

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

**May 13, 2024**

**Monthly Status of the District – April 2024**

**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 2024 Report**

**Water Usage/Quality**

Amount of Water Consumed in Metro Main

FY 2024 Year to Date – 1,843,223,200 gallons

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

Amount of Water Consumed in Metro Hub

FY 2024 Year to Date – 202,138,700 gallons

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

Amount of Water Consumed in Metro Southwest

FY 2024 Year to Date – 147,980,300 gallons

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

Revenue Metered Sales Billed in April 2024 – Grand Total \$1,535,288.83

Metro Main – \$1,296,381.24

Metro Hub – \$117,266.98

Metro Southwest – \$121,640.61

Prior Year 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

Water Quality Samples

84 Microbiological samples taken from the distribution system.

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

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

## **System Maintenance**

Noteworthy Maintenance Projects and Major Repairs in April 2024:

1. Completed exterior painting of tanks and piping at Diablo Village #1.
2. AOP commissioning progress at the Shannon site.
3. Repaired vault lid on the PRV at Wanda.
4. 667 service lines potholed in April; 1,383 total to date.
5. Repaired damaged hydrant due to vehicle collision.

Valves Exercised – 81

Meter Replacements – 5 – 5/8” meters  
Meters Tested – 0

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

## **Customer Accounts**

Total Customers Billed – 22,215

New Accounts – 156

Delinquent Accounts – April 2024  
Initial Shut Off Notices – 1,052  
Final Shut Offs – 43

High Consumption Contacts – 45

Service Orders and On's and Off Order Requests – Total performed: 202

Service Orders:

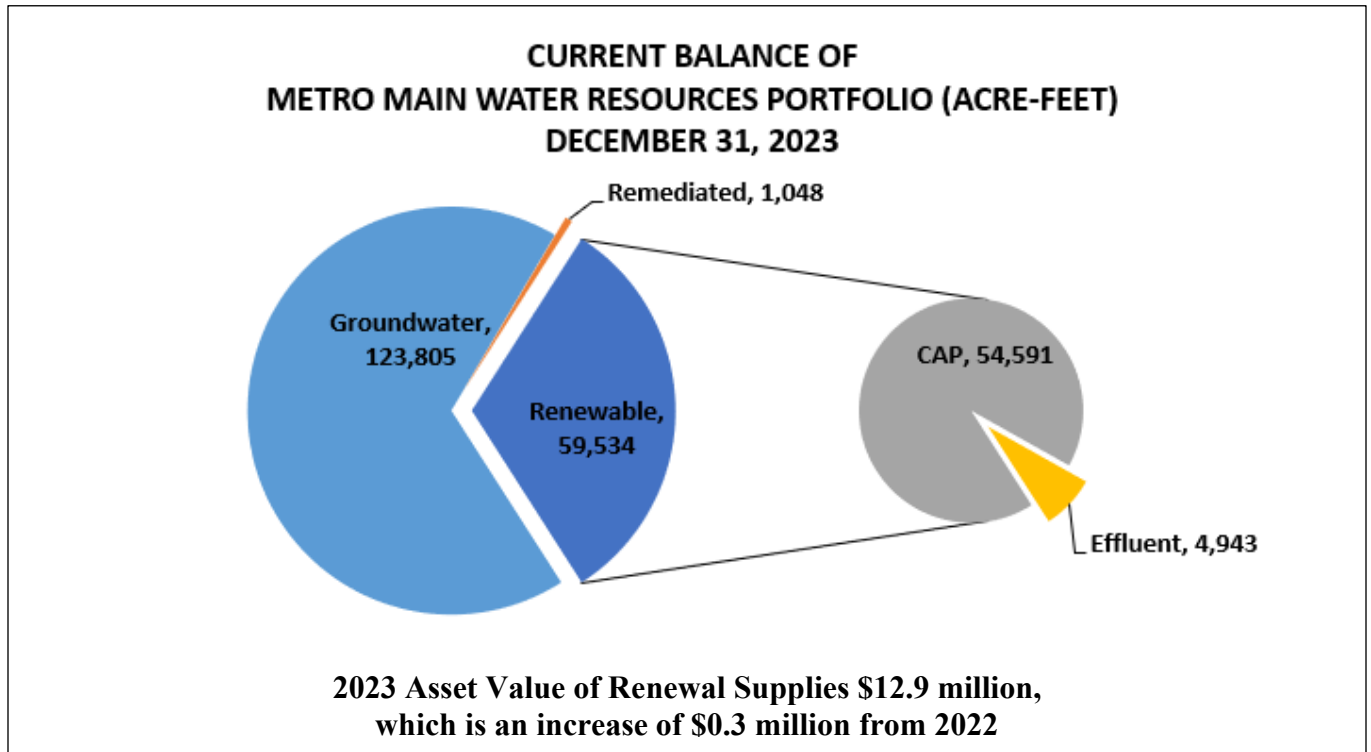
Metro Main – 9  
Metro Hub – 1  
Metro Southwest – 1

Meter On's and Off Order Requests

Metro Main – 127  
Metro Hub – 18  
Metro Southwest – 46

## Water Sustainability Projects

### 2023 Water Resources Portfolio



**2024 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 April 19, 2024. 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.

**2024 CAP Storage** –All of the District’s 8,460 acre-feet of ordered CAP water will be delivered in 2024 to groundwater savings facilities (GSF). As of the end of March, 1,365 acre-feet of the District’s order has been delivered to the CMID GSF.

The City of Phoenix ordered 7,200 acre-feet of CAP water to be delivered to AVRVP in 2024. Deliveries of Phoenix’s water began on January 3, 2024. As of the end of March, 1,691 acre-feet of Phoenix’s order has been delivered to AVRVP.

**South Shannon Treatment System Reimbursements** – Since 2000, \$1,627,363.67 has been reimbursed by the Arizona Department of Environmental Quality (ADEQ). A new funding agreement with ADEQ for the remainder of Fiscal Year 2024 through 2028 has been executed. The new agreement covers the costs of operations,

sampling, and GAC changeouts, hydrogen peroxide and other maintenance requirements of the South Shannon Treatment Advanced Oxidation Process (AOP) System. Once operational, it is anticipated that the production rate for the well will increase to approximately 650 gallons per minute (gpm). The invoice for April 2024 will be submitted in May 2024.

### **Capital Improvement Program & Other Major Projects**

**Northwest Recharge, Recovery, and Delivery System (NWRRDS) (Partnered portion)** The Construction Manager at Risk (CMAR) was authorized to proceed with GMP-01 through GMP-05. The remaining GMP-06 for the realigned portion of the transmission main is under design by District staff. The prime contractor, Borderland, has received 30,000 linear feet of pipe to date. Installation of the pipeline will begin with construction of phases 3A and 3B starting on May 15, 2024. The environmental summary report for cultural resources for the realigned portion has been received and indicates there are archeological sites that will need to be monitored during construction. An offer is pending for the TEP and Unisource easements. The cultural resources inventory and appraisal for the other two parcels are in process.

**NWRRDS (Metro-only portion)** The contractor is working in phase 3 (Blue Bonnet and Linda Vista).

**E&T22 Well Replacement** – The District’s contractor completed all WIFA-funded work. Additional work to install the generator and meter are ongoing.

**Ironwood Well** – Preliminary design of the well site is being reviewed internally. Pipeline work has commenced in conjunction with the NWRRDS Metro-only work.

**Burton Drive:** Construction started May 1, 2024. Once complete, the project will replace approximately 1,400 feet of 2” steel pipeline.

**Rose Marie Lane:** Staff is continuing with preliminary design activities. This project is anticipated to replace approximately 600 feet of 2” galvanized pipeline.

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