

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

March 11, 2019

Monthly Status of the District – February 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.

February 2019 Report

Water Usage/Quality

Amount of Water Consumed in Metro Main

FY 2019 Year to Date – 1,268,427,500 gallons

FY 2018 Year to Date – 1,413,337,600 gallons

Amount of Water Consumed in Metro Hub

FY 2019 Year to Date – 151,984,400 gallons

FY 2018 Year to Date – 170,416,400 gallons

Amount of Water Consumed in Metro Southwest

FY 2019 Year to Date – 83,488,500 gallons

FY 2018 Year to Date – 84,043,800 gallons

Revenue Metered Sales Billed in February 2019 – Grand Total \$1,271,567.86

Metro Main – \$1,099,029.01

Metro Hub – \$89,793.61

Metro Southwest – \$82,745.24

Prior Year Revenue Metered Sales Billed in February 2018 – Grand Total \$1,276,508.73

Metro Main – \$1,090,418.86

Metro Hub – \$102,084.52

Metro Southwest – \$84,005.35

Water Quality Samples

82 Microbiological samples taken from the distribution system.

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

74 Lab/field test samples for VOCs, IOCs, Metals, SOC's, DBPs, Nitrate, 1,4-Dioxane, Perfluorinated Chemicals, Hexavalent Chromium, Radiochemicals, and Arsenic.

System Maintenance

Noteworthy Maintenance Projects and Major Repairs in February 2019:

1. Pulled E&T 23 for well maintenance.
2. Repaired water mains at 7235 N. San Anna Drive and 3120 W. Lobo Road.
3. Pulled Deconcini booster 2 for repairs.
4. Replaced corroded nipple on pressure tank at Wanda.
5. Replaced leaking four inch valve on pressure relief at Hub #4.

Valves Exercised – 17

Meter Replacements – 64 – 5/8” meters

Meters Tested – 0

ERTs Replaced – 0

New Meter Applications – 32 total

Metro Main – 24

Metro Hub – 0

Metro Southwest – 8

Customer Accounts

Total Customers Billed – 20,760

New Accounts – 179

Delinquent Accounts – February 2019

Initial Shut Off Notices – 1,073

Final Shut Offs – 111

High Consumption Contacts – 80

Service Orders & Work Orders – Total performed: 126

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

Metro Main – 71

Metro Hub – 4

Metro Southwest – 8

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

Metro Main – 36

Metro Hub – 0

Metro Southwest – 7

Water Sustainability Projects

2019 CAP Storage – Deliveries of City of Phoenix water started on January 1, 2019. All of Phoenix’s 3,500 acre-feet of water will be delivered between January and June 2019. As of February, a total of 1,343 acre-feet of water has been delivered to AVRP. In July, the District’s water will be delivered for the balance of the calendar year.

South Shannon Treatment System Reimbursements – Since 2000, \$1,219,791.73 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. In February invoicing, the South Shannon well rehabilitation costs were invoiced as a separate task. These costs totaled \$46,789.87. Under an agreement, ADEQ will reimburse the District for half of these costs totaling \$23,394.94. Invoices for February have been submitted to ADEQ for payment.

Avra Valley Recharge Project (AVRP) – The District has started discussions with ADWR regarding upgrades to recharge basin reconfiguration and metering equipment needed for more accurate water quantity measurements at the AVRP facility. Preliminary discussions suggest that the application for these upgrades will be considered by ADWR as a Director’s Modification. This only requires descriptions of the work to be performed on the facility, and will not need a full application process or fees. Design work is scheduled in Fiscal Years 2019 and 2020 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. These improvements, when completed, are projected to bring the operational recharge capacity up to or near the 11,000 AF permit capacity.

Service Area’s Water Level Changes – On average for each service area, the groundwater level changes between 2017 and 2018 were:

Metro Main	-0.4 feet of change
Metro Hub	-2.8 feet of change
Metro Southwest Diablo Village	+6.5 feet of change
Metro Southwest E&T	-1.5 feet of change

The 5-year average changes for both Metro Main’s four wellfield areas and for Diablo Village are within ADWR’s less than 4 foot decline criteria for recovery well use.

Capital Improvement Program & Other Major Projects

RTA Waterline Relocation – La Cholla Blvd: Overton Road to Lambert Lane – The contractor is completing minor punchlist items and final completion is anticipated in early March.

Staff continued working with Oro Valley regarding a draft intergovernmental agreement (IGA) allowing for future adjustments and removal of waterlines by its roadway contractor

as necessitated by the RTA roadway improvement. The Board of Directors will be requested to consider the IGA at its March meeting.

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

- APN 216-31-037D: The court has entered the final order of condemnation. This concludes the case, and the District now has title to the easement.
- APN 216-31-0380: Legal counsel is continuing to work with the property owner to finalize the easement acquisition.
- APN 216-32-025A and 216-32-028A: Legal counsel is continuing to prepare the case for hearing, which is anticipated later in 2019.

HDR is preparing draft agreements, specifications, and plans for exploration well drilling, as well as clearing and grubbing activities related to the access road. A memorandum of agreement for a native plant inventory and assessment pertaining to exploratory well sites was executed by the partners. Meetings were held with all partners regarding operations and controls as well as water quality testing parameters. An update with the project partners was held on February 14, 2019. The draft record of survey was submitted and is under review.

HDR and staff finalized the scope of services for the District's recovery system. This portion of the work includes the District's booster, recovery pipeline and related program support. The Board of Directors authorized the General Manager to negotiate and execute the related agreement at its April 9, 2018 meeting. Final execution of the agreement is anticipated in the near future.

Hub Reservoir Expansion – Painting of the new tank is continuing. Work on the tank is expected to be completed in early April 2019, and all other site work is expected to be completed by late May 2019.

Old Nogales Highway Mainline Replacement – Staff continued coordination with Pima County regarding execution strategies.

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