

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

January 14, 2019

Monthly Status of the District – December 2018

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 2018 Report

Water Usage/Quality

Amount of Water Consumed in Metro Main

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

FY 2018 Year to Date – 1,256,897,900 gallons

Amount of Water Consumed in Metro Hub

FY 2019 Year to Date – 136,712,200 gallons

FY 2018 Year to Date – 152,267,000 gallons

Amount of Water Consumed in Metro Southwest

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

FY 2018 Year to Date – 73,436,400 gallons

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

Prior Year Revenue Metered Sales Billed in December 2017 – Grand Total \$1,430,878.50

Metro Main – \$1,227,107.70

Metro Hub – \$124,595.93

Metro Southwest – \$79,174.87

Water Quality Samples

82 Microbiological samples taken from the distribution system.

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

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

System Maintenance

Noteworthy Maintenance Projects and Major Repairs in December 2018:

1. Serviced and repaired 30 District fire hydrants.
2. Replaced flow meters at Tucson National North and Escondido.
3. Pumping and static water level tested at District wells.
4. Mainline and service repair on Iberia.
5. Established SCADA communications in Diablo Village.

Valves Exercised – 11

Meter Replacements – 17 – 5/8” meters

Meters Tested – 0

ERTs Replaced – 0

New Meter Applications – 56 total

Metro Main – 39

Metro Hub – 0

Metro Southwest – 17

Customer Accounts

Total Customers Billed – 20,706

New Accounts – 216

Delinquent Accounts – December 2018

Initial Shut Off Notices – 1,083

Final Shut Offs – 129

High Consumption Contacts – 103

Service Orders & Work Orders – Total performed: 130

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

Metro Main – 55

Metro Hub – 9

Metro Southwest – 9

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

Metro Main – 38

Metro Hub – 7

Metro Southwest – 12

Water Sustainability Projects

2018 CAP Storage – All of the District’s and District partners’ CAP orders have been delivered.

South Shannon Treatment System Reimbursements – Since 2000, \$1,218,737.17 has been reimbursed from Arizona Department of Environmental Quality (ADEQ). For Fiscal Year 2019, ADEQ has a budget of \$55,888 for operations and sampling of the South Shannon Treatment System. In subsequent invoicing, O&M work performed on flex couplers associated with the GAC tanks will be included along with a 50/50 cost share for maintenance associated with the South Shannon well.

Avra Valley Recharge Project – Design work is scheduled in Fiscal Year 2019 for the civil engineering improvements planned for the AVRVP facility. Construction work on the facility’s improvements is anticipated to occur in either Fiscal Year 2020 or 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

RTA Waterline Relocation – La Cholla Blvd: Overton Road to Lambert Lane – Construction is approximately 75% complete. As of early December, the contractor has multiple crews on site. Work is expected to be complete by early February 2019.

Northwest Recharge, Recovery, and Delivery System (NWRD) – Easement acquisition is ongoing. The following summarizes the status of immediate possession as approved by the Board:

- APN 216-31-037D: the court granted judgement for the District to condemn the easement
- APN 216-31-0380: the property owner has signed the proposed resolution; judgement is anticipated in the near future
- APN 216-32-025A and 216-32-028A: legal counsel is continuing to negotiate an agreement of an alternate alignment of the easements

The District signed the lease amendment with the Arizona State Land Department (ASLD) and ASLD staff is preparing the final document for the Arizona State Land Commissioner’s signature.

HDR is continuing progress on package 1 (two exploratory boreholes) and package 4 (preliminary design of the transmission pipeline between the CAP canal and Spokane Avenue).

Hub Reservoir Expansion – The old tank was removed, the hydrotank was relocated, the new tank foundation was completed, and fabrication of the new tank commenced in early January. Work on the tank is expected to be complete in early April 2019, and all other site work is expected to be completed by late May 2019.

Old Nogales Highway Mainline Replacement – Bids were opened December 20, 2018.
Staff are evaluating the bids.

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