

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

June 13, 2011

Monthly Status of the District – May 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.

May 2011 Report

Water Usage/Quality

Amount of Water Produced in Metro Main

Month of May 2011 – 388,945,529 gallons
Same period last year – 282,729,484 gallons
Month of April 2011 – 186,642,608 gallons

Amount of Water Produced in Metro Hub

Month of May 2011 – 35,538,992 gallons
Same period last year – 34,065,016 gallons
Month of April 2011 – 23,896,008 gallons

Amount of Water Produced in Metro Southwest

Month of May 2011 – 12,747,745 gallons
Same period last year – 4,588,359 gallons*
Month of April 2011 – 9,313,588 gallons
*Data shown for 2010 does not include Tucson Water purchased.

Amount of Water Recharged at AVRP

Month of May 2011 – 111,115,191 gallons
Same period last year – 162,925,500 gallons
Month of April 2011 – 221,252,829 gallons

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

Last Year Revenue Metered Sales Billed in May 2010 – Grand Total \$ 1,150,716.62
Metro Main – \$ 975,524.17
Metro Hub - \$ 120,214.94
Metro Southwest – \$ 54,977.51

Water Quality Samples

- 77 Microbiological samples taken from the distribution system.
- 35 Microbiological samples taken from the District's active wells.
- 100 Lab/field test samples for arsenic, nitrate, IOCs, metals, Asbestos, DBPs 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 May 2011:

1. Repaired main break at Nanini Drive.
2. Surge tank at E&T Well #23.
3. Lattamore North & South.
4. VFD installation at Blackwell completed.
5. Continuing to assist Innova on main-line shutdowns.

PRV Inspections – 81

Valves Exercised – 0

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

New Meter Installs – 6

Customer Accounts

Total Customers – 19,752

Turn-on for New Accounts – 239

Delinquent Accounts – May 2011

Initial Shut Off Notices – 925

Final Shut Offs – 85

High Consumption Contacts – 13

Service Orders & Work Orders – Total performed: 42

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

Metro Main - 27

Metro Hub - 2

Metro Southwest - 0

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

Metro Main - 23

Metro Hub - 6

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 July or August.

Magee Trail Well (New Matter Well) – The replacement for the Matter Well will be a new well called Magee Trail Well. Hydrology staff completed calculations to predict the effect of pumping the new well on the nearest neighbor's well and submitted the resulting well impact report to ADWR on June 1st along with the new well application for a permitted pumping capacity of 650 gallons per minute. Hydrology staff is now finalizing the contract with Arizona Beeman Drilling. We anticipate drilling this summer.

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.

CAP Recharge Status – Forty-five percent of the 10,494 acre-feet (ac-ft) CAP water order has been recharged as of April 30, 2011. The District is 948 ac-ft ahead of its scheduled recharge. AVRVP is 462 ac-ft ahead. BKW Farms is 100 ac-ft ahead of schedule and Cortaro-Marana Irrigation District is 386 ac-ft ahead.

South Shannon Treatment System – As of May 31, 2011, approximately 42 million gallons of water has been treated since the fourteenth carbon change-out on March 2, 2011. Approximately 969 million gallons of water has been treated by the treatment system since its start up in July 2006. The 1st quarter reimbursement request of \$33,256.71 was submitted to ADEQ in late April and the payment was received in mid-May. For calendar year 2011, a total of \$33,256.71 has been received from ADEQ. Since 2000, \$613,797.06 has been reimbursed from ADEQ.

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, no comments received. 90% plans submitted to Pima County on May 9, 2011 and the District is awaiting comments.

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 but will not be complete until mid-June 2011.

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. Final plans were submitted to Pima County on June 3, 2011.

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.

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 (New Matter Well) – 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