

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

**December 12, 2022**

**Monthly Status of the District – November 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.

**November 2022 Report**

**Water Usage/Quality**

Amount of Water Consumed in Metro Main

FY 2023 Year to Date – 978,517,800 gallons

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

Amount of Water Consumed in Metro Hub

FY 2023 Year to Date – 108,909,300 gallons

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

Amount of Water Consumed in Metro Southwest

FY 2023 Year to Date – 77,018,400 gallons

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

Revenue Metered Sales Billed in November 2022 – Grand Total \$1,575,572.15

Metro Main – \$1,334,664.15

Metro Hub – \$116,906.58

Metro Southwest – \$124,001.42

Prior Year 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

Water Quality Samples

84 Microbiological samples taken from the distribution system.

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

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

## **System Maintenance**

Noteworthy Maintenance Projects and Major Repairs in November 2022:

1. Installed loop connection at Northern Hills and Las Palmas.
2. ADEQ performed sanitary survey at E&T.
3. Pulled Tucson National West well for maintenance.
4. Pulled Deconcini Booster 1 for repairs.
5. Replace failed A/C unit on Hub 5 well panel.

Valves Exercised – 118

Meter Replacements – 67 – 5/8” meters; 5 – 1” meters; 2 – 1½” meters  
Meters Tested – 24

New Meter Applications – 3 total

Metro Main – 3

Metro Hub – 0

Metro Southwest – 0

## **Customer Accounts**

Total Customers Billed – 22,112

New Accounts – 160

Delinquent Accounts – November 2022

Initial Shut Off Notices – 1,406

Final Shut Offs – 118

High Consumption Contacts – 106

Service Orders & Work Orders and On's and Off Order Requests – Total performed: 190

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 – 12

Metro Hub – 5

Metro Southwest – 1

Meter On's and Off Order Requests

Metro Main – 110

Metro Hub – 13

Metro Southwest – 49

## **Water Sustainability Projects**

**2022 CAP Storage** – The District had 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 August 31, 2022, all of the District’s CAP order has been delivered to GSF partners.

**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 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 of the District’s CAP allocation will be delivered to GSF partners in 2023.

The City of Phoenix has ordered 7,200 acre-feet of CAP water to be delivered to AVRVP in 2023. Deliveries of Phoenix water will begin at AVRVP in March. Deliveries are anticipated to be complete by the end of November 2023.

**South Shannon Treatment System Reimbursements** – Since 2000, \$1,511,672.01 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 November 2022 will be submitted in mid-December. The installation of the designed Advanced Oxidation Process system is expected to 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**

### **NWRRDS (Partnered portion)**

A kick-off meeting was held with the District’s miscellaneous design consultant to complete a constructability and cost review of the existing design. The intent is to identify potential cost-savings measures for construction. The draft report was received on December 7, 2022 and is being evaluated by staff. District staff are evaluating design options at the Avra Valley / I-10 crossing due to a recent abandonment by Pima County of a portion of the right-of-way where the transmission main was proposed to be located. The outcome of staff’s evaluation will be included in any future redesign efforts resulting from the constructability and cost evaluation.

### **NWRRDS (Metro-only portion)**

Staff is reviewing the draft Landscape and Native Plant Mitigation Plan ahead of submitting to Pima County and the Town of Marana for approval.

**E&T22 Well Replacement** – Land acquisition activities are ongoing. KP Ventures Drilling Services was approved by the Board of Directors at the November 14, 2022 meeting to drill, construct and test the E&T 22 replacement well. KP Ventures anticipates starting mobilization and drilling activities in mid to late December 2022. Staff are coordinating with separate consultants and contractors to complete easement staking and relocation of a portion of the existing fence prior to well drilling. A project sign has been ordered in accordance with WIFA requirements and will be hung from the existing E&T 22 fence prior to well drilling.

**Ironwood Well** – The Board of Directors approved KP Ventures Drilling Services for the drilling, construction and testing of the Ironwood well at the November 14, 2022 meeting. KP Ventures anticipates drilling activities to begin in March of 2023. The District's miscellaneous design consultant is preparing an environmental information document for WIFA and public review. Receipt of the draft document was anticipated in late November, but has been delayed to early December. The document and public review must be complete prior to commencing site activities.

**New Linda Vista Well Deepening** – The Board of Directors approved KP Ventures Drilling Services for the deepening of the New Linda Vista well at the November 14, 2022 meeting. KP Ventures anticipates starting mobilization and drilling activities in late February 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