

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

**September 8, 2014**

**Monthly Status of the District – August 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.

**August 2014 Report**

**Water Usage/Quality**

Amount of Water Consumed in Metro Main

FY 2015 Year to Date – 469,741,900 gallons

FY 2014 Year to Date – 482,768,900 gallons

Amount of Water Consumed in Metro Hub

FY 2015 Year to Date – 59,591,300 gallons

FY 2014 Year to Date – 67,327,900 gallons

Amount of Water Consumed in Metro Southwest

FY 2015 Year to Date – 24,466,400 gallons

FY 2014 Year to Date – 23,686,300 gallons

Revenue Metered Sales Billed in August 2014 – Grand Total \$ 1,578,404.45

Metro Main – \$ 1,346,918.02

Metro Hub – \$ 163,665.20

Metro Southwest – \$ 67,821.23

Last Year Revenue Metered Sales Billed in August 2013 – Grand Total \$ 1,577,075.10

Metro Main – \$ 1,353,498.76

Metro Hub – \$ 156,564.82

Metro Southwest – \$ 67,011.52

Water Quality Samples

81 Microbiological samples taken from the distribution system.

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

130 Lab/field test samples for Arsenic, Nitrate, IOCs, Metals, VOCs, SOCs, DBPs, Radiochemicals, Lead and Copper, and UCMR-3.

Status of Compliance with Regulatory Requirements  
District is in compliance with its regulatory requirements.

### **System Maintenance**

Noteworthy Maintenance Projects and Major Repairs in August 2014:

1. Replaced 40' of 6" transite mainline with ductile on Magee/Leonardo da Vinci.
2. Installed media in Hub 1A vessels.
3. Completed ADEQ inspections at Metro Hub and Metro Southwest.
4. Powered up new replacement VFDs at Magee La Cholla.
5. Weber replaced Thornydale Well discharge head.

PRV Inspections – 84

Valves Exercised – 0

Meter Replacements – 6

Meters Tested – 69

ERTs Replaced – 0

New Meter Applications – 7 total

Metro Main – 6

Metro Southwest – 1

### **Customer Accounts**

Total Customers – 20,253

New Accounts – 304

Delinquent Accounts – August 2014

Initial Shut Off Notices – 1,141

Final Shut Offs – 106

High Consumption Contacts – 155

Service Orders & Work Orders – Total performed: 209

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

Metro Main – 134

Metro Hub – 9

Metro Southwest – 12

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

Metro Main – 40

Metro Hub – 7

Metro Southwest – 7

### **Water Sustainability Projects**

**Avra Valley Recharge Project (AVRP)** – A total of 4,915 acre-feet was recharged at AVRP as of August 31, 2014 out of the 6,232 acre-feet scheduled for 2014.

Amount of Water Recharged at AVRP:

Month of August 2014 – 223,859,600 gallons  
Same period last year – 118,283,900 gallons  
Month of July 2014 – 181,824,900 gallons

**South Shannon Treatment System** – As of August 26, 2014, approximately 18.8 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).

**Inter-AMA M&I CAP Firming** – Inter-AMA M&I CAP Firming would help the Arizona Water Banking Authority (ABWA) reach its M&I CAP water firming goal for the Tucson Active Management Area (AMA). During Colorado River 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.

**Hoover Power** – Staff submitted the application for D-1 Hoover Power to Western Area Power Administration (WAPA). WAPA limited applicants to a maximum allocation of 3 MW. This power supply could be beneficial for the District to reduce electrical costs at Metro Southwest – Diablo. 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 allocated 0.105 MW to Metro. The 94% reduction was because of the number of applicants and their higher demand. Staff will now submit documentation to WAPA on Metro’s demand. WAPA is expected to have final allocations documented by the end of this year. The Arizona Power Authority will begin their allocation process for the Hoover D-2 pool in early 2015.

**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 granting 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. Presently, staff is coordinating for a September flow test in the north pipeline to confirm its usability and integrity.

**Metro Southwest – Diablo Village Recovery Well Permit** – Public comments on the draft permit closes August 30, 2014. If the Arizona Department of Water Resources does not receive any objections that the wells do not meet the requirements for use as recovery wells, then ADWR will issue the permit. The District will use the recovery wells to meet the Assured Water Supply rules by purchasing Long-Term Storage Credits from Metro Main for recovery.

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

**Ranch House Estates Waterline Extension and Private Water Service Relocations** – Still awaiting Pima County review of waterline extension plans. 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