

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

February 10, 2014

Monthly Status of the District – January 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.

January 2014 Report

Water Usage/Quality

Amount of Water Consumed in Metro Main

Month of January 2014 – 155,615,500 gallons
Same period last year – 152,034,400 gallons
Month of December 2013 – 158,752,100 gallons
FY13-14 Year to Date – 1,420,357,300 gallons
FY12-13 Year to Date – 1,422,520,300 gallons

Amount of Water Consumed in Metro Hub

Month of January 2014 – 17,678,100 gallons
Same period last year – 17,618,000 gallons
Month of December 2013 – 16,230,200 gallons
FY13-14 Year to Date – 167,944,300 gallons
FY12-13 Year to Date – 161,747,700 gallons

Amount of Water Consumed in Metro Southwest

Month of January 2014 – 9,407,700 gallons
Same period last year – 7,074,500 gallons
Month of December 2013 – 8,123,500 gallons
FY13-14 Year to Date – 70,709,900 gallons
FY12-13 Year to Date – 65,552,200 gallons

Revenue Metered Sales Billed in January 2014 – Grand Total \$ 1,118,001.83

Metro Main – \$ 966,746.98
Metro Hub – \$ 92,062.79
Metro Southwest – \$ 59,192.06

Last Year Revenue Metered Sales Billed in January 2013 – Grand Total \$ 1,040,999.57

Metro Main – \$ 901,967.61
Metro Hub – \$ 88,844.81

Metro Southwest – \$ 50,187.15

Water Quality Samples

- 81 Microbiological samples taken from the distribution system.
- 11 Microbiological samples taken from the District's active wells.
- 58 Lab/field test samples for Arsenic, Nitrate, IOCs, and VOCs.

Status of Compliance with Regulatory Requirements

District is in compliance with its regulatory requirements.

System Maintenance

Noteworthy Maintenance Projects and Major Repairs in January 2014:

1. Repair 4" mainline on Portugal Circle.
2. Painted pressure tanks, well pumps, and piping at New Linda Vista, Alcott, & Meredith.
3. Valve and piping adjustments for Shannon to DeConcini bleeding.
4. Repair 4" mainline on Old Nogales Highway.
5. Repaired damaged DVA on Los Alamos.

PRV Inspections – 84

Valves Exercised – 0 (*Valve Program to move forward in February*)

Meter Replacements – 160

Meters Tested – 0

ERTs Replaced – 0

New Meter Installs – 19 total

Metro Main – 2

Metro Southwest – 17

Customer Accounts

Total Customers – 20,047

Turn-on for New Accounts – 210

Delinquent Accounts – January 2014

Initial Shut Off Notices – 1,439

Final Shut Offs – 102

High Consumption Contacts – 42

Service Orders & Work Orders – Total performed: 133

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

Metro Main – 63

Metro Hub – 7
Metro Southwest – 31
Work Orders (generated by staff when a need to perform additional work is recognized):
Metro Main – 22
Metro Hub – 8
Metro Southwest – 2

Water Sustainability Projects

Avra Valley Recharge Project (AVRP) – A total of 467 acre-feet was recharged at AVRP as of January 31, 2014 out of the 6,502 acre-feet scheduled for 2014.

Amount of Water Recharged at AVRP:

Month of January 2014 – 152,172,400 gallons
Same period last year – 214,279,618 gallons
Month of December 2013 – 180,847,300 gallons

2013 Annual Reports – Staff has begun completing the annual Groundwater Withdrawal and Use reports for its five service areas. Additionally, staff will complete the CAGRDR reports, recharge report, and recovery well report. Customer deliveries for 2013 to Metro Main, Metro Hub, and Metro Southwest compared to 2012 were -1.1%, +1.1%, and +6.6%, respectively.

South Shannon Treatment System – As of January 27, 2014, approximately 3 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 submitted the fourth quarter reimbursement from ADEQ. ADEQ anticipates releasing a draft remedial investigation report in March 2014 which 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 are supportive of AMWUA and SAWUA are now formally sending forwarding the proposal to those agencies.

Designation of Assured Water Supply (DAWS) – ADWR notified the District that its application for Metro Southwest – Diablo Village is complete, and the public comment process had no objections. The District received approval by CAWCD’s Board for a

member service area (MSA) agreement with the Central Arizona Groundwater Replenishment District. ADWR has provided a draft decision for the Designation including Pomegranate Farms into the DAWS.

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 submitted a water storage permit application for ADWR and is working on the recovery well permit application with Tucson Water.

Aquifer Levels and Well Testing – Water Sustainability (WS) staff, with the assistance of utility staff, have completed 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 the 61 SWL measurements in and around the District's service areas and the 6 specific capacity tests at production wells. Additionally, WS staff has recalibrated all of the 7 pressure transducers and data loggers that continually monitor throughout Metro Main, Metro Hub, and Metro Southwest – Diablo service areas. Results will be shared with the Board in March.

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 AVRVP recovery wells and booster station. More details can be found in the Board Report.

CMID Effluent GSF – ADOT repaired the pipeline blockage in the I-10 right of way the week of January 6th. Metro, CMID, and the Bureau of Reclamation are meeting with Pima County on February 10th to discuss the interconnect on Pima County's property. Staff has prepared a Board Report that outlines the Project status and issues being addressed.

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 and equipment delivery delays will push the completion from December 2013 to May 2014.

Freer/Camino de Sur Waterline – Project plans have been updated and approved by Pima County. Advertising for the construction contract commenced on January 13, 2014 with the award to be scheduled 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 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 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