

# RECLAIMED WATER PROGRAM SECOND QUARTER FY 2016-17



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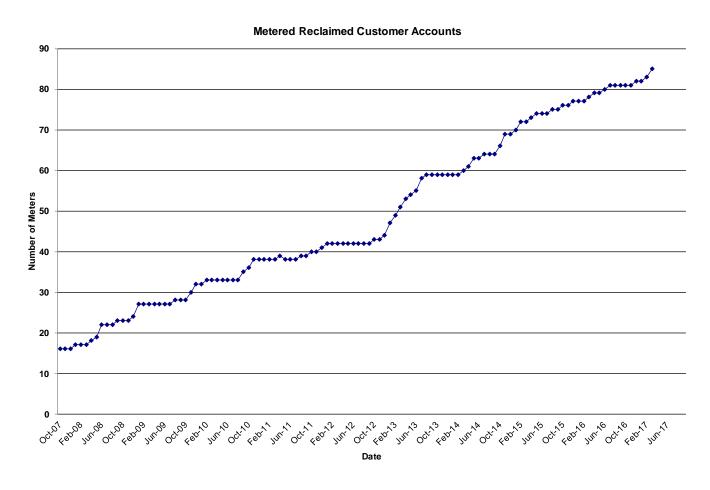
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#### **EXISTING CUSTOMERS:**

- Metered Customer Accounts Big Brothers Big Sisters (RW246781), Mueller Aldrich (RW246781), Block 23-1 (RW000057), and Block 23-2 (RW246783) were added as customers in the last quarter. A review of CC&B data indicated that Mueller 13 (RW000088) and Central Library 1 (RW000058) had previously connected. There are 85 active metered customers and the graph below shows metered customer growth over time.
- **Bulk Fill Station Accounts** Environmental Safety Services became a bulk fill station customer during the quarter, bringing the number of prepaid bulk fill customer accounts to 65.

#### PROSPECTIVE CUSTOMERS:

Marketing – Since the last quarterly report, reclaimed staff provided marketing and technical
information to Rodeo Austin, Freese and Nichols, North University Neighborhood Association,
Halff and Associates, and Civilitude.





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• **Potential Customers** – The following table lists potential customers that staff has been in contact with regarding connection to mains completed, in design, or under construction.

Prospective Customer	Location	Uses	Project	Usage (gal/yr)
ACC Rio Grande	1212 Rio Grande	Irrigation, cooling, toilets	Junction 420 Main	4,500,000
ACC Riverside	1020 Grove	Irrigation	Main to Montopolis	4,000,000
AE Office Park	Riverside & Grove	Irrigation, toilets	Burleson Road	490,000
AMD Campus	2900 Ben White	Irrigation/Toilets/Cooling	Burleson Road	10,000,000
Angelica	1307 Smith	Laundry, irrigation	Smith Road Extension	8,000,000
Auditorium Shores	Riverside	Irrigation	Junction 420 Main	?
Austin History Center	401 W 9th St.	Irrigation	Junction 420 Main	500,000
Butler Park	Riverside	Irrigation, cooling	Junction 420 Main	4,000,000
Burleson Industrial Park	7001 Burleson	Irrigation	Burleson Road	800,000
Capitol Grounds	11th Street	Irrigation	Capitol Complex Main	15,000,000
Duncan Park	900 W 9th	Irrigation	Junction 420 Main	500,000
Eastside Memorial HS	1012 Arthur Stiles	Irrigation	Smith Road Extension	2,800,000
Freeport Industrial Park	Burleson Road	Irrigation	Burleson Road	500,000
Great Streets (x2)	3 <sup>rd</sup> Street, 8 <sup>th</sup> Street	Irrigation	Junction 420 Main	180,000
GreenePointe Austin	5901 Bolm Road	Irrigation	Smith Road Extension	100,000
Governor's Mansion	1010 Colorado	Irrigation	Capitol Complex Main	850,000
Guerrero Park Little	400 Grove Blvd	Irrigation	Montopolis Main	2,000,000
League Fields		<b>6</b>		,,
HHS Department	7201 Levander	Irrigation	Smith Road Extension	500,000
Mont. Research Center	2706 Montopolis	Irrigation	Burleson Road	5,000,000
Ned Grainger Bldg	399 W 11 <sup>th</sup> Street	Cooling	Capitol Complex Main	2,500,000
The Point at Ben White	6934 E. Ben White	Irrigation/Toilet Flushing	Montopolis Tank	500,000
Republic Square		Irrigation	Junction 420 Main	500,000
Spansion	3200 Alvin Devan	Irrigation/Manufacturing	Burleson Road	5,000,000
Southern Datacom	2606 Montopolis	Irrigation	Burleson Road	25,000
Sheraton	701 E 11 <sup>th</sup>	Irrigation, cooling, laundry	Capitol Complex Main	5,000,000
Travis Co. Courthouse	1000 Guadalupe	Irrigation, cooling	Capitol Complex Main	1,000,000
Travis Co. Family	-		• •	
Courthouse	308 Guadalupe	Irrigation, toilets	Junction 420 Main	300,000
Travis County Precinct 4	3518 S. FM 973	Irrigation, toilets	FM 973 Widening	300,000
Tokyo Electron America	2400 Grove	Irrigation	Burleson Road	2,500,000
Unifirst	6000 Bolm	Current irr., laundry pending	Smith Road Extension	5,000,000
UT Chiller #3	1910 San Jacinto	Cooling	UT Main	50,000,000
UT Chiller #7	1914 Red River	Cooling	UT Main	50,000,000
UT Triangle Park	2601 Dean Keaton	Irrigation	UT Main	1,500,000
UT Med. Center	Red River & Trinity	Irrigation (rainwater backup)	Capitol Complex Main	500,000
Waller Creek Center	625 E 10 <sup>th</sup>	Irrigation, cooling, toilets	Capitol Complex Main	3,500,000
Waterloo Park	500 E 12 <sup>th</sup>	Irrigation  Irrigation	Capitol Complex Main	2,000,000
Wooldridge Square	450 W 10 <sup>th</sup>	Irrigation	Capitol Complex Main	500,000
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### **RECLAIMED PROGRAM ACTIVITY:**

• Bulk Water Fill Stations – Quarterly water use at the bulk fill stations is listed in the table below. Local road construction projects resulted in higher usage compared to the water use data for the same quarter last year. Specifically, the contractor completing construction activities along US



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Highway 183 accounted for approximately 2/3 of the total water usage for the quarter.

Bulk Fill Station	2QFY17 Use (gal)	2QFY16 Use (gal)
Hergotz	347,365	31,478
Hornsby	11,061	303,151
Walnut	632,976	146,080
Total	1,090,952	480,709

Multiple repairs were completed at the Walnut Creek WWTP and Hergotz stations during the quarter. At the Walnut Creek WWTP station, a strainer was added upstream of the meter and the solenoid valve on the drain line was replaced. At the Hergotz station, the discharge pipe was realigned twice and the discharge hose was replaced multiple times. The recently installed steel-lined rubber hose appears to be working better than the previous hose material.

- Erosion at Krieg Fields Wet weather in May 2015 caused erosion in Country Club Creek West to undermine a pedestrian bridge at Krieg Fields and came close to exposing a 16" reclaimed main. Flooding in October 2015 exposed the main and caused it to come apart. Information from the Watershed Protection Department indicates that erosion in this area will continue until the creek reaches its ultimate bottom estimated to be 20 feet deeper. This section of pipe serves the softball fields in Krieg Fields and a bulk fill station for PARD's Urban Forestry Division. To restore service reclaimed staff is working with PARD, Watershed and Public Works to install a 16" line to a replacement pedestrian bridge that crosses the heavily eroded stream. Public Works is negotiating with FEMA on the dollar amount for federal reimbursement.
- Fallwell Lane Main Austin's Public Works Department is constructing a new access to the South Austin Regional Wastewater Treatment Plant and the Sand Hill Energy Center because of damage to the existing access road from the 2013 and 2015 Halloween floods. A 48" reclaimed main will be included as part of the new access road. This project is on hold at the 30% design stage pending coordination with TXDOT and the Central Texas Regional Mobility Authority.
- **Jimmy Clay Booster Pump Station** The replacement Jimmy Clay Booster Pump Station continues to generally work well. One pressure transducer and two pressure gauges were replaced in February. Fault alarms are being tracked and analyzed in order to adjust the high pressure fault settings. A punch list walkthrough of the pump station is anticipated to occur in the next quarter.
- Texas Water Development Board (TWDB) Austin Water closed on a low-interest loan from the TWDB and is drawing down the amount borrowed. A second round of borrowing is planned. TWDB loans have resulted in additional, unanticipated reviews, particularly in regard to the nesting of migrating birds. This could result in additional project delays since clearing when the birds are present is prohibited from March to September.
- Watershed Protection Austin Water staff met with Watershed Protection Department staff regarding limits on the use of reclaimed water. It was agreed that existing customers would be left as is. Planned customers would be addressed by a memorandum of understanding and variance process. Future customers would not be able to use reclaimed water for irrigation in the critical water quality zone, the erosion hazard zone, and the 100-year floodplain.



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#### **OTHER:**

- Clay/Kizer Pond Linings In a November 2013 inspection TCEQ staff requested certifications of pond linings at the Clay/Kizer Golf Course. There are ten ponds at the course. Construction on the Jimmy Clay ponds started in 1972 and would have been complete by the time the course opened in 1974. The ponds on the Roy Kizer Golf Course were constructed in 1993. Reclaimed staff has searched, but has been unable to find certification documents from 43 and 24 years ago. Per TCEQ Rule 210.36, records are required to be kept for five years and pond lining records are not mentioned as those needing to be kept.
- **Monitoring** There were no exceedances of any compliance parameter (e. Coli, CBOD, Turbidity) at either Walnut or SAR during the quarter.
- Staffing Nolan Barborak applied for, and was selected for, a position in Distribution Systems Engineering. His position is currently open and will be posted once a Supervising Engineer for the Reclaimed Water Program is selected.
- Use Quarterly reclaimed water use is listed in the table below. The decrease in use from the 2nd Quarter of FY16 to the 2nd Quarter of FY17 can be attributed to the weather, particularly rainfall. The 2<sup>nd</sup> Quarter of FY16 had 1.30" of rainfall below average, while the 2<sup>nd</sup> Quarter of FY17 had 3.35" of rainfall above average.

Time Period	Use	As a Percent of WW Treated
2 <sup>nd</sup> Quarter FY17	244.82 MG	2.62%
2nd Quarter FY16	281.32 MG	3.00%

#### **CONSTRUCTION:**

See the following graphic for information on reclaimed water projects in the planning, design, construction, and warranty phases.



