

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

October 13, 2021

Monthly Status of the District – September 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.

September 2021 Report

Water Usage/Quality

Amount of Water Consumed in Metro Main

FY 2022 Year to Date – 616,950,800 gallons

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

Amount of Water Consumed in Metro Hub

FY 2022 Year to Date – 67,561,600 gallons

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

Amount of Water Consumed in Metro Southwest

FY 2022 Year to Date – 43,810,500 gallons

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

Revenue Metered Sales Billed in September 2021 – Grand Total \$1,712,892.12

Metro Main – \$1,460,089.12

Metro Hub – \$141,906.77

Metro Southwest – \$110,896.23

Prior Year 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

Water Quality Samples

84 Microbiological samples taken from the distribution system.

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

72 Lab/field test samples for VOCs, IOC, Metals, DBPs, Nitrate, 1,4-Dioxane, Perfluorinated Chemicals, Hexavalent Chromium, and Arsenic.

System Maintenance

Noteworthy Maintenance Projects and Major Repairs in September 2021:

1. Installed new inline valve on Oracle Road.
2. Replaced 8” mag meter for the Meredith well.
3. Installed six new customer service lines.
4. Completed broadband installation in E&T for telemetry and security visibility.
5. Repaired VFD on booster #1 at NERBS facility.

Valves Exercised – 73

Meter Replacements – 6 – 5/8” meters; 14 – 1” meters; 6 – 2” meters
Meters Tested – 5

New Meter Applications – 19 total
Metro Main – 14
Metro Hub – 0
Metro Southwest – 5

Customer Accounts

Total Customers Billed – 22,007

New Accounts – 245

Delinquent Accounts – September 2021
Initial Shut Off Notices – 1,075
Final Shut Offs – 152

High Consumption Contacts – 138

Service Orders & Work Orders and On’s and Off Order Requests – Total performed: 370
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 – 30
Metro Hub – 10
Metro Southwest – 11
Meter On’s and Off Order Requests
Metro Main – 251
Metro Hub – 13
Metro Southwest – 55

Water Sustainability Projects

2021 CAP Storage – There has been 8,586 acre-feet (AF) of the District’s CAP order stored as of the end of August. 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 AVRVP, which started on July 1, 2021. A total of 1,595 AF of Phoenix’s water was delivered to AVRVP at the end of August.

South Shannon Treatment System Reimbursements – Since 2000, \$1,417,764.49 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 GAC change outs of the South Shannon Treatment System. The invoice for September 2021 will be submitted by mid-October 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 are providing 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 finalize 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 partners are deliberating some changes in the final design package to bring estimated construction costs down. Assuming the changes are implemented, the final package would be expected in November.

Staff received 90% design plans and specifications for the well equipping and collector pipelines. Review completed by staff and the partners and a review meeting was held with the consultant to clarify comments. The consultant is incorporating changes required. The partners are deliberating some changes in the final design package to bring estimated construction costs down. Assuming the changes are implemented, the final package would be expected in November.

A Partner meeting was held on September 21, 2021. A Technical Group meeting was not held in September as the updates were provided during the Partner meeting.

NWRRDS (Metro-only portion)

Agency reviews are ongoing. Staff are working to complete final construction documents in anticipation of starting the bid process in the beginning of calendar year 2022.

Pipe loop testing and the draft final report was submitted October 1st for review.

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 original mainline replacement project is complete and the final invoice was submitted by the contractor.

The District utilized the services of a Job Order Contractor through the City of Tucson to lower a portion of an existing waterline in the vicinity of proposed drainage improvements. This conflict was not identified in the previous mainline replacement work. The waterline lowering was completed in September and the final invoice was submitted by the contractor.

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