

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

**October 14, 2020**

**Monthly Status of the District – September 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.

**September 2020 Report**

**Water Usage/Quality**

Amount of Water Consumed in Metro Main

FY 2021 Year to Date – 708,684,900 gallons

FY 2020 Year to Date – 670,826,800 gallons

Amount of Water Consumed in Metro Hub

FY 2021 Year to Date – 87,154,400 gallons

FY 2020 Year to Date – 84,014,900 gallons

Amount of Water Consumed in Metro Southwest

FY 2021 Year to Date – 48,618,700 gallons

FY 2020 Year to Date – 43,836,800 gallons

Revenue Metered Sales Billed in September 2020 – Grand Total \$1,729,203.54

Metro Main – \$1,464,918.78

Metro Hub – \$154,653.31

Metro Southwest – \$109,631.45

Prior Year Revenue Metered Sales Billed in September 2019 – Grand Total \$1,729,280.57

Metro Main – \$1,475,866.13

Metro Hub – \$150,107.91

Metro Southwest – \$103,306.53

Water Quality Samples

82 Microbiological samples taken from the distribution system.

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

84 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 September 2020:

1. Replaced flow meter on the Las Palmas West well.
2. Pulled Oracle Jaynes Booster #4 for motor rewind and bearing replacement.
3. Repaired leak on 8” main at Las Lomitas and Shannon.
4. Repaired three service lines in Metro Southwest.
5. Staff participated in an AzWARN statewide functional exercise.

Valves Exercised – 0

Meter Replacements – 9 – 5/8” meters

Meters Tested – 1

ERTs Replaced –

New Meter Applications – 27 total

Metro Main – 9

Metro Hub – 0

Metro Southwest – 18

## **Customer Accounts**

Total Customers Billed – 21,531

New Accounts – 245

Delinquent Accounts – September 2020

Initial Shut Off Notices – 1134

Final Shut Offs – COVID19 No Final Shut Offs

High Consumption Contacts – 159

Service Orders, Work Orders, and On’s and Off Order Requests – Total performed: 301

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

Metro Main – 38

Metro Hub – 1

Metro Southwest – 3

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

Metro Main – 0

Metro Hub – 9

Metro Southwest – 15

Meter On’s and Off Order Requests

Metro Main – 200

Metro Hub – 9

Metro Southwest – 26

## **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, has 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 1, 2020, all of the 2,000 AF of Arizona Water Banking Authority (Bank) water the District agreed to store has been delivered to AVRVP.

**South Shannon Treatment System Reimbursements** – Since 2000, \$1,325,838.43 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 September 2020 will be submitted in October.

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 is continuing to evaluate operations of the South Shannon well treatment system. Various pumping rates for the South Shannon well are being run to analyze the capture zone effectiveness. One run will include the impact of added treatment for 1,4-dioxane, which will allow for a higher rate of pumping. Geosyntec has been asking qualifying questions that staff have been answering about water quality and the pumping scenarios.

**Avra Valley Recharge Project (AVRP)** – 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. To date, there have been no comments or requests for further information from ADWR staff.

**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 the Arizona Department of Environmental Quality (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 (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 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-03 is complete, and preliminary results indicate this could be a highly productive well. Water quality reports are still several weeks away. Plumbness and alignment testing and video inspection still remain for AVRW-03. Meanwhile, Yellow Jacket will move the temporary test pump to AVRW-02 to begin the final step of development, step testing, and constant-rate testing there. Only at this final point will we know the productivity and water quality of the new wellfield. After testing is complete at AVRW-02, Yellow Jacket will move on to AVRW-01.

Staff and the Partners completed their review of the 60% plans for the transmission main and forebay facility. The consultant continued progress toward the 90% submittal. Staff is finalizing the review of the 60% technical specifications.

The District's real property consultant completed the draft legal descriptions for Trico electric service to the recovery well sites. The draft legals were submitted to Trico and the Town of Marana for review. Trico submitted the service agreement and staking plan for the electric service to the recovery well sites and staff is reviewing those documents. Trico staff is continuing their preliminary design for electric service to the forebay facility.

Staff and the Partners completed their review of the preliminary design report for the well equipping and collector pipeline.

The District's program design consultant submitted the SCADA basis of design report for review. Staff and the Partners have begun their review.

A Technical Group meeting was held on September 15, 2020. A Partner meeting was not held in September.

### **NWRD (Metro-only portion)**

Design work for the District's Booster Station is ongoing by HDR. District staff are continuing work on the District's transmission main between the booster / forebay site and the Herb Johnson Reservoir. Staff and the design consultant are working on a scope revision to eliminate the design of the transmission main and related services from the consultant's scope of work.

**E&T22 Well Replacement** – Staff is developing a work request for 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, are nearing completion.

**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. According to discussions with Pima County, the final invoice is pending.

**ADOT Oracle Road Pavement / Drainage Upgrades** – The District’s contractor initiated coordination activities with the Arizona Department of Transportation (ADOT) field staff. The contractor obtained the right-of-way permit, has mobilized, and is now under construction in the Oracle Road corridor.

**2nd Herb Johnson Reservoir** – Due to the timing of improvements, efforts to acquire the site are on hold.

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