

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

**July 11, 2016**

**Monthly Status of the District – June 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.

**June 2016 Report**

**Water Usage/Quality**

Amount of Water Consumed in Metro Main

FY 2016 Year to Date – 2,192,957,500 gallons

FY 2015 Year to Date – 2,189,060,600 gallons

Amount of Water Consumed in Metro Hub

FY 2016 Year to Date – 250,968,300 gallons

FY 2015 Year to Date – 261,267,600 gallons

Amount of Water Consumed in Metro Southwest

FY 2016 Year to Date – 123,883,400 gallons

FY 2015 Year to Date – 121,155,200 gallons

Revenue Metered Sales Billed in June 2016 – Grand Total \$1,569,592.50

Metro Main – \$1,344,429.42

Metro Hub – \$145,945.29

Metro Southwest – \$79,217.79

Prior Year Revenue Metered Sales Billed in June 2015 – Grand Total \$1,380,309.22

Metro Main – \$1,157,930.55

Metro Hub – \$156,101.51

Metro Southwest – \$66,277.16

Water Quality Samples

80 Microbiological samples taken from the distribution system.

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

81 Lab/field test samples for VOCs, IOCs, Copper and Lead, Nitrate, 1,4-Dioxane, DBPs 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 June 2016:

1. Completed new PRV installation at Ironwood Meadows.
2. Completed mainline extension on Frazier and Old Nogales Highway.
3. Installed liner and new sanitary seal on the Moore Well.
4. Replaced transformer on North East Booster Station VFD #2.
5. Emergency pull and replace Hub 5 well pump.

PRV Inspections – 84

Valves Exercised – 0

Meter Replacements – 131 - 5/8” meters

Meters Tested – 0

ERTs Replaced – 0

New Meter Applications – 11 total

Metro Main – 8

Metro Hub – 0

Metro Southwest – 3

**Customer Accounts**

Total Customers – 20,229

New Accounts – 317

Delinquent Accounts – June 2016

Initial Shut Off Notices – 929

Final Shut Offs – 89

High Consumption Contacts – 454

Service Orders & Work Orders – Total performed: 100

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

Metro Main – 42

Metro Hub – 13

Metro Southwest – 8

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

Metro Main – 25

Metro Hub – 4

Metro Southwest – 8

### **Water Sustainability Projects**

**Avra Valley Recharge Project (AVRP)** – A total of 2,839 acre-feet (AF) of 3,950 AF was recharged for the District at AVRP as of June 30, 2016. Additionally, 1,500 AF is scheduled for storage by the Arizona Water Banking Authority and 625 out of the 750 AF for the City of Phoenix has been stored.

**South Shannon Treatment System** – Since 2000, \$1,064,078.44 has been reimbursed from Arizona Department of Environmental Quality (ADEQ). Reimbursements of \$3,650.61 for May were submitted to ADEQ.

**Cortaro-Marana Irrigation District (CMID) Effluent Groundwater Savings Facility Project** – Pima County applied for ADEQ to grant a Pima County reuse permit for a higher class of reclaimed water so that CMID can use the reclaimed water on wheat and pumpkins. ADEQ issued the modification permit on June 15, 2016. The parties have finalized the intergovernmental agreement for the pipeline interconnect to Pima County pending any changes from the Bureau of Reclamation's pending NEPA process. Reclamation is preparing responses to comments received and is awaiting comments from U.S. Fish and Wildlife Service. The Bureau of Reclamation submitted final design plans and specifications to the District for review. District staff is finalizing the bid package.

**Oracle Jaynes Exploration** – Yellow Jacket Drilling Services began drilling April 13, 2016 and reached the total depth of 1,000 feet on April 25, 2016. Geophysical logging was completed on April 26, 2016. Both the geologic drill cuttings and the geophysical logs indicate the aquifer at this location is mainly silty sand and silty clay with neither distinct thick sand nor clay beds. A monitor well was completed in the borehole to a depth of 750 feet on April 29, 2016. Aquifer testing was completed on June 3, 2016. The final report by Clear Creek Associates will be received before the end of June 2016 and will include an assessment of the aquifer's productivity and water quality, recommendations for replacement well design, and a consultant's estimate for replacement well drilling costs.

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

**Casas Adobes Estates MLP (Nanini Drive, Casas Adobes Drive, and Andrea Doria Drive)** – Advertisement for construction bids began on January 19, 2016 with bids received on February 24, 2016. Award of the construction contract occurred at the March 14, 2016 Board meeting. A pre-construction meeting was held on April 13, 2016 and construction commenced on June 2, 2016. Construction is ongoing.

**Hub Storage Expansion Retaining Wall** – Advertisement for construction bids began on February 16, 2016 with bids received on March 30, 2016. Award of the construction contract occurred at the April 11, 2016 Board meeting. Construction started on May 9, 2016 and is on-going.

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

- **Booster Station Property** - The acquisition agreement was accepted and approved by the Board of Directors during the March 14, 2016 meeting. An amendment to the purchase

agreement that modifies the seller's taxing designation needed for the release of the grazing lease was approved by the Board at the June 13, 2016 meeting. 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 the District's consultant, Tierra, is now finalizing legal descriptions and appraisals for the pipeline easements to submit to Redpoint Development.
- BKW Farms – Tierra has completed property investigations, survey and legal descriptions and property appraisals for three wells sites and pipeline easements on BKW Farms property. The information has been submitted to BKW Farms for their consideration and multiple meetings have been held to discuss.
- State Land Easements – An additional State Land easement that will be necessary east of I-10 was determined during a recent meeting with the Town of Marana and Redpoint Development. Once Tierra completes the easement legal description for this additional easement the package for all the State Land easements will be submitted to the Arizona State Land Department. The process to acquire easements from the Arizona State Land Department is expected to take approximately two years to finalize.
- Town of Marana Easement – With the additional State Land easement, an easement from the Town of Marana is not required.
- 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.
- Cal Portland Cement Company – Pipeline easements from seven parcels owned by the Cal Portland Cement Company are necessary for the project. Legal descriptions had to be revised due to right of way issues and the District is awaiting the completion of the property appraisals before submitting to the property owner.
- 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. The District will not know the final pipeline alignment for the area between Bluebonnet 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