

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

May 9, 2016

Monthly Status of the District – April 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.

April 2016 Report

Water Usage/Quality

Amount of Water Consumed in Metro Main

FY 2016 Year to Date – 1,784,640,400 gallons

FY 2015 Year to Date – 1,798,940,000 gallons

Amount of Water Consumed in Metro Hub

FY 2016 Year to Date – 197,924,800 gallons

FY 2015 Year to Date – 210,042,400 gallons

Amount of Water Consumed in Metro Southwest

FY 2016 Year to Date – 100,869,400 gallons

FY 2015 Year to Date – 98,958,200 gallons

Revenue Metered Sales Billed in April 2016 – Grand Total \$ 1,343,004.07

Metro Main – \$ 1,166,914.77

Metro Hub – \$ 106,143.50

Metro Southwest – \$ 69,945.80

Prior Year Revenue Metered Sales Billed in April 2015 – Grand Total \$ 1,274,713.33

Metro Main – \$ 1,100,342.38

Metro Hub – \$ 112,133.67

Metro Southwest – \$ 62,237.28

Water Quality Samples

83 Microbiological samples taken from the distribution system.

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

44 Lab/field test samples for VOCs, IOCs, Nitrate, 1,4-Dioxane 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 April 2016:

1. Repaired main break in alley of Calle Cabo and Calle Los Arboles in Metro Hub.
2. Contractor replaced a section of 6” water line at the Hub Reservoir.
3. Replaced Hub 5A well VFD due to failure.
4. Replaced poly service on Calle Lerdo in Metro Southwest – Diablo Village service area.
5. Replaced main electrical breaker at the Northeast Reservoir booster station.

PRV Inspections – 84

Valves Exercised – 0

Meter Replacements – 23 – 5/8” meters; 2 – 3/4” meters

Meters Tested – 27 large

ERTs Replaced – 0

New Meter Applications – 17 total

Metro Main – 5

Metro Hub – 0

Metro Southwest – 12

Customer Accounts

Total Customers – 20,125

New Accounts – 198

Delinquent Accounts – April 2016

Initial Shut Off Notices – 1,062

Final Shut Offs – 80

High Consumption Contacts – 205

Service Orders & Work Orders – Total performed: 83

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

Metro Main – 25

Metro Hub – 20

Metro Southwest – 16

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

Metro Main – 16

Metro Hub – 1

Metro Southwest – 5

Water Sustainability Projects

Avra Valley Recharge Project (AVRP) – A total of 1,742 acre-feet of 3,950 acre-feet was recharged for the District at AVRP as of April 30, 2016. Additionally, 1,500 acre-feet is scheduled for storage by the Arizona Water Banking Authority and 500 out of the 1,500 acre-feet for the City of Phoenix has been stored.

South Shannon Treatment System – Since 2000, \$1,033,712.68 has been reimbursed from Arizona Department of Environmental Quality (ADEQ). Reimbursements of \$23,503.51 for February and \$3,089.60 for March 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. The comments period on ADEQ's draft permit closed on April 30, 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 90% design plans and specifications and to the District for review. Review comments were submitted to the Bureau on April 29, 2016. The District has drafted the bid package.

CAP 2017 Rates – Draft 2017 rates have been distributed by CAP for review. The 2017 rates are \$2.00/AF lower than estimated last year. This means the District's CAP budget will be sufficient to recharge its entire 13,460 AF allocation.

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. On May 2, 2016, Yellow Jacket began the process of cleaning out (developing) the monitor well. Development is anticipated to be completed sometime around May 5, 2016. Aquifer productivity testing and water quality sampling may be completed as early as May 10, 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 with construction anticipated to start in mid-May 2016.

Lazy B Tucson Water Wheeling Agreement Interconnect – Award of the construction contract occurred during the January 11, 2016 Board meeting. Construction commenced

on March 21, 2016 and was completed on April 26, 2016. The District began delivery of recovered CAP water to Metro Southwest - Lazy B on April 27, 2016.

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 is anticipated to start in mid-May 2016.

Shannon Road Service Area Interconnection – Advertising 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 with construction anticipated to start in early May 2016.

CAP Land Acquisitions

- **Booster Station Property** - The acquisition agreement was accepted and approved by the Board of Directors during the March 14, 2016 meeting. Close-out of the property acquisition agreement is awaiting cancellation of the grazing lease on the property.
- **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** – Tierra and District have discussed the pipeline easement necessary with the Town of Marana. The pipeline easement request will be submitted to the Town of Marana soon.
- **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 and the District is awaiting the completion of the property appraisals before submitting to Pima County.
- **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 will soon begin 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