

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

**July 14, 2014**

**Monthly Status of the District – June 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.

**June 2014 Report**

**Water Usage/Quality**

Amount of Water Consumed in Metro Main

Month of June 2014 – 238,448,100 gallons  
Same period last year – 255,918,900 gallons  
Month of May 2014 – 209,724,800 gallons  
FY13-14 Year to Date – 2,357,535,600 gallons  
FY12-13 Year to Date – 2,379,787,600 gallons

Amount of Water Consumed in Metro Hub

Month of June 2014 – 30,600,400 gallons  
Same period last year – 34,046,300 gallons  
Month of May 2014 – 30,633,000 gallons  
FY13-14 Year to Date – 286,857,500 gallons  
FY12-13 Year to Date – 276,383,600 gallons

Amount of Water Consumed in Metro Southwest

Month of June 2014 – 12,942,000 gallons  
Same period last year – 12,282,000 gallons  
Month of May 2014 – 10,179,900 gallons  
FY13-14 Year to Date – 120,999,200 gallons  
FY12-13 Year to Date – 114,042,000 gallons

Revenue Metered Sales Billed in June 2014 – Grand Total \$ 1,553,284.43

Metro Main – \$ 1,324,826.45  
Metro Hub – \$ 156,947.12  
Metro Southwest – \$ 71,510.86

Last Year Revenue Metered Sales Billed in June 2013 – Grand Total \$ 1,627,702.60

Metro Main – \$ 1,386,515.77  
Metro Hub – \$ 175,575.54

Metro Southwest – \$ 65,611.29

Water Quality Samples

- 81 Microbiological samples taken from the distribution system.
- 13 Microbiological samples taken from the District's active wells.
- 70 Lab/field test samples for Arsenic, Nitrate, IOCs, VOCs, DBPs, Lead and Copper, Radiochemicals, and SOCs.

Status of Compliance with Regulatory Requirements

District is in compliance with its regulatory requirements.

**System Maintenance**

Noteworthy Maintenance Projects and Major Repairs in June 2014:

1. Replaced pressure reducing valve at Ina CDO on distribution.
2. Replaced failed booster at Horizon Hills.
3. Repaired mainline at McKain and Old Nogales Highway.
4. Installed new media in DV1 treatment vessel.
5. Riverside well motor reinstalled and put in service.

PRV Inspections – 84

Valves Exercised – 0

Meter Replacements – 0

Meters Tested – 0

ERTs Replaced – 0

New Meter Applications – 11 total

Metro Main – 10

Metro Southwest – 1

**Customer Accounts**

Total Customers – 20,234

New Accounts – 267

Delinquent Accounts – June 2014

Initial Shut Off Notices – 631

Final Shut Offs – 83

High Consumption Contacts – 125

Service Orders & Work Orders – Total performed: 82

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

Metro Main – 41  
Metro Hub – 4  
Metro Southwest – 6  
Work Orders (generated by staff when a need to perform additional work is recognized):  
Metro Main – 17  
Metro Hub – 8  
Metro Southwest – 6

### **Water Sustainability Projects**

**Avra Valley Recharge Project (AVRP)** – A total of 3,670 acre-feet was recharged at AVRP as of June 30, 2014 out of the 6,232 acre-feet scheduled for 2014.

Amount of Water Recharged at AVRP:

Month of June 2014 – 176,285,400 gallons  
Same period last year – 202,353,500 gallons  
Month of May 2014 – 246,995,100 gallons

**South Shannon Treatment System** – As of June 23, 2014, approximately 41 million gallons of water has been treated since the twenty-third carbon change-out on April 29, 2014. Since its startup in July 2006, 1.5 billion gallons of water have been treated by the treatment system. Since 2000, \$888,957.34 has been reimbursed from Arizona Department of Environmental Quality (ADEQ). Staff submitted the second quarter reimbursement of \$30,569.55 to 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) have 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. Further updates are provided in the General Manager's Report.

**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 or September. Staff attended the recent Arizona Power Authority meetings and has commented on the Arizona Power Authority's draft allocation process for D-2 Hoover Power. This week, staff discussed those comments with the Authority's legal consultant and gave additional clarification regarding the District's authorities. Applications are not expected until early next year after WAPA decides on D-1.

**CMID Effluent Groundwater Savings Facility Project** – Cortaro-Marana Irrigation District (CMID), Metro Water District, and Bureau of Reclamation (BOR) met with Pima County on April 21<sup>st</sup> to seek consensus on the alignment for the permanent pipeline to take effluent from the Tres Rios Treatment plant to CMID's delivery line. A pressure flow connection to CMID was found as more economical for the District. The parties discussed installing a temporary pipeline to allow effluent to be delivered sooner to CMID. Pima County supported the temporary and permanent pipeline proposals. BOR is prepared a design drawing for Pima County's review. A letter of intent by BOR, CMID, and the District and a proposed pipeline alignment was submitted to Pima County in late June. BOR and staff have drafted an Intergovernmental Agreement between CMID, BOR, the District, and Pima County, which will be brought to the Board in the coming months.

### **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.

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