

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

**July 9, 2012**

**Monthly Status of the District – June 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.

**June 2012 Report**

**Water Usage/Quality**

Amount of Water Consumed in Metro Main

Month of June 2012 – 276,916,900 gallons  
Same period last year – 244,955,000 gallons  
Month of May 2012 – 198,412,400 gallons  
FY11-12 Year to Date – 2,448,474,700 gallons  
FY10-11 Year to Date – 2,616,609,598 gallons

Amount of Water Consumed in Metro Hub

Month of June 2012 – 34,902,300 gallons  
Same period last year – 32,339,000 gallons  
Month of May 2012 – 26,329,000 gallons  
FY11-12 Year to Date – 292,340,300 gallons  
FY10-11 Year to Date – 303,940,779 gallons

Amount of Water Consumed in Metro Southwest

Month of June 2012 – 12,720,200 gallons  
Same period last year – 9,641,400 gallons  
Month of May 2012 – 9,506,300 gallons  
FY11-12 Year to Date – 111,535,600 gallons  
FY10-11 Year to Date – (not available) gallons

Revenue Metered Sales Billed in June 2012 – Grand Total \$ 1,633,025.53

Metro Main – \$ 1,395,781.94  
Metro Hub – \$ 172,419.92  
Metro Southwest – \$ 64,823.67

Last Year Revenue Metered Sales Billed in June 2011 – Grand Total \$ 1,461,557.27

Metro Main – \$ 1,248,691.41  
Metro Hub – \$ 157,597.59  
Metro Southwest – \$ 55,268.27

#### Water Quality Samples

- 79 Microbiological samples taken from the distribution system.
- 10 Microbiological samples taken from the District's active wells.
- 70 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 June 2012:

1. Replaced filler line at DeConcini from Lattamore.
2. Installed AMR/Telemetry towers at Lazy B and DV1.
3. Repaired failed components in VFD #4 at HJR.
4. Installed 150' conduit for DV2 trailer electrical.
5. Test shut down in 24" transmission main.

PRV Inspections – 74

Valves Exercised – 0

#### Meter Replacement Program

Meters Replaced – 3  
Meters Tested – 15

New Meter Installs – 4

### **Customer Accounts**

Total Customers – 19,764

Turn-on for New Accounts – 257

#### Delinquent Accounts – June 2012

Initial Shut Off Notices – 1,343  
Final Shut Offs – 76

High Consumption Contacts – 35

Service Orders & Work Orders – Total performed: 88

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

Metro Main – 33  
Metro Hub – 3  
Metro Southwest – 27

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

Metro Main – 21  
Metro Hub – 1  
Metro Southwest – 3

### **Hydrology Projects**

**Avra Valley Recharge Project (AVRP)** – Basin 4 infiltration rates have decreased from 1.5 ft/day in May to 1.0 ft/day in June. The water levels in the basin were increasing, so the inflow was reduced. Therefore, staff believes the drain holes are clogged, due to algae growth. A total of 4,250 acre-feet have been recharged at AVRP from January 1, 2012 to June 30, 2012, or an average of 708 acre-feet per month. Staff has finished the technical review of the drawings for the new AVRP flow gates.

Amount of Water Recharged at AVRP:

Month of June 2012 – 206,263,683 gallons  
Same period last year – 225,814,743 gallons  
Month of May 2012 – 247,972,611 gallons

**South Shannon Treatment System** – As of June 26, 2012, approximately 11 million gallons of water has been treated since the eighteenth carbon change-out on May 30, 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, \$720,883.51 has been reimbursed from ADEQ. Staff submitted the 2<sup>nd</sup> quarter reimbursement request of \$32,386.59 to ADEQ.

**Effluent Recharge** – The District received a draft permit from ADWR on the District's permit application to deliver up to 2,250 acre-feet/year of treated effluent to Cortaro-Marana Irrigation District. The public comment period ended June 15, 2012 and no legal objections were submitted. The District will now begin negotiations with Pima County Wastewater Management Department to re-establish through an IGA the effluent interconnection at the Ina Road Wastewater Reclamation facility. The District will be financially responsible for the design and construction of the interconnect unless the Bureau of Reclamation partners with the District to expand the pipeline capacity.

**2013 CAP Order** – Staff is negotiating storage agreements with its groundwater savings partners (GSFs). The agreements will be scheduled for action at the Board meeting in August. All of the District's CAP allocation (13,460 acre-feet) for 2013 will be stored at AVRP and GSFs (50/50). In addition, 315 acre-feet of excess CAP water will be recharged. Thus, 13,775 acre-feet will be the highest volume ever stored by the District.

The high volume is the result of the District completing \$200,000 payments to CAWCD for the District's new CAP reallocation.

### **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. A portion of the project in conflict with the Pima County Lulu Walker project was completed in May 2012.

**Riverside Well Improvements** – Design of the well site improvements is being done by the District's Miscellaneous Design Consultant, EEC Engineering. District has returned 90% plan comments to consultant and is awaiting plan submittal.

**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. 60% plans have been submitted by consultant to the District.

**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. A pre-construction meeting was held on June 7, 2012 and a construction notice to proceed was issued effective June 19, 2012.

**Orange Grove Rd., Camino de la Tierra to La Cholla** – Pima County utility plans received in September 26, 2011. Due to staff workload, design is being done by the District's Miscellaneous Design Consultant, EEC. The District is awaiting approval or comments from PCDOT on final plans.

**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 approval or comments from PCDOT on final plans.

**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 was completed in June 2012.

**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. The consultant has submitted 60% plans to the District for review.

**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 Board approved a change order with KE&G Construction on April 30, 2012 for this work. Construction began on May 22, 2012 and was completed on May 30, 2012.

**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. Design is underway by District staff.

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