

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

February 13, 2012

Monthly Status of the District – January 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.

January 2012 Report

Water Usage/Quality

Amount of Water Consumed in Metro Main

Month of January 2012 – 153,552,000 gallons
Same period last year – 180,131,700 gallons
Month of December 2011 – 173,846,600 gallons

Amount of Water Consumed in Metro Hub

Month of January 2012 – 16,627,400 gallons
Same period last year – 19,059,600 gallons
Month of December 2011 – 16,700,300 gallons

Amount of Water Consumed in Metro Southwest

Month of January 2012 – 7,969,300 gallons
Same period last year – 8,833,700 gallons
Month of December 2011 – 7,900,000 gallons

Amount of Water Recharged at AVRP

Month of January 2012 – 232,331,763 gallons
Same period last year – 226,140,594 gallons
Month of December 2011 – 190,948,686 gallons

Revenue Metered Sales Billed in January 2012 – Grand Total \$ 976,463.51

Metro Main – \$ 843,864.91
Metro Hub – \$ 79,943.43
Metro Southwest – \$ 52,655.17

Last Year Revenue Metered Sales Billed in January 2011 – Grand Total \$ 1,089,754.46

Metro Main – \$ 943,756.31

Metro Hub – \$ 90,381.86
Metro Southwest – \$ 55,616.29

Water Quality Samples

- 79 Microbiological samples taken from the distribution system.
- 29 Microbiological samples taken from the District's active wells.
- 42 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 January 2012:

1. Pulled the Hardy Well for maintenance due to loss of production.
2. Installed piping to connect E&T 21, 22 and 23.
3. Replaced Diablo Village 2 soft start for well.
4. Replaced failed keystone actuator at Hub #4.
5. Repaired two main breaks in Casas Adobes subdivision.

PRV Inspections – 81

Valves Exercised – 25

Meter Replacement Program

Meters Replaced – 0
Meters Rebuilt – 0
Meters Tested – 6

New Meter Installs – 1

Customer Accounts

Total Customers – 19,777

Turn-on for New Accounts – 185

Delinquent Accounts – January 2012

Initial Shut Off Notices – 754
Final Shut Offs – 80

High Consumption Contacts – 16

Service Orders & Work Orders – Total performed: 66

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

Metro Main – 44
Metro Hub – 5
Metro Southwest – 0

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

Metro Main – 12
Metro Hub – 0
Metro Southwest – 5

Hydrology Projects

E&T Wellhead Protection – On November 21, 2011, while conducting a routine specific capacity test at E&T well #22, Hydrology staff discovered a potential well head protection problem. Approximately 20 feet northwest of the active production well is an inactive well (ADWR no. 55-618410). Inspection of the inactive well revealed a broken sanitary seal and well casing had rusted away at the ground surface, creating a conduit for surface runoff directly into the aquifer. This situation should be dealt with promptly to protect the groundwater quality at the active production well. In order to save driller mobilization costs, staff will have the pump pulled and wellhead exposed in early 2012 when the active production well is worked on.

South Shannon Treatment System – As of January 24, 2012, approximately 56 million gallons of water has been treated since the sixteenth carbon change-out on October 25, 2011. Since its startup in July 2006, 1.1 billion gallons of water has been treated by the treatment system. For calendar year 2011, a total of \$74,618.72 has been received from ADEQ. Since 2000, \$655,159.07 has been reimbursed from ADEQ. Staff submitted the 4th quarter reimbursement request of \$33,337.85 to ADEQ.

2011 ADWR and CAGRD Annual Reports – Staff is preparing the annual compliance reports for ADWR and CAGRD for the District’s five service areas. Preliminary findings on water loss for Metro-Hub, Metro-Diablo and Metro-E&T are 2.6%, 8.0% and 13.2%, respectively. The 2011 annual reports are due on March 31, 2012.

Avra Valley Recharge Project (AVRP) – Testing of Basin 4 infiltration rates have increased from 1 ft/day in December to 1.21 ft/day in January. Staff requested bids to replace the flow gates that channel flow into the recharge basins and the bids will be presented to the Board in March. The existing flow gates are no longer operable.

Winter 2011/2012 Water Level Monitoring – Hydrology has completed Annual Water Level (AWL) measurements and specific capacity tests for the 2011/2012 Winter season. Measurements at 66 wells began on December 1, 2011. Staff has completed 7 specific capacity tests and 52 AWL measurements. Four specific capacity tests will be conducted once periodic maintenance is completed on those wells. Once again, the automated water level form was utilized in the field and Utility staff assisted in measurements at active well sites.

Metro-Diablo Village AWS Assessment – Hydrology received a scope of work and fee estimate from Clear Creek Associates to help the District successfully obtain a Designation of Assured Water Supply (DAWS) with the Arizona Department of Water Resources. This will be the first time a public water provider has requested Certificates of Assured Water Supply be converted to a DAWS. The Phase 1 cost is \$9,646 out of the \$50,000 budget.

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.

Magee Road, Shannon Road to La Cañada Drive Waterline Relocations – Plan approval was received on November 19, 2010 and the bid process began on November 23, 2010. Bids were received on December 29, 2010 and the construction contract was awarded to Innova Engineering on January 10, 2011. A pre-construction meeting was held on January 28, 2011 and a notice to proceed was issued for February 22, 2011. Construction was completed in January 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. A pre-construction meeting was held on January 6, 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. The consultant submitted 30% plans for review in mid-June 2011. District comments were returned to the consultant in late June 2011. The consultant submitted 60% plans for review in late July 2011 and District comments were returned to consultant in mid-August 2011. Design completion is expected in February 2012.

Riverside Well Improvements – Design of the well site improvements is being done by the District’s Miscellaneous Design Consultant, EEC Engineering.

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. Design currently on hold until consultant completes Magee Trail and Riverside Wells.

Magee Trail Well Improvements (Matter Well) – A notice-to-proceed has been issued to the District’s Miscellaneous Design Consultant, EEC Engineering, for the well site improvement design. The consultant submitted 30% plans for review July 2011 and District comments were returned to the consultant. The consultant submitted 60% plans on August 29, 2011, and comments were returned to the consultant in mid-September 2011. New well data was provided to the consultant in mid-November, 90% plans were submitted in December 2011 and final comments were returned to the consultant in January 2012. Final plans are due in February 2012 with bid advertisement to commence late February 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.

Magee Road, La Canada Drive to Oracle Road – Received PCDOT Utility Plans on October 17, 2011. Design commenced in December 2011. 50% plans were submitted to Pima County on January 26, 2012.

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 scheduled for February 22, 2012 and construction contract award is planned for the March 2012 Board meeting.

For additional information regarding this report, the Board can also refer to the more detailed reports from the Utility and Engineering Divisions. 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