

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

May 15, 2023

Monthly Status of the District – April 2023

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.

April 2023 Report

Water Usage/Quality

Amount of Water Consumed in Metro Main

FY 2023 Year to Date – 1,727,846,700 gallons

FY 2022 Year to Date – 1,806,427,800 gallons

Amount of Water Consumed in Metro Hub

FY 2023 Year to Date – 188,757,700 gallons

FY 2022 Year to Date – 201,021,400 gallons

Amount of Water Consumed in Metro Southwest

FY 2023 Year to Date – 145,293,700 gallons

FY 2022 Year to Date – 138,620,500 gallons

Revenue Metered Sales Billed in April 2023 – Grand Total \$ 1,508,409.49

Metro Main – \$ 1,269,923.46

Metro Hub – \$ 120,675.02

Metro Southwest – \$ 118,811.01

Prior Year Revenue Metered Sales Billed in April 2022 – Grand Total \$ 1,540,622.21

Metro Main – \$ 1,287,337.36

Metro Hub – \$ 134,862.26

Metro Southwest – \$ 118,422.59

Water Quality Samples

84 Microbiological samples taken from the distribution system.

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

60 Lab/field test samples for VOCs, SOCs, IOCs, Nitrate, 1,4-Dioxane, PFAS compounds, and Arsenic.

System Maintenance

Noteworthy Maintenance Projects and Major Repairs in April 2023:

1. Replaced cathodic protection system on the Hub Reservoir west storage tank.
2. Replaced the large meter vault at the Barcelona Apartments.
3. Installed three new VFDs and one across the line pump panel at Diablo Village #2
4. Installed three new service lines for the customer transfer from Tucson Water at E&T.
5. Replaced five breakers to lower the ARC flash ratings.

Valves Exercised – 27

Meter Replacements – 114 – 5/8” meters; 1 – 1” meters
Meters Tested – 0

New Meter Applications – 7 total
Metro Main – 4
Metro Hub – 0
Metro Southwest – 3

Customer Accounts

Total Customers Billed – 22,116

New Accounts – 140

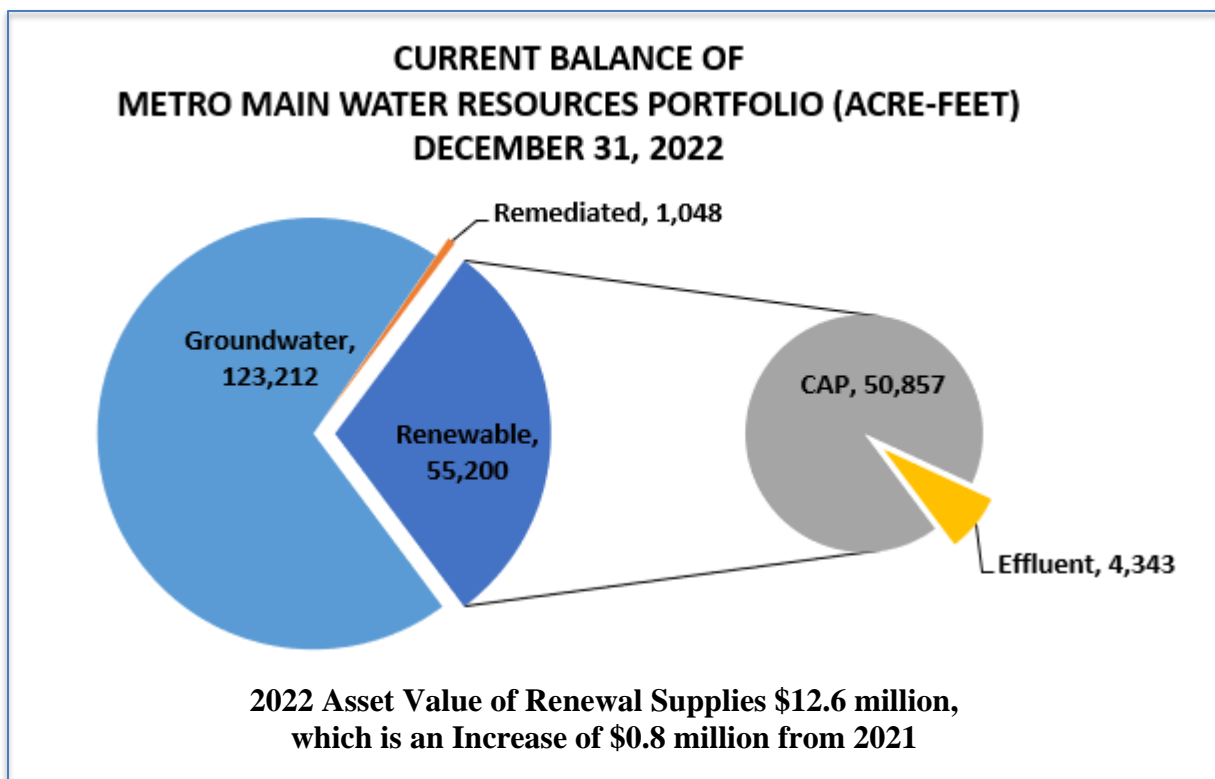
Delinquent Accounts – April 2023
Initial Shut Off Notices – 631
Final Shut Offs – 44

High Consumption Contacts – 177

Service Orders and On's and Off Order Requests – Total performed: 233

Service Orders:
Metro Main – 5
Metro Hub – 5
Metro Southwest – 4
Meter On's and Off Order Requests
Metro Main – 177
Metro Hub – 5
Metro Southwest – 37

Water Sustainability Projects



2023 CAP Storage – The District has offered to participate in the US Bureau of Reclamation’s Lower Colorado River Conservation and Efficiency Program, with 5,000 acre-feet of CAP water for 2023-2025. Compensation for this volume of water at \$400 per acre-foot results in \$2 million of annual revenue. This volume of CAP will not be delivered to the District, but will become part of the necessary conservation needed to stabilize Lake Mead and Lake Powell. This volume does not represent a reduction in the District’s allocation in future years. The remaining 8,460 acre-feet (AF) of the District’s CAP allocation will be delivered to Groundwater Savings Facilities in 2023. As of the end of March, a total of 1,923 AF of the District’s water has been delivered to the CMID groundwater savings facility.

The City of Phoenix has ordered 7,200 acre-feet of CAP water to be delivered to AVRP in 2023. Deliveries of Phoenix water began at AVRP on March 2, 2023, and are anticipated to be completed by the end of November 2023. As of the end of April a total of 1,448 AF of City of Phoenix water has been delivered to AVRP.

2023 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 8, 2023. 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 and changes in historic groundwater pumping locations.

South Shannon Treatment System Reimbursements – Since 2000, \$1,530,393.76 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 April 2023 will be submitted in mid-May. The installation of the designed Advanced Oxidation Process (AOP) system is expected to begin 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. Discussions have started with ADEQ regarding a revised O&M reimbursement intergovernmental agreement to cover the costs associated with operation of the new AOP system.

Capital Improvement Program & Other Major Projects

Northwest Recharge, Recovery, and Delivery System (NWRRDS) (Partnered portion) Staff is finalizing a solicitation for review by the Partners and their respective procurement departments.

NWRRDS (Metro-only portion) Staff has finalized the plans, and will submit them to Pima County for approval in early May.

E&T22 Well Replacement – Legal counsel is proceeding with land acquisition activities. The District's contractor has completed pumping development and pumping tests on the new E&T 22A well. The contractor is de-mobilizing and cleaning up the well site. Staff is working with the contractor to repair damage to the site.

Ironwood Well – Preconstruction surveys were completed for the Sonoran desert tortoise, pygmy owl, and monarch butterfly. Native plant salvage is complete. Clearing and grubbing of the site and access will be completed in early May. The District's well drilling contractor anticipates drilling activities to begin in early July of 2023.

New Linda Vista Well Deepening – The District's contractor anticipates starting mobilization and drilling activities in May 2023.

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