

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

June 9, 2014

Monthly Status of the District – May 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.

May 2014 Report

Water Usage/Quality

Amount of Water Consumed in Metro Main

Month of May 2014 – 210,903,200 gallons
Same period last year – 212,762,300 gallons
Month of April 2014 – 174,812,000 gallons
FY13-14 Year to Date – 2,121,784,100 gallons
FY12-13 Year to Date – 2,123,868,400 gallons

Amount of Water Consumed in Metro Hub

Month of May 2014 – 30,633,000 gallons
Same period last year – 26,557,300 gallons
Month of April 2014 – 23,759,500 gallons
FY13-14 Year to Date – 256,257,100 gallons
FY12-13 Year to Date – 259,956,800 gallons

Amount of Water Consumed in Metro Southwest

Month of May 2014 – 10,179,900 gallons
Same period last year – 11,269,000 gallons
Month of April 2014 – 10,919,300 gallons
FY13-14 Year to Date – 108,250,200 gallons
FY12-13 Year to Date – 91,871,700 gallons

Revenue Metered Sales Billed in May 2014 – Grand Total \$ 1,433,048.53

Metro Main – \$ 1,213,852.17
Metro Hub – \$ 156,707.18
Metro Southwest – \$ 62,489.18

Last Year Revenue Metered Sales Billed in May 2013 – Grand Total \$ 1,369,502.86

Metro Main – \$ 1,173,905.95
Metro Hub – \$ 132,193.68

Metro Southwest – \$ 63,403.23

Water Quality Samples

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

Status of Compliance with Regulatory Requirements

District is in compliance with its regulatory requirements.

System Maintenance

Noteworthy Maintenance Projects and Major Repairs in May 2014:

1. Pulled Horizon Hills booster 1 for repairs.
2. Received Diablo Village 1 second arsenic treatment vessel.
3. Received arsenic treatment vessels for Hub 1A & Hub 3.
4. Repaired main break on Herradera in the Hub service area.
5. Completed well maintenance at Hub 2 and E&T 23; both wells back in service.

PRV Inspections – 84

Valves Exercised – 0

Meter Replacements – 0

Meters Tested – 0

ERTs Replaced – 0

New Meter Applications – 11 total

Metro Main – 7

Metro Southwest – 4

Customer Accounts

Total Customers – 20,170

New Accounts – 265

Delinquent Accounts – May 2014

Initial Shut Off Notices – 1436

Final Shut Offs – 72

High Consumption Contacts – 90

Service Orders & Work Orders – Total performed: 63

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

Metro Main – 21

Metro Hub – 2
Metro Southwest – 5
Work Orders (generated by staff when a need to perform additional work is recognized):
Metro Main – 27
Metro Hub – 1
Metro Southwest – 7

Water Sustainability Projects

Avra Valley Recharge Project (AVRP) – A total of 3,129 acre-feet was recharged at AVRP as of May 31, 2014 out of the 6,232 acre-feet scheduled for 2014.

Amount of Water Recharged at AVRP:

Month of May 2014 – 246,995,100 gallons
Same period last year – 191,926,200 gallons
Month of April 2014 – 229,399,100 gallons

South Shannon Treatment System – As of May 27, 2014, approximately 21 million gallons of water has been treated since the twenty-third carbon change-out on April 29, 2014. Since its startup in July 2006, 1.5 billion gallons of water have been treated by the treatment system. Since 2000, \$888,957.34 has been reimbursed from Arizona Department of Environmental Quality (ADEQ). Staff received the first quarter reimbursement from ADEQ. The District provided ADEQ comments on the draft remedial investigation report that details the groundwater contamination within the State Superfund site. The report will be used in a Feasibility Study to help ADEQ determine a final cleanup remedy.

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 met on May 12, 2014 with Central Arizona Water Conservation District (CAWCD) ADWR and AWBA on the pilot phase of the AMWUA and SAWUA proposal. CAWCD requested if ADWR will allow an exchange agreement between the parties to store and recover the CAP water. The parties are drafting a request for ADWR to reply to. Staff has reviewed a draft storage and recovery agreement between the City of Phoenix and the District.

Modification to Designation of Assured Water Supply – Staff has a pre-application meeting on June 4, 2014 with the Arizona Department of Water Resources (ADWR) for

the modification of the Metro Southwest–Diablo Village’s 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 until a wheeling agreement is finalized with Tucson Water.

Hoover Power – Staff 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. WAPA’s decision on allocating the D-2 Hoover Power is expected in August or September.

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. BOR and staff have drafted 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, 25 and 50 years. A draft outline has been completed. 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. The Board approved a

change order to complete the arsenic treatment system piping during the May 12, 2014 meeting.

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 and is anticipated to be complete in early June 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 were delivered to the site on May 28, 2014. The Hub 1A well site improvements contractor (Innova) will complete the installation.

Hub 3 Arsenic Treatment Vessel Replacement – Vessels have been completed and were delivered to the site on May 28, 2014. District staff will complete the installation as time allows.

Diablo/Arsenic Treatment Vessel Addition – Manufacturing of the vessel is complete and was delivered to the site on May 27, 2014. District staff will complete the installation.

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