

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

**September 14, 2020**

**Monthly Status of the District – August 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.

**August 2020 Report**

**Water Usage/Quality**

Amount of Water Consumed in Metro Main

FY 2021 Year to Date – 494,136,000 gallons

FY 2020 Year to Date – 452,182,700 gallons

Amount of Water Consumed in Metro Hub

FY 2021 Year to Date – 60,830,000 gallons

FY 2020 Year to Date – 58,804,200 gallons

Amount of Water Consumed in Metro Southwest

FY 2021 Year to Date – 33,647,300 gallons

FY 2020 Year to Date – 29,450,200 gallons

Revenue Metered Sales Billed in August 2020 – Grand Total \$1,976,930.50

Metro Main – \$1,673,933.71

Metro Hub – \$183,890.93

Metro Southwest – \$119,105.86

Prior Year Revenue Metered Sales Billed in August 2019 – Grand Total \$1,838,208.21

Metro Main – \$1,566,554.66

Metro Hub – \$163,331.81

Metro Southwest – \$108,321.74

Water Quality Samples

82 Microbiological samples taken from the distribution system.

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

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

## **System Maintenance**

### Noteworthy Maintenance Projects and Major Repairs in August 2020:

1. Performed Shannon Granular Activated Carbon (GAC) change out.
2. Completed well maintenance on Diablo Village #1 well and the well is back in service.
3. Completed replacement of three large meter vaults.
4. Repaired 6” water line hit by a contractor on Oracle Road.
5. Repaired leaks on fire service lines in District service areas.
6. Pulled Diablo Village Well #1 due to failure of the well motor.

Valves Exercised – 0

Meter Replacements – 21 – 5/8” meters; 2 – 3/4” meters

Meters Tested – 0

ERTs Replaced – 0

New Meter Applications – 76 total

Metro Main – 27

Metro Hub – 0

Metro Southwest – 49

## **Customer Accounts**

Total Customers Billed – 21,474

New Accounts – 255

Delinquent Accounts – August 2020

Initial Shut Off Notices – 922

Final Shut Offs – COVID19 –No Final Shutoffs

High Consumption Contacts – 269

Service Orders & Work Orders On’s and Off Order Requests – Total performed: 311

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

Metro Main – 20

Metro Hub – 5

Metro Southwest – 8

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

Metro Main – 0

Metro Hub – 6

Metro Southwest – 4

Meter On’s and Off Order Requests

Metro Main – 234

Metro Hub – 3

Metro Southwest – 31

## **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. As of the end of July, a total of 8,760 AF has been delivered to our GSF partners. Due to late summer rains, BKW Farms has requested to have 1,500 AF of the District’s order stored at different facilities. CMID has committed to 500 AF and the balance will be stored at AVRP. There has been a total of 3,500 AF of Phoenix’s CAP water stored at AVRP as of the end of July completing their deliveries for 2020. A total of 1,548 AF has been delivered for the Arizona Water Banking Authority (Bank), leaving 452 AF to deliver by the end of the calendar year.

**South Shannon Treatment System Reimbursements** – Since 2000, \$1,297,748.17 has been reimbursed by the Arizona Department of Environmental Quality (ADEQ). The final invoice for Fiscal Year 2020 was submitted in July. For Fiscal Year 2021, ADEQ had a budget of \$101,451 for operations, sampling, and two GAC change-outs.

ADEQ’s consultant is continuing to evaluate operations of the South Shannon well treatment system. Various pumping rates for the South Shannon well will be 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.

**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. If ADWR uses the full length of its Licensing Time Frame it could be January 2021 before their review is completed.

## **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. All three new recovery wells have been drilled and installed, and the first phase of “development” (cleaning out the well) has also been completed at all three. Yellow Jacket installed a temporary test pump in AVRW-03 to begin the final phase of development, step testing, and constant-rate testing. Once completed, the productivity and water quality of the new well will be known.

The JOC contractor for the “early out” task related to access for Recovery Well AVRW-02 completed the work, with the exception of the installation of grates that were added to the project under force account. This remaining task is anticipated to be completed in September.

The District’s consultant submitted the 60% documents for the transmission main and forebay facility. Staff and the Partners are reviewing the documents prior to discussion at the September Technical Group meeting. The consultant also presented an evaluation of the system hydraulics and the lifecycle cost of the baseline 30-inch diameter transmission main compared to a smaller 24-inch diameter transmission main. The Partners discussed this at their August meeting and unanimously agreed the reduction in pipeline size is appropriate for the shared components of the project.

Trico requested the District provide the legal descriptions for easements necessary to provide electric service to the recovery well sites. Staff obtained a proposal from the District’s real property consultant and have submitted a memorandum of agreement to the Partners for approval. Trico staff is continuing their preliminary design for electric service to the recovery well sites and the forebay facility.

The District’s program design consultant submitted the preliminary design report for the well equipping and collector pipeline for review.

A Technical Group meeting was held on August 18, 2020. A Partner meeting was held on August 27, 2020.

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

Activities related to the transmission main design between the shared forebay facility and Blue Bonnet are on hold. Based on discussions with the consultant and the timing of the other Partner’s independent pipeline designs, staff will be completing the design in-house and the item will be removed from the consultant’s scope of work.

The cost opinion and hydraulic analysis prepared by the District’s as-needed consultant reveal that a combination 24-inch and 16-inch pipeline is more cost-effective. District staff will revise the design to reflect the reduced pipe sizes.

A progress meeting was held on August 27, 2020 to discuss the current status of design work by the District’s design consultant.

**RTA Waterline Relocation – La Cholla Blvd: Overton Road to Lambert Lane** – The Town of Oro Valley’s roadway contractor continued roadway work and final paving is complete. Adjustments to District infrastructure, as authorized by the Intergovernmental Agreement (IGA) executed in April 2019 are in-progress.

**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.

**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 and is preparing other necessary documents for construction.

**2nd Herb Johnson Reservoir** – Coordination with the land owner 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