

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

August 8, 2011

Monthly Status of the District – July 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.

July 2011 Report

Water Usage/Quality

Amount of Water Consumed in Metro Main

Month of July 2011 – 279,155,900 gallons
Same period last year – 287,748,700 gallons
Month of June 2011 – 244,955,000 gallons

Amount of Water Consumed in Metro Hub

Month of July 2011 – 31,820,700 gallons
Same period last year – 36,290,900 gallons
Month of June 2011 – 32,339,000 gallons

Amount of Water Consumed in Metro Southwest

Month of July 2011 – 11,416,500 gallons
Same period last year – 13,096,400 gallons
Month of June 2011 – 9,641,400 gallons

Amount of Water Recharged at AVR P

Month of July 2011 – 229,399,104 gallons
Same period last year – 136,531,569 gallons
Month of June 2011 – 225,965,100 gallons

Revenue Metered Sales Billed in July 2011 – Grand Total \$ 1,591,777.97

Metro Main – \$ 1,371,906.15
Metro Hub – \$ 156,064.21
Metro Southwest – \$ 63,807.61

Last Year Revenue Metered Sales Billed in July 2010 – Grand Total \$ 1,579,778.70

Metro Main – \$ 1,348,425.79
Metro Hub – \$ 164,097.46
Metro Southwest – \$ 67,255.45

Water Quality Samples

- 78 Microbiological samples taken from the distribution system.
- 37 Microbiological samples taken from the District's active wells.
- 70 Lab/field test samples for arsenic, nitrate, IOCs, metals, copper and lead, TTHMs and HAA5, 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 July 2011:

1. Continued with Diablo Village I treatment system.
2. Regenerated Hub 3, Vessel 2 media.
3. Repaired four water main breaks.
4. Replaced Lazy B, Vessel 2 media.
5. Pot-holed water main on McKain Rd.

PRV Inspections – 81

Valves Exercised – 0

Meter Replacement Program – 24 meters were replaced, 0 meters were rebuilt, 18 meters were tested (*no longer rebuilding meters, will begin reporting how many meters tested*)

New Meter Installs – 0

Customer Accounts

Total Customers – 19,797

Turn-on for New Accounts – 242

Delinquent Accounts – July 2011

Initial Shut Off Notices – 1159

Final Shut Offs – 74

High Consumption Contacts – 15

Service Orders & Work Orders – Total performed: 40

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

Metro Main - 32

Metro Hub - 0

Metro Southwest - 0

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

Metro Main - 8

Metro Hub - 0

Metro Southwest - 0

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 September or October.

Magee Trail Well – The District issued a notice to proceed to Arizona Beeman Drilling on July 20, 2011. On July 18, Golder Associates was given notice to proceed for assistance with well construction oversight and testing. Arizona Beeman installed surface casing and sanitary seal on July 25, 2011 and is expected to begin drilling the first of August. We are awaiting direction from Pima County about where to discharge the water produced during drilling, since Ashton does not want the water going into the Carmack Wash.

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.

AVRP Modification – Staff has received price quotes and bids for materials, trucking and borings to modify Basin 4. Work is scheduled to be completed the week of August 22, 2011.

CAP Recharge Status – Forty-five percent of the 10,494 acre-feet (ac-ft) CAP water order has been recharged as of May 31, 2011. The District is 948 ac-ft ahead of its scheduled recharge. AVRP is 462 ac-ft ahead. BKW Farms is 100 ac-ft ahead of schedule and Cortaro-Marana Irrigation District is 386 ac-ft ahead. Staff is preparing the 2012 storage agreements with BKW farms, Kai Farms and CMID.

South Shannon Treatment System – As of July 25, 2011, approximately 18 million gallons of water has been treated since the fifteenth carbon change-out on June 24, 2011. Just over 1 billion gallons of water has been treated by the treatment system since its start up in July 2006. For calendar year 2011, a total of \$41,955,98 has been received from

ADEQ. Since 2000, \$622,496.33 has been reimbursed from ADEQ. The 2nd quarter reimbursement request of \$8,699.27 was received from ADEQ on July 25, 2011.

Capital Improvement Program & Other Major Projects

Magee Road, Shannon Road to Thornydale Road and Shannon Road Transmission Main – 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 comments were received in mid-June 2011. Comments were addressed for final plan submittal on July 6, 2011. Staff is awaiting final Pima County approval.

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 comments were finally received in Mid-June 2011. After meeting with Pima County, the consultant addressed their comments and received final plan approval from Pima County on July 8, 2011. The bid process is scheduled to begin on August 8, 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 was not complete until late June 2011. The second milestone completion, Magee Road corridor from La Cholla Blvd. to Shannon Rd., is required to be complete by August 31, 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 and final comments were received July 1, 2011. Comments were

addressed for final plan submittal on July 6, 2011. Staff is awaiting final Pima County approval.

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. Design completion is expected in November 2011. The consultant submitted 60% plans for review in late July 2011. District staff is currently reviewing the submittal.

Riverside Well Improvements – Design of the well site improvements is being done by the District's Miscellaneous Design Consultant, EEC Engineering. Preliminary layout 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. The consultant submitted 30% plans for review July 2011. A neighborhood meeting was held on July 21, 2011.

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