

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

**August 10, 2020**

**Monthly Status of the District – July 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.

**July 2020 Report**

**Water Usage/Quality**

Amount of Water Consumed in Metro Main

FY 2021 Year to Date – 240,812,900 gallons

FY 2020 Year to Date – 218,075,600 gallons

Amount of Water Consumed in Metro Hub

FY 2021 Year to Date – 30,350,500 gallons

FY 2020 Year to Date – 31,827,500 gallons

Amount of Water Consumed in Metro Southwest

FY 2021 Year to Date – 16,034,100 gallons

FY 2020 Year to Date – 14,125,900 gallons

Revenue Metered Sales Billed in July 2020 – Grand Total \$1,902,051.36

Metro Main – \$1,610,732.25

Metro Hub – \$180,586.26

Metro Southwest – \$110,732.85

Prior Year Revenue Metered Sales Billed in July 2019 – Grand Total \$1,777,058.86

Metro Main – \$1,484,070.36

Metro Hub – \$190,697.03

Metro Southwest – \$102,291.47

Water Quality Samples

82 Microbiological samples taken from the distribution system.

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

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

### **System Maintenance**

Noteworthy Maintenance Projects and Major Repairs in July 2020:

1. Swage work on Hardy well to cover missing casing.
2. Completed wire upgrade on Diablo Village #1 well.
3. Replaced A/C unit on Tucson National West VFD enclosure.
4. Ordered replacement VFD for NERBS Booster #2.
5. Replaced fire hydrant at 2001 Orange Grove.
6. Cleaned weir boxes and serviced slide gates at AVRVP.

Valves Exercised – 0

New Meter Applications – 53 total

    Metro Main – 16

    Metro Hub – 0

    Metro Southwest – 37

### **Customer Accounts**

Total Customers Billed – 21,457

New Accounts – 326

Delinquent Accounts – July 2020

    Initial Shut Off Notices – 868

    Final Shut Offs – COVID19 – No Final Shutoffs

High Consumption Contacts – 331

Service Orders & Work Orders On's and Off Order Requests – Total performed: 367

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

        Metro Main – 62

        Metro Hub – 0

        Metro Southwest – 0

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

        Metro Main – 0

        Metro Hub – 6

        Metro Southwest – 13

    Meter On's and Off Order Requests

        Metro Main – 266

        Metro Hub – 8

        Metro Southwest – 12

## **Water Sustainability Projects**

**2020 CAP Storage** – The District’s Central Arizona Project (CAP) order of 9,960 acre-foot (AF) will be delivered to groundwater savings facilities (GSF) partners. As of the end of June, a total of 6,036 AF has been delivered to our GSF partners. 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. Five hundred AF have been delivered in July for the Arizona Water Banking Authority (Bank), leaving 1,500 AF to deliver by year end.

**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 of the South Shannon Treatment System. The invoice for July 2020 will be submitted in August.

On June 9, 2020, District staff attended a Community Advisory Board (CAB) meeting related to the Proposed Remedial Action Plan (PRAP). Topics for discussion were the latest groundwater monitoring results, comments to date on PRAP, and possible advanced treatment at the South Shannon well site. There will only be one more CAB meeting to approve the Record of Decision (ROD) for the final remedial actions to be taken for the South Shannon/CDC WQARF site. It will include continuing the South Shannon Treatment System operations, enough flexibility to address potential 1,4-dioxane treatment and potential pump and treat systems on additional wells if needed.

ADEQ’s consultant is conducting additional groundwater modeling with input from District staff 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. 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. To date, there have been no comments regarding this report from ADWR staff.

**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.

## **Capital Improvement Program & Other Major Projects**

**Northwest Recharge, Recovery, and Delivery System (NWRDSD)** – 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. AVRW-01 has been drilled and installed, and the first phase of “development” (cleaning out the well) is complete with water clear of mud and sand by the end of the process. Yellow Jacket has drilled and installed AVRW-03, and development is underway. Yellow Jacket has just commenced drilling AVRW-02. Once development is complete at AVRW-02, Yellow Jacket will install a test pump in AVRW-01 to begin the final step of development, step testing, and constant-rate testing. Only at this final point will we know the productivity and water quality of the new well. After testing is complete at AVRW-01, Yellow Jacket will move on to AVRW-03 and finally, AVRW-02.

The JOC contractor for the “early out” task related to access for Recovery Well AVRW-02 completed approximately 50% of the associated work. The project is anticipated to be completed in early August, and is ahead of schedule.

The District’s consultant is proceeding with work related to the final design of the transmission main and forebay facility. The consultant’s Surge Analysis technical memorandum was reviewed with staff and the Partners, and the consultant is in the process of finalizing the report. Coordination meetings were held with various stakeholders including Trico, Marana Transportation, Pima County Flood Control, and CAP. The consultant anticipates submitting the 60% plans for review in late August.

Staff continued to follow up with Trico regarding the preliminary design for electrical facilities related to the recovery wells. Trico has been focusing their efforts on the preliminary design as it relates to service to the recovery wells due to the need for easements from the Arizona State Land Department. Trico recently informed staff that they would prefer the District provide the easement legal descriptions and staff obtained a proposal from the District’s miscellaneous property acquisition consultant.

The District’s program design consultant proceeded with the SCADA Preliminary Design Report, which was submitted for review on August 5, 2020. The consultant is finalizing the preliminary design for the well equipping and collector pipelines.

A Technical Group meeting was held on July 21, 2020. A Partner meeting was held on July 23, 2020.

**NWRRDS (Metro-only portion)** – Activities related to the transmission main design between Blue Bonnet and the Herb Johnson reservoir prepared by District staff are on hold. The final design will be completed in Fiscal Year 2021.

Staff are reviewing a draft cost opinion and hydraulic analysis which was received from the District's as-needed consultant on July 24, 2020.

A progress meeting was held on July 23, 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 is anticipated to begin final paving in August. Adjustments to District infrastructure, as authorized by the Intergovernmental Agreement (IGA) executed in April 2019 are pending completion of the final paving.

**RTA Waterline Relocation – Valencia Road Valve and Meter Adjustments** – Pima County's roadway contractor continued making adjustments to District infrastructure as authorized by the IGA executed in December 2017.

**ADOT Oracle Road Pavement / Drainage Upgrades** – The Board of Directors awarded the construction contract to Western Utility Contractors LLC, dba Overley's, at the July 13, 2020 meeting. Construction is expected to commence in August 2020.

**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