

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

May 12, 2014

Monthly Status of the District – April 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.

April 2014 Report

Water Usage/Quality

Amount of Water Consumed in Metro Main

Month of April 2014 – 174,812,000 gallons
Same period last year – 182,013,900 gallons
Month of March 2014 – 155,303,000 gallons
FY13-14 Year to Date – 1,910,889,800 gallons
FY12-13 Year to Date – 1,911,106,100 gallons

Amount of Water Consumed in Metro Hub

Month of April 2014 – 23,759,500 gallons
Same period last year – 21,824,500 gallons
Month of March 2014 – 17,441,800 gallons
FY13-14 Year to Date – 225,624,100 gallons
FY12-13 Year to Date – 233,399,500 gallons

Amount of Water Consumed in Metro Southwest

Month of April 2014 – 10,919,300 gallons
Same period last year – 9,036,900 gallons
Month of March 2014 – 7,677,800 gallons
FY13-14 Year to Date – 97,877,300 gallons
FY12-13 Year to Date – 90,744,800 gallons

Revenue Metered Sales Billed in April 2014 – Grand Total \$ 1,223,775.58

Metro Main – \$ 1,039,401.09
Metro Hub – \$ 120,312.01
Metro Southwest – \$ 64,062.48

Last Year Revenue Metered Sales Billed in April 2013 – Grand Total \$ 1,187,912.99

Metro Main – \$ 1,024,900.23
Metro Hub – \$ 108,055.09

Metro Southwest – \$ 54,957.67

Water Quality Samples

- 81 Microbiological samples taken from the distribution system.
- 15 Microbiological samples taken from the District's active wells.
- 56 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 April 2014:

1. GAC change-out at South Shannon.
2. Bell Well site decommission.
3. Repaired mainline due to contractor hit on Shannon.
4. Well maintenance completed at E&T #23.
5. Well maintenance completed at the Wanda Well.

PRV Inspections – 84

Valves Exercised – 0

Meter Replacements – 3

Meters Tested – 0

ERTs Replaced – 7

New Meter Applications – 18 total

Metro Main – 11

Metro Southwest – 7

Customer Accounts

Total Customers – 20,235

New Accounts – 271

Delinquent Accounts – April 2014

Initial Shut Off Notices – 794

Final Shut Offs – 97

High Consumption Contacts – 28

Service Orders & Work Orders – Total performed: 128

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

Metro Main – 68

Metro Hub – 2
Metro Southwest – 11
Work Orders (generated by staff when a need to perform additional work is recognized):
Metro Main – 33
Metro Hub – 7
Metro Southwest – 7

Water Sustainability Projects

Avra Valley Recharge Project (AVRP) – A total of 2,371 acre-feet was recharged at AVRP as of April 30, 2014 out of the 6,232 acre-feet scheduled for 2014.

Amount of Water Recharged at AVRP:

Month of April 2014 – 229,399,100 gallons
Same period last year – 213,367,200 gallons
Month of March 2014 – 249,601,900 gallons

South Shannon Treatment System – As of April 28, 2014, approximately 70 million gallons of water has been treated since the twenty-second carbon change-out on January 16, 2014. Since its startup in July 2006, 1.5 billion gallons of water have been treated by the treatment system. The twenty-third carbon change-out occurred on April 29, 2014. Since 2000, \$859,919.24 has been reimbursed from Arizona Department of Environmental Quality (ADEQ). Staff has submitted the first quarter reimbursement for submittal to ADEQ. The District received ADEQ’s draft remedial investigation report that details the groundwater contamination within the State Superfund site to help ADEQ determine a final cleanup remedy. Comments are due to ADEQ on May 17, 2014.

Inter-AMA M&I CAP Firming – Arizona Municipal Water Users Association (AMWUA) and Southern Arizona Water Users Association (SAWUA) has adopted a concept on how Tucson and Phoenix Municipal & Industrial (M&I) Central Arizona Project (CAP) subcontractors can have wet water during Colorado River shortages. The proposal would help the Arizona Water Banking Authority (ABWA) reach its M&I CAP water firming goal for the Tucson Active Management Area (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. Tucson Water, Metro Water, and City of Phoenix Water Department will meet on May 12, 2014 with Central Arizona Water Conservation District (CAWCD) ADWR and AWBA on the pilot phase of the AMWUA and SAWUA proposal in 2014 and 2015. Staff is reviewing a draft storage and recovery agreement between the City of Phoenix and the District.

Modification to Designation of Assured Water Supply – Staff has scheduled a pre-application meeting on June 4, 2014 with the Arizona Department of Water Resources (ADWR) to modify the Metro Southwest–Diablo Village a Designation of Assured Water Supply (DAWS) to include Pomegranate Farms.

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 at Southern Avra Valley Recharge and Recovery project from ADWR and a recovery well permit for Metro Southwest – Diablo Village wells. ADWR is processing the recovery well permit, but the water storage permit is on hold by ADWR.

Hoover Power – Staff has submitted the application for D-1 Hoover Power to Western Area Power Administration (WAPA). 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 AVRP recovery wells and booster station. The District's demand for all service areas is 3 MW (2.9 MW for Metro Main, Metro Hub, and Metro Southwest – E&T; 0.1 MW for Metro Southwest – Diablo Village. WAPA's decision on allocating the D-2 Hoover Power is expected this Fall.

CMID Effluent Groundwater Savings Facility Project – Cortaro-Marana Irrigation District (CMID), Metro Water District, and Bureau of Reclamation (BOR) met with Pima County on April 21st to seek consensus on the alignment for the permanent pipeline to take effluent from the Tres Rios Treatment plant to CMID's delivery line. A pressure flow connection to CMID was found as more economical for the District. The parties also discussed the possibility of first installing a temporary pipeline to allow effluent to be delivered sooner to CMID. Pima County supported the temporary and permanent pipeline proposals. BOR is preparing a design drawing for Pima County's review and drafting an Intergovernmental Agreement between CMID, BOR, the District, and Pima County. As this project develops, reports and request for action will be coming to the Board.

Long Range Water Resources Plan – The General Manager has directed Water Sustainability staff to complete a Long Range Water Resources Plan for the District's six service areas. The plan will cover 5, 10, and 15 years. Staff hopes to have a draft plan by the end of the year.

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 June 2014. With the delivery on the arsenic vessels soon, staff has prepared a change order to complete the treatment system for the Board's consideration on May 12, 2014.

Freer/Camino de Sur Waterline – The construction contract was awarded to Innova Engineering during the March 10, 2014 Board meeting. Construction started on April 21, 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. The Board approved the cost proposal from Action Pipeline in the amount of \$40,600 during their January 13, 2014 Board meeting. The ADOT permit was received on April 3, 2014 and construction started on April 8, 2014. Construction was completed on April 23, 2014.

Hub 1A Arsenic Treatment System – Plans, specifications, and operation and maintenance manuals completed and submitted to Pima Department of Environmental Quality (PDEQ). Vessel acquisition has already commenced following WIFA and Board approval. Vessels have been completed and scheduled for delivery to Hub 1A the week of April 28, 2014.

Hub 3 Arsenic Treatment Vessel Replacement – Vessel acquisition has already commenced following WIFA and Board approval. Plans are completed and ready for submittal to PDEQ if required. Vessels have been completed and scheduled for delivery the week of April 28, 2014.

Diablo/Arsenic Treatment Vessel Addition – Vessel acquisition has already commenced following WIFA and Board approval. Plans, specifications, and operation and maintenance manual prepared and submitted to PDEQ. An approval to construct has been received from PDEQ. Manufacturing of the vessel is continuing.

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