

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

April 14, 2014

Monthly Status of the District – March 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.

March 2014 Report

Water Usage/Quality

Amount of Water Consumed in Metro Main

Month of March 2014 – 155,303,000 gallons
Same period last year – 147,274,600 gallons
Month of February 2014 – 160,497,000 gallons
FY13-14 Year to Date – 1,736,077,800 gallons
FY12-13 Year to Date – 1,729,092,200 gallons

Amount of Water Consumed in Metro Hub

Month of March 2014 – 17,441,800 gallons
Same period last year – 15,402,900 gallons
Month of February 2014 – 16,479,000 gallons
FY13-14 Year to Date – 201,864,600 gallons
FY12-13 Year to Date – 211,575,000 gallons

Amount of Water Consumed in Metro Southwest

Month of March 2014 – 7,677,800 gallons
Same period last year – 7,024,500 gallons
Month of February 2014 – 8,570,300 gallons
FY13-14 Year to Date – 86,958,000 gallons
FY12-13 Year to Date – 81,707,900 gallons

Revenue Metered Sales Billed in March 2014 – Grand Total \$ 1,111,453.44

Metro Main – \$ 966,577.01
Metro Hub – \$ 90,318.14
Metro Southwest – \$ 54,558.29

Last Year Revenue Metered Sales Billed in March 2013 – Grand Total \$ 1,019,199.71

Metro Main – \$ 891,031.09
Metro Hub – \$ 78,135.73

Metro Southwest – \$ 50,032.89

Water Quality Samples

- 96 Microbiological samples taken from the distribution system.
- 14 Microbiological samples taken from the District's active wells.
- 48 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 March 2014:

1. Shannon to Deconcini system adjustments completed for blending.
2. Repair 2" service line at Tohono Chul Park.
3. Herb Johnson VFD replacements completed.
4. Brush & bail of E&T 23 and Wanda Wells.
5. Shut down and highline apartment complex for tie-ins on Orange Grove.

PRV Inspections – 84

Valves Exercised – 50

Meter Replacements – 0

Meters Tested – 14

ERTs Replaced – 0

New Meter Applications – 24 total

Metro Main – 14

Metro Southwest – 10

Customer Accounts

Total Customers – 20,206

New Accounts – 254

Delinquent Accounts – March 2014

Initial Shut Off Notices – 1,044

Final Shut Offs – 101

High Consumption Contacts – 69

Service Orders & Work Orders – Total performed: 142

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

Metro Main – 71

Metro Hub – 7
Metro Southwest – 9
Work Orders (generated by staff when a need to perform additional work is recognized):
Metro Main – 31
Metro Hub – 5
Metro Southwest – 19

Water Sustainability Projects

Avra Valley Recharge Project (AVRP) – A total of 1,667 acre-feet was recharged at AVRP as of March 31, 2014 out of the 6,232 acre-feet scheduled for 2014.

Amount of Water Recharged at AVRP:

Month of March 2014 – 249,601,900 gallons
Same period last year – 244,062,400 gallons
Month of February 2014 – 142,071,000 gallons

2013 Annual Reports – Staff has completed and submitted the annual Groundwater Withdrawal and Use reports for its five service areas. Additionally, staff completed and submitted the Central Arizona Groundwater Replenishment District (CAGR) reports, recharge report, and recovery well report.

South Shannon Treatment System – As of March 25, 2014, approximately 45 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. Since 2000, \$859,919.24 has been reimbursed from Arizona Department of Environmental Quality (ADEQ). Staff is preparing 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 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 met on March 26, 2014 with Central Arizona Water Conservation District (CAWCD) on the pilot phase of the AMWUA and SAWUA proposal. The Tucson parties will now meet with Arizona Water Banking Authority (AWBA) to discuss storage in 2015.

Designation of Assured Water Supply – Arizona Department of Water Resources (ADWR) issued for Metro Southwest–Diablo Village a Designation of Assured Water Supply (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 at Southern Avra Valley Recharge and Recovery project from ADWR and a recovery well permit for Metro Southwest – Diablo Village wells.

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 AVRPP 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).

CMID Effluent Groundwater Savings Facility Project – Cortaro-Marana Irrigation District (CMID), Metro Water District, and Bureau of Reclamation met April 1st to decide on the alignment for the permanent pipeline to take effluent from the Tres Rios Treatment plant to CMID's delivery line and if gravity or pressure flow is more economical. The parties also discussed the possibility of first installing a temporary pipeline to allow effluent to be delivered sooner to CMID. The parties plan to meet with Pima County in April on the temporary and permanent pipeline proposals. Staff did submit a grant application for \$30,000 to Arizona Water Infrastructure Finance Authority (WIFA). The WIFA Board decides on the grant awards on April 30th. 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 – The construction contract was awarded to Innova Engineering during the March 10, 2014 Board meeting. Construction is anticipated to start in late April 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 District is still awaiting the issuance of the ADOT permit before work can commence.

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. Awaiting receipt of the approval to construct.

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.

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 to obtain an approval to construct.

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