

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

November 13, 2017

Monthly Status of the District – October 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.

October 2017 Report

Water Usage/Quality

Amount of Water Consumed in Metro Main

FY 2018 Year to Date – 877,767,500 gallons

FY 2017 Year to Date – 821,206,300 gallons

Amount of Water Consumed in Metro Hub

FY 2018 Year to Date – 108,902,600 gallons

FY 2017 Year to Date – 97,818,500 gallons

Amount of Water Consumed in Metro Southwest

FY 2018 Year to Date – 51,436,500 gallons

FY 2017 Year to Date – 47,128,800 gallons

Revenue Metered Sales Billed in October 2017 – Grand Total \$ 1,558,846.36

Metro Main – \$1,326,734.76

Metro Hub – \$150,682.24

Metro Southwest – \$81,429.36

Prior Year Revenue Metered Sales Billed in October 2016 – Grand Total \$ 1,407,748.58

Metro Main – \$1,218,401.72

Metro Hub – \$117,229.37

Metro Southwest – \$72,117.49

Water Quality Samples

82 Microbiological samples taken from the distribution system.

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

117 Lab/field test samples for VOCs, IOC's, IOC's/Metal, Nitrate, 1,4-Dioxane, Perfluorinated Chemicals, Hexavalent Chromium, Arsenic, and Radiochemicals.

Status of Compliance with Regulatory Requirements
District is in compliance with its regulatory requirements.

System Maintenance

Noteworthy Maintenance Projects and Major Repairs in October 2017:

1. Installed six new service lines at Metro Main.
2. Repaired two mainline leaks on Old Nogales Highway.
3. Pulled the Jensen well for maintenance.
4. Pulled the Tucson National West well for maintenance.
5. Repaired 2" service line on Lucero Drive.

Valves Exercised – 90

Meter Replacements – 69 – 5/8" meters

Meters Tested – 10

ERTs Replaced – 0

New Meter Applications – 16 total

Metro Main – 11

Metro Hub – 0

Metro Southwest – 5

Customer Accounts

Total Customers Billed – 20,394

New Accounts – 215

Delinquent Accounts – October 2017

Initial Shut Off Notices – 684

Final Shut Offs – 73

High Consumption Contacts – 152

Service Orders & Work Orders – Total performed: 134

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

Metro Main – 54

Metro Hub – 13

Metro Southwest – 9

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

Metro Main – 30

Metro Hub – 12

Metro Southwest – 16

Water Sustainability Projects

2017 CAP Storage – Storage at Avra Valley Recharge Project (AVRP) as of September 31, 2017 was 2,332 AF of the 3,450 AF for the District and 3,395 AF of the 3,500 AF for the City of Phoenix. A total of 1,223 AF remains to be recharged in 2017 at AVRP. For the months of August and September, the District accounted for all deliveries to AVRP as City of Phoenix recharge. This allowed all of Phoenix’s water to be stored prior to the CAP shutdown on October 19, 2017. Some of the District’s scheduled delivery to AVRP for the rest of the year will be available to BKW Farm’s groundwater savings facility (GSF). As of October 19, 2017, up to 893 AF of the District’s scheduled AVRP deliveries are available to BKW Farms to finish their growing season.

The District’s GSF partners have stored 9,001 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. As of October 19th, 893 AF of The District’s allocation is remaining to be recharged at BKW Farms and AVRP.

South Shannon Treatment System Reimbursements – Since 2000, \$1,108,906.20 has been reimbursed from Arizona Department of Environmental Quality (ADEQ). September 2017 reimbursements were submitted to ADEQ.

Avra Valley Recharge Project – Westland Resources is conducting a land and aerial survey of the AVRP leased property that will cover the entire facility and include some preliminary grading cut/fill calculation for better construction cost estimates. These cost estimates for facility improvements will be part of several Capital Project Requests 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. 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 has started and is expected to be completed by November 2017.

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 March 2018.

RTA Waterline Relocation – Valencia Road: Wade Road to Ajo Highway, Waterline Relocations – Bids were opened on Wednesday, November 1, 2017. Staff will present documents to the Board of Directors for consideration of contract award at the November 13, 2017 meeting.

Northwest Recharge, Recovery, and Delivery System (NWRD) Land Acquisitions Staff continues to pursue easements necessary for the pipeline route. The Arizona State Land Department is continuing its review of the amendment application and staff is responding to questions as they arise. Staff is evaluating waterline route alternatives along a portion of the route. This work is necessary due to constraints related to the installation of utilities on certain Pima County properties, revisions to certain private development, and proposed improvements related to I-10 at the Avra Valley traffic interchange.

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