9,960 acre-feet of its allocation to be delivered to groundwater savings facility (GSF) partners in 2022 with the remaining 3,500 acre-feet of the District’s allocation delivered to CAP for use in the 500 Plus Plan as additional system conservation beyond what the DCP requires of the state. As of August 31, 2022, all of the District’s CAP order has been delivered to GSF partners.

The City of Phoenix has ordered 3,500 acre-feet of CAP water to be delivered to AVRVP in 2022. Deliveries of Phoenix water began at AVRVP in June after facility improvements were completed. All of Phoenix’s water was delivered before the CAP canal shutdown in October. In addition to the 3,500 AF of Phoenix’s water, 159 acre-feet was over delivered to the AVRVP facility. This volume will be accounted for as Phoenix water, at no financial impact to the District. An equal volume will not be delivered to a GSF in Maricopa County that is operated by New Magma mining company.

**South Shannon Treatment System Reimbursements** – Since 2000, \$1,507,428.68 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 October 2022 will be submitted in mid-November. The installation of the designed Advanced Oxidation Process system is expected to occur during Fiscal Year 2023. This will allow the operation of the South Shannon well at full capacity, and capture/treat the contaminant plume more efficiently.

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

### **NWRRDS (Partnered portion)**

A kick-off meeting was held with the District’s miscellaneous design consultant to complete a constructability and cost review of the existing design. The intent is to identify potential cost-savings measures for construction. The draft report is anticipated by the end of November. District staff are evaluating design options at the Avra Valley / I-10 crossing due to a recent abandonment by Pima County of a portion of the right-of-way where the transmission main was proposed to be located. The outcome of staff’s evaluation will be included in any future redesign efforts resulting from the constructability and cost evaluation.

### **NWRRDS (Metro-only portion)**

The consultant is finalizing the report and plan for the Landscape and Native Plant Mitigation Plan to satisfy a requirement by Pima County. A coordination meeting was held between the partners to discuss the timing of the review submittal for the parallel portions of the independent booster and pipeline projects to the Town of Marana and Pima County.

**E&T22 Well Replacement** – Land acquisition activities are ongoing. Currently waiting for HUD approval of the release of the reverse mortgage. A schedule and cost proposal

was requested from well drilling contractors via the City of Tucson Job Order Contract. Bids were received November 7, 2022 from two contractors. The Board of Directors will be requested to consider action at the November 14, 2022 meeting.

**Ironwood Well** – Land acquisition activities are ongoing. Staff is reviewing the closing documents. A schedule and cost proposal was requested from well drilling contractors via the City of Tucson Job Order Contract. Bids were received November 7, 2022 from two contractors. The Board of Directors will be requested to consider action at the November 14 meeting.

**New Linda Vista Well Deepening** – A schedule and cost proposal was requested from well drilling contractors via the City of Tucson Job Order Contract. Bids were received November 7, 2022 from two contractors. The Board of Directors will be requested to consider action at the November 14, 2022 meeting.

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