

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

**February 11, 2019**

**Monthly Status of the District – January 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.

**January 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 January 2019 – Grand Total \$1,198,750.51

Metro Main – \$1,021,865.01

Metro Hub – \$94,986.83

Metro Southwest – \$81,898.67

Prior Year Revenue Metered Sales Billed in January 2018 – Grand Total \$1,282,335.41

Metro Main – \$1,098,789.04

Metro Hub – \$104,649.32

Metro Southwest – \$78,897.05

Water Quality Samples

82 Microbiological samples taken from the distribution system.

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

48 Lab/field test samples for VOCs, IOCs, Nitrate, 1,4-Dioxane, Perfluorinated Chemicals, and Arsenic.

## **System Maintenance**

Noteworthy Maintenance Projects and Major Repairs in January 2019:

1. Giaconda / Via Assisi mainline repair.
2. Pulled NERBS booster #2 due to failure.
3. Modifications to E&T 22 10,000 gallon tank
4. Additional security upgrades in the Metro Hub area
5. Replaced block heater on Herb Johnson gas engine.

Valves Exercised – 0

Meter Replacements – 76 – 5/8” meters

Meters Tested – 0

ERTs Replaced – 0

New Meter Applications – 17 total

Metro Main – 11

Metro Hub – 0

Metro Southwest – 6

## **Customer Accounts**

Total Customers Billed – 20,728

New Accounts – 207

Delinquent Accounts – January 2019

Initial Shut Off Notices – 1,413

Final Shut Offs – 119

High Consumption Contacts – 71

Service Orders & Work Orders – Total performed: 165

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

Metro Main – 85

Metro Hub – 14

Metro Southwest – 15

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

Metro Main – 39

Metro Hub – 4

Metro Southwest – 8

## **Water Sustainability Projects**

**2019 CAP Storage** – Deliveries of City of Phoenix Inter-AMA firming water started on January 1, 2019. All of Phoenix’s 3,500 acre-feet of water will be delivered between January and June 2019. In July, the District’s water will be delivered for the balance of the calendar year.

**South Shannon Treatment System Reimbursements** – Since 2000, \$1,218,737.17 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 subsequent invoicing, O&M work performed on flex couplers associated with the GAC tanks will be included. Invoices for December have been submitted to ADEQ for payment.

**Avra Valley Recharge Project** – The District received the renewed underground storage facility/water storage permits on February 5, 2019. This renewal ensures the facility’s permitted recharge capacity is set at 11,000 acre-feet per year. The District will start discussions with ADWR regarding modifications to the metering equipment needed for more accurate water quantity measurements at the AVRFP facility. Design work is scheduled in Fiscal Year 2019 and 2020 for the civil engineering improvements planned for the AVRFP facility. Construction work on the facility’s improvements is anticipated to occur in Fiscal Year 2021. These improvements, when completed, are projected to bring the operational recharge capacity up to or near the 11,000 AF permit capacity.

## **Capital Improvement Program & Other Major Projects**

**RTA Waterline Relocation – La Cholla Blvd: Overton Road to Lambert Lane** – The contractor completed the majority of the waterline work and began pretesting the water infrastructure. Work is expected to be complete in February 2019.

Staff is reviewing the draft intergovernmental agreement (IGA) with Oro Valley allowing for future adjustments and removal of abandoned District waterlines by its roadway contractor as necessitated by the RTA roadway improvement. The Board of Directors will be requested to consider the IGA at a future meeting.

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

- APN 216-31-037D: the court granted judgement for the District to condemn the easement, and we are waiting for the property owner to pick up the payment so we can request a final order of condemnation.
- APN 216-31-0380: the District and property owner have asked that the court amend the judgment allowing the District to condemn the easement. Once the amended judgment is entered, the payment will be released to the property owner, and the District can obtain a final order of condemnation.
- APN 216-32-025A and 216-32-028A: legal counsel is continuing to negotiate an agreement of an alternate alignment of the easements, and the property owner is

required to answer the District's complaint by February 1, 2019. The remaining issue is the appropriate compensation for the easement.

The lease amendment with the Arizona State Land Department (ASLD) has been executed and recorded.

HDR is continuing progress on package 1 (two exploratory boreholes) and package 4 (preliminary design of the transmission pipeline between the CAP canal and Spokane Avenue). Coordination with stakeholders is ongoing. HDR provided updated cost estimates for each of the partners for fiscal year 2020 budgeting.

**Hub Reservoir Expansion** – Fabrication of the new tank is nearing completion. Painting is expected to begin in mid-February. 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 is coordinating with the apparent responsive and responsible contractor to hold bid prices 30 days beyond the required 75 days to allow final evaluation of an execution strategy.

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