

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

**November 14, 2016**

**Monthly Status of the District – October 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.

**October 2016 Report**

**Water Usage/Quality**

Amount of Water Consumed in Metro Main

FY 2017 Year to Date – 821,206,300 gallons

FY 2016 Year to Date – 833,821,800 gallons

Amount of Water Consumed in Metro Hub

FY 2017 Year to Date – 97,818,500 gallons

FY 2016 Year to Date – 94,715,600 gallons

Amount of Water Consumed in Metro Southwest

FY 2017 Year to Date – 47,128,800 gallons

FY 2016 Year to Date – 44,849,300 gallons

Revenue Metered Sales Billed in October 2016 – Grand Total \$ 1,407,748.58

Metro Main – \$ 1,218,401.72

Metro Hub – \$ 117,229.37

Metro Southwest – \$ 72,117.49

Prior Year Revenue Metered Sales Billed in October 2015 – Grand Total \$ 1,336,652.40

Metro Main – \$ 1,165,536.44

Metro Hub – \$ 102,986.38

Metro Southwest – \$ 68,129.58

Water Quality Samples

82 Microbiological samples taken from the distribution system.

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

65 Lab/field test samples for VOCs, Metals, Nitrate, 1,4-Dioxane, Hexavalent Chromium 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 October 2016:

1. Pulled Tucson National North well for maintenance.
2. Replaced Keystar actuator on waste valve at Hub 4.
3. Replaced two valves in Bayleaf found broken by valve exercise.
4. Shannon GAC change out.
5. Repaired DVA on Spotted Eagle in Metro Southwest.

PRV Inspections – 84

Valves Exercised – 74

Meter Replacements – 44 - 5/8” meters, 4 - 1” meter

Meters Tested – 0

ERTs Replaced – 0

New Meter Applications – 8 total

Metro Main – 0

Metro Hub – 0

Metro Southwest – 8

## **Customer Accounts**

Total Customers Billed – 20,181

New Accounts – 207

Delinquent Accounts – October 2016

Initial Shut Off Notices – 777

Final Shut Offs – 117

High Consumption Contacts – 108

Service Orders & Work Orders – Total performed: 108

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

Metro Main – 65

Metro Hub – 6

Metro Southwest – 11

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

Metro Main – 17

Metro Hub – 4

Metro Southwest – 5

### **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 September 30, 2016. Additionally, 179 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). Reimbursements for September are pending from ADEQ.

**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 2016 meeting. Award of the construction contract will be delayed.

**Oracle Jaynes Replacement Well** – Staff approved a scope of work from Clear Creek Associates for assisting with the drilling project. Clear Creek Associates is working on reviewing the technical specifications at this time.

### **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. A Memorandum of Understanding (MOU) has been prepared and sent to Redpoint for approval before being submitted to the Town of Marana. Legal descriptions have been finalized.
- **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 easement request has been submitted to the Town of Marana.
- Pima County Easements – Pipeline easements from eight parcels owned by Pima County are necessary for the project. Legal descriptions had to be revised due to right of way issues. District staff is investigating a proposed realignment of Avra Valley Road near I-10 by ADOT and will be meeting with Pima County Flood Control soon.
- 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 begin 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