

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

January 14, 2013

Monthly Status of the District – December 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.

December 2012 Report

Water Usage/Quality

Amount of Water Consumed in Metro Main

Month of December 2012 – 186,105,500 gallons
Same period last year – 168,576,100 gallons
Month of November 2012 – 211,477,100 gallons
FY12-13 Year to Date – 1,270,483,300 gallons
FY11-12 Year to Date – 1,322,326,200 gallons

Amount of Water Consumed in Metro Hub

Month of December 2012 – 19,980,200 gallons
Same period last year – 16,700,300 gallons
Month of November 2012 – 22,310,300 gallons
FY12-13 Year to Date – 144,130,400 gallons
FY11-12 Year to Date – 158,679,700 gallons

Amount of Water Consumed in Metro Southwest

Month of December 2012 – 9,462,300 gallons
Same period last year – 7,900,000 gallons
Month of November 2012 – 8,235,900 gallons
FY12-13 Year to Date – 58,477,700 gallons
FY11-12 Year to Date – 56,965,500 gallons

Revenue Metered Sales Billed in December 2012 – Grand Total \$ 1,190,855.84

Metro Main – \$ 1,032,988.83
Metro Hub – \$ 101,669.13
Metro Southwest – \$ 56,197.88

Last Year Revenue Metered Sales Billed in December 2011 – Grand Total \$ 1,042,266.89

Metro Main – \$ 909,719.80

Metro Hub – \$ 80,020.84
Metro Southwest – \$ 52,526.25

Water Quality Samples

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

1. Abandoned the Matter Well.
2. Replaced concrete pedestal and reinstalled Wildwood Well.
3. Repaired 6 mainline breaks.
4. Electrical modifications to the Lazy B site for tank bypass.
5. Replaced circuit board in Tucson National North engine controller.

PRV Inspections – 74

Valves Exercised – 3

Meter Replacement Program

Meters Replaced – 0
Meters Tested – 0

New Meter Installs – 1

Customer Accounts

Total Customers – 19,863

Turn-on for New Accounts – 192

Delinquent Accounts – December 2012

Initial Shut Off Notices – 1,330
Final Shut Offs – 112

High Consumption Contacts – 22

Service Orders & Work Orders – Total performed: 142

Service Orders (generated from customers calling in with a problem):
Metro Main – 66

Metro Hub – 6
Metro Southwest – 6
Work Orders (generated by staff when a need to perform additional work is recognized):
Metro Main – 26
Metro Hub – 7
Metro Southwest – 8

Water Sustainability Projects

Avra Valley Recharge Project (AVRP) – A total of 7,238 acre-feet was recharged at AVRP in 2012, or an average of 603 acre-feet per month. The facility did not operate in November and part of December because of the CAP canal maintenance and new flow gate installation.

Amount of Water Recharged at AVRP:

Month of December 2012 – 136,857,420 gallons

Same period last year – 190,948,686 gallons

Month of November 2012 – 0 gallons

South Shannon Treatment System – As of December 26, 2012, approximately 50 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 November. Staff received the 3rd quarter reimbursement request of \$9,487.44 from ADEQ. The 4th quarter reimbursement request is being prepared by staff.

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 is waiting for information from Pima County Wastewater Management Department on where to re-establish the effluent interconnection at the Ina Road Wastewater Reclamation facility. The Bureau of Reclamation has resumed coordination efforts 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. Staff is also preparing a reuse permit application for submittal to ADEQ for effluent deliveries to Omni Tucson National.

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.

Aquifer Levels and Well Testing – Hydrology, with assistance of Utility staff, have completed half of the annual round of static water level (SWL) measurements and specific capacity testing. SWL measurements enable the District to track the resource served to customers. Specific capacity testing reveals changes in productivity of individual supply wells. We have scheduled 57 SWL measurements in and around the District's service areas and 15 specific capacity tests at active production wells. Additionally, Hydrology staff will recalibrate nine pressure transducers and data loggers that continually monitor throughout Metro Main and Metro Hub service areas.

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 January 2013.

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 was completed in November 2012. Project close-out is continuing.

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 has been 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 and bids received on October 17, 2012. Project was awarded to Action Pipeline during the November 2012 Board meeting. A pre-construction meeting was held on November 27, 2012 and construction started on December 10, 2012 and is continuing.

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 is scheduled to be awarded during the January regular Board meeting.

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 January 2013.

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 was issued 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. A notice-to-proceed was issued for November 19, 2012 and construction is continuing.

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 and is currently addressing the District’s final comments.

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 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. Construction is anticipated to start January 2013.

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