

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

**May 13, 2013**

**Monthly Status of the District – April 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.

**April 2013 Report**

**Water Usage/Quality**

Amount of Water Consumed in Metro Main

Month of April 2013 – 182,013,900 gallons  
Same period last year – 185,316,100 gallons  
Month of March 2013 – 147,274,600 gallons  
FY12-13 Year to Date – 1,911,106,300 gallons  
FY11-12 Year to Date – 1,971,447,500 gallons

Amount of Water Consumed in Metro Hub

Month of April 2013 – 21,824,500 gallons  
Same period last year – 21,974,200 gallons  
Month of March 2013 – 15,402,900 gallons  
FY12-13 Year to Date – 215,781,800 gallons  
FY11-12 Year to Date – 231,108,500 gallons

Amount of Water Consumed in Metro Southwest

Month of April 2013 – 9,036,900 gallons  
Same period last year – 9,210,500 gallons  
Month of March 2013 – 7,624,500 gallons  
FY12-13 Year to Date – 90,744,800 gallons  
FY11-12 Year to Date – 89,302,600 gallons

Revenue Metered Sales Billed in April 2013 – Grand Total \$ 1,187,925.92

Metro Main – \$ 1,024,913.16  
Metro Hub – \$ 108,055.09  
Metro Southwest – \$ 54,957.67

Last Year Revenue Metered Sales Billed in April 2012– Grand Total \$ 1,117,697.28

Metro Main – \$ 961,365.22

Metro Hub – \$ 102,247.87  
Metro Southwest – \$ 54,084.19

#### Water Quality Samples

79 Microbiological samples taken from the distribution system.  
7 Microbiological samples taken from the District's active wells.  
36 Lab/field test samples for arsenic, nitrate, IOCs, and VOCs.

#### Status of Compliance with Regulatory Requirements

District is in compliance with its regulatory requirements.

#### **System Maintenance**

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

1. Replace Deconcini well wiring due to burnt installation.
2. Replaced E&T 23 VFD cooling fan.
3. Repaired large main break on Fountains Drive.
4. Repaired leaking service on Knob Hill.
5. Tripp Reservoir & Herb Johnson Reservoir dive inspections.

PRV Inspections – 74

Valves Exercised – 0

#### Meter Replacements

Meters Replaced – 0  
Meters Tested – 0

New Meter Installs – 4

#### **Customer Accounts**

Total Customers – 19,965

Turn-on for New Accounts – 233

#### Delinquent Accounts – April 2013

Initial Shut Off Notices – 716  
Final Shut Offs – 104

High Consumption Contacts – 79

#### Service Orders & Work Orders – Total performed: 170

Service Orders (generated from customers calling in with a problem):  
Metro Main – 87

Metro Hub – 8  
Metro Southwest – 9  
Work Orders (generated by staff when a need to perform additional work is recognized):  
Metro Main – 42  
Metro Hub – 12  
Metro Southwest – 12

### **Water Sustainability Projects**

**Avra Valley Recharge Project (AVRP)** – A total of 2,708 acre-feet was recharged at AVRP as of April 30, 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 April 2013 – 213,367,200 gallons  
Same period last year – 234,286,900 gallons  
Month of March 2013 – 244,062,400 gallons

**South Shannon Treatment System** – As of January 15, 2013, approximately 60 million gallons of water has been treated since the nineteenth carbon change-out on October 3, 2012. The well was temporarily turned off for maintenance on January 16, 2013. Since its startup in July 2006, 1.3 billion gallons of water has been treated by the treatment system. Since 2000, \$793,604.97 has been reimbursed from ADEQ. The well is down for maintenance. Staff submitted the 1<sup>st</sup> quarter 2013 reimbursement request of \$2,409.10 to ADEQ.

**Metro Southwest – Diablo AWS** – Staff will submit the Designation for Assured Water Supply and Central Arizona Groundwater Replenishment District Member Service Area applications. Notice has been given to two developers that their executed assured water supply agreements must be submitted to the District by May 15, 2013. The 30 days will be used by staff to draft the application commensurate with the service area water demand.

**Effluent Recharge Project** – Cortaro Marana Irrigation District is preparing a cost estimate for two or 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 of needs reconditioning and at what cost for budgeting purposes. The later work may be eligible for State augmentation grant funds.

### **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.

**Fruchthendler Well Improvements** – 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. Award of the construction contract is scheduled for the May 13, 2013 Board 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 is ongoing.

**Pantano Road Transmission Main** – The design contract was awarded to Westland Resources on January 9, 2012. A notice-to-proceed was issued on January 23, 2012. Design approval was obtained from Pima County in April 2013.

**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