



To: Zero Waste Advisory Commission

From: Bob Gedert, Director
Austin Resource Recovery Department

Date: November 14, 2012

Subject: **Director's Report**

MRF Equipment Sale

ARR recently advertised the sale of its MRF container sortline through a public auction conducted by Gaston & Sheehan Auctioneers. The sortline sale closed on September 20th, and the auctioneer received two bids. The high bidder was Texas Disposal Systems. TDS bid \$92,500 for the sortline and removed the equipment from the ARR Todd Lane facility. Removal of the equipment took 18 days and was completed by the November 1st deadline. The ARR Todd Lane facility will now be developed to become one of the RRC's identified in the Master Plan.

Zero Waste Inter-local agreement with Travis County

Staff have met with Travis County representatives several times to brainstorm a variety of options for a comprehensive Travis County/City of Austin Zero Waste Interlocal Agreement. Several ideas are being explored, including:

- Continuation and expansion of household hazardous waste drop off facilities combined with brush and bulk drop off facilities in at least four sections of Austin/Travis County area;
- Zero Waste event standards for Travis County facilities, including prohibition of certain materials such as glass, Styrofoam, and single-use plastic bags;
- Evaluation and identification of possible synergies with dumpster service contracts;
- Compliance with the Universal Recycling Ordinance for Travis County facilities;
- Identifying and sharing best practices for the management of other difficult to recycle materials generated by both Travis County and COA operations (tires, electronic waste, etc.);
- Where partnerships are available, sharing and developing consistency in educational materials/resources;
- Consideration and possible adoption of city approved Zero Waste Ordinances by the Travis County Commissioner's Court.

We anticipate finalizing an ILA with Travis County and bringing it forward to ZWAC and Council by April.

Zero Waste Events Ordinance

The Office of Special Events, located in the Transportation Department, is leading an effort outlined by Council Resolution No. 20120524-089. Several City Departments (Music Office/PARD/APD/AFD/PIO) have been researching other cities' policies and procedures regarding the special events process. City departments, including ARR, submitted recommended revisions to the special events ordinance and guidance documents to the Office of Special Events. The Office of Special Events is working on a revised draft ordinance to distribute to stakeholders. The Office of Special Events intends to have public meetings to accept feedback and modify as appropriate. A final draft ordinance will be presented to Council. ARR staff will work closely with the Office of Special Events to ensure that recycling at events is included in the revised ordinance and guidelines.

Placement of public-use recycling cans

The expansion of litter containers in the Central Business District is driven by the Great Streets program. As renovations of streets are completed, furnishings are being added to include litter receptacles. There are a total of 341 receptacles planned for these streets. The projects are scheduled to be completed by April 2015. An agreement was reached with the Public Works Department to include a trash and recycling container at every corner. The initial cost of these receptacles is covered by CIP funds approved for the street renovations. ARR would then cover future service, maintenance and replacement costs for these receptacles. ARR will be able to provide the daily collection service of trash and recycling without additional personnel. However, an additional collection vehicle will need to be added.

In addition to the Great Streets project, ARR will be converting approximately 100 trash receptacle of the existing CBD service area to a recycling receptacle. This will be accomplished by simply changing the trash receptacle lid to a recycling lid. The cost of the recycling lid is approximately \$100. The funding for purchase of this lid is included in the Cart Maintenance budget in 2013.

The most cost efficient way to provide both recycling and trash service for these receptacles is to use a dual compartment vehicle and collect both materials at the same time with the same crew. ARR does not currently own any dual compartment vehicles. ARR included funding in FY2012 for the purchase of 2 dual compartment vehicles (a replacement for the current vehicle used downtown and the additional unit mentioned above). This purchase was approved by Council during the November 1st council meeting. The delivery date for this equipment is estimated to be in the summer of 2013.

ARR will coordinate the purchase of the lids with the delivery of the trucks so that the implementation can start.

Scheduled Council Items

December 6th Council Agenda – Authorize execution of a construction contract with AUSTIN FILTER SYSTEMS for Harold Court East Regional Service Center Improvements in the amount of \$4,795,831.40 plus a \$479,583.14 contingency, for a total contract amount not to exceed \$5,275,414.54.

December 13th Council Agenda – Authorize award and execution of a contract with TOTER INCORPORATED, Statesville, NC, for the purchase of 2,800 24-gallon garbage carts in an amount not to exceed \$100,772. Toter Incorporated is the sole source provider for 24-gallon garbage carts.

December 13th Council Agenda – Authorize award and execution a contract through Texas Procurement and Support Services Cooperative Purchasing Program (TPASS) Term Contract 450-A2, administered by the State of Texas Controller of Public Accounts (CPA), with TOTER INCORPORATED, Statesville, NC, for the purchase of residential trash carts and recycling carts in an amount not to exceed \$4,366,828.38.

F1 Race – ARR support activities

ARR staff will be responsible for the cleanliness of the Downtown streets during the main activities of the F1 Race. Our increased activities include the following:

- Downtown litter pick-up service, 24 hrs. a day Thursday through Monday.
- Expand the normal service area to include: Cesar Chavez to MLK and Chicon to Lamar.
- 24 hrs. service, two shifts that include the assistant division managers, supervisors and operators.
- ARR assistant division managers and supervisors will monitor parking areas near Rainey Street and Travis County Expo Center.
- Place additional 200 trash cans in the Downtown area (Sixth Street and around perimeter of Fan Fest) on Thursday 11/15, 2:30 a.m.
- Street sweeping will be done in the early morning hours between 2:30 a.m. to 6:30 a.m.
- Additional street sweeping on main roads going towards US -183, MLK, 7th Street, Cesar Chavez, Riverside, and Burleson Rd between 3 a.m. to 11 a.m.
- 16 sweepers and 54 employees are designated for the Formula 1 weekend.
- Three Public Information staff will assist Corporate PIO at Emergency Operations Center and Austin Bergstrom International Airport.

New Positions – New Hires

I am pleased to announce four new recent hires to join Austin Resource Recovery Department management team. The selected candidates bring extensive field experience in their respective fields, including national leadership and innovation. As these new managers begin their service in Austin over the next few months, please welcome them to our organization.

Nancy Chan joins the City of Austin as the Quality Assurance Division Manager for Austin Resource Recovery. Nancy recently relocated to the United States from England where she worked as a Technical Assurance Consultant for Thales Transport & Security Ltd. Ms. Chan has demonstrated success in developing lean operating systems that increase safety and productivity as well as enhance profitability by assessing product, process and documentation compliance against technical design specifications, safety regulations as well as quality standards. She has extensive experience in operations management,

technical assurance, quality, process, and risk management. Ms. Chan will assume the role of Quality Assurance Division Manager in late November.

Dodd Day joins the City of Austin as the Safety Division Manager for Austin Resource Recovery and Code Compliance. Job duties will include full responsibility for the management of the newly structured Safety Division, including the integration of accident and injury prevention measures. Dodd will be accountable towards developing a culture of safety within the ARR operations. Dodd brings 30 years of experience in developing proactive safety programs and promoting a safety conscious culture. In his most recent position, Dodd served as Safety Director for the U.S. Navy Support Facility located in the British Indian Ocean Territory. In addition, Dodd is a Certified Safety Professional, Certified Healthcare Safety Professional, Board of Certified Hazard Control Management, 2009, Certified Protection Professional, Board Certified Security Manager and Senior member of the American Society of Industrial Security, Certified in Homeland Security. Mr. Dodd will assume the role of Safety Division Manager in December.

Chad Presley joins us as the Chief Administrative Officer for Austin Resource Recovery, providing oversight and strategic planning for the department's core support services: Human Resources, Finance and Customer Service. A former City Administrator for the City of Marietta, Ohio, he was responsible for the short and long range strategic planning, systems, department budgets, human resources and business service projects, programs and plans for 11 departments and over 180 employees throughout the City. Chad was responsible for all operations and financial management, business architecture, change management, process realignment, unit budgets, and human resources for a privately held company. With his graduate coursework in Finance and an MBA, Chad has extensive experience in financial and operational analysis, systemization, change and turn-around management, marketing, sales, human resources, labor relations, contracts and negotiations. Mr. Presley will assume the role of Chief Administrative Officer in late November.

Julie Rhodes joins the ARR team as an Economic & Business Development Liaison where she will serve as the economic development liaison between the City's emerging green entrepreneurs, existing small business organizations, non-profit organizations, and education institutions to promote the recycling and reuse business opportunities offered by the Austin Zero Waste Strategies. Job duties will include full responsibility for the implementation of Chapter 7 Reuse and Chapter 15 Recycling Economic Development in the Austin Resource Recovery Master Plan. She has over 20 years of experience working collaboratively with stakeholders and organizations across the country, including high level stakeholder negotiations with the electronics, carpet, foundry, plastics and tire industries. Much of that experience has been related to economic and community development, especially in the area of green jobs such as the reuse and recycling industries. Julie comes to us from Indianapolis, Indiana where she built a successful consulting company specializing in solid waste, reuse, recycling and environmental stewardship. Ms. Rhodes will assume the role of Economic & Business Development Liaison in January.

Staff Hires and Promotions Update: August through October 2012

New employee	Promotions	Notes: Title/ Division
Jeffrey Mangett		Solid Waste Operator-LA
Elizabeth Corey		Contract Administrator-Finance
Margaret Ha		Financial Consultant
	George Mathis	From: Solid Waste Operator to: Solid Waste Operator Specialist
	Lauren Hammond	From: Public Information Specialist to: Public Information Spec Sr
	Ruben Mata	From: Solid Waste Operator to: Solid Waste Operator Specialist
	Steven Bryant	From: Solid Waste Operator to: Solid Waste Operator Specialist
	Louis Rodriguez	From: Solid Waste Operator to: Solid Waste Operator Specialist
	Kayla Reed-Castro	From: Admin. Specialist to: Contract Compliance Specialist
Alexandria Bruton		Public Information Specialist for SI
Vekessa Malveaux		Temporary Admin Assoc.-Field Audit for Finance
Sasan Samani		Intern-Finance
Camilla Montoya		Intern-Finance
Vera Labriola		Department Executive Assistant
Kathryn "Dee Dee" Quinnelly		Planner Sr. for SI
Matt Clayton		Temporary Administrative Associate—Field Audit for Finance
	Williard Crayon	From: Solid Waste Operator To: Solid Waste Operator Specialist
Jason McCombs		To: Planner II
Ronald Dupas		To: Solid Waste Associate
Timothy Darby		To: Solid Waste Associate
Oran McMichael		To: Solid Waste Operator
	Meagan Herndon	To: HR Supervisor

Current and Upcoming Job Postings

Position	Contact Manager	Posting Status
Administrative Specialist (SI)	Jessica King	Posting for Manager review
Public Information & Marketing Program Manager	Jessica King	Posting for Manager review
Planner III or Planner Sr	Jessica King/Gena McKinley	Closed, Recruitment/Selection underway
Planner II, III or Planner Sr	Jessica King/Gena McKinley	Closed, one top candidate hired 9-24-12, other 10-8-12
Temporary Marketing Representative A	Jessica King/Gena McKinley	Closed, Recruitment/Selection underway
Financial Specialist	Keith Murray	Posting for Manager review
Temporary Accounting	Keith Murray	Closed, Recruitment/Selection underway
Temporary - Field Audit CC&B/Admin	Jessica Edwards/Skylar Smith	Closed, Recruitment/Selection underway
Temporary -Utility Billing Specialist	Jessica Edwards	Posting Open, closes 11-09-12
Contract Compliance Specialist or Sr.	Phil Tindall	Closed, Recruitment/Selection underway
Human Resources Supervisor	Blanche Quarterman	Closed, Recruitment/Selection underway
Human Resources Advisor	Blanche Quarterman	Closed, Top Candidate started 10-8-12
Administrative Specialist (OS)	Richard McHale	Closed, Recruitment/Selection underway
Service Writer	Richard McHale	Closed, Recruitment/Selection underway
Temporary, Solid Waste Associate	Ron Romero	Closed, Recruitment/Selection underway

Performance Measures and Statistical Reports (see attachments)

Director Observations – Recycling Contract FY12 Annual statistics

Included in the statistical reports is the 12 month (FY12) summary of recycling processing expenses and market revenues. The annual gross processing expense was \$4,256,657, with market share revenue paid to the City of \$3,805,692. Thus, the net expense for processing 53,208 tons of curbside collected recyclables was \$450,964. If the material was landfilled instead of recycled, the projected disposal cost would have been \$1,097,685. Even in this low-value recycling market trend, the City reduced its cost through its single-stream recycling program in replacement of landfilling.

The Material Composition Audit statistical chart notes the quarterly assessment of composition of materials processed through the contracted recycling processing MRF. The “residual” composition of the recycling stream is the material landfilled and not recycled. This category represents two flows of unrecoverable material; “mistakes of the public” and “MRF fines”.

The “mistakes of the public” is composed of trash that was mistakenly placed in the blue recycling cart and then delivered to the MRF processing facility. This portion of the residual stream can be reduced through the ARR public education program.

The “MRF fines” is composed of recyclables that are unrecoverable due to the processing equipment manipulation of the material and the small sizing of the material. This portion of the residual stream can be reduced through MRF process changes and equipment upgrades.

It is common for modern MRFs to have a combined residual rate between 6% and 8%. A residual rate above 8% requires more scrutiny and possible action. Note in the past 2 years that the recycling residual rate has steadily increased from 7.36% to 15.12%. As this high residual rate is of significant concern, ARR will be engaging in an extensive “Recycle Right” campaign to re-teach the citizens of what is appropriate to place in the recycling cart. It is our desire to see two positive effects from this public education campaign; reduced residuals and increased recycling pounds per customer. In addition, ARR staff will be working with the two recycling vendors on identifying the two separate components in the residual stream for further analysis.

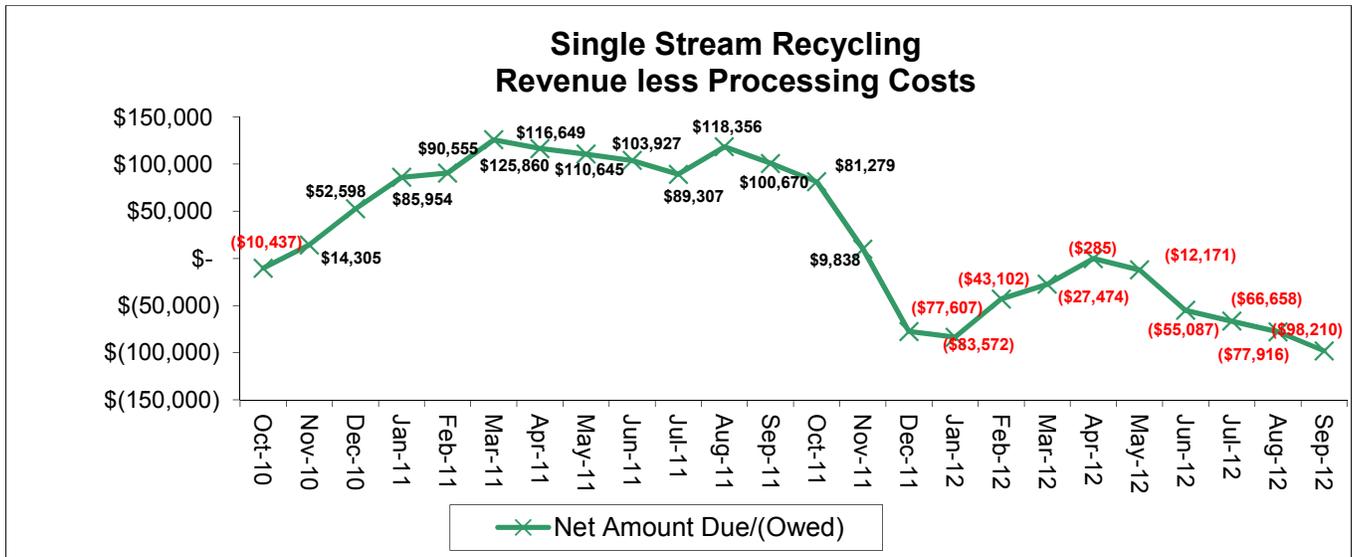
Single Stream Recycling Statistical Report as of September 2012

Month	Tons Delivered	Contractor Payments			Landfill Cost Avoidance	Total
		Revenue	Processing Cost	Net Amount Due/(Owed)	Per Ton	
October-10	4,016.67	\$310,896	\$321,334	(\$10,437)	\$19.94	\$80,092
November-10	4,389.46	\$365,461	\$351,156	\$14,305	\$19.94	\$87,526
December-10	4,972.47	\$450,396	\$397,798	\$52,598	\$19.94	\$99,151
January-11	4,575.35	\$451,982	\$366,028	\$85,954	\$19.94	\$91,232
February-11	3,909.79	\$403,338	\$312,783	\$90,555	\$19.94	\$77,961
March-11	4,531.25	\$488,360	\$362,500	\$125,860	\$19.94	\$90,353
April-11	4,202.05	\$452,813	\$336,164	\$116,649	\$19.94	\$83,789
May-11	4,385.61	\$461,493	\$350,849	\$110,645	\$19.94	\$87,449
June-11	4,436.60	\$458,855	\$354,928	\$103,927	\$20.63	\$91,527
July-11	4,083.74	\$416,007	\$326,699	\$89,307	\$20.63	\$84,248
August-11	4,523.28	\$480,219	\$361,862	\$118,356	\$20.63	\$93,315
September-11	4,316.51	\$445,990	\$345,321	\$100,670	\$20.63	\$89,050
FY11 Totals	52,342.78	\$5,185,811	\$4,187,422	\$998,389		\$1,055,694
October-11	4,181.89	\$415,830	\$334,551	\$81,279	\$20.63	\$86,272
November-11	4,552.52	\$374,040	\$364,202	\$9,838	\$20.63	\$93,918
December-11	4,918.05	\$315,837	\$393,444	(\$77,607)	\$20.63	\$101,459
January-12	5,030.20	\$318,844	\$402,416	(\$83,572)	\$20.63	\$103,773
February-12	4,239.70	\$296,074	\$339,176	(\$43,102)	\$20.63	\$87,465
March-12	4,629.89	\$342,917	\$370,391	(\$27,474)	\$20.63	\$95,515
April-12	4,367.78	\$349,138	\$349,422	(\$285)	\$20.63	\$90,107
May-12	4,763.67	\$368,922	\$381,094	(\$12,171)	\$20.63	\$98,275
June-12	4,348.33	\$292,780	\$347,867	(\$55,087)	\$20.63	\$89,706
July-12	4,155.45	\$265,778	\$332,436	(\$66,658)	\$20.63	\$85,727
August-12	4,000.00	\$242,084	\$320,000	(\$77,916)	\$20.63	\$82,520
September-12	4,020.72	\$223,447	\$321,658	(\$98,210)	\$20.63	\$82,947
FY12 Totals	53,208.20	\$3,805,692	\$4,256,657	(\$450,964)		\$1,097,685

Blended Commodity Values per Ton				
Month	Market Value/Ton	City Value/Ton (80% Market)	Processing Cost/Ton	Net Amount Due/(Owed)/Ton
October-10	\$96.75	\$77.40	\$80.00	(\$2.60)
November-10	\$104.08	\$83.26	\$80.00	\$3.26
December-10	\$113.23	\$90.58	\$80.00	\$10.58
January-11	\$123.48	\$98.79	\$80.00	\$18.79
February-11	\$128.95	\$103.16	\$80.00	\$23.16
March-11	\$134.72	\$107.78	\$80.00	\$27.78
April-11	\$134.70	\$107.76	\$80.00	\$27.76
May-11	\$131.54	\$105.23	\$80.00	\$25.23
June-11	\$129.28	\$103.43	\$80.00	\$23.43
July-11	\$127.34	\$101.87	\$80.00	\$21.87
August-11	\$132.71	\$106.17	\$80.00	\$26.17
September-11	\$129.15	\$103.32	\$80.00	\$23.32
October-11	\$124.30	\$99.44	\$80.00	\$19.44
November-11	\$102.70	\$82.16	\$80.00	\$2.16
December-11	\$80.28	\$64.22	\$80.00	(\$15.78)
January-12	\$79.23	\$63.39	\$80.00	(\$16.61)
February-12	\$87.29	\$69.83	\$80.00	(\$10.17)
March-12	\$92.58	\$74.07	\$80.00	(\$5.93)
April-12	\$99.92	\$79.94	\$80.00	(\$0.06)
May-12	\$96.38	\$77.45	\$80.00	(\$2.56)
June-12	\$84.16	\$67.50	\$80.00	(\$12.50)
July-12	\$79.95	\$63.96	\$80.00	(\$16.04)
August-12	\$75.65	\$62.52	\$80.00	(\$17.48)
September-12	\$69.47	\$55.57	\$80.00	(\$24.43)

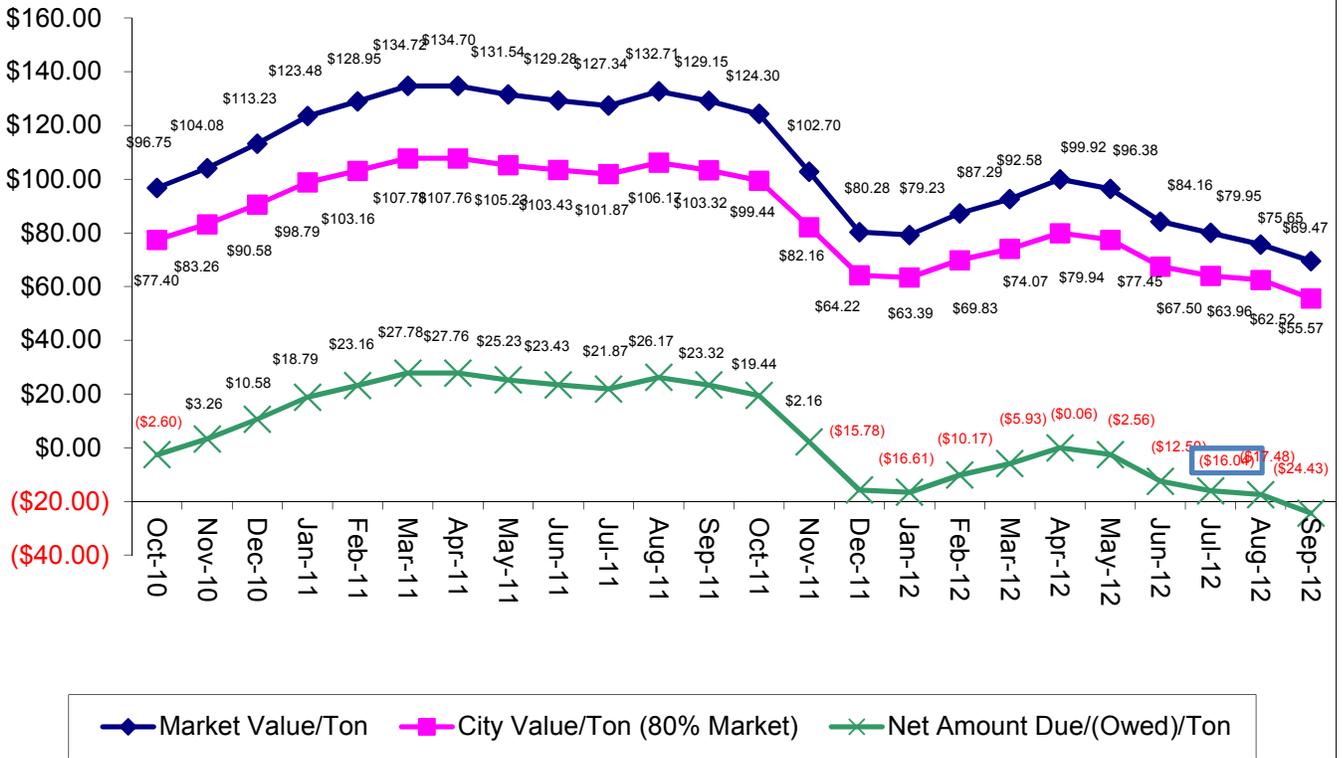
Single Stream Recycling Statistical Report as of September 2012

Material Composition Percentages							
Date of Waste Stream Audit							
Material	10/30 & 11/20/2010	2/19/2011	6/18/2011	10/1/2011	1/14/2012	4/28/2012	8/11/2012
ONP	30.34%	25.89%	21.26%	14.47%	23.36%	18.49%	16.68%
OCC	9.58%	13.99%	12.01%	7.12%	11.84%	9.64%	9.94%
Mixed Paper	12.99%	14.34%	13.72%	26.00%	15.14%	18.33%	20.88%
Tin	1.93%	1.81%	1.65%	1.79%	1.71%	1.81%	1.51%
Aluminum	1.28%	0.95%	1.39%	1.33%	0.89%	1.06%	1.25%
NHDPE	1.06%	1.16%	1.12%	1.08%	0.95%	1.13%	1.10%
CHDPE	1.09%	1.00%	1.07%	1.07%	0.83%	1.16%	0.93%
PETE	3.23%	3.30%	3.36%	3.22%	2.07%	3.00%	3.09%
Glass	28.64%	26.88%	25.36%	26.17%	25.64%	27.18%	25.50%
Residual	7.36%	8.26%	14.86%	13.90%	14.77%	14.46%	15.12%
Plastics 3-7	1.97%	1.83%	3.46%	3.06%	2.18%	2.99%	3.37%
Other	0.53%	0.59%	0.74%	0.79%	0.62%	0.75%	0.63%
For Billing Purposes	100.00% Used for Oct10 thru Jan11	100.00% Used for Feb11 thru May11	100.00% Used for Jun11 thru Sept11	100.00% Used for Oct11 thru Dec11	100.00% Use for Jan12 thru Mar12	100.00% Use for Apr 12 thru Jul 12	100.00% Use for Aug 12 thru Sept 12



Single Stream Recycling Statistical Report as of September 2012

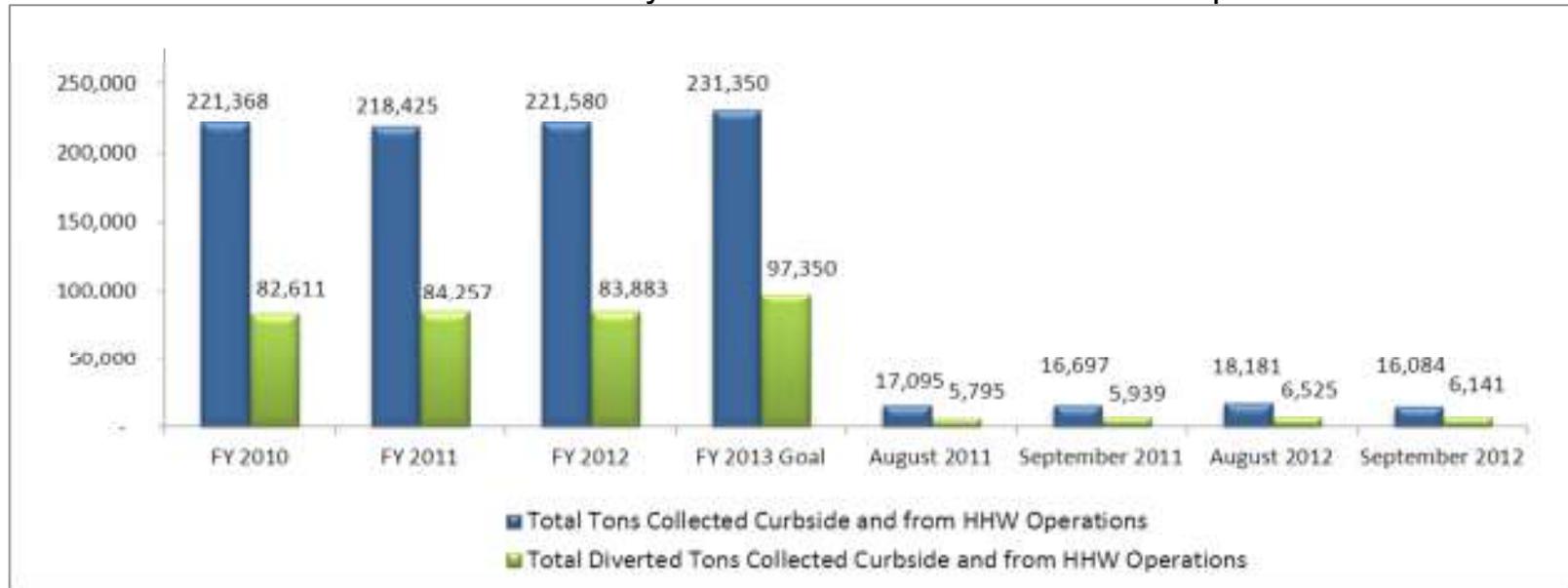
Single Stream Recycling Blended Commodity Values/Ton



Austin Resource Recovery Curbside Collection and HHW Operations

		FY 2009	FY 2010	August 2011	September 2011	FY 2011	August 2012	September 2012	FY 2012	FY 2013 Goal
Tons Disposed	Tons of curbside Garbage	128,519	130,851	10,503	10,110	126,497	10,801	9,331	129,653	127,000
	Tons of Curbside Bulk Disposed	8,033	7,516	759	620	7,276	832	568	7,611	6,600
	HHW Operations Tons Disposed	341	390	38	28	395	23	44	434	400
	Total Disposed Tons Collected Curbside and from HHW Operations	136,893	138,757	11,299	10,759	134,168	11,656	9,943	137,698	134,000
Tons Diverted	Tons of curbside recycling	49,811	52,479	4,517	4,234	52,236	4,549	4,023	54,009	63,000
	HHW Operations Tons recycled/reused	114	132	12	10	164	23	17	208	150
	Tons of Curbside Yard Trimmings	19,497	22,456	803	1,114	24,777	1,210	1,122	21,712	27,000
	Tons of Curbside Bulk Recycled	187	194	23	15	227	13	16	233	800
	Tons of Curbside Brush Collected	7,683	7,350	440	566	6,853	730	963	7,720	6,400
	Total Diverted Tons Collected Curbside and from HHW Operations	77,292	82,611	5,795	5,939	84,257	6,525	6,141	83,883	97,350
Total Tons Collected Curbside and from HHW Operations		214,185	221,368	17,095	16,697	218,425	18,181	16,084	221,580	231,350
Percent of Waste Stream Diverted by Curbside and HHW Operations		36.09%	37.32%	33.90%	35.57%	38.57%	35.89%	38.18%	37.86%	42.08%
Pounds of Garbage collected per customer per pickup		27.90	27.79	26.44	25.43	n/a	26.79	23.24	n/a	26.03
Number of Garbage customers		177,156	181,069	183,481	183,251	n/a	186,246	184,989	n/a	187,676
Pounds of Recycled materials collected per customer per pickup (every other week)		21.61	22.45	22.90	21.44	n/a	22.74	20.20	n/a	25.82
Pounds of Yard Trimmings collected per customer per week		4.23	4.80	2.04	2.82	n/a	3.02	2.82	n/a	5.53
Number of Recycling and Yard Trimmings customers		177,267	179,808	182,244	182,037	n/a	184,783	183,531	n/a	187,676
Total tons of Dead Animals Collected from COA rights-of-way and the animal shelter		153	142	4	5	85	4	4	69	85

Austin Resource Recovery Curbside Collection and HHW Operations



Percent of Waste Stream Diverted by Curbside and HHW Operations

