

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

**December 9, 2013**

**Monthly Status of the District – November 2013**

**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.

**November 2013 Report**

**Water Usage/Quality**

Amount of Water Consumed in Metro Main

Month of November 2013 – 203,755,300 gallons  
Same period last year – 211,477,100 gallons  
Month of October 2013 – 202,149,700 gallons  
FY13-14 Year to Date – 1,105,991,100 gallons  
FY12-13 Year to Date – 1,084,377,600 gallons

Amount of Water Consumed in Metro Hub

Month of November 2013 – 22,453,100 gallons  
Same period last year – 22,310,300 gallons  
Month of October 2013 – 23,697,500 gallons  
FY13-14 Year to Date – 134,034,300 gallons  
FY12-13 Year to Date – 124,149,200 gallons

Amount of Water Consumed in Metro Southwest

Month of November 2013 – 10,363,500 gallons  
Same period last year – 8,235,900 gallons  
Month of October 2013 – 9,808,200 gallons  
FY13-14 Year to Date – 53,178,700 gallons  
FY12-13 Year to Date – 49,033,600 gallons

Revenue Metered Sales Billed in November 2013 – Grand Total \$ 1,356,195.58

Metro Main – \$ 1,179,102.19  
Metro Hub – \$ 115,461.85  
Metro Southwest – \$ 61,631.54

Last Year Revenue Metered Sales Billed in November 2012 – Grand Total \$ 1,213,312.97

Metro Main – \$ 1,053,427.94

Metro Hub – \$ 105,715.18  
Metro Southwest – \$ 54,169.85

#### Water Quality Samples

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

#### Status of Compliance with Regulatory Requirements

District is in compliance with its regulatory requirements.

### **System Maintenance**

#### Noteworthy Maintenance Projects and Major Repairs in November 2013:

1. Pulled Ina CDO Well for maintenance.
2. Started well pull at Magee La Cholla. Pump is currently stuck.
3. Repaired water main Thanksgiving Day on Calle Lomita.
4. Removed Hub 3 vessel 3 media and took to Phoenix for regeneration.
5. Completed Alcott Well wiring and flushing well.

PRV Inspections – 84

Valves Exercised – 0

Meter Replacements – 0  
Meters Tested – 0

New Meter Installs – 32 total  
Metro Main – 24  
Metro Southwest – 8

### **Customer Accounts**

Total Customers – 19,946

Turn-on for New Accounts – 221

Delinquent Accounts – November 2013  
Initial Shut Off Notices – 1,206  
Final Shut Offs – 104

High Consumption Contacts – 70

Service Orders & Work Orders – Total performed: 111

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

Metro Main – 32  
Metro Hub – 18  
Metro Southwest – 14

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

Metro Main – 27  
Metro Hub – 9  
Metro Southwest – 11

### **Water Sustainability Projects**

**Avra Valley Recharge Project (AVRP)** – A total of 6,192 acre-feet was recharged at AVRP as of November 31, 2013 out of the 6,867 acre-feet scheduled for 2013. Staff installed a second round of boreholes on November 12 and 13, 2013 to further improve infiltration in Basin 4.

Amount of Water Recharged at AVRP:

Month of November 2013 – 122,845,800 gallons  
Same period last year – 0 gallons  
Month of October 2013 – 149,239,800 gallons

**South Shannon Treatment System** – As of November 26, 2013, approximately 40 million gallons of water has been treated since the twenty-first carbon change-out on August 14, 2013. Since its startup in July 2006, 1.4 billion gallons of water has been treated by the treatment system. Since 2000, \$827,250.40 has been reimbursed from ADEQ. Staff submitted the third quarter reimbursement request of \$32,668.84 to ADEQ. Staff presented on November 21, 2013 an update on the treatment system to ADEQ's public advisory committee. ADEQ anticipates releasing a draft remedial investigation report in January 2014 which will detail the groundwater contamination within the State Superfund site.

**Inter-AMA M&I CAP Firming** – Staff has been working with AMWUA and SAWUA to adopt a concept on how M&I CAP subcontractors can have wet water during Colorado River shortages. The proposal would help the Arizona Water Bank reach its M&I CAP water firming goal for the Tucson AMA. During shortages the Phoenix M&I CAP subcontractors would receive CAP water while participating CAP subcontractors in Tucson would recover the previously stored CAP water. AMWUA and SAWUA have mutually agreed on the proposal and will schedule a meeting with ADWR, CAWCD, and AWBA for a decision to support or not.

**Non-Indian Agricultural (NIA) Water CAP Application** – ADWR's decision on its NIA application for Metro Southwest – Diablo Village is expected in December. ADWR had 17 applications from municipal providers. The total volume requested was 93,979

AF. The CAGRD requested 34,629 AF which equaled the entire NIA water available. The District's application was for the second lowest volume (299 AF).

**Designation of Assured Water Supply** – ADWR notified the District that its application for Metro Southwest – Diablo Village is complete, and completed the public comment process with no objections. Approval by ADWR is pending until the District receives a member service area agreement from the Central Arizona Groundwater Replenishment District.

**CAP Wheeling Agreement** – Water Sustainability staff is assisting the General Manager on a CAP Wheeling Agreement with Tucson Water buy obtaining a CAP water storage permit and recovery well permit at Southern Avra Valley Recharge and Recovery project from ADWR.

**Aquifer Levels and Well Testing** – Water Sustainability (WS) staff, with the assistance of utility staff, have begun the annual round of static water level (SWL) measurements and specific capacity testing. SWL measurements enable the District to track the resource served to customers. Specific capacity testing reveals changes in productivity of individual supply wells. We have scheduled 61 SWL measurements in and around the District's service areas and 6 specific capacity tests at production wells. Additionally, WS staff will recalibrate pressure transducers and data loggers that continually monitor throughout Metro Main, Metro Hub, and Metro Southwest – Diablo service areas.

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

**Riverside Well Improvements** – Design of the well site improvements was completed by the District's Miscellaneous Design Consultant, EEC Engineering. Design was completed in July 2012. Bid advertisement began on November 19, 2012 and bids were received on December 19, 2012. The construction contract was awarded to the Ashton Company during the January 14, 2013 meeting. A pre-construction meeting was held on February 12, 2013. Construction started on March 18, 2013. Start-up testing was completed in October 2013. Project close-out is continuing. The excessive amount of air in the well water appears to be resolving itself. Staff continues to operate well at a lower flow rate without any air issues.

**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 recently been obtained by Innova Engineering. The delay due to this event will push the completion from December 2013 to March 2014.

**Freer/Camino de Sur Waterline** – Project plans have been updated and approved by Pima County. Contract documents and project schedule is ongoing.

**Oracle Road RTA Bus Pullouts** – The District will replace existing AC pipe with DIP as a precaution underneath proposed improvements. Design plans are complete and have been submitted to the Arizona Department of Transportation (ADOT) for review.

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,

Mark R. Stratton, P.E.  
General Manager