

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

**May 10, 2021**

**Monthly Status of the District – April 2021**

**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.

**April 2021 Report**

**Water Usage/Quality**

Amount of Water Consumed in Metro Main

FY 2021 Year to Date – 1,997,597,400 gallons

FY 2020 Year to Date – 1,793,190,000 gallons

Amount of Water Consumed in Metro Hub

FY 2021 Year to Date – 238,316,000 gallons

FY 2020 Year to Date – 208,996,200 gallons

Amount of Water Consumed in Metro Southwest

FY 2021 Year to Date – 143,275,400 gallons

FY 2020 Year to Date – 129,658,400 gallons

Revenue Metered Sales Billed in April 2021 – Grand Total \$1,592,333.03

Metro Main – \$1,328,715.39

Metro Hub – \$153,979.76

Metro Southwest – \$109,637.88

Prior Year Revenue Metered Sales Billed in April 2020 – Grand Total \$1,389,101.14

Metro Main – \$1,170,751.20

Metro Hub – \$121,580.26

Metro Southwest – \$96,769.68

Water Quality Samples

90 Microbiological samples taken from the distribution system.

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

60 Lab/field test samples for VOCs, Nitrate, 1,4-Dioxane, Perfluorinated Chemicals, and Arsenic.

### **System Maintenance**

Noteworthy Maintenance Projects and Major Repairs in April 2021:

1. Installed new water service on Dawn Drive.
2. Replaced fire hydrant on Galaxy Road.
3. Performed electrical and telemetry testing at E&T22.
4. Reinstalled New Linda Vista well pump.
5. Worked with contractor on Tucson National North engine repairs.

Valves Exercised – 24

Meter Replacements – 8 – 5/8” meters; 1 – ¾” meters; 8 – 2” meters  
Meters Tested – 0

New Meter Applications – 78 total  
Metro Main – 13  
Metro Hub – 0  
Metro Southwest – 65

### **Customer Accounts**

Total Customers Billed – 21,834

New Accounts – 326

Delinquent Accounts – April 2020  
Initial Shut Off Notices – 619  
Final Shut Offs – 80

High Consumption Contacts – 245

Service Orders & Work Orders On’s and Off Order Requests – Total performed: 378

Service Orders (generated from customers calling in with a problem):

Metro Main – 25  
Metro Hub – 5  
Metro Southwest – 8

Work Orders (generated by staff when a need to perform additional work is recognized):

Metro Main – 0  
Metro Hub – 3  
Metro Southwest – 2

Meter On’s and Off Order Requests

Metro Main – 277  
Metro Hub – 16  
Metro Southwest – 42

## **Water Sustainability Projects**

**2021 CAP Storage** – There has been 1,549 acre-feet of the District’s CAP order stored as of the end of March. All of the District’s order for 2021 will be delivered to groundwater savings facilities (GSF) partners. The City of Phoenix has ordered 3,500 acre-feet of water to be delivered to AVRP. Due to delays in the construction of planned delivery and metering infrastructure, delivery of Phoenix’s water will start in July.

**South Shannon Treatment System Reimbursements** – Since 2000, \$1,392,670.24 has been reimbursed by the Arizona Department of Environmental Quality (ADEQ). For Fiscal Year 2021, ADEQ has a budget of \$101,451 for operations, sampling, and two GAC change outs of the South Shannon Treatment System. The invoice for April 2021 will be submitted by mid-May 2021.

**Avra Valley Recharge Project (AVRP)** – The new metering station and water delivery infrastructure was originally anticipated to be constructed in Fiscal Year 2021. Due to ongoing delays in securing the needed materials for the project, the Board will be requested to consider a contract modification to modify and extend the performance period. Construction is now anticipated to start in January 2022.

**Designation of Assured Water Supply (DAWS)** – The District received an Administratively Complete letter from ADWR on March 8, 2021. There is a substantive review period of 60 days that includes advertising the draft DAWS. If there are no objections, a final DAWS could be signed in late-May. This DAWS modification is the first step in the process to de-enroll Metro Main from the CAGRD. A draft De-Enrollment Resolution and Member Service Area Revocation Agreement were sent to the District by CAGRD. Once the AWS Designation is signed by ADWR, the District can sign the two documents and submit them to CAGRD with the new designation.

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

**Northwest Recharge, Recovery, and Delivery System (NWRD)** – Easement acquisition is ongoing. The following summarizes the status of immediate possession as approved by the Board:

- APN 216-32-025A and 216-32-028A: Legal counsel is continuing to prepare for trial.

Recovery well drilling and testing activities were completed on December 31, 2020. The final report documenting water quality and pump design recommendations for all three production wells is complete.

An additional water quality investigation has been completed on recovery well AVRW-01. Pumping from different depths in the well and at different pumping rates was performed to refine the final pump design. All of the water quality results have not been received to date. Once all the final water quality results have been received, District staff

will prepare a technical memorandum detailing findings and pump design recommendations.

Staff received and is reviewing the draft security system technical memorandum, the draft sodium hydroxide, the biological evaluation for the forebay and transmission main, and the addendum to the geotechnical evaluation. Staff is continuing to work with CalPortland to secure a right of entry agreement to enable access across their property for a geotechnical bore that cannot be accessed from Avra Valley Road. The right of entry for Union Pacific Railroad for the purpose of potholing utilities near the transmission main alignment was received and the associated potholes will be completed in early May.

A Partner meeting was held on April 7, 2021. A Technical Group meeting was not held in March as the updates were provided during the Partner meeting.

**NWRRDS (Metro-only portion)** – The District’s consultant has submitted the draft technical memorandum for the constructability review of the independent transmission main between the booster / forebay site and the Herb Johnson Reservoir. The design effort by staff is progressing towards 90%. Staff has issued the work order for design of the cathodic protection system for the transmission main utilizing the City of Tucson job order contract. Baseline testing is underway for the pipe loop study.

**E&T22 Well Replacement** – Staff is evaluating alternatives for disposal of well water and sound abatement needs during installation and testing. Land acquisition activities are ongoing.

**Ironwood Well Site Acquisition** – Land acquisition activities are ongoing.

**ADOT Oracle Road Pavement / Drainage Upgrades** – The District’s contractor has completed all work. Project closeout is underway. Staff will continue to coordinate with ADOT throughout the Oracle Road Roadway Improvement project for potential unforeseen conflicts.

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