

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

**March 9, 2020**

**Monthly Status of the District – February 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.

**February 2020 Report**

**Water Usage/Quality**

Amount of Water Consumed in Metro Main

FY 2020 Year to Date – 1,493,401,100 gallons

FY 2019 Year to Date – 1,415,938,800 gallons

Amount of Water Consumed in Metro Hub

FY 2020 Year to Date – 174,058,000 gallons

FY 2019 Year to Date – 165,820,600 gallons

Amount of Water Consumed in Metro Southwest

FY 2020 Year to Date – 105,261,700 gallons

FY 2019 Year to Date – 93,790,700 gallons

Revenue Metered Sales Billed in February 2020 – Grand Total \$1,333,815.48

Metro Main – \$1,137,949.68

Metro Hub – \$102,905.35

Metro Southwest – \$92,960.45

Prior Year Revenue Metered Sales Billed in February 2019 – Grand Total \$1,271,567.86

Metro Main – \$1,099,029.01

Metro Hub – \$89,793.61

Metro Southwest – \$82,745.24

Water Quality Samples

82 Microbiological samples taken from the distribution system.

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

103 Lab/field test samples for VOCs, Metals, DBPs, Nitrate, 1,4-Dioxane, Perfluorinated Chemicals, Hexavalent Chromium, UCMR-4 and Arsenic.

## **System Maintenance**

### Noteworthy Maintenance Projects and Major Repairs in February 2020:

1. Repaired and serviced 23 fire hydrants.
2. Replaced overload heater on the new Linda Vista well starter.
3. Pulled Diablo Village Booster #1 for repairs.
4. Pulled Oracle Jaynes Booster #2 for repairs.
5. Reinstalled Marlene well pump.

Valves Exercised – 22

Meter Replacements – 24 – 5/8” meters

Meters Tested – 0

ERTs Replaced – 0

New Meter Applications – 26 total

Metro Main – 22

Metro Hub – 0

Metro Southwest – 4

## **Customer Accounts**

Total Customers Billed – 21,171

New Accounts – 211

Delinquent Accounts – February 2020

Initial Shut Off Notices – 1070

Final Shut Offs – 121

High Consumption Contacts – 67

Service Orders & Work Orders On's and Off Order Requests – Total performed: 353

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

Metro Main – 77

Metro Hub – 0

Metro Southwest – 16

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

Metro Main – 11

Metro Hub – 14

Metro Southwest – 0

Meter On's and Off Order Requests

Metro Main – 209

Metro Hub – 6

Metro Southwest – 20

### **Water Sustainability Projects**

**2020 CAP Storage** – Deliveries to the groundwater savings facilities (GSF) have started. The District’s CAP order of 9,960 acre-feet (AF) will be delivered to GSF partners. There has been a total of 1,128 AF of Phoenix’s CAP water stored at AVRVP.

**South Shannon Treatment System Reimbursements** – Since 2000, \$1,267,892.28 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 (AVRVP)** – District staff have submitted a report to the Arizona Department of Water Resources (ADWR) requesting a Director’s Modification to the current permit for new water measuring infrastructure. Due to increasing engineer 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 ongoing discrepancies in the CAP billing meter and estimates of irrigation deliveries.

**Designation of Assured Water Supply (DAWS)** – District staff are preparing an application to modify the District’s DAWS with the completed physical availability analysis. The physical availability analysis was performed by Clear Creek and Associates, which determined our current 8,975 AF/year volume of groundwater is still available for the District throughout a one-hundred year projection. 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 CAGRDR.

### **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 in AVEX-03 is complete. Laboratory results revealed no detections of 1,4-Dioxane. PFAS compounds were present above the machine detection limit but below the laboratory reporting limit and below any health advisory levels. The addendum to the exploratory drilling and testing report has been finalized.

The preliminary design of the forebay facility was finalized and distributed to the project Partners.

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. Staff followed up with the Arizona State Land Department regarding an invoice related to the value of vegetation to be cleared on state trust lands. A response is still pending. The District’s Miscellaneous Water Resources consultant submitted draft specifications for the recovery well drilling contract. Staff are gathering comments on the draft both internally and from the Partners before finalizing. Staff have also begun work on the contract language.

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

A scoping meeting was held February 12, 2020 with the consultant selected for final design of the transmission main and forebay facility. Letters were sent to the other consultants notifying them of their ranking.

A Technical Group meeting was held on February 18, 2020. No Partner meeting was held in February.

**NWRRDS (Metro-only portion)** – The District’s consultant began preliminary design activities related to the booster station and the transmission main from forebay to Blue Bonnet.

Preliminary plans for the transmission main between Blue Bonnet and the Herb Johnson reservoir prepared by District staff are being reviewed internally. A proposal for environmental, cultural resources, and survey services was requested from the District’s Miscellaneous Design Services consultant and is anticipated to be considered by the Board at the March 9, 2020 meeting.

**RTA Waterline Relocation – La Cholla Blvd: Overton Road to Lambert Lane** – The Town of Oro Valley’s roadway contractor has completed field work related to the removal of waterlines necessitated by the RTA roadway improvement as authorized by the Intergovernmental Agreement (IGA) executed in April 2019. Staff are coordinating with Oro Valley staff regarding invoicing and project completion.

**RTA Waterline Relocation – Valencia Road Valve and Meter Adjustments** – Pima County’s roadway contractor has completed field work related to 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 has completed 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. Staff are coordinating project closeout with the contractor.

**E&T 22 Well Replacement** – District staff began reviewing the draft legal descriptions for the proposed land swap. Staff are currently verifying setbacks from neighboring septic systems for compliance with ADEQ's setback requirements. Staff have begun drafting specifications for well drilling, installation, and testing in anticipation of requesting contractor quotes at the beginning of next fiscal year.

**Diablo Village Service Line Replacement** – Staff continued preliminary design efforts.

**Pantano Road Transmission Main** – The District's design consultant submitted a draft alignment. Staff are anticipating a review submittal following review and approval of the draft alignment.

The Board should feel free to request any additional information that it would like to see on this report. Staff are prepared to discuss any questions that the Board may have regarding this report.

Respectfully Submitted,

Joseph Olsen, P.E.  
General Manager