

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

**June 10, 2013**

**Monthly Status of the District – May 2013**

**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.

**May 2013 Report**

**Water Usage/Quality**

Amount of Water Consumed in Metro Main

Month of May 2013 – 212,761,200 gallons  
Same period last year – 198,412,400 gallons  
Month of April 2013 – 182,013,900 gallons  
FY12-13 Year to Date – 2,123,867,500 gallons  
FY11-12 Year to Date – 2,170,189,200 gallons

Amount of Water Consumed in Metro Hub

Month of May 2013 – 26,556,900 gallons  
Same period last year – 26,329,000 gallons  
Month of April 2013 – 21,824,500 gallons  
FY12-13 Year to Date – 242,338,600 gallons  
FY11-12 Year to Date – 257,438,000 gallons

Amount of Water Consumed in Metro Southwest

Month of May 2013 – 11,269,000 gallons  
Same period last year – 9,506,300 gallons  
Month of April 2013 – 9,036,900 gallons  
FY12-13 Year to Date – 102,013,800 gallons  
FY11-12 Year to Date – 98,808,900 gallons

Revenue Metered Sales Billed in May 2013 – Grand Total \$ 1,369,502.86

Metro Main – \$ 1,173,905.95  
Metro Hub – \$ 132,193.68  
Metro Southwest – \$ 63,403.23

Last Year Revenue Metered Sales Billed in May 2012 – Grand Total \$ 1,210,240.89

Metro Main – \$ 1,026,781.78

Metro Hub – \$ 125,126.80  
Metro Southwest – \$ 58,332.31

#### Water Quality Samples

- 79 Microbiological samples taken from the distribution system.
- 12 Microbiological samples taken from the District's active wells.
- 78 Lab/field test samples for arsenic, nitrate, IOCs, SOCs, VOCs, Radiochemicals, Asbestos, and DBPs.

#### Status of Compliance with Regulatory Requirements

District is in compliance with its regulatory requirements.

#### **System Maintenance**

##### Noteworthy Maintenance Projects and Major Repairs in May 2013:

1. Replaced gear drive on 20" transmission main valve.
2. Installed new water service on Del Fierro.
3. Placed Wanda Well in service with new VFD.
4. Continue work at Lazy B storage tank replacement.
5. GAC change-out on Shannon treatment system.

PRV Inspections – 76

Valves Exercised – 0

#### Meter Replacements

Meters Replaced – 1  
Meters Tested – 0

New Meter Installs – 6

#### **Customer Accounts**

Total Customers – 19,896

Turn-on for New Accounts – 289

#### Delinquent Accounts – May 2013

Initial Shut Off Notices – 912  
Final Shut Offs – 72

High Consumption Contacts – 53

Service Orders & Work Orders – Total performed: 94

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

Metro Main – 29  
Metro Hub – 6  
Metro Southwest – 2  
Work Orders (generated by staff when a need to perform additional work is recognized):  
Metro Main – 32  
Metro Hub – 18  
Metro Southwest – 7

### **Water Sustainability Projects**

**Avra Valley Recharge Project (AVRP)** – A total of 3,296 acre-feet was recharged at AVRP as of May 31, 2013 out of the 7,117 acre-feet scheduled for 2013. In addition, 883 acre-feet is scheduled for the Arizona Water Bank.

Amount of Water Recharged at AVRP:

Month of May 2013 – 191,926,200 gallons  
Same period last year – 247,972,600 gallons  
Month of April 2013 – 213,367,200 gallons

**South Shannon Treatment System** – As of May 14, 2013, approximately 66 million gallons of water has been treated since the nineteenth carbon change-out on October 3, 2012. The well returned to service in May but was temporarily turned off for a carbon change-out on May 30, 2013. Since its startup in July 2006, 1.3 billion gallons of water has been treated by the treatment system. Since 2000, \$796,014.07 has been reimbursed from ADEQ.

**2014 CAP Utilization** – Staff is seeking ways to fully utilize the District's CAP allocation of 13,460 acre-feet by 2014 and beyond. The District's CAP budget will be smaller than CAP's rate increases, therefore partners are needed for the District to gain recharge credits for the portion of the CAP allocation that the District pays capital charges on, but does not have funds for delivery and storage. Staff has discussed partnership with the Arizona Water Banking Authority and the Central Arizona groundwater Replenishment District. The Town of Marana does not desire to increase its storage with the District. Other possible parties will be contacted this summer.

**State Land CAP Allocation** – SRP sent a proposal to use all of Arizona State Land Department's (ASLD) CAP allocation of 32,076 acre-feet. Staff assisted SAWUA in drafting a letter to ASLD opposing SRP's proposal, since part of ASLD's CAP allocation (14,000 acre-feet) was originally planned for use in the Tucson Active Management Area (TAMA). ADWR's 4<sup>th</sup> Management Plan goal of reaching safe-yield is dependent upon use of ASLD's 14,000 acre-feet of CAP water in the TAMA.

**Non-Indian Agricultural (NIA) Water CAP Application** – Staff has completed 70 percent as of May 28, 2013 on the application for Metro Southwest – Diablo Village. The application is due to ADWR on June 14, 2013.

**Effluent Recharge Project** – Cortaro Marana Irrigation District (Cortaro) prepared a cost estimate for three options to flush the clogged effluent delivery pipeline north of Ina Road that discharges to their irrigation control that parallels I-10. Cortaro wants to either use groundwater from their well located at the Ina Road Wastewater Reclamation Facility (WRF) via a temporary pipeline interconnect or pump treated wastewater from the Ina Road WRF. The flushing of the effluent delivery pipeline is needed for the District to assess if the pipeline is competent for use or needs reconditioning and at what cost for budgeting purposes. The well equipping option was found to be the most expensive at \$10,000. Flushing the pipeline with treated wastewater was found not feasible because ADEQ does not allow Class B wastewater to be used for flushing or leak testing. Staff and Cortaro are researching if Northwest Fire will allow the use of their fire hydrants located at their training facility to flush the north half of the pipeline.

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

**Riverside Well Improvements** – Design of the well site improvements was completed by the District's Miscellaneous Design Consultant, EEC Engineering. Design was completed in July 2012. Bid advertisement began on November 19, 2012 and bids were received on December 19, 2012. The construction contract was awarded to the Ashton Company during the January 14, 2013 meeting. A pre-construction meeting was held on February 12, 2013. Construction started on March 18, 2013 and is continuing. Completion is anticipated during July 2013.

**Hub Well #1A Site improvements (Fruchthendler Well)** – The District's Miscellaneous Design Consultant, EEC Engineering, completed the design of the project. Bidding on the project commenced on April 8, 2013. Bids were received on May 1, 2013. The construction contract was awarded to Innova Engineering during the May 13, 2013 meeting.

**Orange Grove Rd., Camino de la Tierra to La Cholla** – Pima County utility plans received in September 26, 2011. Due to staff workload, design was done by the District's Miscellaneous Design Consultant, EEC. Pima County plan approval was obtained on July 16, 2012 and the bid process commenced on July 16, 2012. Bids were received on August 29, 2012 and the construction contract awarded on September 10, 2012. A pre-construction meeting was held on October 30, 2012 and a notice-to-proceed was issued November 19, 2012. Construction was completed on April 8, 2013. Project close-out awaiting approval of change order #2 by the Board.

**Oracle/Ina Intersection Improvements** – Pima County final plans for utilities were received on April 12, 2012. Conflicts with the proposed storm drains will require the

lowering of existing waterline at three locations. Advertising commenced on November 5, 2012 and bids were received on November 28, 2012. The construction contract was awarded during the Board's December 2012 meeting to Select Development. Construction commenced on January 23, 2013. Construction of the waterline relocations was completed on April 8, 2013. Project close-out is ongoing.

For additional information regarding this report, the Board can also refer to the more detailed reports from the Utility and Engineering Teams. 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,

Mark R. Stratton, P.E.  
General Manager