

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

**September 14, 2015**

**Monthly Status of the District – August 2015**

**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.

**August 2015 Report**

**Water Usage/Quality**

Amount of Water Consumed in Metro Main

FY 2016 Year to Date – 452,910,700 gallons

FY 2015 Year to Date – 469,741,900 gallons

Amount of Water Consumed in Metro Hub

FY 2016 Year to Date – 54,706,000 gallons

FY 2015 Year to Date – 59,591,300 gallons

Amount of Water Consumed in Metro Southwest

FY 2016 Year to Date – 24,610,500 gallons

FY 2015 Year to Date – 24,466,400 gallons

Revenue Metered Sales Billed in August 2015 – Grand Total \$ 1,565,410.57

Metro Main – \$ 1,344,150.33

Metro Hub – \$ 145,273.53

Metro Southwest – \$ 75,986.71

Last Year Revenue Metered Sales Billed in August 2014 – Grand Total \$ 1,578,404.45

Metro Main – \$ 1,346,918.02

Metro Hub – \$ 163,665.20

Metro Southwest – \$ 67,821.23

Water Quality Samples

81 Microbiological samples taken from the distribution system.

14 Microbiological samples taken from the District's active wells.

120 Lab/field test samples for Arsenic, Nitrate, Lead and Copper, DBPs, VOCs, SOCs, UCMR-3, IOCs, and Metals.

Status of Compliance with Regulatory Requirements

District is in compliance with its regulatory requirements.

### **System Maintenance**

Noteworthy Maintenance Projects and Major Repairs in August 2015:

1. Replaced service line on Calle Tabara in Metro Hub.
2. Replaced multiple electrical control items at Old Magee Trail.
3. Replaced booster No. 1 at New Linda Vista due to failed motor.
4. Continued electrical and booster modifications at Las Palmas site.
5. Repaired 3" main break at 1309 Skyview in Metro Southwest.

PRV Inspections – 84

Valves Exercised – 4

Meter Replacements – 20 - 5/8" meters, 6 - 1" meters, 9 - 1 1/2" meters

Meters Tested – 0

ERTs Replaced – 0

New Meter Applications – 23 total

Metro Main – 6

Metro Hub – 11

Metro Southwest – 6

### **Customer Accounts**

Total Customers – 20,344

New Accounts – 241

Delinquent Accounts – August 2015

Initial Shut Off Notices – 1,273

Final Shut Offs – 91

High Consumption Contacts – 178

Service Orders & Work Orders – Total performed: 118

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

Metro Main – 42

Metro Hub – 10

Metro Southwest – 23

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

Metro Main – 34

Metro Hub – 5

Metro Southwest – 4

### **Water Sustainability Projects**

**Avra Valley Recharge Project (AVRP)** – A total of 4,454 acre-feet was recharged at AVRP as of August 31, 2015 out of the 5,214 acre-feet scheduled for 2015. An additional 1,800 acre-feet storage is for the Arizona Water Banking Authority and another 150 acre-feet is for the City of Phoenix. Staff is preparing for an aquifer test at a well near AVRP in early November and has a consultant conducting a hydraulic pipeline improvement cost estimate to Basins 1 and 2.

Amount of Water Recharged at AVRP:

Month of August 2015 – 223,207,900 gallons

Same period last year – 223,859,600 gallons

Month of July 2015 – 229,724,955 gallons

**South Shannon Treatment System** – As of August 25, 2015, approximately 52.6 million gallons of water has been treated since the twenty-seventh carbon change-out on June 9, 2015. Since 2000, \$950,770.15 has been reimbursed from Arizona Department of Environmental Quality (ADEQ). Staff received the second quarter reimbursement request of \$37,077.06 from ADEQ. A submittal of \$3,918.82 for July was sent to ADEQ.

**Cortaro-Marana Irrigation District (CMID) Effluent Groundwater Savings Facility Project** – Staff completed a five day flow test starting the week of June 22<sup>nd</sup> in the north pipeline and found it is usable. Staff is working with Pima County for ADEQ to grant a Pima County reuse permit for two classes of reclaimed water so that CMID can use the reclaimed water on wheat and pumpkins. The parties are also working to finalize the intergovernmental agreement for the pipeline interconnect to Pima County and bring it to the Board for approval in October.

**Water Storage and Recovery Well Permits** – The District's water storage permit applications have been deemed complete and correct by ADWR for Southern Avra Valley Storage and Recovery Project (SAVSARP) and Central Avra Valley Storage and Recovery Project (CAVSARP). Staff submitted to ADWR a modification to the District's Recovery Well Permit for Metro Southwest – Diablo Village. The modification adds Tucson Water Recovery Wells to meet the CAP wheeling agreement. A recovery well application for Metro Southwest – Lazy B will also be submitted so CAP wheeling can occur next year.

**CAP and Effluent Agreement** – Staff drafted for the Town of Marana's review an effluent agreement similar to a recent agreement between Marana and the City of Tucson. The effluent would be from Metro West. Additionally, a revised CAP water storage agreement has been reviewed by the Town of Marana.

### **Capital Improvement Program & Other Major Projects**

**Oracle Jaynes Property** – Consultant completed cultural and environmental field work, no issues found. District staff notified the seller and title company that it would move forward with the purchase of the property. Seller notified tenants on February 26, 2015 of the tenancy termination. Two of the three tenants moved. The remaining tenant has until October 25, 2015 to vacate.

**CAP Land Acquisitions** – The District's consultant, Tierra Right of Way Services, and District staff met with Redpoint Development to discuss property for the CAP Recharge, Recovery and Delivery System forebay and booster station and future treatment site. Redpoint Development identified a large parcel that was not already included in the block plat approval by the Town of Marana. Tierra and District staff are evaluating the parcel. The District has met with BKW Farms on CAP recovery wells properties. Property for the three well sites has been identified and discussed with BKW. Investigations are ongoing by Tierra to evaluate the properties. Tierra and District staff met with the Town of Marana to discuss project plans on August 5, 2015. The outcome of the meeting was very positive with the Town of Marana indicating a willingness to assist the District.

**Casas Adobes Estates MLP (Nanini Drive, Casas Adobes Drive, and Andrea Doria Drive)** – Cultural survey was received from Rick Engineering. Staff will begin design soon.

**Lazy B Tucson Water Wheeling Agreement Interconnect** – Plans were resubmitted to Tucson Water addressing previously received comments.

**La Cañada Drive Adjustments** – Bids were received on August 27, 2015. Award of construction contract is scheduled for the September 14, 2015 Board meeting.

**Hub Storage Expansion Retaining Wall** – Project design has commenced.

**Metro Water Office Sign** – Advertisement for construction commenced on July 20, 2015 and bids were to be received on August 20, 2015. Since no bids were received, staff is contacting sign contractors directly to request written cost proposals.

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