

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

June 11, 2012

Monthly Status of the District – May 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.

May 2012 Report

Water Usage/Quality

Amount of Water Consumed in Metro Main

Month of May 2012 – 198,412,400 gallons
Same period last year – 220,185,400 gallons
Month of April 2012 – 185,316,100 gallons
FY11-12 Year to Date – 2,175,459,480 gallons
FY10-11 Year to Date – 2,371,654,367 gallons

Amount of Water Consumed in Metro Hub

Month of May 2012 – 26,329,000 gallons
Same period last year – 25,642,200 gallons
Month of April 2012 – 21,974,200 gallons
FY11-12 Year to Date – 241,582,673 gallons
FY10-11 Year to Date – 253,567,473 gallons

Amount of Water Consumed in Metro Southwest

Month of May 2012 – 9,506,300 gallons
Same period last year – 9,117,200 gallons
Month of April 2012 – 9,210,500 gallons
FY11-12 Year to Date – 98,808,900 gallons
FY10-11 Year to Date – 100,367,888 gallons

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

Last Year Revenue Metered Sales Billed in May 2011 – Grand Total \$ 1,222,352.83

Metro Main – \$ 1,045,437.37
Metro Hub – \$ 120,851.13
Metro Southwest – \$ 56,064.33

Water Quality Samples

- 79 Microbiological samples taken from the distribution system.
- 9 Microbiological samples taken from the District's active wells.
- 76 Lab/field test samples for arsenic, nitrate, IOCs, VOCs, DBPs, and Oil and Grease.

Status of Compliance with Regulatory Requirements

District is in compliance with its regulatory requirements.

System Maintenance

Noteworthy Maintenance Projects and Major Repairs in May 2012:

1. Deconcini, Cresta Loma Hub 5A well maintenance completed.
2. Performed GAC change-out at Shannon.
3. Assisted contractors with tie-ins and shut-downs for mainline work.
4. Repaired hydrants in Meadowbrook and at Foothills Mall.
5. Staff assisted with Southwest and project issues.

PRV Inspections – 74

Valves Exercised – 0

Meter Replacement Program

Meters Replaced – 0
Meters Tested – 55

New Meter Installs – 4

Customer Accounts

Total Customers – 19,849

Turn-on for New Accounts – 263

Delinquent Accounts – May 2012

Initial Shut Off Notices – 817
Final Shut Offs – 80

High Consumption Contacts – 18

Service Orders & Work Orders – Total performed: 93

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

Metro Main – 53
Metro Hub – 0
Metro Southwest – 2
Work Orders (generated by staff when a need to perform additional work is recognized):
Metro Main – 38
Metro Hub – 0
Metro Southwest – 0

Hydrology Projects

Avra Valley Recharge Project (AVRP) – Basin 4 infiltration rates have decreased from 1.65 ft/day in April to 1.5 ft/day in May. The water levels in the basin were increasing, so the inflow was reduced. Therefore, staff believes the drain holes were beginning to clog, probably due to algae growth. A total of 3,617 acre-feet have been recharged at AVRP from January 1, 2012 to May 31, 2012, or an average of 723 acre-feet per month.

Amount of Water Recharged at AVRP:

Month of May 2012 – 247,972,611 gallons
Same period last year – 111,115,191 gallons
Month of April 2012 – 234,286,869 gallons

South Shannon Treatment System – As of May 29, 2012, approximately 66 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 received the 1st quarter reimbursement request of \$33,536.35 from ADEQ. The Utility Team was successful in expanding the production volume from South Shannon by transferring water to the Deconcini Facility. The 40% increase will help increase the capture of the groundwater plume instead of migrating north to the unaffected Deconcini Well.

Metro Diablo – Hydrology has temporarily halted the Assured Water Supply (AWS) application. A developer of an adjacent parcel to Metro-Diablo would like to be included in the AWS application. The development would increase the water demand for the application and require a hydrologic study, since the development was not included in the latest hydrologic study encompassing Metro-Diablo.

Effluent Recharge – The District received a letter of complete and correct 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 ends June 15, 2012. If no legal objections are found, the District would then 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 would be financially responsible for the design and construction of the interconnect.

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. Construction began on May 15, 2012 and was completed on May 21, 2012.

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. A pre-construction meeting is scheduled for June 7, 2012 with construction anticipated to start late June 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 June 2012. Pima County road improvement project is being delayed due to utility relocations.

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 although a delay is likely due to the road project's federal funding participation.

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. 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 Board approved a change order with KE&G Construction on April 30, 2012 for this work. Construction began on May 23, 2012 and was completed on May 29, 2012.

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