

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

January 13, 2014

Monthly Status of the District – December 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.

December 2013 Report

Water Usage/Quality

Amount of Water Consumed in Metro Main

Month of December 2013 – 158,752,100 gallons
Same period last year – 186,105,500 gallons
Month of November 2013 – 203,755,300 gallons
FY13-14 Year to Date – 1,264,741,800 gallons
FY12-13 Year to Date – 1,270,485,900 gallons

Amount of Water Consumed in Metro Hub

Month of December 2013 – 16,230,200 gallons
Same period last year – 19,980,200 gallons
Month of November 2013 – 22,453,100 gallons
FY13-14 Year to Date – 150,266,200 gallons
FY12-13 Year to Date – 144,129,700 gallons

Amount of Water Consumed in Metro Southwest

Month of December 2013 – 8,123,500 gallons
Same period last year – 9,462,300 gallons
Month of November 2013 – 10,363,500 gallons
FY13-14 Year to Date – 61,302,200 gallons
FY12-13 Year to Date – 58,477,700 gallons

Revenue Metered Sales Billed in December 2013 – Grand Total \$ 1,120,256.19

Metro Main – \$ 977,849.88
Metro Hub – \$ 87,051.43
Metro Southwest – \$ 55,354.88

Last Year Revenue Metered Sales Billed in December 2012 – Grand Total \$ 1,190,855.84

Metro Main – \$ 1,032,988.83

Metro Hub – \$ 101,669.13
Metro Southwest – \$ 56,197.88

Water Quality Samples

- 80 Microbiological samples taken from the distribution system.
- 8 Microbiological samples taken from the District's active wells.
- 60 Lab/field test samples for Arsenic, Nitrate, IOCs, Metals, VOCs, 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 December 2013:

1. Painted boosters, well, and piping at Hardy facility.
2. Weber water resources brushed and bailed at Ina/CDO Well.
3. Repaired main break in Metro Southwest on Terry Lane.
4. Relocated DVA on La Canada due to road project.
5. Replaced PRV on Lucero due to failure.

PRV Inspections – 84

Valves Exercised – 0

Meter Replacements – 0

Meters Tested – 3

ERTs Replaced – 60

New Meter Installs – 108 total

Metro Main – 97

Metro Southwest – 21

Customer Accounts

Total Customers – 20,011

Turn-on for New Accounts – 313

Delinquent Accounts – December 2013

Initial Shut Off Notices – 749

Final Shut Offs – 78

High Consumption Contacts – 25

Service Orders & Work Orders – Total performed: 85

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

Metro Main – 32

Metro Hub – 8

Metro Southwest – 8

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

Metro Main – 25

Metro Hub – 6

Metro Southwest – 6

Water Sustainability Projects

Avra Valley Recharge Project (AVRP) – A total of 6,685 acre-feet was recharged at AVRP as of December 29, 2013 out of the 6,685 acre-feet scheduled for 2013.

Amount of Water Recharged at AVRP:

Month of December 2013 – 180,847,300 gallons

Same period last year – 136,857,420 gallons

Month of November 2013 – 122,845,800 gallons

2013 CAP Storage – The District fully stored its entire CAP allocation of 13,460 acre-feet (AF) in 2013 at AVRP (6,685 AF), Lower Santa Cruz Replenishment Project (432 AF), CMID GSF (5,243 AF), Kai Red Rock GSF (1,000 AF) and BKW Farms GSF (100 AF).

South Shannon Treatment System – As of December 30, 2013, approximately 46 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, \$859,919.24 has been reimbursed from ADEQ. Staff received the third quarter reimbursement of \$32,668.84 from ADEQ and is preparing the fourth quarter submittal. 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 met with ADWR, CAWCD, and AWBA staff to present it. The three agencies appear supportive of AMWUA and SAWUA forwarding the proposal to their agencies.

Non-Indian Agricultural (NIA) Water CAP Application – ADWR’s decision on its NIA application for Metro Southwest – Diablo Village is expected the week of January 6th. ADWR had 17 applications from municipal providers. The total volume requested was 93,979 AF. The CAGR 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 (MSA) agreement from the Central Arizona Groundwater Replenishment District. The MSA agreement is on CAWCD’s Board consent agenda for January 9, 2014.

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. Staff has requested a consent to store letter from Tucson Water and drafted a permit application for 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 completed 34 of the 61 SWL measurements in and around the District’s service areas and 1 of the 6 specific capacity tests at production wells. Additionally, WS staff has recalibrated 5 of the 7 pressure transducers and data loggers that continually monitor throughout Metro Main, Metro Hub, and Metro Southwest – Diablo service areas.

Hoover Power – Staff has received notification from Western Area Power Administration (WAPA) that applications for the D-1 pool of Hoover Power 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 AVRFP recovery wells and booster station.

CMID Effluent GSF – ADOT has notified CMID that a contractor will repair the pipeline blockage in the I-10 right of way the week of January 6th. Metro, CMID, and the Bureau of reclamation are meeting the week after to discuss the interconnect on Pima County’s property.

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 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. Advertising for the construction contract to commence in January 2014 with award in March 2014.

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. Board authorization to proceed scheduled for January 2014 meeting.

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 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,

Mark R. Stratton, P.E.
General Manager