



To: Zero Waste Advisory Commission

From: Ken Snipes
Director
Austin Resource Recovery

Date: November 18th, 2020

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

Multi-family Compost Pilot

The Zero Waste Advisory Commission was briefed on a multifamily compost pilot in 2019. This pilot was originally intended to be conducted in the spring and summer of 2020 with the purpose of informing future policy direction, but was put on hold due to the ongoing pandemic.

Work continues on this project with the intent of launching a new pilot in 2021. Staff has contacted previously confirmed participant properties. Nine of the ten properties originally committed to the pilot have stated they remain interested in participating. Additional properties are being contacted in search of new participants to add to the total.

While funding for the project was identified in FY21 budget, it has recently come to staff's attention that the use of the Clean Community Fee to fund this pilot may not be an option moving forward. Staff is currently evaluating alternative funding sources necessary for this project to continue.

austinrecycles.com

ARR Fleet Purchases FY 21

Under the current Fleet Master Agreement, ARR is scheduled to purchase the following types of equipment for Fiscal Year 21. ARR is replacing 36 units and adding 15 additional pieces of equipment, including vehicles for the new Clean Creeks Program.

Litter Abatement			
Number of Units	Type	Area	Fuel
6	Multi-packs	Curbside Compost	Bio-Diesel
1	Street Sweeper	Street Sweeping	Bio-Diesel
2	Street Sweepers	Litter Control	Bio-Diesel
2	25-Yard Rearloaders	Curbside Compost	Bio-Diesel
1	25-Yard Rearloader	Brush Collection	Bio-Diesel
3	25-Yard Rearloaders	Bulk Collection	Bio-Diesel
1	12-Yard Rearloader	Curbside Compost	Bio-Diesel
2	Trash Trailers	Clean Creeks	Bio-Diesel
2	Crew Cabs	Clean Creeks	Flex Fuel/E85
2	Box Truck with Dump Bed	Dead Animal Collection	Bio-Diesel
3	Supervisor Pickups	Curbside Compost	Flex Fuel/E85
1	Supervisor Pickup	Clean Creeks	Flex Fuel/E85

Collections			
Number of Units	Type	Area	Fuel
12	Automated Side Loaders	Garbage	Bio-Diesel
3	Automated Side Loaders	Recycle	Bio-Diesel
6	25-Yard Rearloaders	Recycle	Bio-Diesel
1	25-Yard Rearloader	Garbage	Bio-Diesel
1	13-Yard Rearloader	Curbside Compost	Bio-Diesel

Diversion Facilities			
Number of Units	Type	Area	Fuel
1	Tandem Haul Tractor	Landfill Closure	Bio-Diesel

Administration			
Number of Units	Type	Area	Fuel
1	12 Passenger Transit Van	Safety/Training	Flex Fuel/E85

Total Units: 51



ARR Solicitations Update
As of October 20, 2020
ZWAC Meeting November 18, 2020

Upcoming Solicitations Under Development (in alphabetical order):

No Updates

Solicitations Expected to be Posted Within the Next 90 Days:

1. Daily Drop-Off of Material Collected Through Dumpster or Roll-Off Service: IFB – Contractor to receive daily collections of bulk materials from the City at their disposal facility or landfill. No existing contract.
2. Education, Cleanup, and Beautification Services: RFP – Contractors qualified to provide education, cleanup, and beautification services that benefit the public by improving Austin's environment and aesthetics through a variety of programs and providing resources and education that inspire Austin residents toward effective environmental stewardship. [Link to current contract](#).
3. Post-Disaster Debris Removal Services: RFP – Contractor to provide emergency debris removal services in accordance with Federal Emergency Management Administration (FEMA) guidelines. No existing contract.
4. Post-Disaster 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. No existing contract.

Published Solicitations:

No Updates

Solicitations in Evaluation or Negotiation:

1. Electronics Recycling: [IFB 1500 SLW1045](#) – This solicitation was posted on August 24, 2020 and closed on September 17, 2020. Contractor to pick up, transport, and recycle computers, monitors, televisions, and other devices that operate using electrical parts in an environmentally sound manner. [Link to current contract](#).
2. Recycling Processing for Non-Curbside Collections: [IFB 1500 SLW1043](#) – This solicitation posted on June 15, 2020 and closed on July 28, 2020. Contractor to provide single-stream recyclable material processing and marketing services to sort, process, store, market, and sell single-stream recyclable material. The Contractor shall be responsible for picking up the recyclable material collected at the Recycle and Reuse Drop-off Center and receiving the recyclable material collected by ARR from City facilities. This is replacing two contracts: [In-House Recycling](#) and [RRDOC Recycling](#).

Definitions:

CCO (Capital Contracting Office): Administers the procurement of professional and construction services.

CO-OP (Cooperative Contract): A contract that has been competitively bid and issued by another government or purchasing alliance with the intention of sharing it with other governmental entities.

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

RFI (Request for Information): Used to obtain industry input, feedback, or reactions from potential suppliers prior to issuing a solicitation.

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

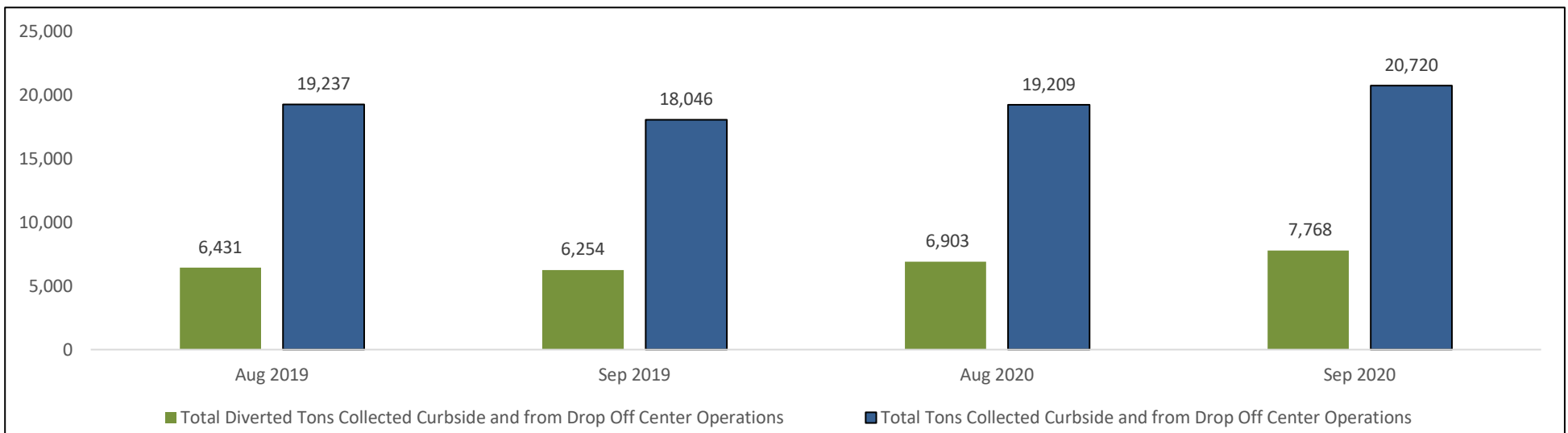
RFQS (Request for Qualifications): Formal solicitation used when qualifications are the main criteria for professional services.

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

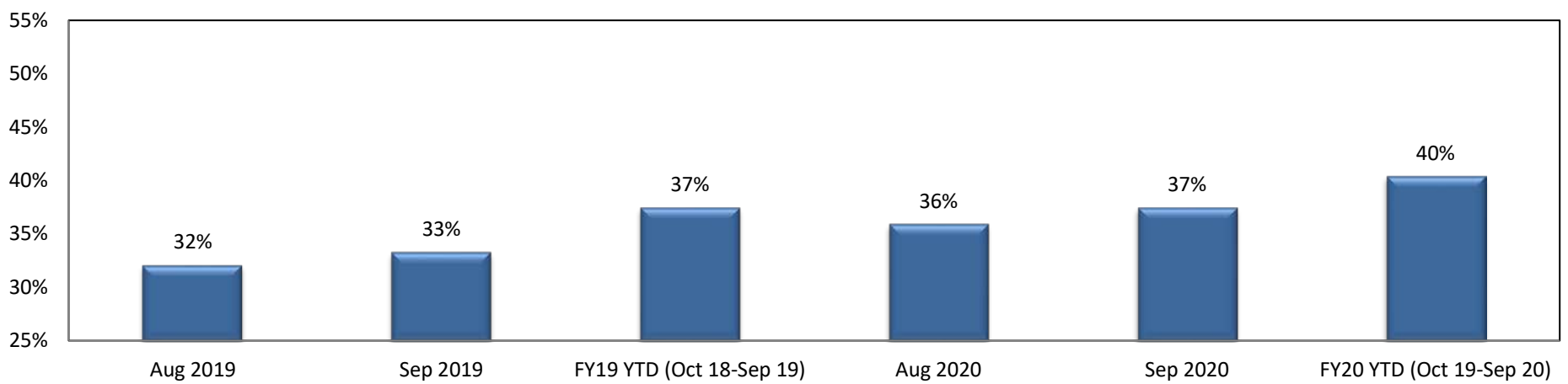
Austin Resource Recovery Curbside Collection and Drop Off Center Operations

		LAST FISCAL YEAR					CURRENT FISCAL YEAR			
		FY 2018	FY 2019	Aug 2019	Sep 2019	FY19 YTD (Oct 18-Sep 19)	Aug 2020	Sep 2020	FY20 YTD (Oct 19-Sep 20)	FY 2020 Goal
Description of Services										
Tons Disposed	Tons of curbside Trash	128,829	130,307	10,413	9,914	130,307	11,317	11,903	136,709	132,546
	Tons of Curbside Bulk Disposed	10,231	11,040	1,292	868	11,040	39	34	5,379	10,248
	HHW Operations Tons Disposed	528	517	58	35	517	33	27	347	560
	Estimated Tons of Curbside Recycling Residuals*	10,642	11,761	1,043	974	11,761	917	987	11,302	10,670
	Total Disposed Tons Collected Curbside and from Drop Off Center Operations	150,230	153,625	12,806	11,792	153,625	12,306	12,952	153,737	154,024
*Estimated tons of curbside recycling processed by vendors as residual - based on bi-annual sample route audit										
Tons Diverted	Tons of curbside recycling	48,005	47,528	3,607	3,473	47,528	4,238	4,549	52,122	50,250
	RRC Tons Recycled/Reused	1,986	2,259	172	193	2,259	7	8	1,218	2,600
	RRC Tons of Brush Collected	1,505	2,595	206	171	2,595	0	5	1,722	2,500
	HHW Operations Tons recycled/reused	469	477	48	30	477	20	11	247	560
	Tons of Drop Off Center Collections Recycled/Reused	3,759	5,073	403	387	5,073	26	24	3,060	5,450
	Tons of Curbside Yard Trimmings	32,244	37,265	1,689	1,802	37,265	2,601	3,162	48,105	37,500
	Tons of Curbside Bulk Recycled	201	257	23	7	257	2	0	127	210
	Tons of Curbside Brush Collected	6,292	6,447	675	585	6,447	28	2	3,323	7,373
	Tons of Curbside Textiles Collected	150	77	0	0	77	8	5	25	157
	Tons of Carts Recycled	154	166	34	0	166	0	27	193	175
	Total Diverted Tons Collected Curbside and from Drop Off Center Operations	90,805	96,813	6,431	6,254	96,813	6,903	7,768	106,955	101,115
Tons of Curbside Compost Collected**		14,414	22,040	1,162	1,312	22,040	2,205	2,671	38,711	31,300
**"Tons of Curbside Compost Collected" is included in the "Tons of Yard Trimmings Collected"										
Total Tons Collected Curbside and from Drop Off Center Operations		241,035	250,438	19,237	18,046	250,438	19,209	20,720	260,692	255,139
Estimated Percent of Curbside Collected Materials Diverted from Landfills by ARR		36.77%	37.47%	32.10%	33.29%	37.47%	35.91%	37.47%	40.38%	38.05%
Pounds of Trash collected per customer per pickup		24.84	24.78	23.55	22.45	24.78	25.17	26.45	25.57	24.92
Number of Trash and Recycling Customers		199,448	202,292	204,089	203,854	202,292	207,530	207,698	205,670	204,549
Pounds of Recycled materials collected per customer per pickup (every other week)		18.62	18.17	16.41	15.81	18.17	18.96	20.34	19.61	18.99
Pounds of Yard Trimmings collected per customer per week		6.25	7.12	3.84	4.10	7.12	5.82	7.07	9.05	7.09
Number of Yard Trimmings/Organics Customers		198,325	201,174	202,866	202,722	201,174	206,347	206,453	204,506	203,508
Total tons of Dead Animals Collected from COA rights-of-way and the animal shelter		36	30	3	2	30	2	2	34	32

Austin Resource Recovery Curbside Collection and Drop Off Center Operations



Estimated Percent of Curbside Collected Materials Diverted from Landfills by ARR

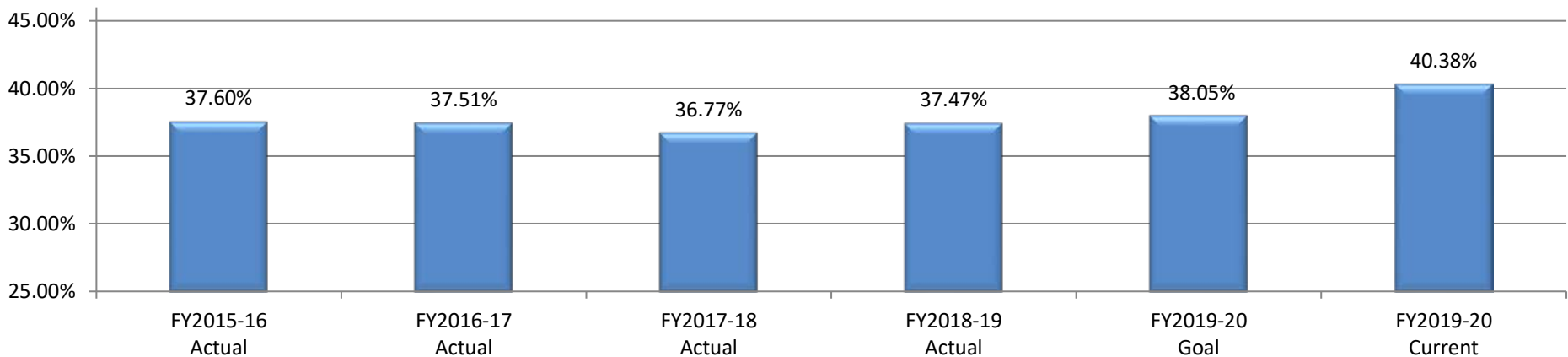


Reporting Status and Diversion Results for All Categories of Waste Generation

Category of Waste Generation	FY2015-16 Actual	FY2016-17 Actual	FY2017-18 Actual	FY2018-19 Actual	FY2019-20 Goal	FY2019-20 Current
Residential Waste Diversion (city serviced accounts)	37.60%	37.51%	36.77%	37.47%	38.05%	40.38%
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. According to Austin's 2015 Community Diversion Study, Residential Waste Diversion Rate (city serviced accounts) represents approximately 15% and the Community Diversion Rate (accounts serviced by private waste haulers) represents approximately 85% of the total citywide wastage.

Residential Waste Diversion (city serviced accounts)



Category of Waste Generation	CY 2017	CY 2018	CY 2019
Commercial Tons Landfilled**	1,708,484	1,079,312	1,401,619
Commercial Tons Recycled**	722,573	402,292	470,786
Commercial Organics Tons**	97,173	80,906	102,215

** 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 - November 18, 2020

Single Stream Recycling Statistical Report

FY20: October 2019 - September 2020

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 2019	TDS	1,939.98	\$44,128	\$175,568	(\$131,440)	(\$67.75)	\$22.93	\$44,484
	BRI	2,982.78	\$40,533	\$215,984	(\$175,451)	(\$58.82)	\$22.93	\$68,395
	Total	4,922.76	\$84,661	\$391,552	(\$306,891)			\$112,879
November 2019	TDS	1,753.88	\$43,495	\$158,726	(\$115,231)	(\$65.70)	\$22.93	\$40,216
	BRI	2,816.24	\$41,361	\$206,158	(\$164,797)	(\$58.52)	\$22.93	\$64,576
	Total	4,570.12	\$84,856	\$364,884	(\$280,028)			\$104,793
December 2019	TDS	2,346.49	\$61,255	\$212,357	(\$151,103)	(\$64.40)	\$22.93	\$53,805
	BRI	2,808.82	\$43,110	\$205,720	(\$162,610)	(\$57.89)	\$22.93	\$64,406
	Total	5,155.31	\$104,365	\$418,078	(\$313,713)			\$118,211
January 2020	TDS	1,994.14	\$54,872	\$180,470	(\$125,597)	(\$62.98)	\$22.93	\$45,726
	BRI	3,584.11	\$59,448	\$249,126	(\$189,678)	(\$52.92)	\$22.93	\$82,184
	Total	5,578.25	\$114,321	\$429,596	(\$315,275)			\$127,909
February 2020	TDS	1,761.00	\$44,898	\$159,371	(\$114,473)	(\$65.00)	\$22.93	\$40,380
	BRI	2,566.90	\$43,932	\$191,447	(\$147,515)	(\$57.47)	\$22.93	\$58,859
	Total	4,327.90	\$88,830	\$350,818	(\$261,988)			\$99,239
March 2020	TDS	2,297.58	\$55,228	\$207,931	(\$152,703)	(\$66.46)	\$22.93	\$52,684
	BRI	2,811.25	\$46,526	\$205,863	(\$159,337)	(\$56.68)	\$22.93	\$64,462
	Total	5,108.83	\$101,754	\$413,794	(\$312,040)			\$117,145
April 2020	TDS	2,438.65	\$67,181	\$220,698	(\$153,517)	(\$62.95)	\$22.93	\$55,918
	BRI	3,432.02	\$61,906	\$240,761	(\$178,854)	(\$52.11)	\$22.93	\$78,696
	Total	5,870.67	\$129,088	\$461,459	(\$332,371)			\$134,614
May 2020	TDS	2,250.47	\$77,502	\$203,668	(\$126,166)	(\$56.06)	\$22.93	\$51,603
	BRI	3,457.47	\$80,108	\$242,161	(\$162,053)	(\$46.87)	\$22.93	\$79,280
	Total	5,707.94	\$157,610	\$445,828	(\$288,219)			\$130,883
June 2020	TDS	2,723.58	\$84,324	\$246,484	(\$162,160)	(\$59.54)	\$22.87	\$62,288
	BRI	3,080.17	\$62,228	\$221,409	(\$159,182)	(\$51.68)	\$22.87	\$70,443
	Total	5,803.75	\$146,551	\$467,893	(\$321,342)			\$132,732
July 2020	TDS	2,031.04	\$58,786	\$183,809	(\$125,023)	(\$61.56)	\$22.87	\$46,450
	BRI	3,655.56	\$66,359	\$253,056	(\$186,697)	(\$51.07)	\$22.87	\$83,603
	Total	5,686.60	\$125,145	\$436,865	(\$311,720)			\$130,053
August 2020	TDS	2,258.41	\$70,507	\$204,386	(\$133,879)	(\$59.28)	\$22.87	\$51,650
	BRI	2,897.31	\$58,664	\$210,941	(\$152,278)	(\$52.56)	\$22.87	\$66,261
	Total	5,155.72	\$129,171	\$415,328	(\$286,157)			\$117,911
September 2020	TDS	2,294.06	\$78,844	\$207,612	(\$128,769)	(\$56.13)	\$22.87	\$52,465
	BRI	3,248.67	\$70,509	\$230,677	(\$160,168)	(\$49.30)	\$22.87	\$74,297
	Total	5,542.73	\$149,353	\$438,289	(\$288,937)			\$126,762
FY20 Totals		63,430.58	\$1,415,704	\$5,034,384	(\$3,618,680)			\$1,453,132