

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

**February 10, 2020**

**Monthly Status of the District – January 2020**

**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.

**January 2020 Report**

**Water Usage/Quality**

Amount of Water Consumed in Metro Main

FY 2020 Year to Date – 1,343,411,900 gallons

FY 2019 Year to Date – 1,268,427,500 gallons

Amount of Water Consumed in Metro Hub

FY 2020 Year to Date – 157,866,500 gallons

FY 2019 Year to Date – 151,984,400 gallons

Amount of Water Consumed in Metro Southwest

FY 2020 Year to Date – 93,946,600 gallons

FY 2019 Year to Date – 83,488,500 gallons

Revenue Metered Sales Billed in January 2020 – Grand Total \$1,278,617.42

Metro Main – \$1,091,909.49

Metro Hub – \$95,323.61

Metro Southwest – \$91,384.32

Prior Year Revenue Metered Sales Billed in January 2019 – Grand Total \$1,198,750.51

Metro Main – \$1,021,865.01

Metro Hub – \$94,986.83

Metro Southwest – \$81,898.67

Water Quality Samples

82 Microbiological samples taken from the distribution system.

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

63 Lab/field test samples for VOCs, SOCs, Nitrate, 1,4-Dioxane, Perfluorinated Chemicals, and Arsenic.

## **System Maintenance**

Noteworthy Maintenance Projects and Major Repairs in January 2020:

1. Completed Diablo Village #2 well upgrades.
2. Pulled NERBS Booster #1 motor for repairs and bearing replacement.
3. Completed the Hardy Storage Tank internal coating.
4. Removed media from Diablo Village #1 Vessel 2 for regeneration.
5. Repaired intake for basin 1 stilling well at AVRVP.

Valves Exercised – 18

New Meter Applications – 67 total

Metro Main – 62

Metro Hub – 1

Metro Southwest – 4

## **Customer Accounts**

Total Customers Billed – 21,122

New Accounts – 244

Delinquent Accounts – January 2020

Initial Shut Off Notices – 1,022

Final Shut Offs – 115

High Consumption Contacts – 75

Service Orders & Work Orders On's and Off Order Requests – Total performed: 418

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

Metro Main – 109

Metro Hub – 2

Metro Southwest – 12

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

Metro Main – 6

Metro Hub – 8

Metro Southwest – 0

Meter On's and Off Order Requests

Metro Main – 259

Metro Hub – 8

Metro Southwest – 14

### **Water Sustainability Projects**

**2020 CAP Storage** – There has not been any storage of the Districts CAP order by GSF partners to date in 2020. Deliveries will most likely begin in March when there is no danger of freezing temperatures. There has been a total of 485 AF of Phoenix’s CAP water stored at AVRP.

**South Shannon Treatment System Reimbursements** – Since 2000, \$1,263,242.49 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 January 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. Staff issued the notice to proceed to the District’s as-needed design consultant for the SCADA and native plant survey work needing to be completed before a bid package can be prepared. Due to increasing engineering cost estimates, an alternative approach to the planned construction work will focus on installing the new metering station and water delivery infrastructure in Fiscal Year 2021 between January and June of 2021. The new metering station will eliminate any discrepancies in the CAP billing meter and estimates of irrigation deliveries.

**Designation of Assured Water Supply (DAWS)** – District 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. A subsequent phone conference with ADWR gave Clear Creek staff the correct version of the Tucson Active Management Area (TAMA) groundwater flow model to use for the physical availability analysis. District staff will prepare the application with the new physical availability analysis. The portfolio of water supplies that this modification will include are: 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 finalized the Results of Exploratory Drilling and Testing report. The field work for the additional confirmation sampling for PFAS and 1,4-Dioxane is complete and the laboratory analyses are in process. The final results will be addressed in an addendum to the exploratory drilling and testing report.

The preliminary design of the forebay facility was presented to the Technical Group for final review.

A kick-off meeting was held with the Technical Group and the District's consultant to commence efforts on the SCADA preliminary design report.

An "early out" task related to the Recovery Well equipping is underway to develop site clearing and fence relocation for the AVRW-01 and AVRW-02 sites. Approval of the notice of intent to clear by the Arizona Department of Agriculture was received. Staff began coordination with the Tucson Cactus and Succulent Society regarding salvage of viable vegetation prior to clearing the sites. Staff provided an update to the Arizona State Land Department and is awaiting an invoice related to the value of vegetation to be cleared on state trust lands. Staff and the District's hydrogeological program support consultant began developing specifications for the recovery well drilling contract.

ADWR continued its process for the recovery well permit. The permit is expected to be issued within the agency's regulatory review timeframe.

The NWRRDS committee reviewed the consultant responses to the request for qualifications for final design of the transmission main and forebay facility. The recommendation for award by the NWRRDS Partners will be considered by the Board of Directors at the February 10, 2020 meeting.

A Technical Group meeting was held on January 21, 2020 and a Partner meeting was held on January 30, 2020.

**NWRRDS (Metro-only portion)** – A kick-off was held with the District's consultant for design of the booster station and the portion of the transmission main between the booster station and Twin Peaks. Staff is continuing design efforts related to the transmission main between Twin Peaks 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 is coordinating with Oro Valley staff regarding invoicing and project completion.

**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. Per discussions with Pima County, all work is anticipated to be complete in Fiscal Year 2020.

**ADOT Oracle Road Pavement / Drainage Upgrades** – ADOT continued potholing of existing utilities and identified additional potential conflicts with District facilities. Staff and the District's design consultant continued coordination with ADOT. 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** – Coordination with the land owner is ongoing.

**Old Nogales Highway Mainline Replacement** – As of the end of January, all mainline, tie-ins and services were complete. The contractor is continuing work to finalize construction.

**E&T 22 Well Replacement** – The District’s consultant developed proposed layouts for access to the well site south of E&T 22, which will be used to finalize the legal descriptions for the proposed land swap.

**Diablo Village Service Line Replacement** – Staff began preliminary design.

**Pantano Road Transmission Main** – The District’s design consultant completed the field survey and has completed a draft update of the alignment. Staff is anticipating a review submittal in early February.

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