

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

**November 14, 2012**

**Monthly Status of the District – October 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.

**October 2012 Report**

**Water Usage/Quality**

Amount of Water Consumed in Metro Main

Month of October 2012 – 197,447,200 gallons  
Same period last year – 215,782,100 gallons  
Month of September 2012 – 228,135,900 gallons  
FY12-13 Year to Date – 872,899,400 gallons  
FY11-12 Year to Date – 965,369,100 gallons

Amount of Water Consumed in Metro Hub

Month of October 2012 – 23,162,200 gallons  
Same period last year – 25,231,900 gallons  
Month of September 2012 – 27,203,300 gallons  
FY12-13 Year to Date – 101,838,200 gallons  
FY11-12 Year to Date – 112,157,500 gallons

Amount of Water Consumed in Metro Southwest

Month of October 2012 – 8,796,800 gallons  
Same period last year – 9,683,100 gallons  
Month of September 2012 – 10,603,200 gallons  
FY12-13 Year to Date – 40,797,700 gallons  
FY11-12 Year to Date – 41,253,000 gallons

Revenue Metered Sales Billed in October 2012 – Grand Total \$ 1,181,972.64

Metro Main – \$ 1,017,657.05  
Metro Hub – \$ 108,632.82  
Metro Southwest – \$ 55,682.77

Last Year Revenue Metered Sales Billed in October 2011 – Grand Total \$ 1,277,258.02

Metro Main – \$ 1,099,872.26

Metro Hub – \$ 119,488.41  
Metro Southwest – \$ 57,897.35

#### Water Quality Samples

- 79 Microbiological samples taken from the distribution system.
- 9 Microbiological samples taken from the District's active wells.
- 80 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 October 2012:

1. Pulled Wildwood Well for maintenance.
2. Temp repair on 24" bell joint on La Cholla.
3. Installed 3 new services on Oracle Jaynes.
4. Marlene Well motor replacement test for better efficiency.
5. AVR P wier plate replacement and weir cleaning.

PRV Inspections – 74

Valves Exercised – 41

##### Meter Replacement Program

Meters Replaced – 0  
Meters Tested – 0

New Meter Installs – 1

#### **Customer Accounts**

Total Customers – 19,834

Turn-on for New Accounts – 255

##### Delinquent Accounts – October 2012

Initial Shut Off Notices – 1,253  
Final Shut Offs – 127

High Consumption Contacts – 25

##### Service Orders & Work Orders – Total performed: 62

Service Orders (generated from customers calling in with a problem):  
Metro Main – 32

Metro Hub – 4

Metro Southwest – 6

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

Metro Main – 20

Metro Hub – 0

Metro Southwest – 0

### **Hydrology Projects**

**Avra Valley Recharge Project (AVRP)** – A total of 6,818 acre-feet have been recharged at AVRP from January 1, 2012 to October 31, 2012, or an average of 682 acre-feet per month. Staff completed the October installation of the new main weir plate during the CAP canal shutdown. BKW Farms will install the five new flow gates during the shutdown. The District has completed 100 percent of the District's 6,436 acre-feet of CAP water storage at AVRP for 2012 and 24 percent of the Arizona Water Bank's storage.

Amount of Water Recharged at AVRP:

Month of October 2012 – 179,543,901 gallons

Same period last year – 195,510,600 gallons

Month of September 2012 – 248,298,462 gallons

**South Shannon Treatment System** – As of October 30, 2012, approximately 17 million gallons of water has been treated since the nineteenth carbon change-out on October 3, 2012. Since its startup in July 2006, 1.3 billion gallons of water has been treated by the treatment system. Since 2000, \$753,270.10 has been reimbursed from ADEQ. For calendar year 2012, 34.9 pounds of contaminants have been removed from the aquifer. The well has run on the average 72 percent of the time from January through September. Staff submitted the 3<sup>rd</sup> quarter reimbursement request of \$9,487.44 to ADEQ.

**Effluent Recharge** – On July 6, 2012, the District received a permit from ADWR on the District's permit application to store up to 2,250 acre-feet/year of treated effluent with Cortaro-Marana Irrigation District. The District has had discussions with Pima County Wastewater Management Department to re-establish the effluent interconnection at the Ina Road Wastewater Reclamation facility. The Bureau of Reclamation is preparing to clean the blocked portions of pipeline interconnect north of Ina Road and then finish videoing the pipeline to assess its condition. If agreements can be made with Pima County this fiscal year, then design and repairs would occur in the next fiscal year.

**Metro Southwest – Diablo AWS** – Clear Creek Associates completed a final Hydrology Report. The groundwater flow model projects after 100 years of pumping there is sufficient physical availability for the build out demands of 4,144 acre-feet per year. Staff is working on the Designation for Assured Water Supply and Central Arizona Groundwater Replenishment District Member Service Area applications. Two assured

water supply agreements with the developers are pending approval before they can be brought to the Board for approval.

**Non-Indian Agricultural Pool** – Staff has been tracking ADWR’s position on allocating 96,275 acre-feet of CAP water. The District could be eligible for a small portion of this supply. The CAP supply is 66 percent reliable, so the District would need to use a portion of its effluent supply (recharge credits) as a backup supply to be eligible for an NIA allocation. Staff is proposing using recharge credits to pay for the upfront costs of the allocation. The supply would be for Metro Southwest – Diablo.

**2013 CAP Order** – The District completed the 2012 storage in October of 11,236 acre-feet.

### **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 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 early November 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 was completed in August 2012. Project close-out is completed.

**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. Project bid began on September 17, 2012 with bids to be received on October 17, 2012. Project award is scheduled for the November 2012 Board meeting.

**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. Construction anticipated to start in early 2013.

**Fruchthendler Well Improvements** – A notice-to-proceed has been issued to the District’s Miscellaneous Design Consultant, EEC Engineering, for well site improvement design. Final plans have been submitted by consultant to the District. Construction is anticipated to start mid 2013.

**Old 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. Construction was anticipated to start in early July 2012, however due to several rain events wet soil conditions delayed start to mid-August 2012. Construction continuing with completion anticipated in December 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. 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 is expected to be issued for November 19, 2012.

**Magee Road, La Canada Drive to Oracle Road** – Received PCDOT Utility Plans on October 17, 2011. Design commenced in December 2011. Pima County plan approval was received on July 10, 2012 and the bid process commenced on July 16, 2012. Bids were received on August 29, 2012 and construction contract awarded on September 10, 2012. Construction anticipated to start in mid November 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 final plans to the District.

**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. Plans have been submitted to Pima County DOT and ADOT for review. District has received approval from Pima County DOT and addressed ADOT review comments. Advertising to commence on November

12, 2012 with construction contract award to occur during the Board's December 2012 meeting.

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