

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

January 8, 2018

Monthly Status of the District – December 2017

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 2017 Report

Water Usage/Quality

Amount of Water Consumed in Metro Main

FY 2018 Year to Date – 1,256,804,900 gallons

FY 2017 Year to Date – 1,161,034,300 gallons

Amount of Water Consumed in Metro Hub

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

FY 2017 Year to Date – 138,818,100 gallons

Amount of Water Consumed in Metro Southwest

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

FY 2017 Year to Date – 66,696,200 gallons

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

Revenue Metered Sales Billed in December 2016 – Grand Total \$ 1,323,105.05

Metro Main – \$ 1,144,760.11

Metro Hub – \$ 104,432.13

Metro Southwest – \$ 73,912.81

Water Quality Samples

82 Microbiological samples taken from the distribution system.

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

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

Status of Compliance with Regulatory Requirements

District is in compliance with its regulatory requirements.

System Maintenance

Noteworthy Maintenance Projects and Major Repairs in December 2017:

1. Relocated telemetry controls at Metro Hub.
2. Replaced impeller on Moore Booster #1.
3. Cleaned up and upgraded booster electrical parts at Oracle Jaynes.
4. Pothole for valves and drain valve in Diablo for Valencia Road work.
5. Repaired fire hydrants identified by Fire Jurisdictions.

Valves Exercised – 60

Meter Replacements – 38 – ¾” meters

Meters Tested – 4

ERTs Replaced – 0

New Meter Applications – 20 total

Metro Main – 17

Metro Hub – 0

Metro Southwest – 3

Customer Accounts

Total Customers Billed – 20,360

New Accounts – 181

Delinquent Accounts – December 2017

Initial Shut Off Notices – 1,264

Final Shut Offs – 107

High Consumption Contacts – 156

Service Orders & Work Orders – Total performed: 83

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

Metro Main – 18

Metro Hub – 8

Metro Southwest – 15

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

Metro Main – 24

Metro Hub – 6

Metro Southwest – 12

Water Sustainability Projects

2017 CAP Storage – Storage at Avra Valley Recharge Project (AVRP) as of December 31, 2017 was 2,955 AF for the District and 3,500 AF for the City of Phoenix. The District's GSF partners have stored 9,200 AF for the District, 1,000 AF at the Lower Santa Cruz Recharge Project, and 309 AF at the Southern Avra Valley Recharge and Recovery Project for Metro Southwest – Lazy B. All of the District's and City of Phoenix water was stored in 2017.

South Shannon Treatment System Reimbursements – Since 2000, \$1,120,779.24 has been reimbursed from Arizona Department of Environmental Quality (ADEQ). November 2017 reimbursements were submitted to ADEQ.

Avra Valley Recharge Project – Westland Resources has completed a land and aerial survey of the AVRP leased property that covered the entire facility. Preliminary grading cut/fill calculations are being performed for better construction cost estimates. These cost estimates for facility improvements will be part of a Capital Project Request for ranking and scheduling in the District's future year's capital program.

Work is proceeding as a part of the AVRP Underground Storage Facility Permit renewal. The permit application is due to ADWR by mid-March of 2018. Groundwater modeling is under review by District staff, as well as, review of the Hydrogeologic Report being prepared by Clear Creek and Associates.

Capital Improvement Program & Other Major Projects

Oracle Jaynes Replacement Well Equipping and Site Improvements – Installation of the mechanical and electrical components is complete. Startup and testing work is ongoing. Grading and fencing work is complete.

RTA Waterline Relocation – La Cholla Blvd: Overton Road to Lambert Lane – Staff is continuing the design work while coordinating with Pima County/Oro Valley and their design consultant. It is anticipated that right-of-way acquisition will be completed in late March 2018 and that construction will start shortly thereafter.

RTA Waterline Relocation – Valencia Road: Wade Road to Ajo Highway, Waterline Relocations – Construction started January 2, 2018.

Northwest Recharge, Recovery, and Delivery System (NWRDSD) Land Acquisitions Staff continues to pursue easements necessary for the pipeline route. Staff is coordinating with the Arizona State Land Department regarding revised wellsite legal descriptions.

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