

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

November 9, 2020

Monthly Status of the District – October 2020

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.

October 2020 Report

Water Usage/Quality

Amount of Water Consumed in Metro Main

FY 2021 Year to Date – 933,099,400 gallons

FY 2020 Year to Date – 847,538,300 gallons

Amount of Water Consumed in Metro Hub

FY 2021 Year to Date – 117,962,400 gallons

FY 2020 Year to Date – 105,184,400 gallons

Amount of Water Consumed in Metro Southwest

FY 2021 Year to Date – 64,285,700 gallons

FY 2020 Year to Date – 56,422,400 gallons

Revenue Metered Sales Billed in October 2020 – Grand Total \$1,804,627.20

Metro Main – \$1,507,748.47

Metro Hub – \$182,145.19

Metro Southwest – \$114,733.54

Prior Revenue Metered Sales Billed in October 2019 – Grand Total \$1,480,460.68

Metro Main – \$1,255,261.86

Metro Hub – \$127,874.76

Metro Southwest – \$97,324.06

Water Quality Samples

82 Microbiological samples taken from the distribution system.

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

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

System Maintenance

Noteworthy Maintenance Projects and Major Repairs in October 2020:

1. Pulled Escondido well for maintenance.
2. Drained Diablo Village #1 west tank for inspection.
3. Completed NERBS B2 VFD replacement.
4. Repaired main line on Casas Circle.
5. Relocated ARV and installed new sample station on Las Palmas.

Valves Exercised – 15

Meter Replacements – 18 – 5/8” meters; 2 – 2” meters

Meters Tested – 0

ERTs Replaced – 0

New Meter Applications – 20 total

Metro Main – 14

Metro Hub – 0

Metro Southwest – 6

Customer Accounts

Total Customers Billed – 21,613

New Accounts – 234

Delinquent Accounts – October 2020

Initial Shut Off Notices – 1050

Final Shut Offs – COVID19 No Final Shut Offs

High Consumption Contacts – 345

Service Orders & Work Orders On's and Off Order Requests – Total performed: 319

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

Metro Main – 31

Metro Hub – 4

Metro Southwest – 3

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

Metro Main – 0

Metro Hub – 2

Metro Southwest – 3

Meter On's and Off Order Requests

Metro Main – 244

Metro Hub – 9

Metro Southwest – 23

Water Sustainability Projects

2020 CAP Storage – The District’s Central Arizona Project (CAP) order of 9,960 acre-feet (AF) was originally planned to be delivered to groundwater savings facilities (GSF) partners. BKW Farms, due to late summer rains, requested to have 1,500 AF of the District’s order stored at different facilities. CMID has completed the delivery of 500 AF and the balance will be stored at AVRVP. There has been a total of 3,500 AF of Phoenix’s CAP water stored at AVRVP as of the end of July completing their deliveries for 2020. As of October 31, 2020, all of the 2,000 AF of Arizona Water Banking Authority (Bank) water the District agreed to store has been delivered to AVRVP. A total of approximately 450 AF of the District’s 2020 order remains to be delivered to AVRVP.

South Shannon Treatment System Reimbursements – Since 2000, \$1,359,717.82 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 October 2020 will be submitted by mid-November.

On October 7, 2020, District staff submitted a letter to ADEQ updating recent water quality results for the South Shannon and Deconcini wells. ADEQ’s consultant has completed the model evaluation of operations of the South Shannon well treatment system. Various pumping rates for the South Shannon well have been run to analyze the well’s capture zone effectiveness, and duration of remediation. The results are in draft form and under District and ADEQ review.

Avra Valley Recharge Project (AVRVP) – District staff have submitted a report to the Arizona Department of Water Resources (ADWR) requesting a Director’s Modification to the current permit for new water measuring infrastructure. To date, this application is still in the queue for approval. 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 “Deficiency” letter from ADWR on October 20, 2020. Staff are preparing responses to ADWR’s questions, and some additional physical availability model updates are being performed by Clear Creek Associates.

Inorganic and Synthetic Organic Monitoring Waivers – In order to maximize the efficiency of our water quality monitoring activities in Metro Main, staff submitted waiver applications for inorganic and synthetic organic chemicals at various sites to ADEQ for the 2021-2023 monitoring period. This program allows the District to reduce unnecessary monitoring for contaminants that are not likely to be present while continuing to monitor

for potential contaminants that are most relevant for our service area. ADEQ has commenced their review of the applications.

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 is expected to be completed before the end of this calendar year and contractually must be complete by late February 2021. Production testing at AVRW-02 and AVRW-03 has been completed, and preliminary results indicate these could be highly productive wells. Water quality reports are still several weeks away. Plumbness and alignment testing have been completed on AVRW-02 and AVRW-03, but video inspections still remain. Yellow Jacket has moved the temporary test pump to AVRW-01 to begin the final step of development, step testing, and constant-rate testing there. Once all pumping tests and water quality reports are completed, the productivity and water quality of the new wellfield will be known. After testing is complete at AVRW-01, Yellow Jacket will demobilize the site.

The District's consultant continued progress toward the 90% submittal of the transmission main and forebay design. The consultant submitted a draft addendum to the design contract, which was discussed by the Partners at their October meeting. The consultant is preparing the final addendum for consideration and action by the Partners and the Board of Directors.

Based on discussion with the State Land Department, the electric service to the well sites will be confined to the existing District easements, where possible. Staff is coordinating with Trico and the District's real property consultant regarding refinements to the legal descriptions for Trico electric service to the recovery well sites. Trico, the District's consultants, and staff met to discuss the preliminary design for electric service to the forebay facility.

Partner and staff comments on the SCADA basis of design report were completed and returned to the consultant.

A Partner meeting was held on October 15, 2020. A Technical Group meeting was held on October 20, 2020.

NWRDRS (Metro-only portion)

HDR submitted 30% design documents for the District's Booster Station, which staff are reviewing. District staff are continuing work on the District's transmission main between the booster / forebay site and the Herb Johnson Reservoir. Design is progressing towards 90% and expected to be complete by the end of calendar year 2020.

E&T22 Well Replacement – Staff requested a proposal from the District’s Miscellaneous Property Acquisition Services Consultant 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.

RTA Waterline Relocation – La Cholla Blvd: Overton Road to Lambert Lane – The Town of Oro Valley’s roadway contractor completed the roadway work. Final adjustments to District infrastructure, as authorized by the Intergovernmental Agreement (IGA) executed in April 2019, were completed in late October. Project closeout is pending the final invoice.

RTA Waterline Relocation – Valencia Road Valve and Meter Adjustments – Pima County’s roadway contractor completed the adjustments to District infrastructure as authorized by the IGA executed in December 2017. Staff processed the final invoice from Pima County. This project is considered complete.

ADOT Oracle Road Pavement / Drainage Upgrades – Construction in the Oracle Road corridor is ongoing.

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