

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

May 9, 2011

Monthly Status of the District – April 2011

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.

April 2011 Report

Water Usage/Quality

Amount of Water Produced in Metro Main

Month of April 2011 – 186,642,608 gallons
Same period last year – 189,207,023 gallons
Month of March 2011 – 181,809,526 gallons

Amount of Water Produced in Metro Hub

Month of April 2011 – 23,896,008 gallons
Same period last year – 22,113,000 gallons
Month of March 2011 – 20,927,008 gallons

Amount of Water Produced in Metro Southwest

Month of April 2011 – 9,313,588 gallons
Same period last year – 2,804,275 gallons*
Month of March 2011 – 8,570,343 gallons
*Data shown for 2010 does not include Tucson Water purchased.

Amount of Water Recharged at AVRP

Month of April 2011 – 221,252,829 gallons
Same period last year – 142,722,738 gallons
Month of March 2011 – 272,737,287 gallons

Revenue Metered Sales Billed in April 2011 – Grand Total \$ 1,297,719.18 est

Metro Main – \$ 1,114,009.85 est
Metro Hub – \$ 124,544.70 est

Metro Southwest – \$ 59,164.63 est

Last Year Revenue Metered Sales Billed in April 2010 – Grand Total \$ 1,053,529.60

Metro Main – \$ 900,287.17

Metro Hub - \$ 96,433.31

Metro Southwest – \$ 56,809.12

Water Quality Samples

77 Microbiological samples taken from the distribution system.

33 Microbiological samples taken from the District's active wells.

50 Lab/field test samples for arsenic, nitrate, IOCs, metals 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 April 2011:

1. Continue Diablo 1 Arsenic installation.
2. AVR - SCADA startup.
3. Blackwell VFD installation and programming.
4. Pull Lattamore North Well due to failure.
5. Main break repair on Fanbrook.

PRV Inspections – 81

Valves Exercised – 0

Meter Replacement Program – 0_ meters were replaced, 0 meters were rebuilt

New Meter Installs – 4

Customer Accounts

Total Customers – 19,898

Turn-on for New Accounts – 168

Delinquent Accounts – April 2011

Initial Shut Off Notices – 1100

Final Shut Offs – 62

High Consumption Contacts – 18

Service Orders & Work Orders – Total performed: 58

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

Metro Main - 37

Metro Hub - 2

Metro Southwest - 0

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

Metro Main - 14

Metro Hub - 1

Metro Southwest - 4

Hydrology Projects

Effluent Recharge Projects – Hydrology staff continues working separately on two of four constructed recharge projects, so the District can earn 100% in recharge credits instead of 50% through the Santa Cruz River Managed Effluent Recharge Project. The recharge projects would be cooperative with different partners. One project is with the Bureau of Reclamation, and the other with a local farmer. Discussions with the farmer have been continuing and the outcome will be presented to the Board in June or July.

Oracle Jaynes Station (OJ) Well – This past winter, during a routine drawdown test, Hydrology staff discovered that the specific capacity of the well (a measure of the amount of water-level drawdown inside the well that is required for each gallon per minute [gpm] of pumpage) has decreased from 61.2 gpm/ft to 4.7 gpm/ft or 92% since 1995. Furthermore, the OJ well currently is pumping 450 gpm, 45% of its original capacity. Hydrology staff followed up with a step-rate pumping test to characterize this decline in performance. The pump is currently near the bottom of the 372 foot deep well, and preliminary results indicate that even the reduced pumping rate is greater than what is sustainable. The causes appear to be a combination of regional ground water level decline and plugging off of the well's perforations.

Recovery Wells – Hydrology is awaiting comments on a recovery well agreement for the recovery of CAP water and effluent credits from the Avra Valley Recharge Project and the Lower Santa Cruz River Managed Effluent Recharge Project. Staff will be working on a similar agreement with CAWCD for the Board of Director's consideration.

South Shannon Treatment System – As of April 26, 2011, approximately 27 million gallons of water has been treated since the fourteenth carbon change-out on March 2, 2011. Approximately 951 million gallons of water has been treated by the treatment system since its start up in July 2006. The 4th quarter reimbursement request of \$34,583.68 was submitted to ADEQ in late January but the payment was delayed until April 15, 2011 because of ADEQ staffing problems. For calendar year 2010, a total of \$112,525.41 has been received from ADEQ. Since 2000, \$580,540.35 has been reimbursed from ADEQ. Staff submitted the 1st quarter request for \$33,256.71 on April 26, 2011.

Capital Improvement Program & Other Major Projects

Magee Road, Shannon Road to Thornydale Road and Shannon Road Transmission Main – Shannon Road Transmission Main plans were submitted to Pima County in May 2010 and the horizontal alignment was approved by Pima County on June 23, 2010. Since Pima County has moved the RTA project for Magee/Cortaro Farms from Shannon to Thornydale to October 2011, construction of a portion of the Shannon Road Transmission Main will be constructed along with water line relocation for the road improvement project. Discussions with Tucson Water are continuing on reclaim water and potable water interconnects. Plan completion is being delayed due to continued changes on the road design. Preliminary plans were submitted to Pima County on April 20, 2011.

La Cañada Drive ‘A’ Zone Transmission Main and Waterline Relocations, Ina Road to River Road – The Board of Directors awarded the design of the La Cañada Drive ‘A’ Zone Transmission Main to HDR Engineering in July 2008. Due to delays in obtaining design criteria for the road improvement design, the project has been delayed. The contract was amended to include the design of the waterline relocation associated with road improvements. Pima County released plans for utility use in late August 2010. The District’s consultant submitted plans to Pima County in early January for their review/approval and comments received in February 2011. Final plans were submitted to Pima County in late March 2011 and the District and HDR are still awaiting comments. Construction is anticipated to start in July 2011.

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 is continuing. The first milestone completion, La Cholla Blvd. corridor, is required to be complete by May 31, 2011.

Northern Hills Mainline Replacement, Phase 2 – Plans were submitted to Pima County on July 16, 2009 and approval notification was received on August 18, 2009. The bid process commenced on September 30, 2009 and bids were received on October 30, 2009. The Board awarded the construction contract to SQP Construction in the amount of \$756,315 during their November 9, 2009 meeting. A pre-construction meeting was held on November 24, 2009 and a notice-to-proceed effective January 4, 2010 was issued. Construction acceptance was issued on December 18, 2010. Project close-out information was not submitted by SQP until mid-March 2011. The District currently believes that all remaining issues have been resolved, however SQP is yet to sign the final payment request.

La Cholla Boulevard Waterline Relocations, Magee Road to Overton Road – Final plans for utilities for the RTA project were received on November 2, 2010. Waterline relocation design plans were submitted to Pima County on March 29, 2011 and comments were received on April 25, 2011. Staff is addressing final comments.

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 is ongoing. Design completion is expected in November 2011.

Riverside Well Improvements – Design of the well site improvements is being done by the District's Miscellaneous Design Consultant, EEC Engineering. Preliminary plans were submitted in April 2011 and staff is currently reviewing.

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.

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