

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

**August 11, 2014**

**Monthly Status of the District – July 2014**

**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 2014 Report**

**Water Usage/Quality**

Amount of Water Consumed in Metro Main

FY 2015 Year to Date – 234,187,200 gallons

FY 2014 Year to Date – 236,956,400 gallons

Amount of Water Consumed in Metro Hub

FY 2015 Year to Date – 28,487,900 gallons

FY 2014 Year to Date – 36,479,300 gallons

Amount of Water Consumed in Metro Southwest

FY 2015 Year to Date – 12,630,100 gallons

FY 2014 Year to Date – 11,248,800 gallons

Revenue Metered Sales Billed in July 2014 – Grand Total \$ 1,571,534.16

Metro Main – \$ 1,354,912.11

Metro Hub – \$ 146,247.68

Metro Southwest – \$ 70,374.37

Last Year Revenue Metered Sales Billed in July 2013 – Grand Total \$ 1,519,708.17

Metro Main – \$ 1,302,193.04

Metro Hub – \$ 153,980.61

Metro Southwest – \$ 63,534.52

Water Quality Samples

87 Microbiological samples taken from the distribution system.

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

75 Lab/field test samples for Arsenic, Nitrate, IOCs, Metals, VOCs, DBPs, Lead and Copper.

### Status of Compliance with Regulatory Requirements

District is in compliance with its regulatory requirements.

### **System Maintenance**

#### Noteworthy Maintenance Projects and Major Repairs in July 2014:

1. Shannon GAC change out.
2. ADEQ inspection of Metro Main completed.
3. Prepared damaged ARV service at Casas Adobes shopping center.
4. Started VFD replacement at Magee La Cholla.
5. Repaired service line at 5559 Portugal Avenue.

PRV Inspections – 84

Valves Exercised – 0

Meter Replacements – 17

Meters Tested – 29

ERTs Replaced – 0

New Meter Applications – 11 total

Metro Main – 10

Metro Southwest – 1

### **Customer Accounts**

Total Customers – 20,198

New Accounts – 296

Delinquent Accounts – July 2014

Initial Shut Off Notices – 1,024

Final Shut Offs – 86

High Consumption Contacts – 169

Service Orders & Work Orders – Total performed: 207

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

Metro Main – 136

Metro Hub – 12

Metro Southwest – 10

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

Metro Main – 36

Metro Hub – 6

Metro Southwest – 7

### **Water Sustainability Projects**

**Avra Valley Recharge Project (AVRP)** – A total of 4,228 acre-feet was recharged at AVRP as of July 31, 2014 out of the 6,232 acre-feet scheduled for 2014.

Amount of Water Recharged at AVRP:

Month of June 2014 – 181,824,900 gallons  
Same period last year – 165,434,600 gallons  
Month of May 2014 – 246,995,100 gallons

**South Shannon Treatment System** – As of July 31, 2014, approximately 0.1 million gallons of water has been treated since the twenty-fourth carbon change-out on July 24, 2014. Since its startup in July 2006, 1.6 billion gallons of water have been treated by the treatment system. Since 2000, \$919,526.89 has been reimbursed from Arizona Department of Environmental Quality (ADEQ). Staff received the second quarter reimbursement of \$30,569.55 from ADEQ. The District provided ADEQ comments on the draft remedial objectives report that details the groundwater contamination within the State Superfund site. The report will be used in a Feasibility Study to help ADEQ determine a final cleanup remedy.

**Inter-AMA M&I CAP Firming** – Arizona Municipal Water Users Association (AMWUA) and Southern Arizona Water Users Association (SAWUA) has adopted a concept on how Tucson and Phoenix Municipal & Industrial (M&I) Central Arizona Project (CAP) subcontractors can have wet water during Colorado River shortages. The proposal would help the Arizona Water Banking Authority (ABWA) reach its M&I CAP water firming goal for the Tucson Active Management Area (AMA). During shortages, the Phoenix M&I CAP subcontractors would receive CAP water, deferred by Tucson users, while participating CAP subcontractors in Tucson would recover Maricopa's previously stored CAP water in Tucson. The City of Phoenix and the District have a final contract for the Board's consideration in September. Further updates are provided in the General Manager's Report. The City of Phoenix and the District will have a final contract for the Board's consideration in September.

**Hoover Power** – Staff submitted the application for D-1 Hoover Power to Western Area Power Administration (WAPA). WAPA has limited applicants to a maximum demand of 3 MW. This power supply could be beneficial for the District to reduce electrical costs at Metro Southwest – Diablo and for the AVRP recovery wells and booster station. The District's demand for all service areas is 3 MW (2.9 MW for Metro Main, Metro Hub, and Metro Southwest – E&T; 0.1 MW for Metro Southwest – Diablo Village. WAPA's decision on allocating the D-2 Hoover Power is expected in August. Staff has been tracking the Arizona Power Authority's process for D-2 Hoover Power and those applications are not expected until after WAPA decides on D-1.

**CMID Effluent Groundwater Savings Facility Project** – District staff met on August 5, 2014 with Cortaro-Marana Irrigation District (CMID) and Bureau of Reclamation staff to discuss and finalize language for an intergovernmental agreement among the three

parties as well as Pima County. The intergovernmental agreement has Pima County grant an easement at the Tres Rios Treatment Plant for a temporary pipeline to deliver recycled water to CMID's infrastructure, the District and Reclamation responsible for the capital cost of the easement, and CMID responsible for maintenance. The intergovernmental agreement is being finalized to send to Pima County. After receiving their comments, the agreement will be brought to the Board to consider approval.

**Recycled Water** – The District received its reclaimed water agent permit from ADEQ. The 5-year permit allows the District to deliver recycled water to Omni Tucson National Resort Golf Course. Omni is not expected to begin deliveries until September 2016.

**Metro Southwest – Diablo Village** – District staff have completed the modification applications to its Designation of Assured Water Supply and CAGR Member Service Area. Pomerol Land II, LLC is paying the \$7,000 in application fees.

### **Capital Improvement Program & Other Major Projects**

**Hub Well 1A Site Improvements (Fruchthendler Well)** – The District's Miscellaneous Design Consultant, EEC Engineering, completed the design of the project. Bidding on the project commenced on April 8, 2013. Bids were received on May 1, 2013. The construction contract was awarded to Innova Engineering during the May 13, 2013 meeting. Construction started on July 8, 2013 and is continuing. The contractor's original electrical subcontractor removed itself from the project and a replacement has been obtained by Innova Engineering. This delay, coupled with equipment delivery delays and Tucson Electric Power's schedule, will push the completion from December 2013 to August 2014. The Board approved a change order to complete the arsenic treatment system piping during the May 12, 2014 meeting. The arsenic treatment system piping was completed on July 30, 2014. Testing and start-up of all the site improvements are anticipated to be complete by late August 2014.

**Ranch House Estates Waterline Extension and Private Water Service Relocations** – Waterline Extension plans have been submitted to Pima County for review. All private service relocation agreements have been obtained except one.

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

Joseph Olsen, P.E.  
General Manager