

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

September 11, 2017

Monthly Status of the District – August 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.

August 2017 Report

Water Usage/Quality

Amount of Water Consumed in Metro Main

FY 2018 Year to Date – 442,283,200 gallons

FY 2017 Year to Date – 429,465,500 gallons

Amount of Water Consumed in Metro Hub

FY 2018 Year to Date – 54,818,400 gallons

FY 2017 Year to Date – 56,796,800 gallons

Amount of Water Consumed in Metro Southwest

FY 2018 Year to Date – 26,020,000 gallons

FY 2017 Year to Date – 24,284,300 gallons

Revenue Metered Sales Billed in August 2017 – Grand Total \$1,484,859.37

Metro Main – \$1,259,506.11

Metro Hub – \$145,187.38

Metro Southwest – \$80,165.88

Prior Year Revenue Metered Sales Billed in August 2016 – Grand Total \$1,573,264.59

Metro Main – \$1,345,977.85

Metro Hub – \$141,246.07

Metro Southwest – \$86,040.67

Water Quality Samples

82 Microbiological samples taken from the distribution system.

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

106 Lab/field test samples for VOCs, IOCs, metals, copper/lead, Nitrate, 1,4-Dioxane, Perfluorinated Chemicals, Hexavalent Chromium, Arsenic, Asbestos, Radiochemicals, Fluoride, and SOCs.

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

System Maintenance

Noteworthy Maintenance Projects and Major Repairs in August 2017:

1. Replaced two hydrants and one DVA hit by vehicles.
2. Repaired 4" main leak on Old Nogales Highway.
3. Pulled E&T 22 well due to loss of GPM.
4. Replaced booster at Diablo Village No. 2.
5. Installed service line for eyewash station at Meredith.

Valves Exercised – 63

Meter Replacements – 37 – 1" meters; 9 – 1½" meters; 7 – 2" meters

Meters Tested – 0

ERTs Replaced – 0

New Meter Applications – 10 total

Metro Main – 10

Metro Hub – 0

Metro Southwest – 0

Customer Accounts

Total Customers Billed – 20,316

New Accounts – 229

Delinquent Accounts – August 2017

Initial Shut Off Notices – 1505

Final Shut Offs – 105

High Consumption Contacts – 96

Service Orders & Work Orders – Total performed: 167

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

Metro Main – 96

Metro Hub – 0

Metro Southwest – 17

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

Metro Main – 29

Metro Hub – 16

Metro Southwest – 9

Water Sustainability Projects

2017 CAP Storage – Storage at AVRVP as of July 31, 2017 was 2,332 AF of the 3,450 AF for the District and 2,240 AF of the 3,500 AF for the City of Phoenix. A total of 2,378 AF remains to be recharged in 2017 at AVRVP. The District’s GSF partners have stored 8,801 AF for the District, 1,000 AF has been stored at the Lower Santa Cruz Recharge Project, and 9 AF at the Southern Avra Valley Recharge and Recovery Project for Metro Southwest – Lazy B. A total of 12,142 AF of 2017’s CAP order has been recharged with 1,318 AF remaining for the year.

South Shannon Treatment System Reimbursements – Since 2000, \$1,099,956.20 has been reimbursed from Arizona Department of Environmental Quality (ADEQ). July 2017 reimbursements were submitted to ADEQ.

Capital Improvement Program & Other Major Projects

Oracle Jaynes Replacement Well Equipping and Site Improvements – Installation of the mechanical and electrical components is ongoing, and is scheduled to be completed by October 2017. Staff has solicited cost proposals from job order contracts (JOC) contractors for the site grading and fencing improvements, and staff will be seeking approval of the selected JOC at the September 2017 Board Meeting. Work on grading and fencing will commence after the mechanical and electrical work is completed.

RTA Waterline Relocation – La Cholla Blvd: Overton Road to Lambert Lane – Staff is continuing their 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 – Staff is continuing design work while coordinating with Pima County and their design consultant. Staff is coordinating the final water relocation design with Pima County.

Northwest Recharge, Recovery, and Delivery System (NWRDRS) Land Acquisitions Staff continues to pursue easements necessary for the pipeline route. Staff met with the Arizona State Land Department on August 22, 2017 and the amendment application was received by the Department that same day. The project Partners recently executed a memorandum of agreement to share costs associated with District staff performing an evaluation of 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 and revisions to certain private development and proposed improvements related to I-10 at the Avra Valley traffic interchange.

IOC and SOC Waivers for Metro Main – Metro Main currently has waivers for Inorganic Chemical (IOC) and Synthetic Organic Chemical (SOC) sampling. IOC waivers are completed every nine years and SOC waivers are completed every three years. Both are due in 2017. The District’s consultant has completed the draft waivers, which are being reviewed by staff.

Avra Valley Recharge Project – Survey work will be started in FY 2018 at the Avra Valley Recharge Project to facilitate design of facility upgrades. Additional surveying and design work is being considered for FY 2019 budget. The conceptual design is to convert the existing four recharge basins into two basins expanding the overall acres of basins. New delivery piping with control valves and magmeters will eliminate the weir structures which will facilitate delivery of more water and be controllable at the District office.

Groundwater flow modeling by Clear Creek Associates 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.

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