



To: Zero Waste Advisory Commission

From: Sam Angoori, P.E., Interim
Director Austin Resource
Recovery Department

Date: September 6, 2018

Subject: **Director's Monthly Report to the Zero Waste Advisory Commission**

Expansion of Household Hazardous Waste Program

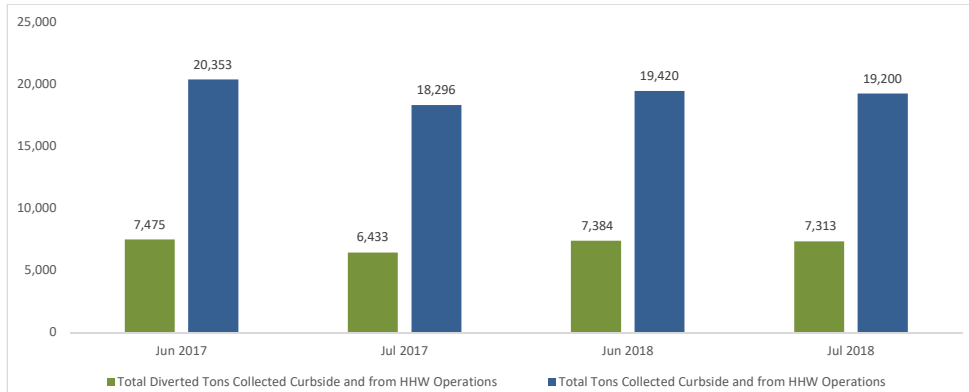
Since opening six days per week, the program has increased participation from 17,925 customers and collecting 1,477,925 pounds in FY14, to the current pace of 30,750 customers and 1,898,460 for FY18. While a 72% increase is very good, there are other options to explore to potentially expand the program further:

- Another RRDOC with the same capabilities of the current facility, is planned at the new North Service Center.
- Work with our current vendor to look at the possibility of an off-site collection event.
- Look at other City properties that might be able to house a "scaled down" version of the current HHW Facility. Possibly a site that collects just Latex Paint, Used Oil, Batteries, and Antifreeze.
- Work with Travis County to find alternative collection sites.
- Work with other municipalities for potential collection sites or collection events. This has potential for additional collection sites and shared costs.
- Look into a pilot for on-call home pick up of HHW in different areas of Austin

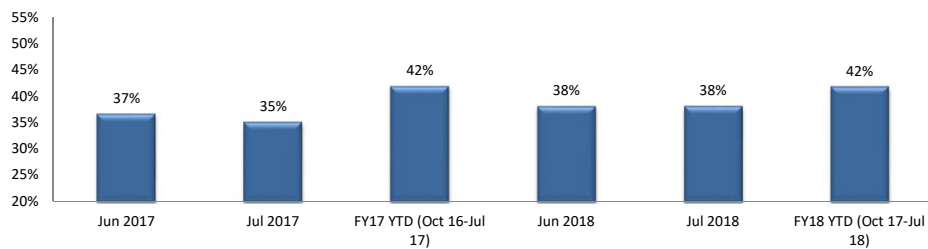
Austin Resource Recovery Curbside Collection and HHW Operations

		LAST FISCAL YEAR					CURRENT FISCAL YEAR			
Description of Services		FY 2016	FY 2017	Jun 2017	Jul 2017	FY17 YTD (Oct 16-Jul 17)	Jun 2018	Jul 2018	FY18 YTD (Oct 17-Jul 18)	FY 2018 Goal
Tons Disposed	Tons of curbside Trash	129,266	131,815	11,481	10,565	109,863	10,574	10,660	108,433	133,208
	Tons of Curbside Bulk Disposed	11,869	11,179	1,350	1,256	8,804	1,396	1,173	8,314	10,900
	HHW Operations Tons Disposed	468	471	48	42	393	66	53	438	476
	Total Disposed Tons Collected Curbside and from HHW Operations	141,603	143,465	12,879	11,863	119,060	12,036	11,886	117,186	144,584
	Estimated Tons of Curbside Recycling Residuals*	9,556	9,471	862	780	7,790	983	980	8,678	9,927
*Estimated tons of curbside recycling processed by vendors as residual - based on bi-annual sample route audit										
Tons Diverted	Tons of curbside recycling	58,879	58,705	4,986	4,553	48,895	4,768	4,854	49,237	60,000
	HHW Operations Tons recycled/reused	436	465	48	44	382	47	47	374	498
	Tons of Curbside Yard Trimmings	32,605	34,316	1,824	1,322	30,299	1,962	1,869	28,869	41,525
	Tons of Curbside Bulk Recycled	276	161	25	25	138	35	22	179	160
	Tons of Curbside Brush Collected	8,460	7,367	557	474	5,836	550	504	5,041	8,000
	Tons of Curbside Textiles Collected	N/A	245	16	15	223	14	18	134	171
	Tons of Carts Recycled	150	197	18	0	180	8	0	128	250
	Total Diverted Tons Collected Curbside and from HHW Operations	100,807	101,456	7,475	6,433	85,953	7,384	7,313	83,962	110,604
	Tons of Curbside Compost Collected**	4,123	5,069	330	241	4,415	1,009	1,271	12,103	20,221
***Tons of Curbside Compost Collected" is included in the "Tons of Yard Trimmings Collected".										
Total Tons Collected Curbside and from HHW Operations		242,409	244,921	20,353	18,296	205,013	19,420	19,200	201,148	255,188
Percent of Waste Stream Diverted by Curbside and HHW Operations		41.55%	41.32%	36.62%	35.11%	41.81%	38.02%	38.09%	41.74%	43.34%
NEW* - Estimated Percent of Curbside Collected Materials Diverted from Landfills by ARR		37.60%	37.51%	32.40%	30.80%	38.08%	32.91%	32.91%	37.39%	38.20%
Pounds of Trash collected per customer per pickup		25.83	26.09	27.13	24.94	26.11	24.30	24.44	25.14	25.89
Number of Trash and Recycling Customers		192,476	194,357	195,349	195,538	194,216	200,876	201,356	199,046	197,876
Pounds of Recycled materials collected per customer per pickup (every other week)		23.69	23.38	23.73	21.65	23.40	22.04	22.39	22.96	23.61
Pounds of Yard Trimmings collected per customer per week		6.56	6.83	4.34	3.14	7.25	4.54	4.31	6.73	8.17
Number of Yard Trimmings/Organics Customers		191,156	193,110	194,002	194,168	192,862	199,674	200,125	197,946	195,520
Number of PAYT pickups		52	52	4.33	4.33	43.33	4.33	4.33	43.33	52
Total tons of Dead Animals Collected from COA rights-of-way and the animal shelter		39	44	3	4	38	2	3	32	42

Austin Resource Recovery Curbside Collection and HHW Operations



Percent of Waste Stream Diverted from Curbside and HHW Operations



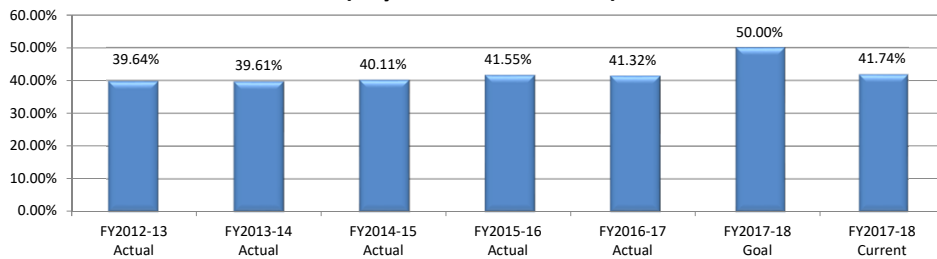
Reporting Status and Diversion Results for All Categories of Waste Generation

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%	41.74%
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.

**Numbers reported here are compiled from data submitted by private waste haulers via the semi-annual tonnage reports required under Section 15-6-3 of the City Code. Numbers reported for CY17 are as of 4/9/18, and corrections for past years are also pending.

Residential Waste Diversion (city serviced accounts)



Category of Waste Generation	CY 2013	CY 2014	CY 2015	CY 2016	CY 2017
Commercial Tons Landfilled**	Past data is currently being compiled				1,708,484
Commercial Tons Recycled**					722,573
Commercial Organics Tons**					97,173

** Numbers reported here are compiled from self-reported data submitted by licensed private waste haulers via semi-annual tonnage reports required under Section 15-6-3 of the City Code on a calendar year basis and as such, ARR does not attest to the accuracy of these amounts. These numbers reflect data from 100-200 licensed haulers (number of haulers varies over time), and include haulers servicing dumpsters, roll-offs, construction and demolition debris, landscaping debris, and metal scrap. These numbers do not reflect all data sources included in Austin's 2015 Community Diversion Study.

Zero Waste Advisory Commission - August 15th, 2018

Single Stream Recycling Statistical Report

FY18: October 2017 - July 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
	Total	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
	Total	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
	Total	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
	Total	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
	Total	4,304.63	\$137,663	\$348,509	(\$210,846)			\$94,659
March 2018	TDS	1,779.68	\$73,714	\$161,061	(\$87,347)	(\$49.08)	\$21.99	\$39,135
	BRI	3,209.71	\$69,386	\$228,534	(\$159,148)	(\$49.58)	\$21.99	\$70,582
	Total	4,989.39	\$143,100	\$389,595	(\$246,495)			\$109,717
April 2018	TDS	2,044.21	\$90,088	\$185,001	(\$94,913)	(\$46.43)	\$21.99	\$44,952
	BRI	2,706.52	\$57,099	\$199,685	(\$142,586)	(\$52.68)	\$21.99	\$59,516
	Total	4,750.73	\$147,187	\$384,686	(\$237,499)			\$104,469
May 2018	TDS	2,003.78	\$83,448	\$181,342	(\$97,894)	(\$48.85)	\$21.99	\$44,063
	BRI	3,272.99	\$61,180	\$232,014	(\$170,835)	(\$52.20)	\$21.99	\$71,973
	Total	5,276.77	\$144,628	\$413,357	(\$268,729)			\$116,036
June 2018	TDS	1,841.88	\$76,941	\$166,690	(\$89,749)	(\$48.73)	\$22.52	\$41,479
	BRI	2,908.47	\$61,463	\$211,600	(\$150,137)	(\$51.62)	\$22.52	\$65,499
	Total	4,750.35	\$138,403	\$378,290	(\$239,887)			\$106,978
July 2018	TDS	2,181.99	\$93,506	\$197,470	(\$103,965)	(\$47.65)	\$22.52	\$49,138
	BRI	2,647.37	\$57,551	\$196,195	(\$138,644)	(\$52.37)	\$22.52	\$59,619
	Total	4,829.36	\$151,056	\$393,665	(\$242,609)			\$108,757
FY18 Totals		49,183.68	\$1,560,441	\$3,932,863	(\$2,372,422)			\$1,086,626