



To: Zero Waste Advisory Commission

From: Ken Snipes
Director
Austin Resource Recovery

Date: October 13th, 2021

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

Toter® Contract Agreement Update

In October 2021, Austin Resource Recovery (ARR) intends to seek Council approval to negotiate and execute a five-year cooperative contract agreement with Toter® Waste Container Manufacturer in the amount of \$2.6M. There is an increase in the price of carts due to raw materials that are used to manufacture the carts and due to having to order compost carts; however, Toter® does anticipate the cost of raw materials to go down for resin. Should this happen, the unit price of carts for the next quarter will decrease. A warranty will provide 12 years of coverage on the cart body and 10 years of coverage on all other cart components.

Austin Resource Recovery utilizes Toter® waste containers to provide residential waste, recycle, and compost collection to its customers. The new agreement would enable the City to continue to provide Toter® waste containers specifically using 24, 32, 64- and 96-gallon sizes for collection. Toter® carts are 100% recyclable and are manufactured using up to 50% recycled plastic while being compatible with ARR's fully automated and semi-automated trucks.

Vehicle Fleet Technology Upgrade (VFTU)

The Vehicle Fleet Technology Upgrade (VFTU) is the replacement of SWTS (Austin Resource Recovery's old cart system) with FleetMind's RMS Cart System. The project consists of 3 segments: the in-vehicle technology installation, the integration of the City of Austin Billing System with RMS and the integration of Austin 311 Service Request System with RMS. The new cart system will facilitate the automation of manual processes.

Each segment of the VFTU Project has a separate implementation date. The first segment, the in-vehicle technology installations, was deployed incrementally after the Pilot Phase (per the contract bid sheet). The second segment, the integration of the billing and cart systems, was deployed on July 12, 2021. The final segment, the carts and service request system integration, is scheduled for deployment on October 26, 2021.



ARR Solicitations Update
As of September 28, 2021

Upcoming Solicitations Under Development (in alphabetical order):

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

Solicitations Expected to be Posted Within the Next 90 Days:

1. Asbestos, Lead, and Mold Abatement Services: RFP – Contractor will provide removal, encapsulation, and disposition of asbestos, lead, particulate, and mold.
2. Solid Waste Industry Consulting Services: RFQS – Consultants will provide professional solid waste industry consulting services, including delivering industry knowledge, technical advice, and recommendations on solid waste industry marketing indexes and definitions on an as needed basis.
3. Violet Bags: IFB – Contractor will provide purple or violet-colored trash bags to support the violet bag trash collection program. The bags will be used to collect trash, litter, and small bulk items near homeless encampments.

Published Solicitations:

No updates.

Solicitations in Evaluation or Negotiation:

1. Post-Disaster Debris Removal and Disposal Services:– [RFP 1500 SLW3011](#) – This solicitation was posted on March 29, 2021 and closed on May 13, 2021. Contractor to provide emergency debris removal and debris disposal services in accordance with Federal Emergency Management Administration (FEMA) guidelines. No existing contract
2. Post-Disaster Debris Monitoring Services: [RFP 1500 SLW3010](#) – This solicitation was posted on March 29, 2021 and closed on May 6, 2021. 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 and Disposal Contractor. No existing contract.

Definitions:

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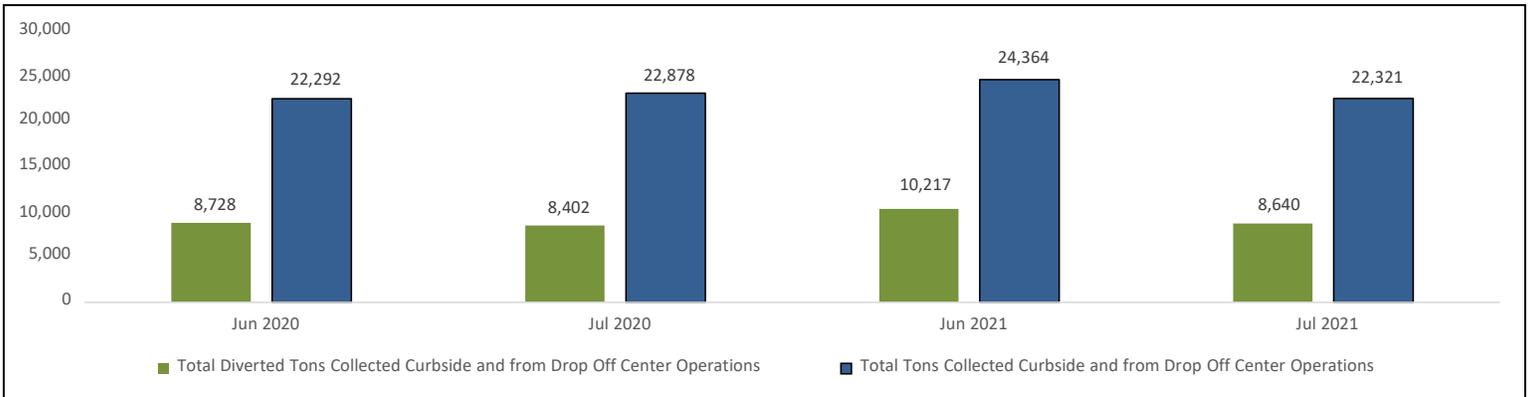
Austin Resource Recovery Curbside Collection and Drop Off Center Operations

LAST FISCAL YEAR

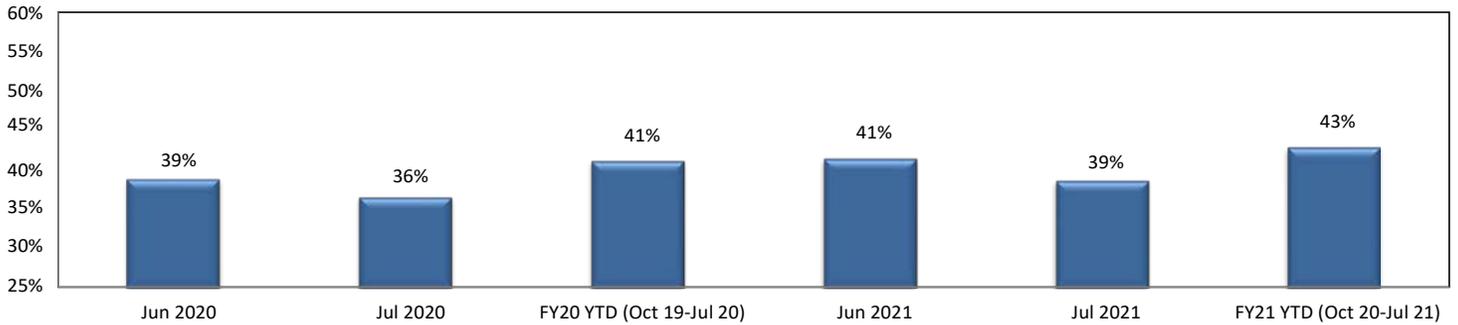
CURRENT FISCAL YEAR

Description of Services	LAST FISCAL YEAR		CURRENT FISCAL YEAR		FY20 YTD (Oct 19-Jul 20)	Jun 2021	Jul 2021	FY21 YTD (Oct 20-Jul 21)	FY 2021 Goal	
	FY 2019	FY 2020	Jun 2020	Jul 2020						
Tons Disposed	Tons of curbside Trash	130,307	136,709	12,426	12,680	113,489	11,913	11,512	116,262	133,005
	Tons of Curbside Bulk Disposed	11,040	5,379	71	758	5,306	1,175	1,184	9,618	11,000
	HHW Operations Tons Disposed	517	347	36	22	287	70	90	616	600
	Estimated Tons of Curbside Recycling Residuals*	11,761	11,302	1,031	1,016	9,397	989	895	9,513	10,386
	Total Disposed Tons Collected Curbside and from Drop Off Center Operations	153,625	153,737	13,564	14,476	128,479	14,147	13,681	136,008	154,991
*Estimated tons of curbside recycling processed by vendors as residual - based on bi-annual sample route audit										
Tons Diverted	Tons of curbside recycling	47,528	52,122	4,773	4,671	43,335	4,425	4,036	43,624	52,604
	RRC Tons Recycled/Reused	2,259	1,218	59	69	1,203	135	147	1,053	2,400
	RRC Tons of Brush Collected	2,595	1,722	93	41	1,717	161	13	521	2,000
	HHW Operations Tons recycled/reused	477	247	5	15	216	36	21	161	550
	Tons of Drop Off Center Collections Recycled/Reused	5,073	3,060	157	101	3,010	301	111	1,439	4,700
	Tons of Curbside Yard Trimmings	37,265	48,105	3,747	3,191	42,342	4,524	3,609	50,499	45,864
	Tons of Curbside Bulk Recycled	257	127	0	25	125	30	71	297	250
	Tons of Curbside Brush Collected	6,447	3,323	33	386	3,293	915	810	6,596	6,700
	Tons of Curbside Textiles Collected	77	25	0	11	11	4	4	35	180
	Tons of Carts Recycled	166	193	18	17	167	17	0	110	150
	Total Diverted Tons Collected Curbside and from Drop Off Center Operations	96,813	106,955	8,728	8,402	92,284	10,217	8,640	102,600	110,448
Tons of Curbside Compost Collected**	22,040	38,711	3,101	2,673	33,835	4,524	3,609	47,473	45,864	
***Tons of Curbside Compost Collected" is included in the "Tons of Yard Trimmings Collected"										
Total Tons Collected Curbside and from Drop Off Center Operations	250,438	260,692	22,292	22,878	220,763	24,364	22,321	238,608	265,439	
Estimated Percent of Curbside Collected Materials Diverted from Landfills by ARR	37.47%	40.38%	38.78%	36.48%	41.05%	41.33%	38.56%	42.76%	40.65%	
Pounds of Trash collected per customer per pickup	24.78	25.57	27.75	28.21	25.52	26.12	25.20	25.67	24.62	
Number of Trash and Recycling Customers	202,292	205,670	206,680	207,473	205,281	210,521	210,864	209,063	207,760	
Pounds of Recycled materials collected per customer per pickup (every other week)	18.17	19.61	21.44	20.90	19.60	19.51	17.77	19.37	19.58	
Pounds of Yard Trimmings collected per customer per week	7.12	9.05	8.41	7.14	9.57	9.97	7.94	11.21	8.53	
Number of Yard Trimmings/Organics Customers	201,174	204,506	205,527	206,329	204,127	209,347	209,674	207,860	206,707	
Total tons of Dead Animals Collected from COA rights-of-way and the animal shelter	30	34	4	4	30	3	2	26	30	

Austin Resource Recovery Curbside Collection and Drop Off Center Operations



Estimated Percent of Curbside Collected Materials Diverted from Landfills by ARR

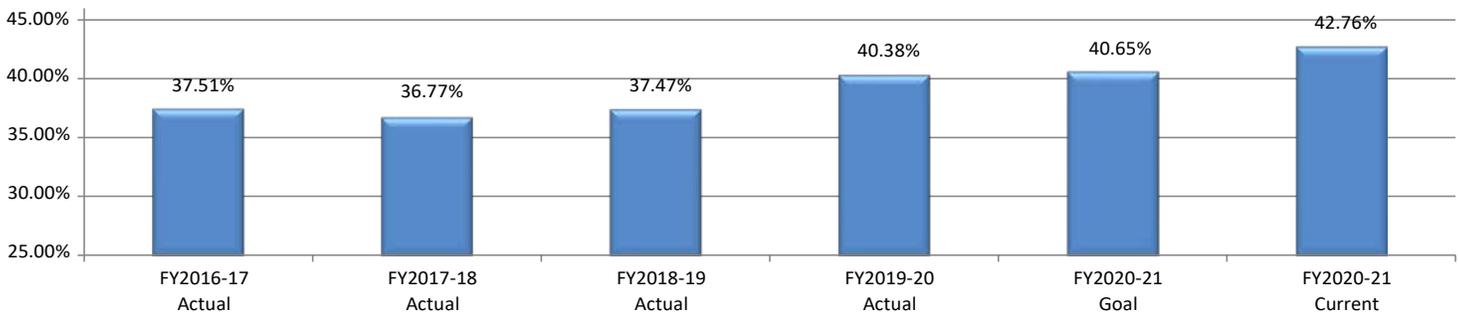


Reporting Status and Diversion Results for All Categories of Waste Generation

Category of Waste Generation	FY2016-17 Actual	FY2017-18 Actual	FY2018-19 Actual	FY2019-20 Actual	FY2020-21 Goal	FY2020-21 Current
Residential Waste Diversion (city serviced accounts)	37.51%	36.77%	37.47%	40.38%	40.65%	42.76%
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.



ZWAC

September 8th, 2021

Regular Meeting

ARR Solicitations Updates & Reports



ARR Solicitations Update
As of August 30, 2021
ZWAC Meeting September 08, 2021

Upcoming Solicitations Under Development (in alphabetical order):

1. Household Hazardous Waste and Recycling Collection Services: ILA – City will provide household hazardous waste, recycling, and other collection services for Travis County households located outside the incorporated limits of the City.
2. Refuse and Recycling Containers Carts: Cooperative Purchase – Contractor will provide carts to support a broad range of services offered to Austin residents and businesses, including the curbside collection of trash, recycling, yard trimmings and compost.
3. Violet Bags: IFB – Contractor will provide purple or violet-colored trash bags to support the violet bag trash collection program. The bags will be used to collect trash, litter, and small bulk items near homeless encampments.

Solicitations Expected to be Posted Within the Next 90 Days:

1. Asbestos, Lead, and Mold Abatement Services: RFP – Contractor will provide removal, encapsulation, and disposition of asbestos, lead, particulate, and mold.
2. Recycling and Solid Waste Consulting Services: RFQS – Consultants will provide professional recycling industry consulting services, including delivering industry knowledge, technical advice, and recommendations on recycling industry marketing indexes and definitions on an as needed basis.

Published Solicitations:

No updates.

Solicitations in Evaluation or Negotiation:

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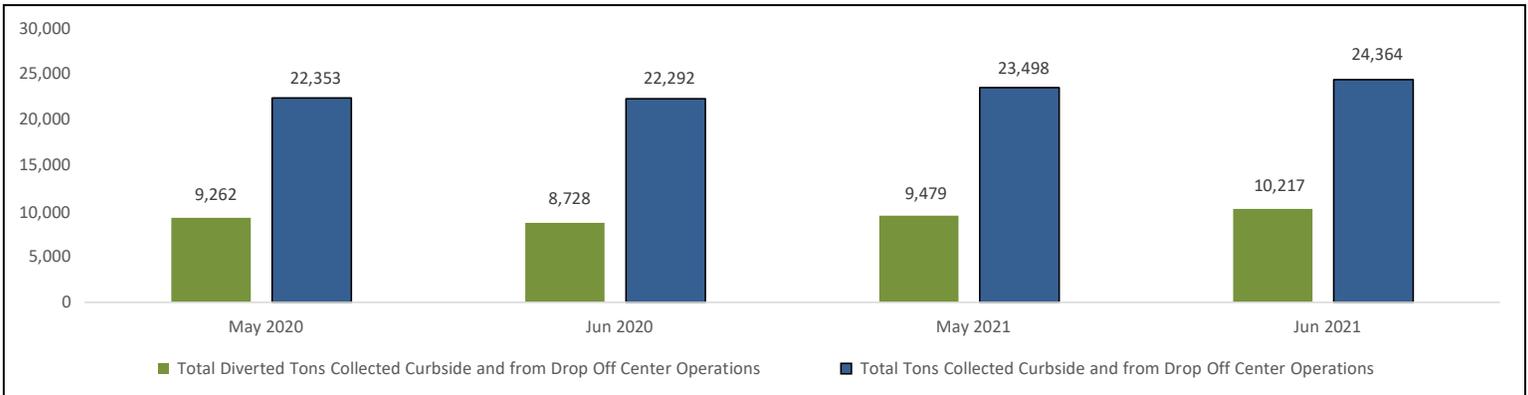
Austin Resource Recovery Curbside Collection and Drop Off Center Operations

LAST FISCAL YEAR

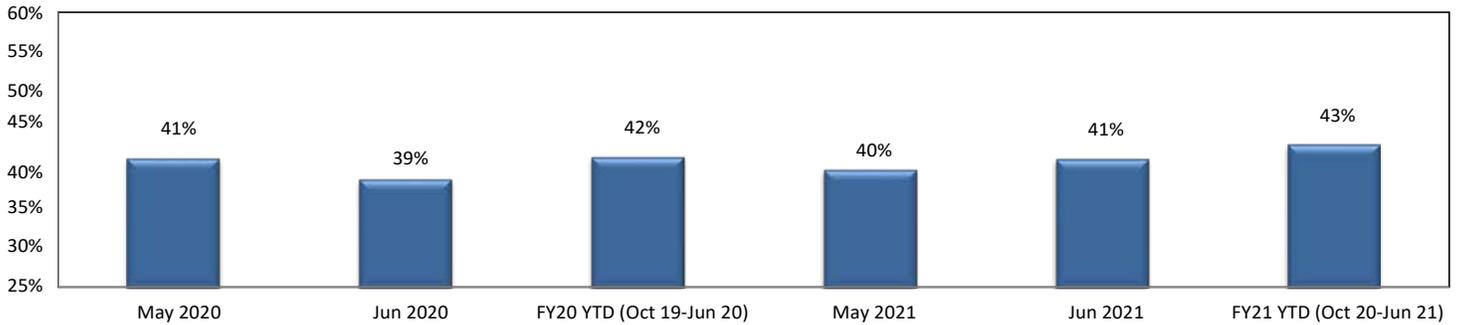
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	FY 2019	FY 2020	May 2020	Jun 2020		May 2021	Jun 2021			
Tons Disposed	Tons of curbside Trash	130,307	136,709	12,029	12,426	100,809	11,558	11,913	104,750	133,005
	Tons of Curbside Bulk Disposed	11,040	5,379	44	71	4,548	1,415	1,175	8,434	11,000
	HHW Operations Tons Disposed	517	347	0	36	265	83	70	526	600
	Estimated Tons of Curbside Recycling Residuals*	11,761	11,302	1,018	1,031	8,381	963	989	8,618	10,386
	Total Disposed Tons Collected Curbside and from Drop Off Center Operations	153,625	153,737	13,091	13,564	114,003	14,019	14,147	122,327	154,991
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Tons Diverted	Tons of curbside recycling	47,528	52,122	4,690	4,773	38,664	4,296	4,425	39,588	52,604
	RRC Tons Recycled/Reused	2,259	1,218	0	59	1,133	149	135	906	2,400
	RRC Tons of Brush Collected	2,595	1,722	0	93	1,676	63	161	508	2,000
	HHW Operations Tons recycled/reused	477	247	0	5	201	17	36	140	550
	Tons of Drop Off Center Collections Recycled/Reused	5,073	3,060	0	157	2,910	188	301	1,328	4,700
	Tons of Curbside Yard Trimmings	37,265	48,105	4,529	3,747	39,151	4,401	4,524	46,890	45,864
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Number of Trash and Recycling Customers	202,292	205,670	205,804	206,680	205,038	209,753	210,521	208,863	207,760	
Pounds of Recycled materials collected per customer per pickup (every other week)	18.17	19.61	21.16	21.44	19.45	19.01	19.51	19.55	19.58	
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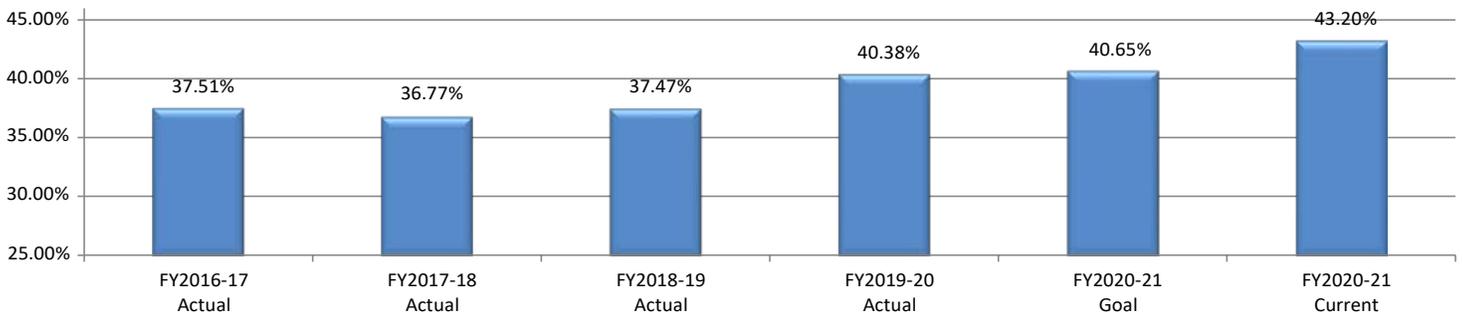


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Residential Waste Diversion (city serviced accounts)



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

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