

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

June 13, 2022

Monthly Status of the District – May 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.

May 2022 Report

Water Usage/Quality

Amount of Water Consumed in Metro Main

FY 2022 Year to Date – 1,985,150,900 gallons

FY 2021 Year to Date – 2,189,867,600 gallons

Amount of Water Consumed in Metro Hub

FY 2022 Year to Date – 223,816,500 gallons

FY 2021 Year to Date – 262,627,200 gallons

Amount of Water Consumed in Metro Southwest

FY 2022 Year to Date – 152,322,800 gallons

FY 2021 Year to Date – 158,814,800 gallons

Revenue Metered Sales Billed in May 2022 – Grand Total \$1,586,961.26

Metro Main – \$1,331,153.85

Metro Hub – \$142,288.18

Metro Southwest – \$113,519.23

Prior Year Revenue Metered Sales Billed in May 2021 – Grand Total \$1,589,081.63

Metro Main – \$1,328,223.44

Metro Hub – \$145,372.05

Metro Southwest – \$115,486.14

Water Quality Samples

84 Microbiological samples taken from the distribution system.

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

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

System Maintenance

Noteworthy Maintenance Projects and Major Repairs in May 2022:

1. Replaced leaking 4” valve, tee, and 8” valve on A/C line.
2. Rebuilt 12” PRV at the Northeast Reservoir Booster Station.
3. Installed telemetry panel at Lazy B.
4. Replaced two additional large meter vaults.
5. Replaced and raised distribution sample station enclosure.

Valves Exercised – 18

Meter Replacements – 1– 2” meters

Meters Tested – 0

New Meter Applications – 5 total

Metro Main – 5

Metro Hub – 0

Metro Southwest – 0

Customer Accounts

Total Customers Billed – 22,120

New Accounts – 249

Delinquent Accounts – May 2022

Initial Shut Off Notices – 1,519

Final Shut Offs – 110

High Consumption Contacts – 306

Service Orders & Work Orders and On’s and Off Order Requests – Total performed: 159

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 – 9

Metro Hub – 6

Metro Southwest – 6

Meter On’s and Off Order Requests

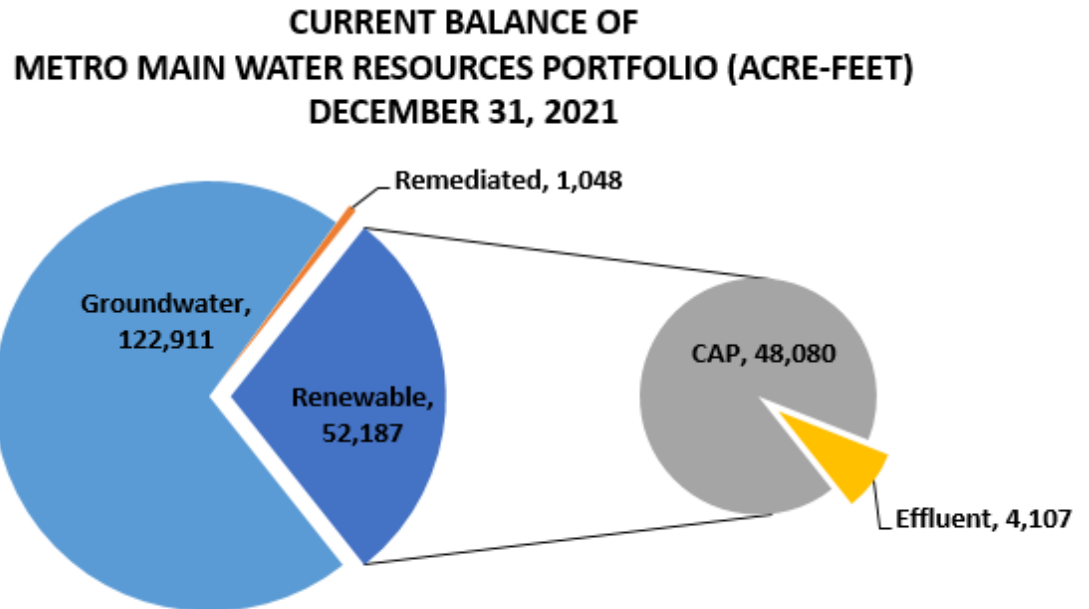
Metro Main – 86

Metro Hub – 10

Metro Southwest – 42

Water Sustainability Projects

2021 Water Portfolio



**2021 Asset Value of Renewal Supplies \$11.8M
which is an increase of \$1.3M from 2020**

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. The District will be compensated at a rate of \$260.61 per acre-foot, which totals \$912,135.00. The City of Phoenix has ordered 3,500 acre-feet of CAP water to be delivered to AVRVP in 2022. Deliveries could begin this June after the remaining improvements are completed.

South Shannon Treatment System Reimbursements – Since 2000, \$1,484,409.29 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 changeouts of the South Shannon Treatment System. The invoice for May 2022 will be submitted in mid-June.

2022 Annual Subsidence Report – The maps provided by ADWR illustrate the land surface deformation as measured by differential interferometric synthetic aperture radar (DiffSAR) methods during the time period of May 15, 2010 through March 13, 2022. In general, the interferograms show that there is one subsidence feature and two uplift features in the Tucson Metropolitan Area. The subsidence feature is the area known as the Central Tucson feature and is centered around Swan Road and Golf Links Road. This subsidence

feature is not within any of the District's service areas. ADWR InSAR data does not detect any active land subsidence within the District's service area at this time. The two uplift features appear to be a result from groundwater recharge facilities.

Capital Improvement Program & Other Major Projects

Northwest Recharge, Recovery, and Delivery System (NWRRDS)

Staff and the District's consultants continue finalizing efforts to obtain the various permits and authorizations required for close-out of the design phase.

MOA 22008-00 was signed by the Partners authorizing postponing construction of Packages 3, 4, 5, and 6.

The Arizona State Land Department provided a draft temporary construction easement that would enable an intermediate jacking pit, which is expected to reduce the duration of monitoring required by Union Pacific Railroad during jacking operations. Staff is continuing research on an alternative crossing location that may provide additional options for crossing I-10 and Union Pacific Railroad.

NWRRDS (Metro-only portion)

Staff is reviewing comments from the second Pima County review. Work commenced on the Landscape and Native Plant Mitigation Plan to satisfy a requirement by Pima County. MOA 2022-02_00 OV was signed by the partners authorizing Oro Valley to direct the completion of the remaining cultural and environmental studies required to enable the review and permitting of the NWRRDS Independent Boosters and the independent transmission mains west of Twin Peaks.

As a result of the recent bid results for the NWRRDS Partner Pipeline and Collector Pipelines the Metro Water Independent Pipeline has been further phased into a 4th phase consisting of just the 20-inch pipeline from the Herb Johnson Reservoir to the future junction with the Ironwood well collector pipeline.

E&T22 Well Replacement – Land acquisition activities are ongoing. Final specifications for the well drilling and construction were completed.

Ironwood Well Site Acquisition – Land acquisition activities are ongoing. Final specifications for the well drilling and construction were completed.

New Linda Vista Well Deepening – Specifications are being prepared for deepening and lining the New Linda Vista Well with a 12-inch casing and screen. The well is currently ~600 feet deep. This project proposes to deepen the well to 800 feet.

AVRP Upgrades – Construction of the delivery and metering infrastructure is substantially complete. Staff is coordinating cost proposals from the contractor to add scour protection in the vicinity of the discharge piping at the basins.

Skyline Ranchos Mainline Replacement – Design of the replacement waterline to provide service to the subdivision was completed. Construction of the new waterline is underway.

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