

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

January 9, 2017

Monthly Status of the District – December 2016

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.

December 2016 Report

Water Usage/Quality

Amount of Water Consumed in Metro Main

FY 2017 Year to Date – 1,161,034,300 gallons

FY 2016 Year to Date – 1,145,357,800 gallons

Amount of Water Consumed in Metro Hub

FY 2017 Year to Date – 138,818,100 gallons

FY 2016 Year to Date – 128,886,700 gallons

Amount of Water Consumed in Metro Southwest

FY 2017 Year to Date – 66,696,200 gallons

FY 2016 Year to Date – 63,966,900 gallons

Revenue Metered Sales Billed in December 2016 – Grand Total \$1,323,105.05

Metro Main – \$1,144,760.11

Metro Hub – \$104,432.13

Metro Southwest – \$73,912.81

Prior Year Revenue Metered Sales Billed in December 2015 – Grand Total \$1,182,323.86

Metro Main – \$1,021,905.98

Metro Hub – \$94,210.53

Metro Southwest – \$66,207.35

Water Quality Samples

78 Microbiological samples taken from the distribution system.

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

46 Lab/field test samples for VOCs, IOCs, DBPs, Nitrate, 1,4-Dioxane, Perfluorinated Chemicals, and Arsenic.

Status of Compliance with Regulatory Requirements
District is in compliance with its regulatory requirements.

System Maintenance

Noteworthy Maintenance Projects and Major Repairs in December 2016:

1. Pulled the Lazy B well for maintenance.
2. Installed line stop and valve at 1920 Rudasill.
3. Repaired leaking service saddle on Fraizer in the E&T service area.
4. Replaced flow meter on the Moore well.
5. Repaired mainline leak on Casas Adobes Drive.

PRV Inspections – 84

Valves Exercised – 9

Meter Replacements – 26 - 5/8" meters

Meters Tested – 0

ERTs Replaced – 1

New Meter Applications – 12 total

Metro Main – 2

Metro Hub – 1

Metro Southwest – 9

Customer Accounts

Total Customers Billed – 20,205

New Accounts – 203

Delinquent Accounts – December 2016

Initial Shut Off Notices – 1,868

Final Shut Offs – 108

High Consumption Contacts – 131

Service Orders & Work Orders – Total performed: 147

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

Metro Main – 76

Metro Hub – 14

Metro Southwest – 12

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

Metro Main – 26

Metro Hub – 11

Metro Southwest – 8

Water Sustainability Projects

2016 CAP Storage – All of the scheduled 3,950 acre-feet (AF) was recharged for the District at Avra Valley Recharge Project (AVRP) as well as 1,100 AF scheduled for storage by the Arizona Water Banking Authority and 1,500 AF for the City of Phoenix. All of the 7,912 AF scheduled for storage at the District's groundwater savings facility (GSF) partners has been completed for 2016 as well as the 50 AF stored at City of Tucson's Southern Avra Valley Recharge and Recovery Project.

2017 CAP Storage – Storage at AVRP began on January 1, 2017 with 3,450 AF of storage at AVRP for the District and 3,500 AF for the City of Phoenix. The District's GSF partners will store 9,001 AF for the District and 1,000 will be stored at the Lower Santa Cruz Recharge Project.

South Shannon Treatment System Reimbursements – Since 2000, \$1,085,743.79 has been reimbursed from Arizona Department of Environmental Quality (ADEQ). November reimbursements from ADEQ were \$4,057.36.

Cortaro-Marana Irrigation District (CMID) Effluent Groundwater Savings Facility Project – Pima County amended the IGA during their December 13, 2016 Board meeting. The amendment and contract award will be considered by the District Board at the January 9, 2017 meeting; detailed information can be found in the associated Board report.

Oracle Jaynes Replacement Well – Staff approved a scope of work from Clear Creek Associates for assisting with the drilling project. Water Sustainability staff is working on finalizing the technical specifications.

CAP System Use Agreement – CAP distributed a draft to interested parties on November 3, 2016 and a stakeholder meeting was held on November 22, 2016. District staff found the agreement complete in form, content, and recommended approval to the CAP Board. The agreement has been approved by the CAP Board, but the Bureau of Reclamation received some comments from the Tribes and Reclamation wants to incorporate their concerns into the agreement. CAP and the Bureau of Reclamation clarified what criteria they will use to approve Inter-AMA Firming agreements, such as the District's IGA with the City of Phoenix.

Capital Improvement Program & Other Major Projects

Casas Adobes Estates MLP (Nanini Drive, Casas Adobes Drive, and Andrea Doria Drive) – Construction acceptance occurred on September 14, 2016 and project close-out continues.

CAP Recharge, Recovery, and Delivery System (RRDS) Land Acquisitions

- **Booster Station Property** – Closeout of the acquisition agreement occurred on June 30, 2016.
- **Redpoint Development Easements** – Redpoint Development and the District met regarding set back requirements along the future alignment of Lambert Lane and recent

changes regarding the Redpoint proposed development. A follow-up meeting with the Town of Marana was scheduled to discuss the changes. Town officials indicated that long-term studies indicated that Lambert Lane would never expand beyond a 4-lane roadway. Following this meeting, District staff determined that easements outside of and parallel to Lambert Lane within the subdivision would not be required. Easements parallel to a drainageway and within Common Area D would still be pursued.

- State Land Easements – The process to acquire easements and any necessary land from the Arizona State Land Department is expected to take approximately two years to finalize and has been initiated. With the relocation of the project wells to State lands, new cultural and environmental reports, and survey (legal descriptions) are required to submit to State Land. Easement acquisitions pertaining to the well sites are on hold pending further decision making by State Land officials. Tierra Right of Way is pursuing easements along Avra Valley road, with legal description preparation work ongoing.
- Town of Marana Easement – The easement legal description on the airport property is complete and the appraisal is pending completion. The easement will be submitted to the Town of Marana following acceptance of the appraisal results.
- Pima County Easements – Pipeline easements from parcels owned by Pima County are necessary for the project. District staff investigated a proposed realignment of Avra Valley Road near I-10 by ADOT and determined that the alignment crossing I-10 at Avra Valley Road is unfavorable due to future I-10 construction. Staff met with Pima County Flood Control and were advised that the use of the PCFCD levee property for the waterline was not acceptable. Tierra Right of Way is in the process of gathering topographical data ahead of preparation of easement legal descriptions across Pima County owned parcels south of the I-10 Avra Valley Mining Company. A meeting with Pima County regarding these easements is pending.
- I-10 Avra Valley Mining Company – A meeting with the representative of this company yielded general agreement regarding the location of a proposed easement. Preparation of legal descriptions are pending a meeting with Pima County regarding proposed easements across Pima County parcels immediately south of this parcel.
- Cal Portland Cement Company – Easement legal description and appraisals have been submitted.
- Residential Lot Easements – Approximately 30 pipeline easements are necessary from residential lots for the project. Easement legal descriptions are being finalized and the market analyses for the easement valuations have been completed. Tierra has begun submitting the easement requests to these properties and has initiated negotiations with the private property owners. Several easement acquisitions have been finalized. The final pipeline route has been determined to follow Blue Bonnet Road south to Linda Vista Road and thence west along Linda Vista Road to the Herb Johnson Reservoir. Staff are preparing to direct Tierra Right of Way to begin the process of easement acquisitions along this route.

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.

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Respectfully Submitted,

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General Manager