

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

September 12, 2022

Monthly Status of the District – August 2022

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 2022 Report

Water Usage/Quality

Amount of Water Consumed in Metro Main

FY 2023 Year to Date – 415,298,600 gallons

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

Amount of Water Consumed in Metro Hub

FY 2023 Year to Date – 45,765,700 gallons

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

Amount of Water Consumed in Metro Southwest

FY 2023 Year to Date – 31,685,400 gallons

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

Revenue Metered Sales Billed in August 2022 – Grand Total \$1,705,712.13

Metro Main – \$1,455,325.66

Metro Hub – \$131,713.93

Metro Southwest – \$118,672.54

Prior Year 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

Water Quality Samples

84 Microbiological samples taken from the distribution system.

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

118 Lab/field test samples for VOCs, IOCs, SOC's, Metals, Nitrate, 1,4-Dioxane, Perfluorinated Chemicals, Hexavalent Chromium, and Arsenic.

System Maintenance

Noteworthy Maintenance Projects and Major Repairs in August 2022:

1. Replaced Softstart with NEMA starter at Hub 1A due to lightning.
2. Replaced leaking fittings and pressure relief on Magee/La Cholla hydropneumatic tank.
3. Potholed mainline depths in the E&T service area for future main replacement design.
4. Relocated water service from 4” main to 8” main.
5. Repaired six water service leaks.

Valves Exercised – 61

Meter Replacements – 61 – 5/8” meters; 11 – 2” meters
Meters Tested – 0

New Meter Applications – 20 total
Metro Main – 20
Metro Hub – 0
Metro Southwest – 0

Customer Accounts

Total Customers Billed – 22,142

New Accounts – 230

Delinquent Accounts – August 2022
Initial Shut Off Notices – 1,745
Final Shut Offs – 153

High Consumption Contacts – 132

Service Orders & Work Orders and On’s and Off Order Requests – Total performed: 193
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 – 11
Metro Hub – 21
Metro Southwest – 18
Meter On’s and Off Order Requests
Metro Main – 112
Metro Hub – 6
Metro Southwest – 36

Water Sustainability Projects

2021 CAP Storage – The District has ordered 9,960 acre-feet of its allocation to be delivered to groundwater savings facility (GSF) partners in 2022 with the remaining 3,500 acre-feet of the District’s allocation delivered to CAP for use in the 500 Plus Plan as additional system conservation beyond what the DCP requires of the state. As of July 31, 2022, a total of 7,808 acre-feet of the District’s CAP order has been delivered to GSF partners.

The City of Phoenix has ordered 3,500 acre-feet of CAP water to be delivered to AVRP in 2022. Deliveries of Phoenix water began at AVRP in June after facility improvements were completed. A total of 2,123 acre-feet of Phoenix’s water was delivered at the end of August. During the month of August, delivery rates to AVRP were significantly increased through the improved metering and delivery piping. In past years, the maximum flow rate that could be delivered was 12 cubic feet per second (cfs). For part of August, a flow rate of approximately 20 cfs was delivered to the facility. This equates to about 40 acre-feet per day. A total of 1,293 acre-feet of water was delivered to AVRP in August.

South Shannon Treatment System Reimbursements – Since 2000, \$1,498,468.43 has been reimbursed by the Arizona Department of Environmental Quality (ADEQ). For Fiscal Year 2023, ADEQ has a budget of \$63,071 for operations and sampling, and \$44,558 for two GAC changeouts of the South Shannon Treatment System. The invoice for August 2022 will be submitted in mid-September. The installation of the designed Advanced Oxidation Process system will hopefully occur during Fiscal Year 2023. This will allow the operation of the South Shannon well at full capacity, and capture/treat the contaminant plume more efficiently.

Capital Improvement Program & Other Major Projects

Northwest Recharge, Recovery, and Delivery System (NWRDRS)

Staff and the District’s consultant are exploring potential construction cost savings measures based on input from contractors.

NWRDRS (Metro-only portion)

Work is continuing on the Landscape and Native Plant Mitigation Plan to satisfy a requirement by Pima County. Staff and the Partners held a coordination meeting to discuss the timing of the next steps for the boosters and independent pipeline segments.

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

Ironwood Well Site Acquisition – Land acquisition activities are ongoing. Marana Unified School District Board approved the acquisition agreement at their August 11, 2022 meeting. Staff are waiting on updated documents from the Title Company to proceed with the acquisition. Staff prepared the notice of intent to clear native vegetation and are coordinating with the Arizona Department of Agriculture for approval as well as developing the preliminary grading plan to enable well driller access to the site.

AVRP Upgrades – Construction is complete and operation of the new improvements commenced on June 27, 2022. Project closeout is in progress pending documents from Borderland. Warranty work for the LCD display is in progress.

The Board should feel free to request any additional information that it would like to see on this report. Staff are prepared to discuss any questions that the Board may have regarding this report.

Respectfully Submitted,

Joseph Olsen, P.E.
General Manager