

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

**April 13, 2020**

**Monthly Status of the District – March 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.

**March 2020 Report**

**Water Usage/Quality**

Amount of Water Consumed in Metro Main

FY 2020 Year to Date – 1,634,039,800 gallons

FY 2019 Year to Date – 1,542,325,900 gallons

Amount of Water Consumed in Metro Hub

FY 2020 Year to Date – 188,641,300 gallons

FY 2019 Year to Date – 179,044,500 gallons

Amount of Water Consumed in Metro Southwest

FY 2020 Year to Date – 117,996,600 gallons

FY 2019 Year to Date – 104,421,500 gallons

Revenue Metered Sales Billed in March 2020 – Grand Total \$1,289,748.47

Metro Main – \$1,098,304.01

Metro Hub – \$94,435.86

Metro Southwest – \$97,008.60

Prior Year Revenue Metered Sales Billed in March 2019 – Grand Total \$1,174,224.84

Metro Main – \$1,004,487.44

Metro Hub – \$86,017.49

Metro Southwest – \$83,719.91

Water Quality Samples

82 Microbiological samples taken from the distribution system.

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

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

## **System Maintenance**

Noteworthy Maintenance Projects and Major Repairs in March 2020:

1. Installed the back-up PRV at NERBS.
2. Removed arsenic treatment media from Hub 3 Vessel #2.
3. Performed annual generator preventative maintenance.
4. Installed new pump and repaired motor for Diablo Village 1 Booster 1.
5. Performed minor repairs in Herb Johnson and Tripp Reservoirs.

Valves Exercised – 22

Meter Replacements – 44 – 5/8” meters; 1 – 1½” meters

Meters Tested – 0

ERTs Replaced – 0

New Meter Applications – 38 total

Metro Main – 22

Metro Hub – 0

Metro Southwest – 16

## **Customer Accounts**

Total Customers Billed – 21,250

New Accounts – 256

Delinquent Accounts – March 2020

Initial Shut Off Notices – 1,127

Final Shut Offs – 142

High Consumption Contacts – 94

Service Orders & Work Orders On's and Off Order Requests – Total performed: 368

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

Metro Main – 61

Metro Hub – 10

Metro Southwest – 5

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

Metro Main – 1

Metro Hub – 5

Metro Southwest – 0

Meter On's and Off Order Requests

Metro Main – 257

Metro Hub – 10

Metro Southwest – 19

## **Water Sustainability Projects**

**2020 CAP Storage** – Deliveries to the groundwater savings facilities (GSF) had not started as of the end of February. The District’s CAP order of 9,960 acre-feet (AF) will be delivered to GSF partners. There are no issues with these deliveries since the GSF partners have scheduled District deliveries later in the spring and summer. There has been a total of 1,892 AF of Phoenix’s CAP water stored at AVRVP.

**South Shannon Treatment System Reimbursements** – Since 2000, \$1,277,285.83 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 March will be submitted in mid-April.

**Avra Valley Recharge Project (AVRP)** – 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. The new metering station and water delivery infrastructure will be constructed 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 CAGR. 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.

Staff coordinated with affected entities regarding the “early out” task related to the Recovery Well equipping for irrigation ditch modifications, site clearing, and fencing for the AVRW-01 and AVRW-02 sites. Staff continued to coordinate with the Arizona State Land Department regarding an invoice related to the value of vegetation to be cleared on state trust lands. An invoice is still pending.

Staff submitted a draft of the access agreement to BKW for review.

The District's Miscellaneous Water Resources consultant and staff finalized the specifications for the recovery well drilling contract.

The District received the final recovery well permit signed March 23, 2020. Staff are working on bid documents to advertise for the well drilling contractor and drafting a Memorandum of Agreement for water quality analyses.

Staff and the project Partners reviewed and approved the scope of services for final design of the transmission main and forebay facility. The consultant began preparing the associated design fee for review.

Staff coordinated with the project Partners to reschedule the SCADA workshop to May 2020.

A Technical Group meeting was held on March 17, 2020. A Partner meeting was held on March 19, 2020.

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

Preliminary plans for the transmission main between Blue Bonnet Road and the Herb Johnson reservoir prepared by District staff are being reviewed internally. The District's Miscellaneous Design Services consultant began work on the culture survey between Thornydale and Shannon Roads where recent development significantly altered road and drainage infrastructure.

**RTA Waterline Relocation – La Cholla Blvd: Overton Road to Lambert Lane** – The Town of Oro Valley's roadway contractor continued construction of the RTA roadway improvements. Staff are coordinating with Oro Valley staff regarding invoicing and project completion as authorized by the Intergovernmental Agreement (IGA) executed in April 2019.

**RTA Waterline Relocation – Valencia Road Valve and Meter Adjustments** – Pima County's roadway contractor continued construction of the RTA roadway improvements. Per discussions with Pima County, all work authorized by the IGA executed in December 2017 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 in early April 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.

**E&T 22 Well Replacement** – The District’s consultant finalized the legal descriptions for the proposed land swap and is continuing design of the initial site improvements. Staff are currently verifying setbacks from neighboring septic systems for compliance with ADEQ’s setback requirements. Staff have suspended drafting specifications for well drilling, installation, and testing due to work associated with ADOT improvements on Oracle Road 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 have completed review of the draft alignment.

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