

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

**August 10, 2015**

**Monthly Status of the District – July 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.

**July 2015 Report**

**Water Usage/Quality**

Amount of Water Consumed in Metro Main

FY 2016 Year to Date – 227,250,600 gallons

FY 2015 Year to Date – 234,187,200 gallons

Amount of Water Consumed in Metro Hub

FY 2016 Year to Date – 27,000,300 gallons

FY 2015 Year to Date – 28,487,900 gallons

Amount of Water Consumed in Metro Southwest

FY 2016 Year to Date – 12,187,600 gallons

FY 2015 Year to Date – 12,630,100 gallons

Revenue Metered Sales Billed in July 2015 – Grand Total \$ 1,574,892.00

Metro Main – \$ 1,357,898.64

Metro Hub – \$ 140,818.77

Metro Southwest – \$ 76,174.59

Last Year Revenue Metered Sales Billed in July 2014 – Grand Total \$ 1,571,534.16

Metro Main – \$ 1,354,912.11

Metro Hub – \$ 146,247.68

Metro Southwest – \$ 70,374.37

Water Quality Samples

81 Microbiological samples taken from the distribution system.

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

58 Lab/filed test samples for Arsenic, Nitrate, Lead and Copper, DBPs, 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 July 2015:

1. Diablo No. 1 booster modified for full voltage start due to variable frequency drive failure.
2. Las Palmas replacement pressure tank put in service. Continued electrical modification.
3. Replaced valve at Rudasill and Fountains Drive.
4. Replaced poly service at 3763 Knollwood.
5. Replaced Alcott well starter and returned to service.

PRV Inspections – 84

Valves Exercised – 5

Meter Replacements – 10 - 5/8” meters, 9 - 1” meters, 2 - 1 1/2” meters, 1 - 2” meters

Meters Tested – 0

ERTs Replaced – 7

New Meter Applications – 5 total

Metro Main – 1

Metro Southwest – 4

## **Customer Accounts**

Total Customers – 20,335

New Accounts – 293

Delinquent Accounts – July 2015

Initial Shut Off Notices – 1,404

Final Shut Offs – 98

High Consumption Contacts – 255

Service Orders & Work Orders – Total performed: 187

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

Metro Main – 85

Metro Hub – 3

Metro Southwest – 30

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

Metro Main – 53

Metro Hub – 4

Metro Southwest – 12

### **Water Sustainability Projects**

**Avra Valley Recharge Project (AVRP)** – A total of 3,770 acre-feet was recharged at AVRP as of July 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.

Amount of Water Recharged at AVRP:

Month of July 2015 – 33,888,500 gallons  
Same period last year – 181,824,900 gallons  
Month of June 2015 – 33,888,500 gallons

**South Shannon Treatment System** – As of July 27, 2015, approximately 31.2 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 submitted the second quarter reimbursement request of \$37,077.06 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.

**Designation of Assured Water Supply (DAWS) and Member Service Area Modifications** – ADWR issued to the District a DAWS for Metro West and Metro Main. These designations expire in December 31, 2033.

**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 prepared for the Town of Marana’s review.

**Hoover Power Allocation** – Staff submitted its application for D-2 power to the Arizona Power Authority (APA) April 27, 2015. A draft recommendation from APA allocated 422 kW and 2,181,842 kWh to the District. APA found no deficiencies within the District’s application but APA decided on July 17, 2015 to not award and D-2 power to entities with D-1 power and possessing a CAP allocation.

### **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 have removed their mobile homes and 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 on February 10, 2015 and July 7, 2015 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. On February 23, 2015, District met with BKW Farms on CAP recovery wells properties. Property for two of the three well sites has been identified. On May 4, 2015 the District met with BKW Farms to discuss comments received from Vulcan on the third well site. District staff is evaluating Vulcan comments and awaiting additional information regarding their recommended location. Tierra and District staff are meeting with the Town of Marana to discuss project plans on August 5, 2015.

**Casas Adobes Estates MLP (Nanini Drive, Casas Adobes Drive, and Andrea Doria Drive)** – Work order issued to Rick Engineering for cultural survey.

**Lazy B Tucson Water Wheeling Agreement Interconnect** – Plans were submitted to Tucson Water and Pima County and review comments were received.

**La Cañada Drive Adjustments** – Commenced on July 27, 2015 and bids are to be received on August 27, 2015. Award of construction contract anticipated at the September 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 are to be received on August 20, 2015. Award of construction contact anticipated at the September 2015 Board meeting.

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