

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

April 12, 2021

Monthly Status of the District – March 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.

March 2021 Report

Water Usage/Quality

Amount of Water Consumed in Metro Main

FY 2021 Year to Date – 1,805,629,500 gallons

FY 2020 Year to Date – 1,634,039,800 gallons

Amount of Water Consumed in Metro Hub

FY 2021 Year to Date – 212,492,100 gallons

FY 2020 Year to Date – 188,641,300 gallons

Amount of Water Consumed in Metro Southwest

FY 2021 Year to Date – 129,863,900 gallons

FY 2020 Year to Date – 117,996,600 gallons

Revenue Metered Sales Billed in March 2021 – Grand Total \$1,357,922.98

Metro Main – \$1,137,719.82

Metro Hub – \$119,338.49

Metro Southwest – \$100,864.67

Prior Year Revenue Metered Sales Billed in March 2020 – Grand Total \$1,289,748.47

Metro Main – \$1,098,304.01

Metro Hub – \$94,435.86

Metro Southwest – \$97,008.60

Water Quality Samples

82 Microbiological samples taken from the distribution system.

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

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

System Maintenance

Noteworthy Maintenance Projects and Major Repairs in March 2021:

1. Replaced check valve on Hub Reservoir Booster #1.
2. Removed storage tank, boosters, and pressure tank at Tucson National Booster Station.
3. Repaired main break at Linda Vista and Shannon.
4. Repaired service line leak on Giaconda.
5. Worked on new electrical service for E&T22.

Valves Exercised – 64

Meter Replacements – 4 – 5/8” meters
Meters Tested – 0

New Meter Applications – 5 total
Metro Main – 4
Metro Hub – 0
Metro Southwest – 1

Customer Accounts

Total Customers Billed – 21,842

New Accounts – 318

Delinquent Accounts – March 2020
Initial Shut Off Notices – 1,069
Final Shut Offs – 137

High Consumption Contacts – 107

Service Orders & Work Orders On's and Off Order Requests – Total performed: 336

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

Metro Main – 15
Metro Hub – 14
Metro Southwest – 0

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

Metro Main – 0
Metro Hub – 1
Metro Southwest – 1

Meter On's and Off Order Requests

Metro Main – 245
Metro Hub – 8
Metro Southwest – 52

Water Sustainability Projects

2021 CAP Storage – As of the end of February, 765 acre-feet of the District’s CAP order has been stored. All of the District’s order for 2021 will be delivered to groundwater savings facilities (GSF). 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, \$1,386,704.05 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 March 2021 will be submitted by mid-April 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) – 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 mid-May. This DAWS modification is the first step in the process to de-enroll Metro Main from the CAGR. 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 (NWRDS) – 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. District staff have provided comments to the consultant and the final report is being prepared. The final report contains both water quality and pump design recommendations for all three production wells.

An additional water quality investigation is being conducted on recovery well AVRW-01. Pumping from different depths in the well and at different pumping rates is being performed to refine the final pump design. The investigation will continue until mid-April and final water quality results will be received in May. District staff are conducting the

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

Staff received and provided review comments on the draft addendum to the forebay preliminary design report, the revised drainage report for the forebay and transmission main, the biological evaluation for the forebay and transmission main, and the confirmation of the recovery well and collector pipeline preliminary design report. A draft right of entry agreement for submittal to CalPortland has been finalized. This agreement is necessary to access a portion of the Avra Valley Road right-of-way for a geotechnical bore. A portion of the potholing activities along the transmission main alignment are on hold pending receipt of a right of entry for Union Pacific Railroad. It is anticipated that the potholes in that area will be completed within the next month.

A Partner meeting was held on March 10, 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 begun work on 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 initiated scoping for design of the cathodic protection system for the transmission main. Baseline testing is underway for the pipe loop study.

E&T22 Well Replacement – Staff began work to update the previous 75% design for initial site improvements that will need to be constructed prior to commencing drilling activities for the new well.

ADOT Oracle Road Pavement / Drainage Upgrades – The District’s contractor has completed all major work and will have finished up all punch list items by April 1, 2021. 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