

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

June 8, 2020

Monthly Status of the District – May 2020

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 2020 Report

Water Usage/Quality

Amount of Water Consumed in Metro Main

FY 2020 Year to Date – 1,996,987,100 gallons

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

Amount of Water Consumed in Metro Hub

FY 2020 Year to Date – 234,903,100 gallons

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

Amount of Water Consumed in Metro Southwest

FY 2020 Year to Date – 145,583,600 gallons

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

Revenue Metered Sales Billed in May 2020 – Grand Total \$1,658,055.63

Metro Main – \$1,396,827.92

Metro Hub – \$152,428.90

Metro Southwest – \$108,798.81

Prior Year 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

Water Quality Samples

82 Microbiological samples taken from the distribution system.

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

76 Lab/field test samples for VOCs, IOCs, DBPs, Nitrate, 1,4-Dioxane, Perfluorinated Chemicals, Hexavalent Chromium, and Arsenic.

System Maintenance

Noteworthy Maintenance Projects and Major Repairs in May 2020:

1. Pulled the Hardy well due to loss of production.
2. Replaced the supply pump at the Jim Tripp Reservoir.
3. Pulled media from Metro Hub 1A vessel for regeneration.
4. Replaced 23 feet of cracked A/C main at Metro Hub.
5. Replaced four galvanized steel services on Giaconda Way

Valves Exercised – 40

Meter Replacements – 51– 5/8” meters; 17 – 1” meters; 2 – 1½” meters; 2 – 2” meters

Meters Tested – 0

ERTs Replaced – 0

New Meter Applications – 36 total

Metro Main – 17

Metro Hub – 0

Metro Southwest – 19

Customer Accounts

Total Customers Billed – 21,318

New Accounts – 226

Delinquent Accounts – May 2020

Initial Shut Off Notices – 984

Final Shut Offs – COVID-19 – No Final Shut Offs

High Consumption Contacts – 204

Service Orders & Work Orders On's and Off Order Requests – Total performed: 431

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

Metro Main – 64

Metro Hub – 3

Metro Southwest – 25

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

Metro Main – 0

Metro Hub – 0

Metro Southwest – 0

Meter On's and Off Order Requests

Metro Main – 300

Metro Hub – 9

Metro Southwest – 30

Water Sustainability Projects

2020 CAP Storage – The District’s CAP order of 9,960 acre-feet (AF) will be delivered to groundwater savings facilities (GSF) by the end of the calendar year. As of the end of May, a total of 2,124 AF has been delivered to our GSF partners. There has been a total of 2,615 AF of Phoenix’s Inter-AMA Firming water stored at AVRP as of the end of May.

In May, the Arizona Water Banking Authority (Bank) requested storage at the AVRP facility. The District determined that 2,000 AF of capacity will be available through the balance of the calendar year. On May 27, 2020, the District sent a letter and revised delivery schedule to the Bank for it to submit to CAP for purchase and delivery of water to AVRP.

South Shannon Treatment System Reimbursements – Since 2000, \$1,286,231.66 has been reimbursed by the Arizona Department of Environmental Quality (ADEQ). For Fiscal Year 2020, ADEQ has a budget of \$57,719.00 for operations and sampling of the South Shannon Treatment System. The invoice for April has been submitted for payment.

ADEQ has published their Proposed Remedial Action Plan (PRAP) for the Shannon Road/El Camino del Cerro WQARF site. Comments are due June 22, 2020. On April 22, 2020 the District submitted a letter to ADEQ discussing an increasing trend in 1-4,dioxane concentration in the Deconcini Well and a monitor well north of the South Shannon Well. The District expressed concern about the effectiveness of contaminant containment provided by the South Shannon Treatment system while trying to maintain a blended supply in the Deconcini Reservoir that is below the 0.35 ug/L Health Advisory Level for 1-4,dioxane.

On June 9, 2020, District staff will attend a Community Advisory Board (CAB) meeting related to the PRAP. Topics for discussion will be the latest groundwater monitoring results, comments to date on the PRAP.

Avra Valley Recharge Project (AVRP) – District staff have submitted a report to the Arizona Department of Water Resources (ADWR) requesting a Director’s Modification to the current permit for new water measuring infrastructure. The new metering station and water delivery infrastructure will be constructed in Fiscal Year 2021 between January and June of 2021. The new metering station will eliminate ongoing discrepancies in the CAP billing meter and estimates of irrigation deliveries.

Designation of Assured Water Supply (DAWS) – District staff submitted an application to modify the District’s DAWS on May 18, 2020. The portfolio of water supplies that this modification will include are: allowable groundwater account (unchanged), remediated water (unchanged), CAP allocation (new), and CAP Long Term Storage Credits (new). This DAWS modification is the first step in the process to de-enroll Metro Main from the CAGRDR.

Capital Improvement Program & Other Major Projects

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 216-32-025A and 216-32-028A: Legal counsel is continuing to prepare for trial.

District staff finalized the contract documents and requested a contractor cost and schedule proposal for the “early out” task related to the Recovery Well equipping for irrigation ditch modifications, site clearing and gates for the AVRW-02 site. Staff prepared a memorandum of agreement for execution by the Partners. The Board will be requested to consider the item at the June 8, 2020 Board meeting.

Staff again reached out to the Arizona State Land Department regarding an invoice related to the value of vegetation to be cleared adjacent to AVRW-02. No response has been received.

BKW provided input for the draft access agreement. Staff will finalize the agreement for the General Manager to execute per the Board’s prior authorization.

Bids for the recovery well drilling, installation, and testing were received May 18, 2020 and evaluated by staff. Staff prepared a memorandum of agreement for execution by the Partners. The Board will be requested to consider this item at the June 8, 2020 Board Meeting.

The District’s consultant proceeded with work related to the final design of the transmission main and forebay facility. Initial tasks included field survey, geotechnical investigations, native plant inventories, and performing a technical review of the preliminary design. The consultant also prepared an access plan for work that will need to occur on easements outside of public right-of-way.

Staff solicited a proposal from the District’s as-needed consultant to provide staking of two private easements that are necessary for access to the forebay facility. Staff will review the proposal with the General Manager prior to authorizing work.

A site meeting was held with Trico on May 7, 2020 to discuss the preliminary design for electrical facilities related to the recovery wells and the forebay facility. District and Partner staff attended the meeting. Staff discussed potential rate structures with Trico for inclusion in the cost assumptions to be completed by the District’s final design consultant.

A Partner meeting was held on May 7, 2020. A Technical Group meeting was held on May 19, 2020.

A SCADA workshop was held on May 26, 2020 with the District’s consultant, staff, and members of the Partner utility teams. The District’s consultant is proceeding with finalizing the related preliminary design report. A coordination meeting was held June 1,

2020 to ensure the various SCADA design elements are coordinated between the District's Program Support consultant and the District's consultant for final design of the transmission main and forebay.

NWRRDS (Metro-only portion) – The District's consultant initiated field activities related to the booster station and the transmission main from the forebay to Blue Bonnet Road. A progress meeting was held with the consultant on May 21, 2020.

Activities related to the transmission main between Blue Bonnet Road and the Herb Johnson reservoir prepared by District staff are ongoing.

The District's consultant was given a notice to proceed on May 26, 2020 to provide a cost estimate and hydraulic analysis, which is expected to be completed by August 4, 2020. A kick-off meeting was held with the consultant on May 28, 2020.

The District's as-needed consultant completed work on the culture survey between Thornydale and Shannon Roads along with a cultural resources review and biological assessment. This allowed the design work to advance to approximately 75% level with final design to be completed in Fiscal Year 2021.

RTA Waterline Relocation – La Cholla Blvd: Overton Road to Lambert Lane – The Town of Oro Valley's roadway contractor continued construction of the RTA roadway improvements. Staff are coordinating with Oro Valley staff regarding invoicing and project completion as authorized by the Intergovernmental Agreement (IGA) executed in April 2019.

RTA Waterline Relocation – Valencia Road Valve and Meter Adjustments – Pima County's roadway contractor continued construction of the RTA roadway improvements. The contractor completed some of the adjustments to District infrastructure. Per discussions with Pima County, all work authorized by the IGA executed in December 2017 is anticipated to be complete in Fiscal Year 2020.

ADOT Oracle Road Pavement / Drainage Upgrades – Final plans were completed in April and staff prepared the bid documents. The bid notice was published in the Daily Territorial on May 27, 28 and June 3, 2020. Bids are due on June 24, 2020. It is anticipated that the Board will be asked to consider the construction contract at the July meeting. Construction of the roadway improvements are anticipated to begin shortly thereafter.

2nd Herb Johnson Reservoir – Coordination with the land owner is ongoing.

E&T 22 Well Replacement – Staff received and commented on the 30% site plans. The District's consultant is continuing design of the initial site improvements and has started the mechanical design elements. Design work is to be completed by June 30, 2020.

Diablo Village Service Line Replacement – Staff is addressing review comments and finalizing design and reference elements.

Pantano Road Transmission Main – The District's design consultant continued design activities. The 90% plans have been submitted and review by District staff is ongoing. Design work is to be completed by June 30, 2020.

Statements of Qualifications were received May 18, 2020 for the Miscellaneous Design and Miscellaneous Survey contracts. Staff completed their review and the Board will be requested to consider this item at the June Board Meeting.

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