

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

December 6, 2021

Monthly Status of the District – November 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.

November 2021 Report

Water Usage/Quality

Amount of Water Consumed in Metro Main

FY 2022 Year to Date – 983,513,500 gallons

FY 2021 Year to Date – 1,157,397,600 gallons

Amount of Water Consumed in Metro Hub

FY 2022 Year to Date – 110,532,400 gallons

FY 2021 Year to Date – 139,825,400 gallons

Amount of Water Consumed in Metro Southwest

FY 2022 Year to Date – 70,801,400 gallons

FY 2021 Year to Date – 79,624,100 gallons

Revenue Metered Sales Billed in November 2021 – Grand Total \$1,559,574.92

Metro Main – \$1,319,518.08

Metro Hub – \$125,923.66

Metro Southwest – \$114,133.18

Prior Year Revenue Metered Sales Billed in November 2020 – Grand Total \$1,772,272.51

Metro Main – \$1,529,332.56

Metro Hub – \$131,527.00

Metro Southwest – \$111,412.95

Water Quality Samples

88 Microbiological samples taken from the distribution system.

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

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

System Maintenance

Noteworthy Maintenance Projects and Major Repairs in November 2021:

1. Replaced the Magee LaCholla south tank Cathodic Protection System.
2. Completed the replacement of two VFD's at NERBS.
3. Repaired 8" PVC mainline on Giaconda.
4. Replaced fan motor for the well enclosure at Hub 4.
5. Repaired leak at Creeger in Metro Southwest.

Valves Exercised – 96

Meter Replacements – 85 – 5/8" meters; 1 – 1" meters
Meters Tested – 1

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

Customer Accounts

Total Customers Billed – 22,052

New Accounts – 219

Delinquent Accounts – November 2021
Initial Shut Off Notices – 1,081
Final Shut Offs – 136

High Consumption Contacts – 201

Service Orders & Work Orders and On's and Off Order Requests – Total performed: 338
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 – 35
Metro Hub – 6
Metro Southwest – 11
Meter On's and Off Order Requests
Metro Main – 233
Metro Hub – 8
Metro Southwest – 45

Water Sustainability Projects

2021 CAP Storage – All 9,960 acre-feet (AF) of the District’s CAP order has been delivered as of the end of October. All of the District’s order for 2021 was delivered to groundwater savings facilities (GSF). The City of Phoenix has ordered 3,500 AF of water to be delivered to AVRP, which started on July 1, 2021. A total of 3,007 AF of Phoenix’s water was delivered to AVRP at the end of October. No deliveries were made during November while the CAP canal was shut down for annual maintenance.

South Shannon Treatment System Reimbursements – Since 2000, \$1,427,193.45 has been reimbursed by the Arizona Department of Environmental Quality (ADEQ). For Fiscal Year 2022, ADEQ has a budget of \$61,234 for operations and sampling, and \$43,260 for two GAC change outs of the South Shannon Treatment System. The invoice for November 2021 will be submitted by mid-December 2021.

Diablo Village Production Well – Drilling activities have halted on a new production well in the Diablo Village service area due to the results of water quality analyses. The District and the developer are in discussions about alternatives.

Capital Improvement Program & Other Major Projects

Northwest Recharge, Recovery, and Delivery System (NWRDSD) – Acquisition of easements on APN 216-32-028A and APN 216-32-025A is complete and staff met with the new land owner on October 15, 2021 to coordinate activities. Additional temporary easements to increase construction access may be obtained from the Town of Marana if obtaining 404 permit(s) for clearing is not required.

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. Coordination of off-site electrical was completed. Agency reviews are ongoing. Notice of Intent to Clear Land was obtained from ADOA and the required insurance for UPRR was obtained. The partners agreed to install only one reservoir at the forebay site to bring construction costs down. The final package is expected in December.

The consultant is incorporating the changes in the final design package for the well equipping and collector pipelines to bring estimated construction costs down, mostly through deferring equipping of recovery well #1. The final package is expected in December.

Staff intends to procure construction of well equipping/collector pipeline, the transmission main, and forebay using a two-step process. Step one is to pre-qualify construction firms and only allow the pre-qualified firms to provide bids in Step two. A draft procurement document for Step one was drafted and is out for review by the partners.

A Partner meeting was held on November 18, 2021. A Technical Group meeting was not held in November as the updates were provided during the Partner meeting.

NWRRDS (Metro-only portion) – Agency reviews are ongoing.

The final Pipe Loop testing report was submitted on October 19, 2021.

Staff has received the 100% NWRRDS Metro Independent Booster Station submittal on November 20, 2021 and are currently reviewing.

E&T22 Well Replacement – Land acquisition is being finalized following the Board's action on November 8, 2021. A single bid was received by the District for the replacement well drilling and testing. The bid amount greatly exceeded the budgeted funding for the CIP project. District staff will evaluate what can be done to make the project more attractive to additional bidders, potentially combining this project with the Ironwood well drilling and testing.

Ironwood Well Site Acquisition – Land acquisition activities are 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