

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

**December 11, 2023**

**Monthly Status of the District – November 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.

**November 2023 Report**

**Water Usage/Quality**

Amount of Water Consumed in Metro Main

FY 2024 Year to Date – 1,083,911,400 gallons

FY 2023 Year to Date – 978,517,800 gallons

Amount of Water Consumed in Metro Hub

FY 2024 Year to Date – 122,095,900 gallons

FY 2023 Year to Date – 108,909,300 gallons

Amount of Water Consumed in Metro Southwest

FY 2024 Year to Date – 78,620,400 gallons

FY 2023 Year to Date – 77,018,400 gallons

Revenue Metered Sales Billed in November 2023 – Grand Total \$1,758,135.28

Metro Main – \$1,502,647.14

Metro Hub – \$133,660.69

Metro Southwest – \$121,827.45

Prior Year Revenue Metered Sales Billed in November 2022 – Grand Total \$1,575,572.15

Metro Main – \$1,334,664.15

Metro Hub – \$116,906.58

Metro Southwest – \$124,001.42

Water Quality Samples

84 Microbiological samples taken from the distribution system.

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

94 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 November 2023:

1. Repaired 8” main on Freer Drive.
2. Replaced motor operated valve from Meredith to Alcott.
3. Replaced all wiring on auxiliary diesel pump at the Hub Reservoir.
4. Completed pump replacement on the NERBS Booster 4.
5. Replaced two damaged fire hydrants with new.

Valves Exercised – 61

Meter Replacements – 9 – 5/8” meters  
Meters Tested – 0

New Meter Applications – 2 total  
Metro Main – 1  
Metro Hub –  
Metro Southwest – 1

## **Customer Accounts**

Total Customers Billed – 22,130

New Accounts – 105

Delinquent Accounts – November 2023  
Initial Shut Off Notices – 662  
Final Shut Offs – 48

High Consumption Contacts – 86

Service Orders and On’s and Off Order Requests – Total performed: 220

Service Orders:

Metro Main – 16  
Metro Hub – 10  
Metro Southwest – 2

Meter On’s and Off Order Requests

Metro Main – 156  
Metro Hub – 8  
Metro Southwest – 28

## **Water Sustainability Projects**

**2023 CAP Storage** – As of the end of September, all but 102 acre-feet of the 8,460 acre-feet of the District’s CAP order has been delivered to the CMID and Kai Farms groundwater savings facilities. The remaining 102 acre-feet of water will be delivered to AVRP by the end of the year.

The City of Phoenix ordered 7,200 acre-feet of CAP water to be delivered to AVRP in 2023. In November, it was decided to shift 500 acre-feet of Phoenix’s water to another location in the Phoenix AMA. As of the end of November, a total of 5,670 acre-feet of City of Phoenix water has been delivered to AVRP. There is 722 acre-feet of Phoenix’s water remaining to be delivered by the end of the year.

Basin maintenance was conducted during the CAP canal planned maintenance shutdown. This will ensure that all scheduled deliveries can be made in the remainder of the year.

**South Shannon Treatment System Reimbursements** – Since 2000, \$1,599,484.63 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 construction is nearing completion. Staff will receive training from the Trojan treatment systems representatives on operation and maintenance of the new AOP equipment. Once operational, it is anticipated that the production rate for the well will increase to approximately 650 gallons per minute (gpm). The invoice for November 2023 will be submitted in December.

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

**Northwest Recharge, Recovery, and Delivery System (NWRRDS) (Partnered portion)** The Construction Manager at Risk (CMAR) is preparing the cost estimate and schedule, which is anticipated to be submitted to the District by mid-December. Field staking of the proposed pipeline realignment is complete. The remaining environmental studies required for design are pending receipt of the right of entry from TEP. Staff is working to secure necessary permits from CAP for the upcoming construction work in the vicinity of the CAP canal. The pipeline crossing on Avra Valley Road, necessitated by Marana’s paving work, is complete.

**NWRRDS (Metro-only portion)** Bids were opened on November 28, 2023 and the Board will be asked to consider an award at the December meeting. Staff submitted the environmental information document to agency reviewers. Following the 30-day review by agencies, a separate 30-day public comment period will commence.

**E&T22 Well Replacement** – Land acquisition activities continue while staff finalizes the well equipping design. The electrical design is being completed by the District’s as-needed

design consultant. Construction for the site grading, concrete pads, retaining wall, and fencing started on December 4, 2023. Staff held a Pre-construction Meeting for well site equipping work with the Contractor on December 2, 2023.

**Ironwood Well** – The District’s well drilling contractor has completed the drilling and construction of the Ironwood Well. All pumping development and the constant discharge testing have also been completed. Gyroscopic testing and the final well video are scheduled for the week of December 11th. All work by the drilling contractor should be completed by the end of December. The well collector pipeline is included in the bid set for NWRDMS Metro-only pipeline, which will be considered for award at the December Board meeting.

**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. 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.

**Galvanized Pipe Replacement**

Burton Drive: Staff is reviewing the revised design layout for Burton Drive. The plans will be submitted to Pima County for review following completion of the staff review. Once complete, the project will replace approximately 1,400 feet of 2” steel pipeline.

Rose Marie Lane: Survey work commenced and is anticipated to be completed by the end of December 2023. Staff will begin design activities once survey work is completed. This project is anticipated to replace approximately 600 feet of 2” galvanized pipeline.

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