

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

**July 11, 2011**

**Monthly Status of the District – June 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.

**June 2011 Report**

**Water Usage/Quality**

Amount of Water Consumed\* in Metro Main

Month of June 2011 – 244,955,000 gallons  
Same period last year – 239,860,400 gallons  
Month of May 2011 – 220,185,400 gallons

Amount of Water Consumed\* in Metro Hub

Month of June 2011 – 32,339,000 gallons  
Same period last year – 31,056,400 gallons  
Month of May 2011 – 25,642,200 gallons

Amount of Water Consumed\* in Metro Southwest

Month of June 2011 – 9,641,400 gallons  
Same period last year – 10,525,100 gallons  
Month of May 2011 – 9,117,200 gallons

*\*Please note the above change from amount of water **produced** to amount of water **consumed**.*

Amount of Water Recharged at AVRP

Month of June 2011 – 225,965,100 gallons  
Same period last year – 153,475,821 gallons  
Month of May 2011 – 135,520,056 gallons

Revenue Metered Sales Billed in June 2011 – Grand Total \$ 1,461,557.27

Metro Main – \$ 1,248,691.41  
Metro Hub – \$ 157,597.59  
Metro Southwest – \$ 55,268.27

Last Year Revenue Metered Sales Billed in May 2010 – Grand Total \$ 1,305,960.40  
Metro Main – \$ 1,108,516.45  
Metro Hub – \$ 138,007.02  
Metro Southwest – \$ 59,436.93

#### 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 June 2011:

1. Installation of Casas Adobes PRV.
2. GAC change out on Shannon Vessel 2.
3. Shut down of 24" transmission main for La Cholla work.
4. Repaired service line on Hospital Drive.
5. Installed mag meter at E&T 23.

PRV Inspections – 81

Valves Exercised – 0

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

New Meter Installs – 15

#### **Customer Accounts**

Total Customers – 19,974

Turn-on for New Accounts – 312

Delinquent Accounts – June 2011

Initial Shut Off Notices – 1,022

Final Shut Offs – 62

High Consumption Contacts – 25

Service Orders & Work Orders – Total performed: 108

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

Metro Main - 40  
Metro Hub - 4  
Metro Southwest - 2  
Work Orders (generated by staff when a need to perform additional work is recognized):  
Metro Main - 24  
Metro Hub - 2  
Metro Southwest - 3

### **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 August or September.

**Magee Trail Well** – The contract has been signed by Arizona Beeman and is being reviewed by Lewis & Roca. The original bid now includes a one percent surcharge for fuel cost increases. Arizona Beeman has also offered to clear and grub the site for no extra cost even though it was not in their original scope. The District will wait to sign the contract until Pima County Board of Supervisors has approved the IGA which governs (and assures) funding for the project. On June 27, 2011, staff forwarded the well impact waiver from Ashton to ADWR and received the drilling permit on July 1<sup>st</sup>. Staff is negotiating the scope and fee with Golder Associates for assistance with well construction oversight and testing. We anticipate drilling after Pima County approves the IGA with the District on August 2, 2011.

**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 May 31, 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. Staff is preparing the 2012 storage agreements with BKW farms, Kai Farms and CMID.

**South Shannon Treatment System** – As of June 28, 2011, approximately 1.5 million gallons of water has been treated since the fifteenth carbon change-out on June 24, 2011. Approximately 984 million gallons of water has been treated by the treatment system since its start up in July 2006. 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. The 2<sup>nd</sup> quarter reimbursement request is being prepared for submittal to ADEQ.

### **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 are being addressed for final plan submittal by July 1, 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 comments were finally received in Mid-June 2011. After meeting with Pima County, the consultant is addressing comments and will submit final plans by July 1, 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 late 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 and comments were received in mid-June 2011. Comments are being addressed for final plan submittal by July 1, 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. 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.

**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. Preliminary layout plans were received from the consultant.

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