

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

March 10, 2014

Monthly Status of the District – February 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.

February 2014 Report

Water Usage/Quality

Amount of Water Consumed in Metro Main

Month of February 2014 – 160,497,000 gallons
Same period last year – 159,299,000 gallons
Month of January 2014 – 155,615,500 gallons
FY13-14 Year to Date – 1,580,774,800 gallons
FY12-13 Year to Date – 1,581,819,300 gallons

Amount of Water Consumed in Metro Hub

Month of February 2014 – 16,479,600 gallons
Same period last year – 16,805,400 gallons
Month of January 2014 – 17,678,100 gallons
FY13-14 Year to Date – 184,422,800 gallons
FY12-13 Year to Date – 178,553,100 gallons

Amount of Water Consumed in Metro Southwest

Month of February 2014 – 8,570,300 gallons
Same period last year – 9,131,200 gallons
Month of January 2014 – 9,407,700 gallons
FY13-14 Year to Date – 79,280,200 gallons
FY12-13 Year to Date – 74,683,400 gallons

Revenue Metered Sales Billed in February 2014 – Grand Total \$ 1,127,014.42

Metro Main – \$ 982,618.83
Metro Hub – \$ 86,831.76
Metro Southwest – \$ 57,563.83

Last Year Revenue Metered Sales Billed in February 2013 – Grand Total \$ 1,072,996.39

Metro Main – \$ 932,156.49
Metro Hub – \$ 84,735.44

Metro Southwest – \$ 56,104.46

Water Quality Samples

- 81 Microbiological samples taken from the distribution system.
- 30 Microbiological samples taken from the District's active wells.
- 70 Lab/field test samples for Arsenic, Nitrate, IOCs, 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 February 2014:

1. Installed 12" valve on Lattamore 12" line.
2. Repaired 4" mainline on Old Nogales Highway.
3. Removed generator from Bell Well site.
4. Continued large meter testing.
5. Well Maintenance: Wanda, Magee to La Cholla, E&T 23, Ina CDO.

PRV Inspections – 84

Valves Exercised – 40

Meter Replacements – 4

Meters Tested – 5

ERTs Replaced – 1

New Meter Applications – 20 total

Metro Main – 7

Metro Southwest – 13

Customer Accounts

Total Customers – 20,084

Turn-on for New Accounts – 245

Delinquent Accounts – February 2014

Initial Shut Off Notices – 1087

Final Shut Offs – 100

High Consumption Contacts – 69

Service Orders & Work Orders – Total performed: 132

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

Metro Main – 52
Metro Hub – 7
Metro Southwest – 28
Work Orders (generated by staff when a need to perform additional work is recognized):
Metro Main – 35
Metro Hub – 6
Metro Southwest – 4

Water Sustainability Projects

Avra Valley Recharge Project (AVRP) – A total of 901 acre-feet was recharged at AVRP as of February 28, 2014 out of the 6,502 acre-feet scheduled for 2014. A total of 270 acre-feet were rescheduled for storage at Cortaro-Marana Irrigation District's Groundwater Savings Facility because of an unexpected shutdown by CAP of the CAP canal. This will save the District \$7,411.

Amount of Water Recharged at AVRP:

Month of February 2014 – 142,071,000 gallons
Same period last year – 210,499,800 gallons
Month of January 2014 – 152,172,400 gallons

2013 Annual Reports – Staff has continued completing the annual Groundwater Withdrawal and Use reports for its five service areas. Additionally, staff will complete the CAGRD reports, recharge report, and recovery well report. Water losses for 2013 at Metro Main, Metro Hub, Metro Southwest–Diablo Village, and Metro Southwest–E&T were respectively 5.5%, 3.7%, 5.8% and 5.9%, which are each below ADWR's 10% regulatory requirement.

South Shannon Treatment System – As of February 25, 2014, approximately 24 million gallons of water has been treated since the twenty-second carbon change-out on January 16, 2014. Since its startup in July 2006, 1.4 billion gallons of water have been treated by the treatment system. Since 2000, \$859,919.24 has been reimbursed from ADEQ. Staff received the fourth quarter reimbursement of \$7,742.15 from ADEQ. The District is still awaiting ADEQ's draft remedial investigation report that will detail the groundwater contamination within the State Superfund site to help ADEQ determine a final cleanup remedy.

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 deferred by Tucson users while participating CAP subcontractors in Tucson would recover Maricopa's previously stored CAP water in Tucson. AMWUA and SAWUA have mutually agreed on the proposal. ADWR, CAWCD, and AWBA staff is supportive of the AMWUA and SAWUA proposal. Staff is

now working on a draft agreement between Phoenix and Tucson M&I CAP subcontractors for storage in 2015.

Designation of Assured Water Supply – ADWR issued for Metro Southwest–Diablo Village a Designation of Assured Water Supply (DAWS). Pomerol Land II, LLC has requested the DAWS be modified to include Pomegranate Farms. More details can be found in the Board Report.

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

Hoover Power – Staff is working on the application for D-1 Hoover Power to Western Area Power Administration (WAPA). Applications are due March 31, 2014. 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 AVRPP recovery wells and booster station. The District’s demand for all service areas is 4 MW.

CMID Effluent Groundwater Savings Facility Project – ADOT repaired the pipeline blockage in the I-10 right of way the week of January 6th. Metro, CMID, and the Bureau of Reclamation (BOR) met with Pima County on February 10th to discuss the interconnect on Pima County’s property. Staff met with CMID and BOR on the next steps and agreed to obtain an easement from Pima County as soon as possible. The parties are also investigating the possibility of first installing a temporary pipeline to allow effluent to be delivered sooner to CMID. As noted at the February meeting, as this project develops, reports and request for action will be coming to the Board.

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, will push the completion from December 2013 to May 2014.

Freer/Camino de Sur Waterline – A separate report regarding this construction project is on the agenda for the March 10, 2014 Board meeting.

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. The District has reviewed bids utilizing the City of Tucson job-order-contract for main replacements. The Board approved the cost proposal from Action Pipeline in the amount of \$40,600 during their January 13, 2014 Board meeting. The District is still awaiting the issuance of the ADOT permit before work can commence.

Hub 1A Arsenic Treatment System – Plans are being prepared for the installation of the Arsenic Treatment System. Vessel acquisition has already commenced following WIFA and Board approval. Plans are necessary to obtain ADEQ Approval to Construct and Approval of Construction.

Hub 3 Arsenic Treatment Vessel Replacement – Vessel acquisition has already commenced following WIFA and Board approval. Plans are being prepared to obtain ADEQ Approval to Construct and Approval of Construction.

Diablo/Arsenic Treatment Vessel Addition – Vessel acquisition has already commenced following WIFA and Board approval. Plans are being prepared to obtain ADEQ Approval to Construct and Approval of Construction.

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