

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

**March 8, 2021**

**Monthly Status of the District – February 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.

**February 2021 Report**

**Water Usage/Quality**

Amount of Water Consumed in Metro Main

FY 2021 Year to Date – 1,656,890,800 gallons

FY 2020 Year to Date – 1,493,401,100 gallons

Amount of Water Consumed in Metro Hub

FY 2021 Year to Date – 193,888,100 gallons

FY 2020 Year to Date – 174,058,000 gallons

Amount of Water Consumed in Metro Southwest

FY 2021 Year to Date – 117,809,400 gallons

FY 2020 Year to Date – 105,261,700 gallons

Revenue Metered Sales Billed in February 2021 – Grand Total \$1,311,364.00

Metro Main – \$1,119,383.76

Metro Hub – \$92,736.58

Metro Southwest – \$99,243.66

Prior Year Revenue Metered Sales Billed in February 2020 – Grand Total \$1,333,815.48

Metro Main – \$1,137,949.68

Metro Hub – \$102,905.35

Metro Southwest – \$92,960.45

Water Quality Samples

82 Microbiological samples taken from the distribution system.

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

75 Lab/field test samples for VOCs, IOCs, SOCs, Nitrate, 1,4-Dioxane, Perfluorinated Chemicals, Hexavalent Chromium, and Arsenic.

## **System Maintenance**

Noteworthy Maintenance Projects and Major Repairs in February 2021:

1. Replaced 12” valve on NERBS PSI tank.
2. Patch welded numerous pits/holes in Magee La Cholla south tank floor.
3. Started pipe harvesting for NWRRDS pipe loop testing.
4. Installed new 12” valve on mainline at Oracle Jaynes Station.
5. Working with vendor to complete annual aux power preventative maintenance.

Valves Exercised – 26

Meter Replacements – 3 – 5/8” meters  
Meters Tested – 0

New Meter Applications – 109 total  
Metro Main – 49  
Metro Hub – 0  
Metro Southwest – 60

## **Customer Accounts**

Total Customers Billed – 21,704

New Accounts – 237

Delinquent Accounts – February 2021  
Initial Shut Off Notices – 915  
Final Shut Offs – 93

High Consumption Contacts – 79

Service Orders & Work Orders On’s and Off Order Requests – Total performed: 309

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

Metro Main – 26  
Metro Hub – 5  
Metro Southwest – 9

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

Metro Main – 27  
Metro Hub – 2  
Metro Southwest – 9

Meter On’s and Off Order Requests

Metro Main – 184  
Metro Hub – 5  
Metro Southwest – 42

## **Water Sustainability Projects**

**2021 CAP Storage** – There has been no storage of the District’s CAP order for the month of February. All of the District’s order for 2021 will be delivered to groundwater savings facilities (GSF) partners when agricultural irrigation begins in the spring. The City of Phoenix has ordered 3,500 acre-feet of water to be delivered to AVRVP when planned delivery and metering infrastructure construction is completed.

**South Shannon Treatment System Reimbursements** – Since 2000, \$1,379,304.84 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 January and February 2021 will be submitted by mid-March 2021.

**Avra Valley Recharge Project (AVRP)** – The new metering station and water delivery infrastructure will be constructed in Fiscal Year 2021. The contractor is reviewing the contract for signatures. The new metering station will eliminate ongoing discrepancies in the CAP billing meter and estimates of irrigation deliveries.

**Designation of Assured Water Supply (DAWS)** – District staff submitted an application to modify the District’s DAWS on May 18, 2020. This DAWS modification is the first step in the process to de-enroll Metro Main from the CAGR. The District received a second “Deficiency” letter from ADWR on January 11, 2021. The District’s response to ADWR’s letter was submitted on February 18, 2021. A draft De-Enrollment Resolution and Member Service Area Revocation Agreement were sent to the District by CAGR. Once the AWS Designation is signed by ADWR, the District can sign the two documents and submit them to CAGR 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.

Work began on the three recovery wells on July 2, 2020 and drilling contractor activities were completed on December 31, 2020. Pumping tests, quality analysis, and preparation of a draft final report is complete. District staff have reviewed the draft and a final version is being prepared by the consultant. The final report contains both water quality and pump design recommendations for all three production wells.

Staff reviewed the draft chemical system design criteria for the forebay. The field survey for the well site/collector pipeline areas was completed. Locations for geotechnical borings in the well site/collector pipeline areas were marked and borings are scheduled for March

8th and 9th, 2021. Potholing was initiated along the transmission main alignment. The remaining potholes will be completed in March.

A Partner meeting was held on February 11, 2021. A Technical Group meeting was not held in February as the updates were provided during the Partner meeting.

**NWRRDS (Metro-only portion)** – Staff provided updated 75% design documents to the District’s Miscellaneous Water System Design consultant for their constructability review of the independent transmission main between the booster / forebay site and the Herb Johnson Reservoir. The notice to proceed and kick-off meeting are anticipated in early March.

**E&T22 Well Replacement** – Staff reviewed the title report and found errors in the legal description. The documents have been returned to the consultant for corrections.

**ADOT Oracle Road Pavement / Drainage Upgrades** – The District’s contractor is expected to complete the remaining work by early March 2021.

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