

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

February 8, 2021

Monthly Status of the District – January 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.

January 2021 Report

Water Usage/Quality

Amount of Water Consumed in Metro Main

FY 2021 Year to Date – 1,505,961,900 gallons

FY 2020 Year to Date – 1,343,411,900 gallons

Amount of Water Consumed in Metro Hub

FY 2021 Year to Date – 179,300,400 gallons

FY 2020 Year to Date – 157,866,500 gallons

Amount of Water Consumed in Metro Southwest

FY 2021 Year to Date – 105,938,700 gallons

FY 2020 Year to Date – 93,946,600 gallons

Revenue Metered Sales Billed in January 2021 – Grand Total \$1,514,723.69

Metro Main – \$1,285,763.13

Metro Hub – \$124,189.46

Metro Southwest – \$104,771.10

Prior Year Revenue Metered Sales Billed in January 2020 – Grand Total \$1,278,617.42

Metro Main – \$1,091,909.49

Metro Hub – \$95,323.61

Metro Southwest – \$91,384.32

Water Quality Samples

82 Microbiological samples taken from the distribution system.

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

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

System Maintenance

Noteworthy Maintenance Projects and Major Repairs in January 2021:

1. Contractor tested the District's large meters (3" and greater).
2. Cleaned and inspected the Metro Hub west storage tank.
3. Returned Diablo Village #1 west storage tank to service following floor coating.
4. Shannon VFD installation electrical and electrical rack.
5. Repaired 2" line in the Lazy B well site.

Valves Exercised – 76

Meter Replacements – 5 – 5/8" meters; 1 – 2" meters
Meters Tested – 33

New Meter Applications – 12 total
Metro Main – 6
Metro Hub – 0
Metro Southwest – 6

Customer Accounts

Total Customers Billed – 21,648

New Accounts – 197

Delinquent Accounts – January 2021
Initial Shut Off Notices – 1,023
Final Shut Offs – 147

High Consumption Contacts – 83

Service Orders & Work Orders On's and Off Order Requests – Total performed: 331

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

Metro Main – 31
Metro Hub – 3
Metro Southwest – 4

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

Metro Main – 0
Metro Hub – 5
Metro Southwest – 8

Meter On's and Off Order Requests

Metro Main – 235
Metro Hub – 6
Metro Southwest – 39

Water Sustainability Projects

2021 CAP Storage – There has been no storage of the District’s CAP order for the month of January. 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, \$1,373,484.45 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 December 2020 will be submitted February 2021 once December/January pumpage validation is completed.

Avra Valley Recharge Project (AVRP) – The District has received a Director’s Modification for the AVRP USF permit from ADWR. The new permit includes changes that reflect installation of new piping and metering at the facility. The new metering station and water delivery infrastructure will be constructed in Fiscal Year 2021 between January and June of 2021. 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. Confirmation from ADEQ regarding the volume of remediated groundwater pumpage is required for a response. Staff has been in contact with ADEQ and is preparing a second response letter.

Capital Improvement Program & Other Major Projects

Northwest Recharge, Recovery, and Delivery System (NWRDRS) – 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 test and water quality analysis is underway for preparation of a final report. The final report will contain both water quality and pump design recommendations for all three production wells.

The District’s consultants have continued efforts on the preliminary design for well equipping and the approved amendment tasks related to the chemical storage and feed system. Staff began reviewing the draft technical specifications and recommended contract language for the transmission main and forebay construction.

A Partner meeting was held on January 14, 2021. A Technical Group meeting was not held in January as the updates were provided during the Partner meeting.

NWRRDS (Metro-only portion)

Staff continued its review of the 75% design documents for the independent transmission main between the booster / forebay site and the Herb Johnson Reservoir. Staff worked with the District's Miscellaneous Water System Design consultant to scope the constructability review of the Metro-only transmission main, which will be considered by the Board of Directors. Staff is reviewing preliminary layouts of the booster / forebay electrical supply from Trico Electric against the Metro-only portion.

E&T22 Well Replacement – The District's Miscellaneous Property Acquisition Services Consultant obtained the title report to complete the land exchange and easement dedications in advance of developing and equipping a replacement well with site improvements in a subsequent fiscal year.

ADOT Oracle Road Pavement / Drainage Upgrades – Construction in the Oracle Road corridor is ongoing. Construction was expected to be complete by December 31, 2020. Due to construction conflicts, the project is now expected to be complete by early March 2021. The District's contractor received a permit extension from the Arizona Department of Transportation (ADOT).

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