

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

**August 8, 2016**

**Monthly Status of the District – July 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.

**July 2016 Report**

**Water Usage/Quality**

Amount of Water Consumed in Metro Main

FY 2017 Year to Date – 226,643,500 gallons

FY 2016 Year to Date – 227,250,600 gallons

Amount of Water Consumed in Metro Hub

FY 2017 Year to Date – 29,230,700 gallons

FY 2016 Year to Date – 27,000,300 gallons

Amount of Water Consumed in Metro Southwest

FY 2017 Year to Date – 11,715,500 gallons

FY 2016 Year to Date – 12,187,600 gallons

Revenue Metered Sales Billed in July 2016 – Grand Total \$1,698,746.38

Metro Main – \$1,447,868.61

Metro Hub – \$168,674.24

Metro Southwest – \$82,203.53

Prior Year Revenue Metered Sales Billed in July 2015 – Grand Total \$1,574,892.00

Metro Main – \$1,357,460.64

Metro Hub – \$141,256.77

Metro Southwest – \$76,174.59

Water Quality Samples

78 Microbiological samples taken from the distribution system.

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

88 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 July 2016:

1. Performed GAC changeout on Shannon treatment system.
2. Horizon Hills storage tank inspection.
3. Repaired leak on Lazy B arsenic treatment vessel.
4. Repaired water main crack on Cowpoke in Metro Southwest.
5. Replaced flow meter display on Tucson National East well.

PRV Inspections – 84

Valves Exercised – 0

Meter Replacements – 20 - 5/8” meters; 2 – 2” meters

Meters Tested – 0

ERTs Replaced – 0

New Meter Applications – 7 total

Metro Main – 3

Metro Hub – 0

Metro Southwest – 4

### **Customer Accounts**

Total Customers – 20,160

New Accounts – 250

Delinquent Accounts – July 2016

Initial Shut Off Notices – 1,166

Final Shut Offs – 82

High Consumption Contacts – 159

Service Orders & Work Orders – Total performed: 124

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

Metro Main – 46

Metro Hub – 11

Metro Southwest – 26

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

Metro Main – 30

Metro Hub – 4

Metro Southwest – 7

### **Water Sustainability Projects**

**Avra Valley Recharge Project (AVRP)** – A total of 3,250 acre-feet (AF) of 3,950 AF was recharged for the District at AVRP as of July 31, 2016. Additionally, 1,500 AF is scheduled for storage by the Arizona Water Banking Authority and 1,050 out of the 1,500 AF for the City of Phoenix has been stored.

**South Shannon Treatment System** – Since 2000, \$1,067,729.05 has been reimbursed from Arizona Department of Environmental Quality (ADEQ). Reimbursements of \$3,577.89 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. Reclamation received no comments from U.S. Fish and Wildlife Service. The Bureau of Reclamation submitted final design plans and specifications to the District for the bid package.

**Inter-AMA (Active Management Area) Firming** – District staff met with City of Phoenix staff to develop a longer term storage agreement at the Avra Valley Recharge Project. An amendment to the agreement is anticipated to be brought to the Board for consideration in September.

**Drought Contingency Plan** – District staff has been monitoring and participating in CAWCD and ADWR's efforts to minimize future Colorado River shortages. Staff has reviewed how the Drought Contingency Plan could affect Non-Indian Agricultural CAP water allocations. ADWR hopes to hold a series of meetings for all interested parties in August. Various media sources are reporting ADWR's goal is to take the agreed-upon Drought Contingency Plan to the Arizona Legislature in early 2017.

**Water Systems Plan Updates** – ADWR requires the District to update its water system plan on file with ADWR every five years. Staff received notice from ADWR on July 8, 2016 that updates were due for Metro Main, Metro Hub, and Metro Southwest – Diablo Village. The updates were submitted to ADWR on July 19, 2016.

### **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. Pipe installation has been completed on Nanini Drive and Casas Adobes Drive and is continuing on Andrea Doria Drive.

**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 – 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 – All State Land easements are complete. The District is waiting on BKW Farms to determine if any additional state land easements are necessary. The process to acquire easements from the Arizona State Land Department is expected to take approximately two years to finalize.
- Town of Marana Easement – The easement legal description on the airport property is complete and the easement request will be 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.
- 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