

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

**September 13, 2021**

**Monthly Status of the District – August 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.

**August 2021 Report**

**Water Usage/Quality**

Amount of Water Consumed in Metro Main

FY 2022 Year to Date – 416,892,200 gallons

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

Amount of Water Consumed in Metro Hub

FY 2022 Year to Date – 45,059,600 gallons

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

Amount of Water Consumed in Metro Southwest

FY 2022 Year to Date – 30,779,100 gallons

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

Revenue Metered Sales Billed in August 2021 – Grand Total \$1,634,728.55

Metro Main – \$1,401,168.72

Metro Hub – \$121,531.79

Metro Southwest – \$112,028.04

Prior Year 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

Water Quality Samples

84 Microbiological samples taken from the distribution system.

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

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

## **System Maintenance**

Noteworthy Maintenance Projects and Major Repairs in August 2021:

1. Capped the 12” AC line between the Lattamore site and the District’s system.
2. Repaired a broken DVA in Diablo Village.
3. Pulled pump #2 at the Northeast Booster Station for replacement.
4. Maintenance staff performed repairs on six pressure reducing valves.
5. Staff repaired eight leaks on services and mainlines between the District service areas.

Valves Exercised – 11

Meter Replacements – 10 – ¾” meters; 16 – 1” meters; 10 – 1½” meters; 11 – 2” meters  
Meters Tested – 0

New Meter Applications – 10 total  
Metro Main – 9  
Metro Hub – 0  
Metro Southwest – 1

## **Customer Accounts**

Total Customers Billed – 22,028

New Accounts – 229

Delinquent Accounts – August 2021  
Initial Shut Off Notices – 960  
Final Shut Offs – 124

High Consumption Contacts – 119

Service Orders & Work Orders and On’s and Off Order Requests – Total performed: 321  
Service Orders (generated from customers calling in with a problem) & Work Orders  
(generated by staff when a need to perform additional work is recognized):  
Metro Main – 7  
Metro Hub – 5  
Metro Southwest – 4  
Meter On’s and Off Order Requests  
Metro Main – 257  
Metro Hub – 8  
Metro Southwest – 40

## **Water Sustainability Projects**

**2021 CAP Storage** – There has been 7,476 acre-feet (AF) of the District’s CAP order stored as of the end of July. All of the District’s order for 2021 will be delivered to groundwater savings facilities (GSF). The City of Phoenix has ordered 3,500 AF of water to be delivered to Avra Valley Recharge Project (AVRP), which started on July 1, 2021. A total of 594 AF of Phoenix’s water was delivered to AVRP in July.

**South Shannon Treatment System Reimbursements** – Since 2000, \$1,407,666.99 has been reimbursed by the Arizona Department of Environmental Quality (ADEQ). For Fiscal Year 2022, ADEQ has a budget of \$61,234 for operations, sampling, and \$43,260 for two Granular Activated Carbon (GAC) change outs of the South Shannon Treatment System. The invoice for August 2021 will be submitted by mid-September 2021.

**Diablo Village Production Well** – Drilling activities have started on a new production well in the Diablo Village service area. The drilling, construction, and equipping is being developer financed. District staff will provide limited oversight at important stages of drilling and testing of the well. Water quality and pumping capacity must meet minimum requirements that were provided to the developer and their consultant. Final acceptance of the well by the District will include ownership of the well parcel and a District service area well permit from Arizona Department of Water Resources (ADWR).

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

**Northwest Recharge, Recovery, and Delivery System (NWRDRS)** – Easement acquisition is ongoing. The following summarizes the status of easements: APN 216-32-028A was recently acquired by another party and the portion of APN-32-025A that includes the District’s easement area was recently acquired by the same party. Legal counsel is working on behalf of the District to negotiate the acquisition of the easements.

The consultant is working on the final design of the transmission main and forebay. Clarification and discussion of comments made on the 95% proof submittal was completed. Site electrical continues coordination with Trico. Agency reviews are ongoing. The final design package is expected in September.

Staff received 90% design plans and specifications for the well equipping and collector pipelines. Review is underway by staff and the Partners.

The estimate of probable costs exceeds the previously-estimated costs. Review and discussion of potential cost-saving alternatives is underway.

A Partner meeting was held on August 25, 2021. A Technical Group meeting was not held in August as the updates were provided during the Partner meeting.

**NWRDRS (Metro-only portion)**

Staff is reviewing the final design for QA/QC against available utility comments and the consultant constructability review. Once complete, the plans will be submitted to Pima County and the Town of Marana for review. Staff is continuing to work with the other partners on design elements within the Town of Marana corridor.

Pipe loop testing is complete and the testing apparatus has been decommissioned. The consultant is preparing the final technical memorandum.

**E&T22 Well Replacement** – Land acquisition activities are ongoing.

**Ironwood Well Site Acquisition** – Land acquisition activities are ongoing.

**ADOT Oracle Road Pavement / Drainage Upgrades** – Project closeout for the District's mainline replacement is continuing with the contractor. All required documentation has been received and the final pay application is in process.

The roadway contractor completed potholing in the vicinity of proposed drainage improvements and confirmed there is a conflict with the District's existing waterline. The additional waterline lowering work is expected to commence in late September with final confirmation of the roadway contractor's schedule.

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