

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

May 11, 2020

Monthly Status of the District – April 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.

April 2020 Report

Water Usage/Quality

Amount of Water Consumed in Metro Main

FY 2020 Year to Date – 1,793,190,000 gallons

FY 2019 Year to Date – 1,694,936,000 gallons

Amount of Water Consumed in Metro Hub

FY 2020 Year to Date – 208,996,200 gallons

FY 2019 Year to Date – 200,588,500 gallons

Amount of Water Consumed in Metro Southwest

FY 2020 Year to Date – 129,658,400 gallons

FY 2019 Year to Date – 115,634,700 gallons

Revenue Metered Sales Billed in April 2020 – Grand Total \$1,389,101.14

Metro Main – \$1,170,751.20

Metro Hub – \$121,580.26

Metro Southwest – \$96,769.68

Prior Year Revenue Metered Sales Billed in April 2019 – Grand Total \$1,313,293.29

Metro Main – \$1,102,630.04

Metro Hub – \$126,888.02

Metro Southwest – \$83,775.23

Water Quality Samples

82 Microbiological samples taken from the distribution system.

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

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

System Maintenance

Noteworthy Maintenance Projects and Major Repairs in April 2020:

1. Completed Lattimore disconnect installation.
2. Replaced steel manifold on school service with copper.
3. Painted the hydro tank and piping at the Hub Reservoir.
4. Replaced broken valve on Mystic Mountain Drive.
5. Replaced galvanized service on Old Vail in the E&T service area.

Valves Exercised – 100 – Metro Main; 3 – Metro Hub

Meter Replacements – 25 – 5/8” meters; 1 – 3/4” meters

Meters Tested – 0

ERTs Replaced – 0

New Meter Applications – 31 total

Metro Main – 18

Metro Hub – 0

Metro Southwest – 13

Customer Accounts

Total Customers Billed – 21,323

New Accounts – 241

Delinquent Accounts – April 2020

Initial Shut Off Notices – 913

Final Shut Offs – COVID-19 – No Final Shut Offs

High Consumption Contacts – 119

Service Orders & Work Orders On's and Off Order Requests – Total performed: 206

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

Metro Main – 32

Metro Hub – 3

Metro Southwest – 0

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

Metro Main – 0

Metro Hub – 0

Metro Southwest – 0

Meter On's and Off Order Requests

Metro Main – 147

Metro Hub – 6

Metro Southwest – 18

Water Sustainability Projects

2020 CAP Storage –The District’s CAP order of 9,960 acre-feet (AF) will be delivered to groundwater savings facilities (GSF) partners. As of the end of March, a total of 424 AF has been delivered to our GSF partners. There has been a total of 1,971 AF of Phoenix’s CAP water stored at AVRVP as of the end of March.

South Shannon Treatment System Reimbursements – Since 2000, \$1,281,921.52 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 has been submitted for payment.

ADEQ has published their Proposed Remedial Action Plan for the Shannon Road/El Camino del Cerro WQARF site. Comments are due June 22, 2020. On April 22, 2020 the District submitted a letter to ADEQ discussing an increasing trend in 1-4,Dioxane concentration in the Deconcini Well and a monitor well north of the South Shannon Well. The District expressed concern about the effectiveness of contaminant containment provided by the South Shannon Treatment system while trying to maintain a blended supply in the Deconcini Reservoir that is below the 0.35 ug/L Health Advisory Level.

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 CAGRD.

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 design of 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. An invoice related to the value of vegetation to be cleared adjacent to AVRW-02 is still pending from the Arizona State Land Department.

Staff continued coordination with BKW regarding the draft access agreement.

The bid notice for the recovery well drilling, installation, and testing was published. Bids close May 18, 2020. Staff anticipate coming to the Board for the drilling contract at the regular June meeting. Staff drafted a Memorandum of Agreement for water quality testing of the recovery wells to be considered by the Partners at their next meeting.

The contract for the final design of the transmission main and forebay facility was finalized. A kick-off meeting was held on April 29, 2020 with the District's consultant and the NWRRDS Partners.

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

Activities related to the transmission main between Blue Bonnet and the Herb Johnson reservoir prepared by District staff are ongoing. A scope of services to provide a cost estimate and hydraulic analysis is being developed. The District's Miscellaneous Design Services consultant continued 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. The contractor completed some of the adjustments to District infrastructure. 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 – Final plans were completed in April and staff are preparing the bid documents. It is anticipated that the Board will be asked to consider the construction contract at the July meeting. 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 is continuing design of the initial site improvements with input from staff regarding well drilling activities and ADEQ setback requirements.

Diablo Village Service Line Replacement – Staff completed an initial review of the preliminary design.

Pantano Road Transmission Main – The District’s design consultant continued design activities and is on track to complete the design by the end of the current fiscal year.

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