

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

January 13, 2020

Monthly Status of the District – December 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.

December 2019 Report

Water Usage/Quality

Amount of Water Consumed in Metro Main

FY 2020 Year to Date – 1,203,183,200 gallons

FY 2019 Year to Date – 1,137,269,500 gallons

Amount of Water Consumed in Metro Hub

FY 2020 Year to Date – 143,138,400 gallons

FY 2019 Year to Date – 136,712,900 gallons

Amount of Water Consumed in Metro Southwest

FY 2020 Year to Date – 82,714,500 gallons

FY 2019 Year to Date – 73,187,600 gallons

Revenue Metered Sales Billed in December 2019 – Grand Total \$1,348,393.67

Metro Main – \$1,150,116.18

Metro Hub – \$103,848.12

Metro Southwest – \$94,429.37

Prior Year Revenue Metered Sales Billed in December 2018 – Grand Total \$1,319,069.99

Metro Main – \$1,138,152.51

Metro Hub – \$99,360.73

Metro Southwest – \$81,556.75

Water Quality Samples

82 Microbiological samples taken from the distribution system.

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

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

System Maintenance

Noteworthy Maintenance Projects and Major Repairs in December 2019:

1. Demolished storage tanks at Ina/La Canada and Rasmussen.
2. Installed larger horse power soft start at Diablo Village #2
3. Removed exposed abandoned 4" line at the wash crossing behind San Nicholas well site.
4. Installed new air charger on Hardy PSI tank.
5. Repaired 2" leak on main.

Valves Exercised – 23

Meter Replacements – 20 – 5/8" meters

Meters Tested – 0

ERTs Replaced – 0

New Meter Applications – 13 total

Metro Main – 10

Metro Hub – 0

Metro Southwest – 1

Customer Accounts

Total Customers Billed – 21,163

New Accounts – 266

Delinquent Accounts – December 2019

Initial Shut Off Notices – 1082

Final Shut Offs – 121

High Consumption Contacts – 78

Service Orders & Work Orders On's and Off Order Requests – Total performed: 397

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

Metro Main – 66

Metro Hub – 6

Metro Southwest – 7

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 – 290

Metro Hub – 11

Metro Southwest – 17

Water Sustainability Projects

2019 CAP Storage – All of the District’s deliveries to AVRVP, Southern Avra Valley Storage and Recovery Project (SAVSARP), and Groundwater Saving Facilities (GSF) were delivered as ordered in Calendar Year 2019. All of the City of Phoenix’s 3,500 acre-foot (AF) of water has been delivered to AVRVP. A sum of 2,003 AF, 457 AF, and 11,000 AF of the District’s CAP order were stored at AVRVP, SAVSARP, and partner GSFs, respectively totaling 13,460 AF.

South Shannon Treatment System Reimbursements – Since 2000, \$1,253,670.62 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 December 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. 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.

Designation of Assured Water Supply (DAWS) – District Staff had a pre-application meeting with ADWR on October 29, 2019. The meeting was to clarify parts of the application that will change regarding the sources of water available to fulfill 100-years of customer demands. During the pre-application meeting it became clear that a new analysis of Metro Main’s physically available groundwater was required. During the November 13, 2019 Board Meeting, the Board authorized the use of the on-call hydrology consultant to model and prepare a supporting report to meet this requirement. 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. D.

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 continued work to finalize the report regarding the evaluation of pumping test and water quality sampling results. Additional confirmation sampling is being completed for PFAS and 1,4-Dioxane and will be addressed in an addendum to the report. This report will be the basis for the design of the three production wells.

On October 10, 2019, ADWR issued a "Complete and Correct" letter for the recovery well permit application, noting the agency determined the application to be administratively complete and correct according to state statute. The public notice was published in the Arizona Daily Star on October 17 and 24, 2019. Based on discussion with ADWR, the permit is expected to be issued within the agency's regulatory review timeframe.

The solicitation for the final design of the forebay and the transmission main was advertised on December 23 and 30, 2019. Consultant responses are due January 17, 2020. The Board of Directors will be asked to consider the consultant selection, based on the recommendation from the Partners, at the February 10, 2020 meeting.

A Technical Group meeting was held on December 17, 2019.

Metro Main Recharge Recovery Transmission Main – Staff completed review of the revised scope of services for program support. The contract addendum and notice to proceed are planned for early January 2020. Staff is continuing design of the transmission main between the forebay reservoir 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 are participating in construction meetings and are working with the contractor to identify District facilities and resolving potential conflicts.

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. Staff are continuing to work with the contractor to identify District facilities and resolve potential conflicts.

ADOT Oracle Road Pavement / Drainage Upgrades – The District's design consultant is continuing with design of the waterline relocation plans. 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 – The land owner acknowledged receipt on November 25, 2019 and asked for more time to complete their review.

Old Nogales Highway Mainline Replacement – As of the end of December, the contractor has installed all of the new waterline along Old Nogales Highway. The contractor is proceeding with services and construction of waterlines within side streets. The mainline replacement project has an anticipated completion date of March 27, 2020.

E&T 22 Well Replacement – The District’s consultant updated the site layout based on feedback from the adjacent property owner and is continuing design efforts related to the initial site improvements and legal descriptions.

Diablo Village Service Line Replacement – Staff prepared base files to support the design, which is expected to begin in January.

Pantano Road Transmission Main – Staff issued the notice-to-proceed and the District’s as-needed design consultant began work on the design updates.

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