

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

September 9, 2019

Monthly Status of the District – August 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.

August 2019 Report

Water Usage/Quality

Amount of Water Consumed in Metro Main

FY 2020 Year to Date – 452,182,900 gallons

FY 2019 Year to Date – 425,957,900 gallons

Amount of Water Consumed in Metro Hub

FY 2020 Year to Date – 58,804,200 gallons

FY 2019 Year to Date – 56,110,600 gallons

Amount of Water Consumed in Metro Southwest

FY 2020 Year to Date – 29,450,200 gallons

FY 2019 Year to Date – 27,231,000 gallons

Revenue Metered Sales Billed in August 2019 – Grand Total \$1,838,208.21

Metro Main – \$1,566,554.66

Metro Hub – \$163,331.81

Metro Southwest – \$108,321.74

Prior Year Revenue Metered Sales Billed in August 2018 – Grand Total \$1,678,503.91

Metro Main – \$1,433,376.30

Metro Hub – \$152,549.35

Metro Southwest – \$92,578.26

Water Quality Samples

85 Microbiological samples taken from the distribution system.

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

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

System Maintenance

Noteworthy Maintenance Projects and Major Repairs in August 2019:

1. Marlene well pulled for maintenance.
2. Southwest meter replacements continue in the Diablo Service area.
3. Motor rewind for Deconcini Booster #2.
4. Replaced poly service line on Chapala
5. Valve accator at Meredith repaired under warranty and put back in service.

Valves Exercised –0 (valve machine down for repair)

Meter Replacements – 15 – 5/8” meters; 22 – 1” meters; 1 – 1.5” meter; 15 – 2” meters

New Meter Applications – 42 total

 Metro Main – 31

 Metro Hub – 2

 Metro Southwest – 9

Customer Accounts

Total Customers Billed – 21,017

New Accounts – 271

Delinquent Accounts – August 2019

 Initial Shut Off Notices – 1,160

 Final Shut Offs – 73

High Consumption Contacts – 179

Service Orders & Work Orders – Total performed: 83

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

 Metro Main – 25

 Metro Hub – 11

 Metro Southwest – 26

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

 Metro Main – 21

 Metro Hub – 0

 Metro Southwest – 0

Meter On's and Off Order Requests – August 2019

 Metro Main – 254

 Metro Hub – 1

 Metro Southwest – 4

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. As of July 31, 2019, a total of 763 AF of the District’s water remains to be delivered to AVRP through the balance of the calendar year. A total of 6,984 AF of the District’s water order has been delivered to Groundwater Savings Facility partners with 2,416 AF remaining for the calendar year.

South Shannon Treatment System Reimbursements – Since 2000, \$1,233,712.44 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. An invoice for August 2019 will be submitted in mid-September

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. Design work for the civil engineering improvements planned for the AVRP facility have been completed. 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.

Capital Improvement Program & Other Major Projects

Northwest Recharge, Recovery, and Delivery System (NWRDSD) – 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 and District staff are preparing for mediation, which is scheduled for September 23, 2019.

Work associated with Package 1A: Clearing, Grubbing and Fence Installation is substantially complete. Staff is preparing a draft access easement for BKW to utilize the District’s access road, which will be presented to the Board for consideration at a future meeting.

Work associated with Package 1B: Exploratory Well Drilling is on-going. Well AVEX-01 is constructed and developed by mechanical and pumping means. Well AVEX-03 has been constructed and is undergoing mechanical development. Pumping tests and water quality sampling for both wells is expected to be complete by the end of September.

District staff prepared and received approval of the Arizona Pollutant Discharge Elimination System (AZPDES) De Minimis General Permit for discharges to waters of the United States resulting from various NWRDSD construction and operating activities.

Various Technical Memoranda related to the preliminary design of the transmission main are being finalized. Partner comments regarding the design plans are being incorporated by the District's consultant. District staff is preparing documents and a proposed evaluation matrix for solicitation of design consultants for the final design of the Transmission Main. Solicitation documents and the evaluation matrix will be presented to the project Partners for input.

Partner comments regarding the preliminary design of the Forebay and the conceptual layout of Partner booster facilities are being incorporated by the District's consultant.

A Technical Group meeting was held on August 20, 2019 and the next meeting will be on September 17, 2019. A meeting with the NWRDRS Partners was not held in August. The next meeting with the Partners is scheduled for September 12, 2019.

Metro Main Recharge Recovery Transmission Main – Staff continued coordination with the District's consultant for the final record of survey along with the topographic and culture surveys. Staff is continuing design work on the transmission main between the Forebay reservoir and the Herb Johnson reservoir.

Staff are exploring alternatives for coordinated construction of a portion of the District's transmission main that parallels proposed pipelines by the Town of Marana and the Town of Oro Valley, roughly between the Forebay and Blue Bonnet Road.

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

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

ADOT Oracle Road Pavement / Drainage Upgrades – The Arizona Department of Transportation is continuing design of its pavement and drainage upgrades, which will impact District facilities in the vicinity of Oracle Road between Orange Grove Road and Ina Road. Staff requested a proposal for design utilizing the City of Tucson Job Order Contract, which will be considered at the Board's September 9, 2019 meeting. Construction of the roadway improvements are anticipated to begin in the Fall of 2020. Design services must be completed in Fiscal Year 2020 to allow for bidding and award of a construction contract by July 2020.

2nd Herb Johnson Reservoir – Staff and the District’s consultant continued coordination with Pima County regarding environmental mitigation.

Old Nogales Highway Mainline Replacement – The contractor intends to start work September 17, 2019. Staff is coordinating with the contractor regarding the preconstruction meeting.

E&T 22 Well Replacement – Staff solicited a proposal from the District’s as-needed design consultant for survey, site design, and well-equipping. The proposal will be considered by the Board at its September 9, 2019 meeting. Staff is continuing coordination with the District’s as needed property acquisition consultant regarding a potential swap of District property for the existing District easement.

Diablo Village Service Line Replacement – Staff is evaluating existing utility information in preparation for preliminary design.

Pantano Road Transmission Main – Staff is preparing a request for proposal which will be forwarded to 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 a future 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