

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

**December 9, 2019**

**Monthly Status of the District – November 2019**

**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 2019 Report**

**Water Usage/Quality**

Amount of Water Consumed in Metro Main

FY 2020 Year to Date – 1,050,292,200 gallons

FY 2019 Year to Date – 980,734,500 gallons

Amount of Water Consumed in Metro Hub

FY 2020 Year to Date – 126,972,300 gallons

FY 2019 Year to Date – 120,484,500 gallons

Amount of Water Consumed in Metro Southwest

FY 2020 Year to Date – 70,581,100 gallons

FY 2019 Year to Date – 63,081,100 gallons

Revenue Metered Sales Billed in November 2019 – Grand Total \$ 1630,480.84

Metro Main – \$1,393,436.37

Metro Hub – \$133,522.37

Metro Southwest – \$103,522.10

Prior Year Revenue Metered Sales Billed in November 2018 – Grand Total \$1,408,284.46

Metro Main – \$1,204,212.01

Metro Hub – \$118,971.23

Metro Southwest – \$85,101.22

Water Quality Samples

82 Microbiological samples taken from the distribution system.

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

94 Lab/field test samples for VOCs, IOCs, JOC's, Nitrate, 1,4-Dioxane, Perfluorinated Chemicals, Hexavalent Chromium, Arsenic, Radiochemicals, and UCMR-4 constituents.

## **System Maintenance**

Noteworthy Maintenance Projects and Major Repairs in November 2019:

1. ADEQ inspection of E&T service area.
2. Replaced power monitor at the Northeast Booster Station.
3. Performed casing inspection and thickness measurements at Diablo Village 2 and Marlene.
4. Repaired two service line leaks in E&T service area.
5. Installed 17 hydrant locks on District hydrants.

Valves Exercised – 0

Meter Replacements – 10 – 5/8” meters

Meters Tested – 0

ERTs Replaced – 0

New Meter Applications – 22 total

Metro Main – 22

Metro Hub – 0

Metro Southwest – 0

## **Customer Accounts**

Total Customers Billed – 21,093

New Accounts – 224

Delinquent Accounts – November 2019

Initial Shut Off Notices – 1,045

Final Shut Offs – 147

High Consumption Contacts – 146

Service Orders & Work Orders On's and Off Order Requests – Total performed: 287

Service Orders (generated from customers calling in with a problem):

Metro Main – 40

Metro Hub – 2

Metro Southwest – 8

Work Orders (generated by staff when a need to perform additional work is recognized):

Metro Main – 12

Metro Hub – 0

Metro Southwest – 3

Meter On's and Off Order Requests

Metro Main – 192

Metro Hub – 5

Metro Southwest – 25

### **Water Sustainability Projects**

**2019 CAP Storage** – All of the City of Phoenix’s 3,500 acre-feet (AF) of water has been delivered to AVRP. All of the District’s deliveries to AVRP are also complete, and routine maintenance on the facility is complete. Four hundred and fifty AF has been stored at Tucson Water’s Southern Avra Valley Storage and Recovery Project (SAVSARP), with 7 AF remaining through the balance of this calendar year. A total of 11,000 AF of the District’s water order has been delivered to groundwater savings facilities partners.

**South Shannon Treatment System Reimbursements** – Since 2000, \$1,244,252.20 has been reimbursed by the Arizona Department of Environmental Quality (ADEQ). For Fiscal Year 2020, ADEQ has a budget of \$57,719.00 for operations and sampling of the South Shannon Treatment System. The invoice for November has been submitted.

**Avra Valley Recharge Project (AVRP)** – A technical design report and a description of the work to be performed on the AVRP facility is being prepared by Staff for submittal to the Arizona Department of Water Resources (ADWR) for a Director’s Modification to the current permit for new water measuring infrastructure. The civil design work for the civil engineering improvements planned for the AVRP facility have been completed. Some SCADA and native plant survey work still need to be completed before a bid package can be prepared. The design consultant provided a cost proposal for Board consideration at the December 9, 2019 meeting. Construction work on the facility’s improvements is anticipated to occur in Fiscal Year 2021 between January and June of 2021. These improvements, when completed, are projected to bring the operational recharge capacity up to or near the 11,000 AF permit capacity.

**Designation of Assured Water Supply (DAWS)** – District Staff had a pre-application meeting with ADWR on October 29, 2019. The meeting was to clarify parts of the application that will change regarding the sources of water available to fulfill 100-years of customer demands. During the pre-application meeting it became clear that a new analysis of Metro Main’s physically available groundwater. During the November 13, 2019 Board Meeting, the Board authorized the use of the on-call hydrology consultant to model and prepare a supporting report to meet this requirement. Staff held a kick-off meeting with Clear Creek & Associates on December 4, 2019 to discuss the work-flow and communication plan with the District and ADWR. District staff will prepare the application with the new physical availability analysis. The portfolio of water supplies that this modification will include allowable groundwater account (unchanged), remediated water (unchanged), CAP allocation (new), and CAP Long Term Storage Credits (new). This DAWS modification is the first step in the process to de-enroll Metro Main from the CAGR.

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

**Northwest Recharge, Recovery, and Delivery System (NWRDRS)** – Easement acquisition is ongoing. The following summarizes the status of immediate possession as approved by the Board:

- APN 216-32-025A and 216-32-028A: Legal counsel is continuing to prepare for trial.

The District's consultant presented draft information regarding the evaluation of pumping test and water quality sampling results. Staff are completing their review of the draft report. Additional confirmation sampling is being completed for PFAS and 1,4-Dioxane and will be addressed in an addendum to the report. This report will be the basis for the design of the three production wells.

On October 10, 2019, ADWR issued a "Complete and Correct" letter for the recovery well permit application, noting the agency determined the application to be administratively complete and correct according to state statute. The public notice was published in the Arizona Daily Star on October 17 and 24, 2019. To date, ADWR has not responded to the District regarding issuance of a draft permit or provided information regarding any objections.

Based on discussion with the Partners, the solicitation for the final design of the forebay and the transmission main is expected to be advertised beginning December 16, 2019. The Board of Directors will be asked to consider the consultant selection, based on the recommendation from the partners, at the February 10, 2020 meeting.

A meeting with the NWRRDS Partners was held on November 7, 2019. A Technical Group meeting was held on November 19, 2019.

**Metro Main Recharge Recovery Transmission Main** – The District's program support consultant submitted a revised draft scope of services, which is being reviewed by staff. Staff is reviewing the preliminary profile design for the transmission main between the forebay reservoir and the Herb Johnson reservoir.

**RTA Waterline Relocation – La Cholla Blvd: Overton Road to Lambert Lane** – The Town of Oro Valley's roadway contractor is proceeding with the removal of waterlines necessitated by the RTA roadway improvement as authorized by the Intergovernmental Agreement (IGA) executed in April 2019. Staff are participating in construction meetings and are working with the contractor to identify District facilities and resolving potential conflicts.

**RTA Waterline Relocation – Valencia Road Valve and Meter Adjustments** – Pima County's roadway contractor is proceeding with the removal of waterlines necessitated by the RTA roadway improvement as authorized by the IGA executed in December 2017. Staff are continuing to work with the contractor to identify District facilities and resolve potential conflicts.

**ADOT Oracle Road Pavement / Drainage Upgrades** – The District's design consultant is proceeding with design of the waterline relocation plans. Final plans are expected by March 2020 to allow for bidding and award of a construction contract by July 2020. Construction of the roadway improvements are anticipated to begin in the Fall of 2020.

**2nd Herb Johnson Reservoir** – The District's consultant completed the appraisal, which was reviewed by staff. An offer was presented to the land owner on November 25, 2019.

**Old Nogales Highway Mainline Replacement** – As of the end of November, the contractor has installed approximately 60 percent of the waterline. The mainline replacement project has an anticipated competition date of March 27, 2020.

**E&T 22 Well Replacement** – The District’s consultant is proceeding with evaluation and design of the site layout. Based on recent feedback from the adjacent property owner, adjustments to the potential access easement and site improvements are being evaluated.

**Diablo Village Service Line Replacement** – Staff prepared base files to support the design, which is expected to begin in January.

**Pantano Road Transmission Main** – Staff received a proposal from the District’s as-needed design consultant for necessary design updates for final design. The Board will be requested to consider the resulting proposal at its December 9, 2019 meeting.

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