

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

**December 5, 2016**

**Monthly Status of the District – November 2016**

**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.

**November 2016 Report**

**Water Usage/Quality**

Amount of Water Consumed in Metro Main

FY 2017 Year to Date – 993,562,000 gallons

FY 2016 Year to Date – 992,186,200 gallons

Amount of Water Consumed in Metro Hub

FY 2017 Year to Date – 120,759,400 gallons

FY 2016 Year to Date – 111,849,300 gallons

Amount of Water Consumed in Metro Southwest

FY 2017 Year to Date – 56,930,600 gallons

FY 2016 Year to Date – 54,727,000 gallons

Revenue Metered Sales Billed in November 2016 – Grand Total \$1,380,886.22

Metro Main – \$1,175,389.25

Metro Hub – \$131,505.83

Metro Southwest – \$73,991.14

Prior Year Revenue Metered Sales Billed in November 2015 – Grand Total \$1,205,658.88

Metro Main – \$1,041,666.88

Metro Hub – \$95,909.73

Metro Southwest – \$68,082.27

Water Quality Samples

83 Microbiological samples taken from the distribution system.

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

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

## Status of Compliance with Regulatory Requirements

District is in compliance with its regulatory requirements.

## **System Maintenance**

Noteworthy Maintenance Projects and Major Repairs in November 2016:

1. Replaced poly service line on Cresthill Drive in Metro Hub service area.
2. Replaced flow meter on E&T 22 well.
3. Replaced 4" valve and repaired 4 additional valve boxes in Meadowbrook.
4. Replaced transducer at AVRP on weir #3.
5. Repaired mainline break on Old Nogales Highway.

PRV Inspections – 84

Valves Exercised – 9

Meter Replacements – 0 - 5/8" meters, 0 - 1" meter

Meters Tested – 0

ERTs Replaced – 0

New Meter Applications – 8 total

Metro Main – 0

Metro Hub – 1

Metro Southwest – 7

## **Customer Accounts**

Total Customers Billed – 20,186

New Accounts – 209

Delinquent Accounts – November 2016

Initial Shut Off Notices – 764

Final Shut Offs – 99

High Consumption Contacts – 148

Service Orders & Work Orders – Total performed: 113

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

Metro Main – 53

Metro Hub – 8

Metro Southwest – 9

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

Metro Main – 28

Metro Hub – 7

Metro Southwest – 8

### **Water Sustainability Projects**

**2016 CAP Storage** – All of the scheduled 3,950 acre-feet (AF) was recharged for the District at Avra Valley Recharge Project (AVRP) as of November 30, 2016. Additionally, 720 AF of the 1,100 AF scheduled for storage by the Arizona Water Banking Authority and all of the 1,500 AF for the City of Phoenix has been stored. All of the 7,912 AF scheduled for storage at the District's groundwater savings facility (GSF) partners has been completed for 2016 as well as the 50 AF stored at City of Tucson's Southern Avra Valley Recharge and Recovery Project.

**South Shannon Treatment System Reimbursements** – Since 2000, \$1,079,700.02 has been reimbursed from Arizona Department of Environmental Quality (ADEQ). September reimbursements from ADEQ were \$3,867.00.

**South Shannon Water Quality Assurance Revolving Fund (WQARF) Site** – Staff met with ADEQ's consultant on October 26, 2016 for a presentation of groundwater cleanup options. Tucson Water also attended and after the presentation, 1,4-Dioxane was discussed. ADEQ agreed to meet again with both Metro Water and Tucson Water to more fully understand the extent of 1,4-Dioxane.

**Cortaro-Marana Irrigation District (CMID) Effluent Groundwater Savings Facility Project** – Advertisement for the construction of the project was completed with bids received on October 20, 2016. Pima County did not act on the approval of the IGA during their October 18, 2016 Board meeting and will reconsider the IGA during their December 7, 2016 meeting. Award of the construction contract will be contingent upon approval of the IGA by all parties.

**Oracle Jaynes Replacement Well** – Staff approved a scope of work from Clear Creek Associates for assisting with the drilling project. Water Sustainability staff is working on finalizing the technical specifications.

**CAP System Use Agreement** – CAP distributed a draft to interested parties on November 3, 2016 and a stakeholder meeting was held on November 22, 2016. District staff found the agreement complete in form and content. CAP and the Bureau of Reclamation clarified what criteria they will use to approve Inter-AMA Firming agreements, such as the District's IGA with the City of Phoenix.

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

**Casas Adobes Estates MLP (Nanini Drive, Casas Adobes Drive, and Andrea Doria Drive)** – Construction acceptance occurred on September 14, 2016 and project close-out continues.

#### **CAP Recharge, Recovery, and Delivery System (RRDS) Land Acquisitions**

- **Booster Station Property** – Closeout of the acquisition agreement occurred on June 30, 2016.

- Redpoint Development Easements – The Town of Marana, Redpoint Development and the District met regarding set back requirements along the future alignment of Lambert Lane and recent changes regarding the Redpoint proposed development. A follow-up meeting with the Town of Marana will be scheduled to discuss the changes. The Memorandum of Understanding (MOU) that was previously prepared and sent to Redpoint will be revised based on the outcome of the meetings with Redpoint and Marana.
- State Land Easements – The process to acquire easements and any necessary land from the Arizona State Land Department is expected to take approximately two years to finalize and has been initiated. With the relocation of the project wells to State lands, new cultural and environmental reports, and survey (legal descriptions) are required to submit to State Land. Tierra has commenced the required work.
- Town of Marana Easement – The easement legal description on the airport property is complete and the appraisal is pending completion. The easement will be submitted to the Town of Marana following acceptance of the appraisal results.
- Pima County Easements – Pipeline easements from parcels owned by Pima County are necessary for the project. District staff investigated a proposed realignment of Avra Valley Road near I-10 by ADOT and determined that the alignment crossing I-10 at Avra Valley Road is unfavorable due to future I-10 construction. Staff met with Pima County Flood Control and were advised that the use of the PCFCD levee property for the waterline was not acceptable.
- I-10 Avra Valley Mining Company – Negotiations are ongoing regarding the location of an easement across this parcel.
- Cal Portland Cement Company – Easement legal description and appraisals have been submitted.
- Residential Lot Easements – Approximately 30 pipeline easements are necessary from residential lots for the project. Easement legal descriptions are being finalized for the areas that the pipeline alignment is known. The market analysis for the easement valuations in this area has been completed. Tierra has begun submitting the easement requests to these properties and has initiated negotiations with the private property owners. Several easement acquisitions have been finalized. The District will not know the final pipeline alignment for the area between Blue Bonnet Road and Camino de Oeste until potential project partners' participation is known.

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