

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

November 13, 2013

Monthly Status of the District – October 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.

October 2013 Report

Water Usage/Quality

Amount of Water Consumed in Metro Main

Month of October 2013 – 202,149,700 gallons
Same period last year – 197,447,200 gallons
Month of September 2013 – 217,236,300 gallons
FY13-14 Year to Date – 902,235,800 gallons
FY12-13 Year to Date – 872,900,500 gallons

Amount of Water Consumed in Metro Hub

Month of October 2013 – 23,697,500 gallons
Same period last year – 23,162,200 gallons
Month of September 2013 – 26,556,400 gallons
FY13-14 Year to Date – 111,581,200 gallons
FY12-13 Year to Date – 101,838,900 gallons

Amount of Water Consumed in Metro Southwest

Month of October 2013 – 9,808,200 gallons
Same period last year – 8,796,800 gallons
Month of September 2013 – 9,320,700 gallons
FY13-14 Year to Date – 42,815,200 gallons
FY12-13 Year to Date – 40,797,700 gallons

Revenue Metered Sales Billed in September 2013 – Grand Total \$ 1,314,232.96

Metro Main – \$ 1,138,050.78
Metro Hub – \$ 115,805.22
Metro Southwest – \$ 60,376.96

Last Year Revenue Metered Sales Billed in September 2012 – Grand Total \$ 1,181,972.64

Metro Main – \$ 1,017,657.05

Metro Hub – \$ 108,632.82
Metro Southwest – \$ 55,682.77

Water Quality Samples

- 79 Microbiological samples taken from the distribution system.
- 6 Microbiological samples taken from the District's active wells.
- 92 Lab/field test samples for Arsenic, Nitrate, IOCs, Metals, VOCs, 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 October 2013:

1. System flushing on Calle del Media regarding sand issues.
2. Installed collector and repeater at Hub for fixed network.
3. Changed Arsenic treatment vessels at Lazy B.
4. Installed new water service on Camino del Fierro.
5. Repaired two service lines and two mainlines in Metro Southwest.

PRV Inspections – 84

Valves Exercised – 0

Meter Replacements – 12
Meters Tested – 0

New Meter Installs – 40 total
Metro Main – 12
Metro Southwest – 28

Customer Accounts

Total Customers – 19,993

Turn-on for New Accounts – 287

Delinquent Accounts – October 2013
Initial Shut Off Notices – 976
Final Shut Offs – 103

High Consumption Contacts – 37

Service Orders & Work Orders – Total performed: 183
Service Orders (generated from customers calling in with a problem):

Metro Main – 54
Metro Hub – 13
Metro Southwest – 13

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

Metro Main – 82
Metro Hub – 8
Metro Southwest – 13

Water Sustainability Projects

Avra Valley Recharge Project (AVRP) – A total of 5,753 acre-feet was recharged at AVRP as of October 31, 2013 out of the 7,117 acre-feet scheduled for 2013. Staff is installing a second round of boreholes on November 12, 2013 to further improve infiltration in Basin 4.

Amount of Water Recharged at AVRP:

Month of October 2013 – 149,239,800 gallons
Same period last year – 179,543,900 gallons
Month of September 2013 – 164,880,600 gallons

South Shannon Treatment System – As of October 29, 2013, approximately 35 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 is presenting on November 21, 2013 an update on the treatment system to ADEQ’s public advisory committee.

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.

Non-Indian Agricultural (NIA) Water CAP Application – ADWR’s decision on its NIA application for Metro Southwest – Diablo Village is expected in November. ADWR had 17 applications from municipal providers. The total volume requested was 93,979 AF. The CAGRDR 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 began the public comment

process. Objections are due to ADWR by November 15, 2013. The District has up to 60 days to respond and resolve any objections.

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 new well is producing an excessive amount of air which is receiving numerous customer complaints. Staff is continuing to evaluate the matter.

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.

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