

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

December 11, 2017

Monthly Status of the District – November 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.

November 2017 Report

Water Usage/Quality

Amount of Water Consumed in Metro Main

FY 2018 Year to Date – 1,072,353,800 gallons

FY 2017 Year to Date – 993,562,000 gallons

Amount of Water Consumed in Metro Hub

FY 2018 Year to Date – 131,819,000 gallons

FY 2017 Year to Date – 120,759,400 gallons

Amount of Water Consumed in Metro Southwest

FY 2018 Year to Date – 62,965,600 gallons

FY 2017 Year to Date – 56,930,600 gallons

Revenue Metered Sales Billed in November 2017 – Grand Total \$1,497,756.53

Metro Main – \$1,285,488.70

Metro Hub – \$129,347.28

Metro Southwest – \$82,920.55

Prior Year Revenue Metered Sales Billed in November 2016 – Grand Total \$ 1,380,886.22

Metro Main – \$1,175,389.25

Metro Hub – \$131,505.83

Metro Southwest – \$73,991.14

Water Quality Samples

82 Microbiological samples taken from the distribution system.

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

79 Lab/field test samples for VOCs, IOCs, 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 November 2017:

1. Replaced broken valve on Wheatfield Drive.
2. Pulled Metro Hub 2 well due to failure of motor.
3. Replaced poly service line in Metro Southwest.
4. Replaced security lights and general lighting at facilities.
5. Installed two new water services.

Valves Exercised – 40

Meter Replacements – 82 – 5/8” meters

Meters Tested – 6

ERTs Replaced – 0

New Meter Applications – 13 total

Metro Main – 5

Metro Hub – 0

Metro Southwest – 8

Customer Accounts

Total Customers Billed – 20,321

New Accounts – 186

Delinquent Accounts – November 2017

Initial Shut Off Notices – 1,578

Final Shut Offs – 104

High Consumption Contacts – 101

Service Orders & Work Orders – Total performed: 97

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

Metro Main – 33

Metro Hub – 8

Metro Southwest – 7

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

Metro Main – 35

Metro Hub – 8

Metro Southwest – 6

Water Sustainability Projects

2017 CAP Storage – Storage at Avra Valley Recharge Project (AVRP) as of November 30, 2017 was 2,656 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 9 AF at the Southern Avra Valley Recharge and Recovery Project for Metro Southwest – Lazy B. All of the City of Phoenix water has been stored. There is 595 AF remaining of the District's CAP order of 13,460 AF to be stored at various recharge locations in December 2017, 300 AF of which will be stored at the City of Tucson's SAVSARP facility to facilitate future wheeling agreements to Metro Southwest.

South Shannon Treatment System Reimbursements – Since 2000, \$1,112,296.78 has been reimbursed from Arizona Department of Environmental Quality (ADEQ). September 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 calculations are being performed for better construction cost estimates. These cost estimates for facility improvements will be part of a Capital Project Request for prioritization 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 a review of the Hydrogeologic Report being prepared by Clear Creek and Associates.

The goal is to re-permit the existing facility for the current limit of 11,000 AF/year, and up to 15,000 AF/year with the addition of another recharge basin in the future. To reach 11,000 AF of recharge capacity, capital improvements to the basins and delivery infrastructure will be needed.

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 nearing completion.

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 – Staff is coordinating with contractor for expected construction start date in late December 2017.

Northwest Recharge, Recovery, and Delivery System (NWRDRS) Land Acquisitions
Staff continues to pursue easements necessary for the pipeline route. The Arizona State Land Department presented the project to their Business Review Team and the appraisal process is anticipated to begin in the near future.

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