

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

June 10, 2019

Monthly Status of the District – May 2019

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.

May 2019 Report

Water Usage/Quality

Amount of Water Consumed in Metro Main

FY 2019 Year to Date – 1,885,742,700 gallons

FY 2018 Year to Date – 2,089,103,600 gallons

Amount of Water Consumed in Metro Hub

FY 2019 Year to Date – 223,153,800 gallons

FY 2018 Year to Date – 252,581,700 gallons

Amount of Water Consumed in Metro Southwest

FY 2019 Year to Date – 127,785,100 gallons

FY 2018 Year to Date – 139,197,100 gallons

Revenue Metered Sales Billed in May 2019 – Grand Total \$1,534,442.73

Metro Main – \$1,311,085.59

Metro Hub – \$133,031.41

Metro Southwest – \$90,325.73

Prior Year Revenue Metered Sales Billed in May 2018– Grand Total \$1,513,878.37

Metro Main – \$1,270,233.26

Metro Hub – \$144,340.12

Metro Southwest – \$99,304.99

Water Quality Samples

102 Microbiological samples taken from the distribution system.

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

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

System Maintenance

Noteworthy Maintenance Projects and Major Repairs in May 2019:

1. Completed GAC change out on vessel 1 at Shannon.
2. Pulled Riverside well for maintenance and loss of production.
3. Sent 80 cubic feet of Arsenic treatment media for regeneration from Hub 3.
4. Repaired fireline valve at Foothills Mall.
5. Replaced failed service line saddle on Redshank in Diablo Village.

Valves Exercised – 0

Meter Replacements – 33 – 5/8” meters; 3 – 3/4” meters

Meters Tested – 0

ERTs Replaced – 0

New Meter Applications – 31 total

Metro Main – 27

Metro Hub – 0

Metro Southwest – 4

Customer Accounts

Total Customers Billed – 20,904

New Accounts – 292

Delinquent Accounts – May 2019

Initial Shut Off Notices – 1,264

Final Shut Offs – 93

High Consumption Contacts – 131

Service Orders & Work Orders – Total performed: 102

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

Metro Main – 61

Metro Hub – 6

Metro Southwest – 9

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

Metro Main – 21

Metro Hub – 2

Metro Southwest – 3

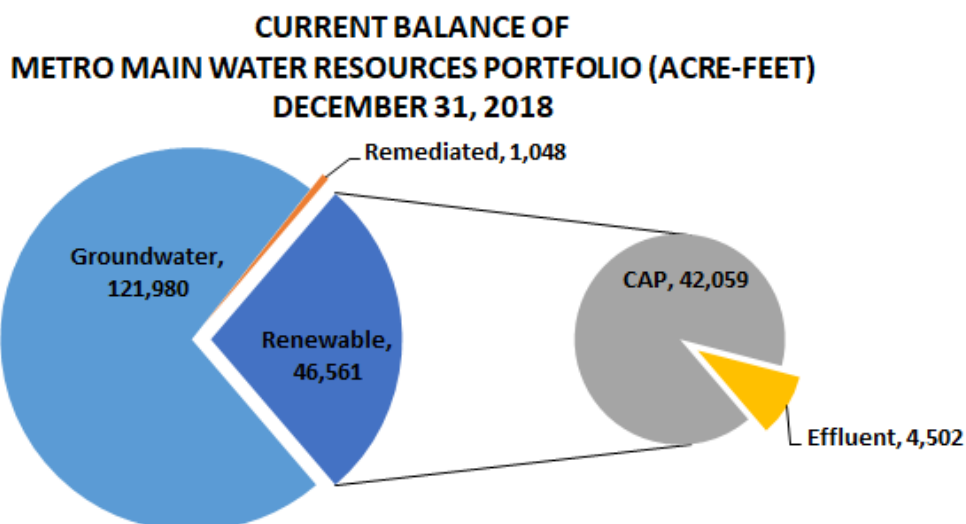
Water Sustainability Projects

2019 CAP Storage – Deliveries of City of Phoenix water started on January 1, 2019. As of May a total of 3,233 acre-feet (AF) of water has been delivered to AVRP. In July, the District’s water will be delivered for the balance of the calendar year. A total of 1,515 AF of the District’s water order has been delivered to our groundwater savings facility partners.

South Shannon Treatment System Reimbursements – Since 2000, \$1,224,408.42 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. With the South Shannon well down for maintenance, the District has only consumed 50% of ADEQ’s budget. An invoice for the month of April has been submitted for reimbursement.

Avra Valley Recharge Project – A technical design report and a description of the work to be performed on the AVRP facility is being prepared by Staff for submittal to ADWR for a Director’s modification to the current permit. Design work is continuing for the civil engineering improvements planned for the AVRP facility. Construction work on the facility’s improvements is anticipated to occur in Fiscal Year 2020 between January and June of 2020. These improvements, when completed, are projected to bring the operational recharge capacity up to or near the 11,000 AF permit capacity.

Water Resources Portfolio – Metro Main’s water portfolio increased by 4 percent as of December 31, 2018. All categories of water increased with the exception of Remediated water, which is held constant at the capacity of the South Shannon treatment system. The District’s portfolio increased by 6,421 AF of CAP long term storage (LTS) credits, 264 AF of Recycled water LTS credits and a 274 AF increase in the allowable groundwater account.



The 2018 value of renewable supplies is ~\$9.5 million, which is an increase of approximately \$1 million from 2017.

Lost and unaccounted for water in Metro Main and Metro Hub in 2018 was 2% of produced water. Metro Southwest averaged 3.5 percent lost and unaccounted for water in calendar year 2018.

Capital Improvement Program & Other Major Projects

RTA Waterline Relocation – La Cholla Blvd: Overton Road to Lambert Lane – Project closeout with the contractor is complete.

The Town of Oro Valley’s roadway contractor is proceeding with adjustments and the removal of waterlines necessitated by the RTA roadway improvement as authorized by the Intergovernmental Agreement executed in April 2019. These efforts will continue into Fiscal Year 2020.

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

- APN 216-31-0380: The final order of condemnation has been received from the court and this case is concluded.
- APN 216-32-025A and 216-32-028A: Legal counsel is continuing to prepare the case for hearing, which is anticipated later in 2019.

Requests for quotes for exploration well drilling, as well as clearing and grubbing activities related to the access road, were submitted to Job Order contractors using the District’s cooperative purchasing agreement with the City of Tucson. The field work for the native plant inventory and assessment within District property east of the Marana Regional Airport (airport access) was completed.. Meetings with the NWRDS Partners were held on May 9 and May 29, 2019. A technical team meeting was held May 21, 2019.

Hub Reservoir Expansion – Construction and commissioning of the new tank is complete; electrical installation and final site work is ongoing. All other site work is expected to be completed by mid-June 2019.

Old Nogales Highway Mainline Replacement – Staff continued coordination with Pima County regarding execution strategies. Review of contractor submittals and coordination with the apparent low-bidder regarding related modifications to the plans continued.

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