



To: Zero Waste Advisory Commission
From: Sam Angoori, P.E., Interim Director
Austin Resource Recover Department
Date: April 11, 2018
Subject: **Director's Monthly Report to the Zero Waste Advisory Commission**

Austin Bergstrom International Airport (ABIA) & Waste Diversion

The Aviation Department has demonstrated a commitment to increasing waste diversion at their facilities. In order to understand the effectiveness of the current waste diversion programs, ABIA conducted two studies:

- In 2016 ABIA sought to understand the waste being generated in the terminal.
- In 2017 the study's objective was to understand the waste being collected when airlines deplane at ABIA.

Statistics from [ABIA's 2017 Sustainability Report](#), show that the amount of materials sent to the landfill decreased by 13% while increasing waste diversion rates to 25% from FY15 to FY16. While in 2017 ABIA's terminal recycling program collected an average of 52 tons of recyclable material per month, with a terminal diversion rate of 26%.

Based on those results, ABIA implemented a food donation program in March of 2017. Now, concessionaires' unsold food products, like salads and sandwiches, are donated to Keep Austin Fed, resulting in over 10,000 pounds of fresh food being donated last year. ABIA also implemented composting for back-of-house operations in the terminal. While the program continues to grow, concessionaires collected over 20 tons in 2017.

Consistent with the URO, ABIA deploys a 50/50 trash-to-recycling ratio within the terminal. All of the airlines comply with the URO, and both recycling and trash receptacles are at all terminal gates.

ABIA is in the process of rolling out a pilot program later this summer to place Big Belly diversion receptacles in terminal food courts. Plans call for an employee to initially staff the area and manage diversion by educating passengers on where to place their trash, recyclables and compostable materials.



Big Belly Receptacles

This spring, ABIA staff will also complete installation of liquid-collection containers at all security

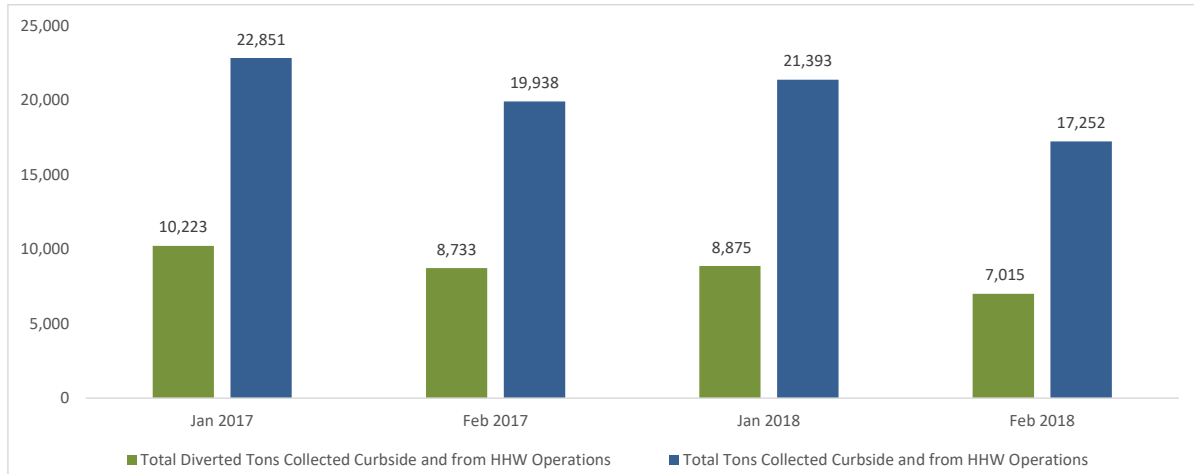
checkpoints. With this initiative, liquids are diverted to the sanitary sewer system instead of being transferred to landfill facilities. As a result, an estimated 75 tons of liquid will be diverted each year.

ABIA continues to work with airlines interested in advancing diversion and litter abatement outside of the airport. For example, one airline will be partnering with the Aviation Department and Keep Austin Beautiful to conduct a clean-up day at Richard Moya Park in southeast Austin later this spring.

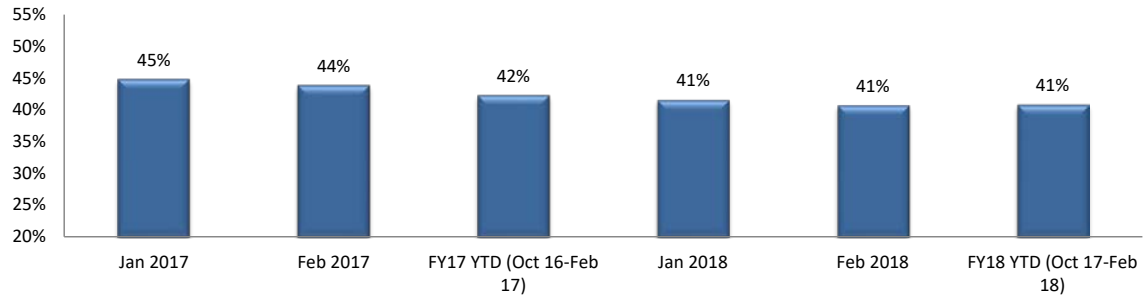
Austin Resource Recovery Curbside Collection and HHW Operations

Description of Services	LAST FISCAL YEAR				CURRENT FISCAL YEAR				FY 2018 Goal
	FY 2016	FY 2017	Jan 2017	Feb 2017	FY17 YTD (Oct 16-Feb 17)	Jan 2018	Feb 2018	FY18 YTD (Oct 17-Feb 18)	
Tons Disposed									
Tons of curbside Trash	129,266	131,815	11,773	10,143	54,233	11,635	9,522	53,294	133,208
Tons of Curbside Bulk Disposed	11,869	11,179	820	1,023	4,083	857	685	3,693	10,900
HHW Operations Tons Disposed	468	471	35	39	173	27	30	168	476
Total Disposed Tons Collected Curbside and from HHW Operations	141,603	143,465	12,628	11,205	58,489	12,519	10,237	57,155	144,108
Tons Diverted									
Tons of curbside recycling	58,879	58,705	5,498	4,547	24,629	5,521	4,308	24,537	60,000
HHW Operations Tons recycled/reused	436	465	34	32	163	27	31	151	498
Tons of Curbside Yard Trimmings	32,605	34,316	4,213	3,540	15,120	2,954	2,173	11,990	41,525
Tons of Curbside Bulk Recycled	276	161	14	12	58	24	12	87	160
Tons of Curbside Brush Collected	8,460	7,367	464	603	2,792	349	490	2,511	8,000
Total Diverted Tons Collected Curbside and from HHW Operations	100,656	101,014	10,223	8,733	42,762	8,875	7,015	39,276	110,183
Total Tons Collected Curbside and from HHW Operations	242,259	244,479	22,851	19,938	101,251	21,393	17,252	96,432	254,291
Percent of Waste Stream Diverted by Curbside and HHW Operations	41.55%	41.32%	44.74%	43.80%	42.23%	41.48%	40.66%	40.73%	43.33%
Pounds of Trash collected per customer per pickup	25.83	26.09	28.00	24.18	25.87	27.00	22.10	24.88	25.89
Number of Trash customers	192,476	194,357	194,091	193,587	193,556	198,872	198,842	197,725	197,876
Pounds of Recycled materials collected per customer per pickup (every other week)	23.69	23.38	26.34	21.84	23.66	25.79	20.13	23.03	23.61
Pounds of Yard Trimmings collected per customer per week	6.56	6.83	10.09	8.50	7.26	6.90	5.08	5.63	8.17
Number of Recycling and Yard Trimmings customers	191,156	193,110	192,716	192,185	192,180	197,598	197,609	196,738	195,520
Number of PAYT pickups	52	52	4.33	4.33	21.67	4.33	4.33	21.67	52
Total tons of Dead Animals Collected from COA rights-of-way and the animal shelter	39	44	3	4	19	5	2	18	42
Estimated tons of curbside recycling processed by vendors as residual - based on bi-annual sample route audit	9,556	9,471	839	693	3,812	947	735	4,199	9,927
Tons of Curbside Textiles Collected	N/A	245	48	26	135	12	10	49	171
Tons of Curbside Compost Collected	4,123	5,069	537	490	2,235	1,162	904	4,971	20,221

Austin Resource Recovery Curbside Collection and HHW Operations



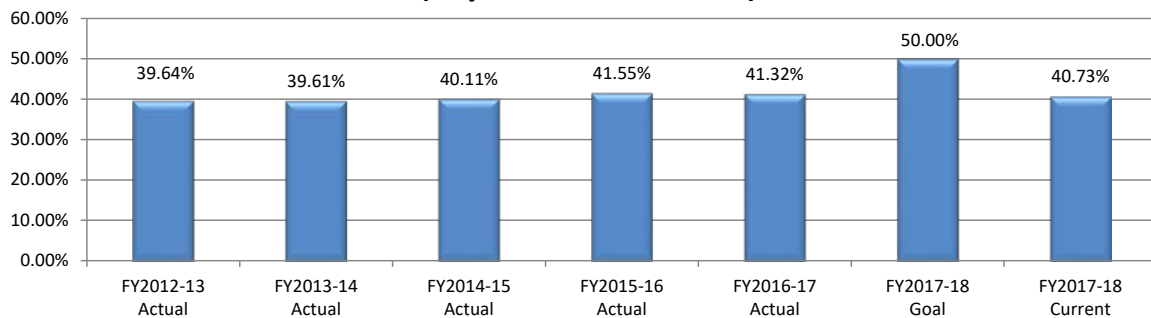
Percent of Waste Stream Diverted from Curbside and HHW Operations



Reporting Status and Diversion Results for All Categories of Waste Generation							
Category of Waste Generation	FY2012-13 Actual	FY2013-14 Actual	FY2014-15 Actual	FY2015-16 Actual	FY2016-17 Actual	FY2017-18 Goal	FY2017-18 Current
Residential Waste Diversion (city serviced accounts)	39.64%	39.61%	40.11%	41.55%	41.32%	50.00%	40.73%
Community Diversion Rate	*	*	*	42.02%	*	*	*

*As prescribed in the Austin Resource Recovery Master Plan, the Department will conduct a detailed waste assessment study every five years to determine progress toward our Zero Waste goal. The first such study was published in 2015 and is titled Austin's 2015 Community Diversion Study. The study focused on estimating diversion from both ARR-serviced properties and commercial properties. Commercial properties include retail businesses, food service establishments, professional offices, industrial properties, institutional facilities, government facilities, and multifamily properties five units and larger.

Residential Waste Diversion (city serviced accounts)





ARR Solicitations Update
ZWAC Meeting Date: April 11, 2018

ARR Solicitations under Development (in alphabetical order)

1. **Emergency Debris Removal Services:** RFP – Contractor to provide emergency debris removal services in accordance with the Federal Emergency Management Administration (FEMA) policies and guidelines. This is a new Contract.
2. **Emergency Debris Monitoring Services:** RFP – Contractor to provide emergency field debris monitoring services to include management and accounting services for monitoring the recovery efforts of the City's Post Disaster Debris Removal Contractor. This is a new Contract.
3. **Reverse Pitch:** RFP – Contractor to plan, coordinate, and implement the City's annual Reverse Pitch Competition, a social innovation program designed to help turn valuable discarded materials generated at local businesses, non-profits, and institutions into the foundation of new businesses. This a new Contract.
4. **Rigid Plastics:** RFP – Contractor to pick up, transport, and recycle rigid plastics dropped off by citizens at ARR's Resource Recovery Drop Off Center (RRDOC). Current Contract Documents:
https://www.ci.austin.tx.us/financeonline/contract_catalog/OCCViewMA.cfm?cd=MA&dd=1500&id=NA150000067
5. **Truck Cameras:** IFB – Contractors to deliver and install exterior video recording systems that can fulfill the current and future needs of the City's fleet of solid waste collection vehicles. This is a new Contract.

No Requests for Information (RFI) are scheduled to be issued in the next 30 days:

Definitions:

Request for Proposals (RFP): Formal request for a supplier to provide a solution and cost estimate to a complex need.

Invitation for Bid (IFB): Formal bidding documents inviting suppliers to submit pricing for goods or services.

Request for Quotation (RFQ): Informal request to suppliers to provide quotes on specific goods or services.

Zero Waste Advisory Commission - April 4th, 2018
Single Stream Recycling Statistical Report
FY18: October 2017 - February 2018
Texas Disposal Systems (TDS) and Balcones Resources, Inc. (BRI)

Month and Year	Contractor	Tons Delivered	Contractor Payments			Net Value to the City \$ per ton value	Landfill Cost Avoidance	
			Revenue	Processing Cost	Net Amount Due/(Owed)		Cost Per Ton	Total
October 2017	TDS	2,189.11	\$115,337	\$198,114	(\$82,777)	(\$37.81)	\$21.99	\$48,139
	BRI	2,619.00	\$68,017	\$194,521	(\$126,504)	(\$48.30)	\$21.99	\$57,592
	<i>Total</i>	4,808.11	\$183,354	\$392,635	(\$209,281)			\$105,730
November 2017	TDS	1,836.05	\$83,079	\$166,163	(\$83,084)	(\$45.25)	\$21.99	\$40,375
	BRI	3,135.81	\$75,579	\$224,469	(\$148,890)	(\$47.48)	\$21.99	\$68,956
	<i>Total</i>	4,971.86	\$158,658	\$390,632	(\$231,974)			\$109,331
December 2017	TDS	1,905.47	\$86,947	\$172,445	(\$85,498)	(\$44.87)	\$21.99	\$41,901
	BRI	3,076.03	\$77,502	\$221,181	(\$143,679)	(\$46.71)	\$21.99	\$67,642
	<i>Total</i>	4,981.50	\$164,449	\$393,626	(\$229,177)			\$109,543
January 2018	TDS	2,469.47	\$114,108	\$223,487	(\$109,379)	(\$44.29)	\$21.99	\$54,304
	BRI	3,051.51	\$77,835	\$224,382	(\$146,547)	(\$48.02)	\$21.99	\$67,103
	<i>Total</i>	5,520.98	\$191,943	\$447,869	(\$255,926)			\$121,406
February 2018	TDS	1,731.32	\$75,379	\$156,684	(\$81,305)	(\$46.96)	\$21.99	\$38,072
	BRI	2,573.31	\$62,284	\$191,825	(\$129,541)	(\$50.34)	\$21.99	\$56,587
	<i>Total</i>	4,304.63	\$137,663	\$348,509	(\$210,846)			\$94,659
FY18 Totals		24,587.08	\$836,067	\$1,973,271	(\$1,137,204)			\$540,670