

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

March 11, 2013

Monthly Status of the District – February 2013

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.

February 2013 Report

Water Usage/Quality

Amount of Water Consumed in Metro Main

Month of February 2013 – 159,299,000 gallons
Same period last year – 146,464,400 gallons
Month of January 2013 – 152,034,400 gallons
FY12-13 Year to Date – 1,581,817,600 gallons
FY11-12 Year to Date – 1,616,742,300 gallons

Amount of Water Consumed in Metro Hub

Month of February 2013 – 16,805,400 gallons
Same period last year – 15,854,900 gallons
Month of January 2013 – 17,618,000 gallons
FY12-13 Year to Date – 196,172,100 gallons
FY11-12 Year to Date – 191,163,700 gallons

Amount of Water Consumed in Metro Southwest

Month of February 2013 – 9,131,200 gallons
Same period last year – 8,233,200 gallons
Month of January 2013 – 7,074,500 gallons
FY12-13 Year to Date – 74,683,400 gallons
FY11-12 Year to Date – 73,168,000 gallons

Revenue Metered Sales Billed in February 2013 – Grand Total \$ 1,072,996.39

Metro Main – \$ 932,156.49
Metro Hub – \$ 84,735.44
Metro Southwest – \$ 56,104.46

Last Year Revenue Metered Sales Billed in February 2012– Grand Total \$ 1,069,086.62

Metro Main – \$ 940,851.71

Metro Hub – \$ 76,140.32
Metro Southwest – \$ 52,094.59

Water Quality Samples

75 Microbiological samples taken from the distribution system.
10 Microbiological samples taken from the District's active wells.
60 Lab/field test samples for arsenic, nitrate, IOCs, TTHMs, HAA5, SOCs, VOCs, and Radiochemicals.

Status of Compliance with Regulatory Requirements

District is in compliance with its regulatory requirements.

System Maintenance

Noteworthy Maintenance Projects and Major Repairs in February 2013:

1. Continued working on Lazy B site modifications.
2. Working on fill line at E&T 22 for backup supply from E&T 23.
3. Staff assisted with night shutdown for Oracle Road work.
4. New media in Hub 3 Vessel 3 tested and put in service.
5. Staff is modifying Escondido Well discharge for use in A-Zone system.

PRV Inspections – 74

Valves Exercised – 0

Meter Replacements

Meters Replaced – 0
Meters Tested – 0

New Meter Installs – 8

Customer Accounts

Total Customers – 19,883

Turn-on for New Accounts – 218

Delinquent Accounts – February 2013

Initial Shut Off Notices – 1,139
Final Shut Offs – 93

High Consumption Contacts – 64

Service Orders & Work Orders – Total performed: 108

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

Metro Main – 74
Metro Hub – 6
Metro Southwest – 7
Work Orders (generated by staff when a need to perform additional work is recognized):
Metro Main – 10
Metro Hub – 6
Metro Southwest – 5

Water Sustainability Projects

Avra Valley Recharge Project (AVRP) – A total of 1,304 acre-feet was recharged in 2013 at AVRP as of February.

Amount of Water Recharged at AVRP:

Month of February 2013 – 210,499,800 gallons
Same period last year – 218,646,000 gallons
Month of January 2013 – 214,279,600 gallons

South Shannon Treatment System – As of January 15, 2013, approximately 60 million gallons of water has been treated since the nineteenth carbon change-out on October 3, 2012. The well was temporarily turned off for maintenance on January 16, 2013. Since its startup in July 2006, 1.3 billion gallons of water has been treated by the treatment system. Since 2000, \$793,604.97 has been reimbursed from ADEQ. The well is down for maintenance.

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 (CMID). 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 was not successful in cleaning the blocked portions of pipeline interconnect north of Ina Road on February 5th. Staff will be meeting with the Bureau and CMID to discuss next steps. Staff is also preparing a reuse permit application for submittal to ADEQ for effluent deliveries to Omni Tucson National.

Metro Southwest – Diablo AWS – Staff is waiting to submit 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 the entire annual round of 57 static water level (SWL) measurements and 12 out of 15 specific capacity tests. SWL measurements enable the District to track the resource served to customers. Specific capacity testing reveals changes in productivity of

individual supply wells. Additionally, Hydrology staff completed the recalibration of nine pressure transducers and data loggers that continually monitor throughout Metro Main and Metro Hub service areas.

Non-Indian Agricultural Water – The Arizona Department of Water Resources (ADWR) has finalized a process to allocate Non-Indian Agricultural (NIA) water to municipalities and industry. Staff will attend an applicant information meeting on March 12, 2013. Applicants are limited to requesting up to their projected 2021 water demands. Metro Southwest – Diablo Village’s demand would be 297 acre-feet in 2021. CAP has set a one-time payment for the allocation at \$1,288 per acre-foot for a total cost of \$382,536. The District could sell recharge credits to pay for the allocation. NIA water is subject to shortages on the Colorado River. ADWR estimates the supply is 66 percent reliable over the next 100 years; therefore, ADWR is requiring applicants to prove they have a back supply during shortages. The District would have the option to use its effluent recharge credits. Staff will report back to the Board in April if an application is recommended or not.

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 was completed in February 2013. Project close-out is continuing.

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. Construction of the transmission main is complete. Repair of concrete bank protection, sidewalk and native plant mitigation 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 was awarded to the Ashton Company during the January 14, 2013 meeting. A pre-construction meeting was held on February 12, 2013. Construction is anticipated to commence in late March 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 – 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 acceptance occurred in February 2013. Project close-out is continuing.

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. Construction is continuing with completion anticipated in May 2013.

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. Construction of the waterline relocations was completed in February 2013.

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 awaiting comments on plan approval from Pima County.

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. 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 to Select Development. Construction commenced on January 23, 2013. Construction of the waterline relocations

on Ina Road is complete. Contractor is still awaiting ADOT permit to complete the Oracle Road crossing waterline relocation.

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