



**To:** Zero Waste Advisory Commission

**From:** Ken Snipes  
Director  
Austin Resource Recovery

**Date:** January 11, 2023

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

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**Staff Response to Single Use Plastics Resolution No. 20221013-075**

Memo was provided to respond to Resolution No. 20221013-075, which directed the City Manager to implement a strategy, engage with stakeholders, and provide public education campaigns to reduce the use of single-use plastic by restaurants, bars, and other commercial food or beverage establishments; to work with the Austin Restaurant Association and other stakeholders to promote replacing single-use plastics and styrofoam with biodegradable materials; and to explore ways to reduce reliance and use of disposable plastic water bottles by Austin visitors as well as City employees and residents at City-owned facilities.

**Staff Recommendation on Requiring Organic Waste Collection at Additional Properties**

Memo was provided to respond to Resolution No. 20191017-028, which directed the City Manager to make recommendations to City Council, after ARR completed a multifamily compost pilot, on possible amendments to the Universal Recycling Ordinance (URO) to include organic waste collection at commercial and multifamily properties, considering the interests of all relevant stakeholders.

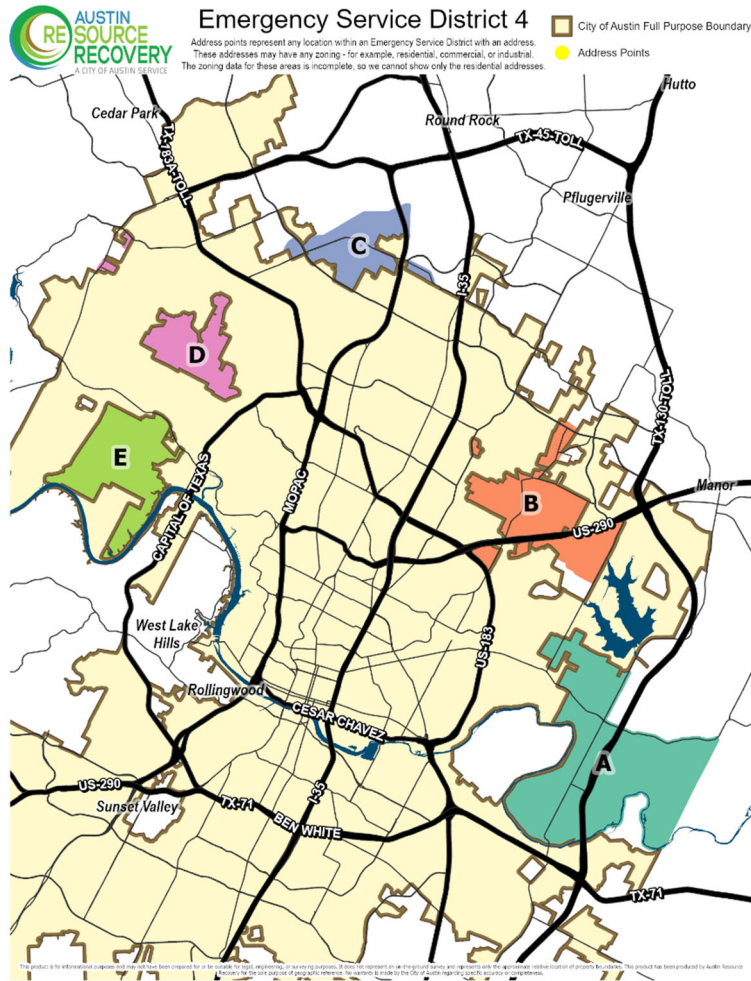
**Commission and Committee Contact**

In an effort to streamline communication surrounding ZWAC and any associated committees, Yahel Baranovicht has been designated as the single point of contact. She will assist with answering any questions and/or ensuring you are contacted by someone who can further assist you. Yahel has shared all contact information via email.

**Emergency Service District 4 Brush Collection**

To help mitigate the risk of wildfires, Austin Fire and Austin Resource Recovery partnered to provide brush collection services for citizens in the Emergency Service District 4 areas. ARR began providing brush collection services to residents in the ESD 4 areas in 2021 and continued in 2022.

The ESD 4 service area contains approximately 8000 homes and is broken into five sections (see map).



ARR provides service to each section over the course of a week. Mailers are sent approximately four weeks ahead of the service date notifying customers of the upcoming collection as well as set-out guidelines. Collections for 2023 are scheduled for January and February.

Since the agreement was implemented, ARR has seen an increase in participation and as well as tons collected:

Year	Number of Collections	Tons Collected
2021	374	73.52
2022	526	135.3



ARR Solicitations Update  
As of January 03, 2023  
ZWAC Meeting January 11, 2023

**Solicitations Expected to be Posted Within the Next 90 Days & Published Solicitations:**

1. **Fleet System Enhancement:** CO-OP - The Contractor shall provide the fleet of solid waste collection vehicles with a fully integrated data management system to include software, hardware, installation, interface, integration, implementation, and maintenance and repair of all the components. [Link to the current contract.](#)
2. **Sale of Used Collection Carts and Materials for Recycling:** IFB – The Contractor shall purchase, transport, and recycle trash carts and materials including carts, lids, and wheels that the City of Austin deems no longer usable. [Link to the current contract.](#)
3. **Sustainable Vehicle Wraps and Installation Services:** IFB - The Contractor shall provide high-performance non-PVC polymer vehicle wraps with lower environmental impact than PVC-based materials and installation services on various vehicles. New Contract.

**Solicitations in Evaluation or Negotiation:**

N/A.

**Upcoming Solicitations and Agreements Under Development (in alphabetical order):**

1. **Household Hazardous Waste and Recycling Collection Services:** ILA – The City will provide household hazardous waste, recycling, and other collection services for Travis County households located outside the incorporated limits of the city.

**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.

ILA (Interlocal Agreement): A collaborative contract between local government entities (for example, ARR and a county, state, or school district) to provide more efficient and less costly services, where any payments are made from current revenues.

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.

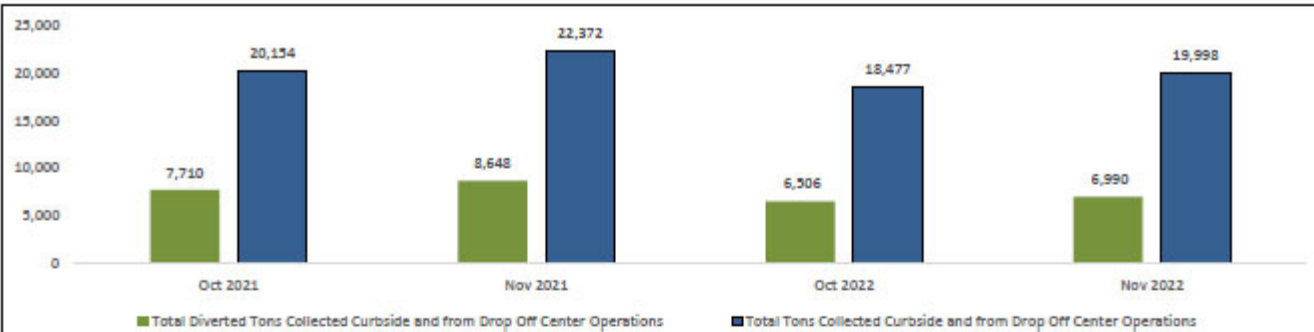
RFP (Request for Proposals): Formal request for a supplier to provide a solution and cost estimate to a complex need.

# Austin Resource Recovery Curbside Collection and Drop Off Center Operations

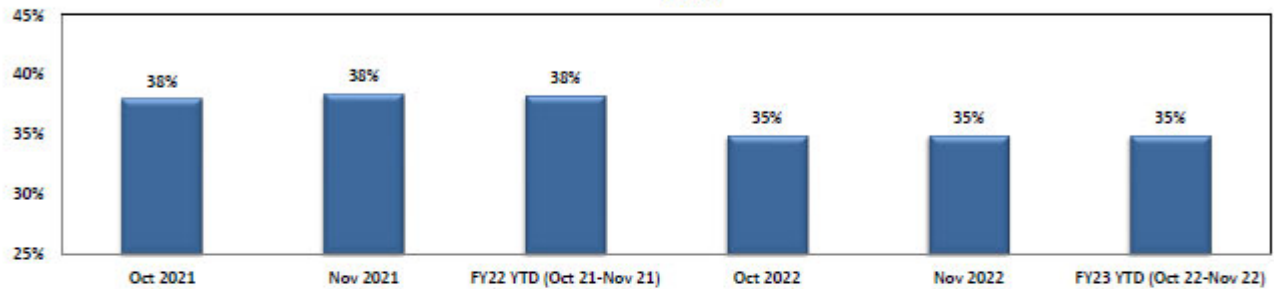
		LAST FISCAL YEAR				CURRENT FISCAL YEAR				
Description of Services		FY 2021	FY 2022	Oct 2021	Nov 2021	FY22 YTD (Oct 21-Nov 21)	Oct 2022	Nov 2022	FY23 YTD (Oct 22-Nov 22)	FY 2023 Goal
Tons Disposed	Tons of curbside Trash	138,955	134,125	10,645	11,951	22,596	10,311	11,578	21,889	137,000
	Tons of Curbside Bulk Disposed	11,651	8,197	895	722	1,617	669	590	1,259	11,444
	HHW Operations Tons Disposed	765	613	46	47	92	42	38	80	580
	Estimated Tons of Curbside Recycling Residuals*	11,321	11,474	858	1,003	1,861	949	802	1,751	10,803
	Total Disposed Tons Collected Curbside and from Drop Off Center Operations	162,693	154,409	12,444	13,723	26,167	11,971	13,008	24,979	159,827
*Estimated tons of curbside recycling processed by vendors as residual - based on bi-annual sample route audit										
Tons Diverted	Tons of curbside recycling	51,709	45,974	3,934	4,084	8,019	3,495	3,926	7,421	51,197
	RRC Tons Recycled/Reused	1,323	1,607	123	147	270	112	51	163	1,500
	RRC Tons of Brush Collected	563	8	4	4	8	0	0	0	0
	HHW Operations Tons recycled/reused	222	341	17	15	32	28	23	51	470
	Tons of Drop Off Center Collections Recycled/Reused	1,784	1,788	131	148	280	126	55	180	1,715
	Tons of Curbside Compost Collected	56,481	43,548	3,034	3,827	6,861	2,458	2,693	5,151	51,000
	Tons of Curbside Bulk Recycled	323	168	12	18	30	14	19	33	255
	Tons of Curbside Brush Collected	8,339	5,636	579	550	1,129	401	293	694	7,009
	Tons of Curbside Textiles Collected	42	47	2	3	5	4	4	9	40
	Tons of Carts Recycled	163	172	18	18	36	8	0	8	200
Total Diverted Tons Collected Curbside and from Drop Off Center Operations		118,841	97,333	7,710	8,648	16,359	6,506	6,990	13,496	111,416
Total Tons Collected Curbside and from Drop Off Center Operations		281,534	251,742	20,154	22,372	42,525	18,477	19,998	38,475	271,243
Estimated Percent of Curbside Collected Materials Diverted from Landfills by ARR		41.96%	38.32%	37.94%	38.33%	38.14%	34.85%	34.84%	34.84%	40.62%
Pounds of Trash collected per customer per pickup		25.52	24.32	23.28	26.14	24.71	22.36	25.02	23.69	24.58
Number of Trash and Recycling Customers		209,419	212,139	211,033	211,019	211,026	212,851	213,606	213,229	214,346
Pounds of Recycled materials collected per customer per pickup (every other week)		19.10	16.77	17.31	17.97	17.64	15.25	17.07	16.16	18.48
Pounds of Yard Trimmings collected per customer per week		10.43	7.94	6.67	8.42	7.55	5.36	5.85	5.61	9.20
Number of Yard Trimmings/Organics Customers		208,209	210,876	209,790	209,775	209,783	211,573	212,311	211,942	213,130
Total tons of Dead Animals Collected from COA rights-of-way and the animal shelter		31	51	3	3	6	6	6	12	30



## Austin Resource Recovery Curbside Collection and Drop Off Center Operations



## Estimated Percent of Curbside Collected Materials Diverted from Landfills by ARR

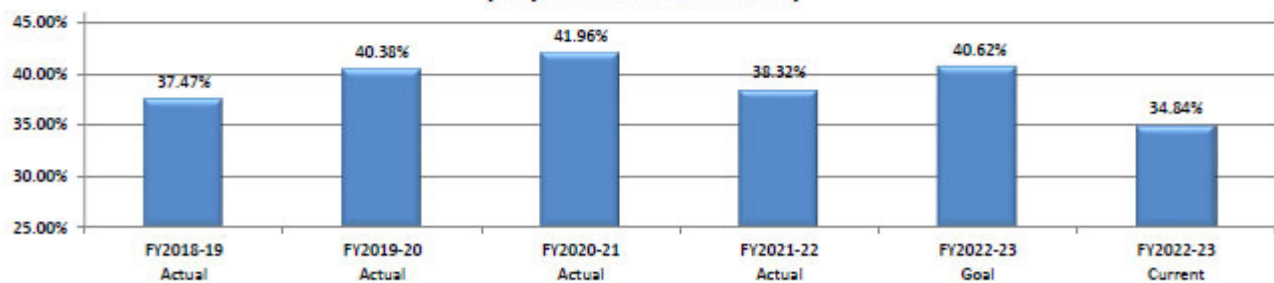


### Reporting Status and Diversion Results for All Categories of Waste Generation

Category of Waste Generation	FY2018-19 Actual	FY2019-20 Actual	FY2020-21 Actual	FY2021-22 Actual	FY2022-23 Goal	FY2022-23 Current
Residential Waste Diversion (city serviced accounts)	37.47%	40.38%	41.96%	38.32%	40.62%	34.84%
Community Diversion Rate	*	*	*	*	*	*

\*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 2018	CY 2019	CY 2020
Commercial Tons Landfilled**	1,079,312	1,401,619	1,359,207
Commercial Tons Recycled**	402,292	470,786	435,875
Commercial Organics Tons**	80,906	102,215	81,436

\*\* 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 Meeting - December 2022**  
**Single Stream Recycling Statistical Report**  
FY23: October thru December  
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 Value	Net Amount Due/(Owed) *		Cost Per Ton	Total
October 2022	TDS	1,594.08	\$16,460	\$79,704	(\$63,244)	(\$63,244)	(\$39.67)	\$23.89	\$38,083
	BRI	2,841.29	\$160,521	\$278,446	(\$117,925)	(\$117,925)	(\$41.50)	\$23.89	\$67,878
	Total	4,435.37	\$176,981	\$358,150	(\$181,169)	(\$181,169)			\$105,961
November 2022	TDS	1,439.59	\$14,760	\$71,980	(\$57,219)	(\$57,219)	(\$39.75)	\$23.89	\$34,392
	BRI	3,288.63	\$179,414	\$322,285	(\$142,872)	(\$142,872)	(\$43.44)	\$23.89	\$78,565
	Total	4,728.22	\$194,174	\$394,265	(\$200,091)	(\$200,091)			\$112,957
December 2022	TDS	1,033.19	\$10,266	\$51,660	(\$41,394)	(\$41,394)	(\$40.06)	\$23.89	\$24,683
	BRI	3,821.65	\$220,505	\$374,521	(\$154,016)	(\$154,016)	(\$40.30)	\$23.89	\$91,299
	Total	4,854.84	\$230,771	\$426,181	(\$195,410)	(\$195,410)			\$115,982
January 2023	TDS				\$0	\$0	#DIV/0!	\$23.89	\$0
	BRI				\$0	\$0	#DIV/0!	\$23.89	\$0
	Total	0.00	\$0	\$0	\$0	\$0			\$0
February 2023	TDS				\$0	\$0	#DIV/0!	\$23.89	\$0
	BRI				\$0	\$0	#DIV/0!	\$23.89	\$0
	Total	0.00	\$0	\$0	\$0	\$0			\$0
March 2023	TDS				\$0	\$0	#DIV/0!	\$23.89	\$0
	BRI				\$0	\$0	#DIV/0!	\$23.89	\$0
	Total	0.00	\$0	\$0	\$0	\$0			\$0
April 2023	TDS				\$0	\$0	#DIV/0!	\$23.89	\$0
	BRI				\$0	\$0	#DIV/0!	\$23.89	\$0
	Total	0.00	\$0	\$0	\$0	\$0			\$0
May 2023	TDS				\$0	\$0	#DIV/0!	\$23.89	\$0
	BRI				\$0	\$0	#DIV/0!	\$23.89	\$0
	Total	0.00	\$0	\$0	\$0	\$0			\$0
June 2023	TDS				\$0	\$0	#DIV/0!	\$23.89	\$0
	BRI				\$0	\$0	#DIV/0!	\$23.89	\$0
	Total	0.00	\$0	\$0	\$0	\$0			\$0
July 2023	TDS				\$0	\$0	#DIV/0!	\$23.89	\$0
	BRI				\$0	\$0	#DIV/0!	\$23.89	\$0
	Total	0.00	\$0	\$0	\$0	\$0			\$0
August 2023	TDS				\$0	\$0	#DIV/0!	\$23.89	\$0
	BRI				\$0	\$0	#DIV/0!	\$23.89	\$0
	Total	0.00	\$0	\$0	\$0	\$0			\$0
September 2023	TDS				\$0	\$0	#DIV/0!	\$23.89	\$0
	BRI				\$0	\$0	#DIV/0!	\$23.89	\$0
	Total	0.00	\$0	\$0	\$0	\$0			\$0
FY23 Totals		14,018.43	\$601,925	\$1,178,595	(\$576,670)	(\$576,670)			\$334,900