

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

**May 14, 2012**

**Monthly Status of the District – April 2012**

**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 2012 Report**

**Water Usage/Quality**

Amount of Water Consumed in Metro Main

Month of April 2012 – 185,316,100 gallons  
Same period last year – 225,927,500 gallons  
Month of March 2012 – 169,389,100 gallons

Amount of Water Consumed in Metro Hub

Month of April 2012 – 21,974,200 gallons  
Same period last year – 26,739,900 gallons  
Month of March 2012 – 17,970,600 gallons

Amount of Water Consumed in Metro Southwest

Month of April 2012 – 9,210,500 gallons  
Same period last year – 9,313,588 gallons  
Month of March 2012 – 6,924,100 gallons

Amount of Water Recharged at AVRVP

Month of April 2012 – 234,286,869 gallons  
Same period last year – 221,252,829 gallons  
Month of March 2012 – 245,365,803 gallons

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

Last Year Revenue Metered Sales Billed in April 2011 – Grand Total \$ 1,298,358.25

Metro Main – \$ 1,114,471.85

Metro Hub – \$ 124,535.37  
Metro Southwest – \$ 59,351.03

**Water Quality Samples**

- 78 Microbiological samples taken from the distribution system.
- 9 Microbiological samples taken from the District's active wells.
- 38 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 2012:**

1. Wanda Well VFD installation & electrical.
2. Pulled Cresta Loma Well for emergency repairs.
3. Removed all above ground facilities at Catalina Village.
4. Repaired water lines on Cortaro, La Cholla, and Desert Ironwood.
5. Upgraded DeConcini Well electrical.

PRV Inspections – 78

Valves Exercised – 8

**Meter Replacement Program**

Meters Replaced – 0  
Meters Tested – 24

New Meter Installs – 0

**Customer Accounts**

Total Customers – 19,891

Turn-on for New Accounts – 226

**Delinquent Accounts – April 2012**

Initial Shut Off Notices – 836  
Final Shut Offs – 66

High Consumption Contacts – 34

**Service Orders & Work Orders – Total performed: 46**

Service Orders (generated from customers calling in with a problem):  
Metro Main – 35

Metro Hub – 0  
Metro Southwest – 8  
Work Orders (generated by staff when a need to perform additional work is recognized):  
Metro Main – 3  
Metro Hub – 0  
Metro Southwest – 0

### **Hydrology Projects**

**South Shannon Treatment System** – As of April 24, 2012, approximately 44 million gallons of water has been treated since the seventeenth carbon change-out on February 22, 2012. Since its startup in July 2006, 1.2 billion gallons of water has been treated by the treatment system. For calendar year 2011, a total of \$107,956.57 was received from ADEQ. Since 2000, \$688,496.92 has been reimbursed from ADEQ. Staff submitted the 1<sup>st</sup> quarter reimbursement request of \$33,536.35 to ADEQ.

**Metro Diablo** – Hydrology staff and Clear Creek Associates met with the Assured Water Supply staff of the Arizona Department of Water Resources (ADWR) to discuss if the existing certificates of assured water supply could be converted to a designation of assured water supply. ADWR staff gave the District a favorable response that a conversion would be feasible and beneficial. Afterwards, Hydrology staff communicated with CAGR D staff and learned the CAGR D member lands would be inactivated once CAWCD approved a CAGR D member service agreement with the District.

**Avra Valley Recharge Project (AVRP)** – Testing of Basin 4 infiltration rates have increased from 1.51 ft/day in March to 1.65 ft/day in April, but water levels in the basin are increasing. Therefore, staff believes the drain holes are beginning to clog. Staff received re-bids to replace the flow gates that channel flow into the recharge basins. The bids are lower and were available to the Board for consideration at the April Study Session. The existing flow gates are no longer operable. A total of 2,856 acre-feet has been recharged at AVRP from January 1, 2012 to April 30, 2012.

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

**Magee Road, Shannon Road to Thornydale Road and Shannon Road Transmission Main** – Pima County plan approval obtained on August 25, 2011. Project began bidding on September 6, 2011, with bids being opened on September 29, 2011. Construction contract was awarded to Innova Engineering during the October 12, 2011 meeting. A construction meeting was held on November 21, 2011. A notice to proceed was issued for January 9, 2012. Construction is ongoing with an anticipated completion date in December 2012.

**La Cañada Drive ‘A’ Zone Transmission Main and Waterline Relocations, Ina Road to River Road** – Final plan approval was obtained from Pima County on July 8, 2011. Bids were opened on September 1, 2011 and the construction contract was awarded

to Action Pipeline during the September 12, 2011 Board Meeting. Construction started on October 31, 2011 and is continuing with an anticipated completion date in September 2012.

**La Cholla Boulevard Waterline Relocations, Magee Road to Overton Road** – Pima County plan approval was obtained on August 25, 2011. Bid process commenced on September 26, 2011 and bids were received on October 26, 2011. Construction contract was awarded during the November 14, 2011 Board meeting to Select Development. Construction started on February 27, 2012 and is continuing with an anticipated completion date in July 2012.

**Riverside Well Transmission Main** – The design contract was awarded to Westland Resources on February 14, 2011. A notice-to-proceed was issued on February 28, 2011. Design was completed in February 2012. The District will be required to construct a portion of the project in conflict with the Pima County Lulu Walker project by May 28, 2012. Board approved a change order with KE&G Construction on April 30, 2012 for this work.

**Riverside Well Improvements** – Design of the well site improvements is being done by the District's Miscellaneous Design Consultant, EEC Engineering. Consultant has submitted 90% plans to the District.

**Fruchthendler Well Improvements** – A notice-to-proceed has been issued to the District's Miscellaneous Design Consultant, EEC Engineering, for the well site improvement design.

**Magee Trail Well Improvements (Matter Well)** – A notice-to-proceed was issued to the District's Miscellaneous Design Consultant, EEC Engineering, for the well site improvement design. Bid advertisement to commence in March 2012 with construction contract award in April 2012. Pima County approved plans on March 13, 2012 and bid advertisement began on March 19, 2012. Bids were received on April 18, 2012 and construction contract was awarded to the Ashton Company on April 30, 2012.

**Orange Grove Rd., Camino de la Tierra to La Cholla** – Pima County utility plans received in September 26, 2011. Approximately 1,500 lineal feet of existing pipe will be required to be relocated. Due to staff workload, design is being done by the District's Miscellaneous Design Consultant, EEC. Plan approval is expected in May 2012. Pima County road improvement project is scheduled to commence in July 2012.

**Magee Road, La Canada Drive to Oracle Road** – Received PCDOT Utility Plans on October 17, 2011. Design commenced in December 2011. The district is awaiting final plan approval from Pima County. Pima County road improvement project is scheduled to commence in August 2012.

**Iberia Avenue, Tenderfoot to Iberia Circle/ Portugal Circle Waterline Interconnection** – Design was completed by District staff in FY 2010/2011. Bid advertisement commenced on January 23, 2012. Bid opening was held on February 22, 2012 and construction contract award occurred during the March 2012 Board meeting. Construction commenced on April 23, 2012 and is continuing with an anticipated June 2012 completion.

**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 is on-going.

**Lulu Walker** – Road improvements along Roller Coaster / Oracle Jaynes Station are scheduled to commence in late May 2012. The District has two waterline lowerings that are required due to the road improvements. The waterline lowerings will be done by KE&G Construction.

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