

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 Fleet Mind'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 schedule for deployment on October 26, 2021.



ARR Solicitations Update As of September 28, 2021

Upcoming Solicitations Under Development (in alphabetical order):

1. <u>Household Hazardous Waste and Recycling Collection Services</u>: 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. <u>Asbestos, Lead, and Mold Abatement Services</u>: RFP Contractor will provide removal, encapsulation, and disposition of asbestos, lead, particulate, and mold.
- 2. <u>Solid Waste Industry Consulting Services</u>: 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. <u>Violet Bags</u>: 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:

- 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. <u>Post-Disaster Debris Monitoring Services</u>: <u>RFP 1500 SLW3010</u> 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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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.

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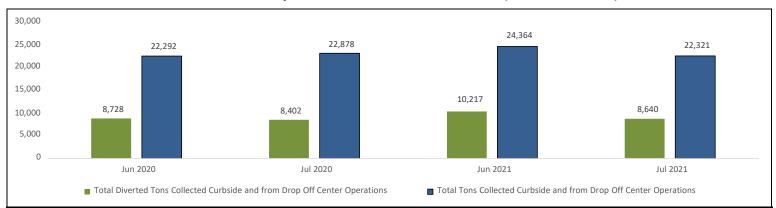
RFQS (Request for Qualifications): Formal solicitation used when qualifications are the main criteria for professional services.

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

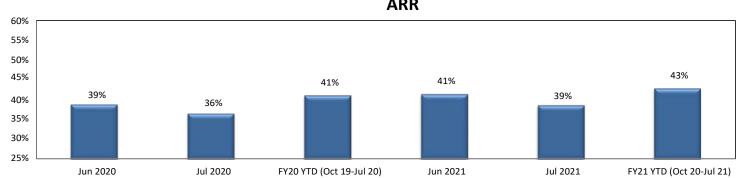
LAST FISCAL YEAR

CURRENT FISCAL YEAR

					HIJCALIL		COMMENT FISCAL TEAM			
	Description of Services	FY 2019	FY 2020	Jun 2020	Jul 2020	FY20 YTD (Oct 19-Jul 20)	Jun 2021	Jul 2021	FY21 YTD (Oct 20-Jul 21)	FY 2021 Goal
	Description of Gervices									
	Tana of combaids Toolb	400.007	400.700	40.400	40.000	440.400	44.040	44.540	440,000	400.005
o.	Tons of curbside Trash	130,307	136,709	12,426	12,680	113,489	11,913	11,512	116,262	133,005
Disposed	Tons of Curbside Bulk Disposed	11,040	5,379	71	758	5,306	1,175	1,184	9,618	11,000
gg	HHW Operations Tons Disposed	517	347	36	22	287	70	90	616	600
ä	Estimated Tons of Curbside Recycling									
ons	Residuals*	11,761	11,302	1,031	1,016	9,397	989	895	9,513	10,386
ō	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
*Es	timated tons of curbside recycling processed by	vendors as re	esidual - based	on bi-annual sar	nple route au	dit				
	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
1	RRC Tons of Brush Collected	2,595	1,722	93	41	1,717	161	13	521	2,000
1 1	HHW Operations Tons recycled/reused	477	247	5	15	216	36	21	161	550
1 1	Tons of Drop Off Center Collections	477	241		13	210	- 30	21	101	330
96	Recycled/Reused	5,073	3,060	157	101	3,010	301	111	1,439	4,700
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Diverted	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	Tons of Curbside Brush Collected	6,447	3,323	33	386	3,293	915	810	6,596	6,700
\vdash	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
1 1	Total Diverted Tons Collected Curbside and									
	from Drop Off Center Operations	06 942	106,955	0 720	8,402	92,284	10.217	9.640	402 600	110,448
		96,813		8,728			- 7	8,640	102,600	
	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
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Est	imated 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
Po	unds 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
				-,-				, ,		
Tot	al tons of Dead Animals Collected from COA rights-	30	34	4	4	30	3	2	26	30
1	of-way and the animal shelter		Ŭ.	i i	•			_		

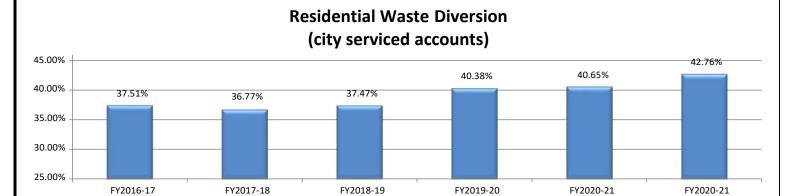


Estimated Percent of Curbside Collected Materials Diverted from Landfills by ARR



Reporting Status and Diversion Results for All Categories of Waste Generation								
Category of Waste Generation	FY2016-17	FY2017-18	FY2018-19	FY2019-20	FY2020-21	FY2020-21		
Category of Waste Generation	Actual	Actual	Actual	Actual	Goal	Current		
Residential Waste Diversion	27 510/	36.77%	27.470/	40.300/	40.050/	42.76%		
(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 85% of the total citywide wastage.



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	

Actual

Goal

Current

Actual

Actual

Actual

^{**} 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):

- 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. <u>Refuse and Recycling Containers Carts</u>: 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. <u>Violet Bags</u>: 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:

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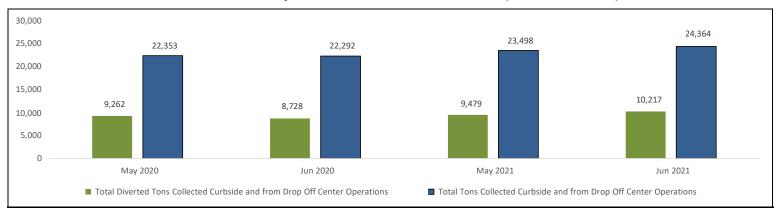
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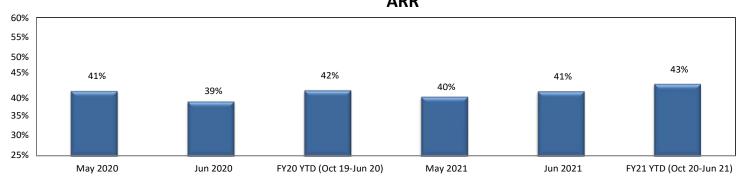
LAST FISCAL YEAR

CURRENT FISCAL YEAR

Procession of Services Process								CONNEITHIOCALTEAN			
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From Drop Off Center Operations 153,625 153,737 13,091 13,091 13,001 14,103 14,103 14,104 12,227 154,991	on	Total Disposed Tons Collected Curbside and									
Total Diverted Tons Collected Curbside and from Drop Off Center Operations September 19 September 20 Se	-	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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Total Diverted Tons Collected Curbside and from Drop Off Center Operations For Solicition of Curbside Compost Collected** Total Tons Collected Materials Diverted from Drop Off Center Operations Total Tons Collected Materials Diverted from Landfills by ARR Tons of Curbside Collected Materials Diverted from Landfills by ARR Total Tons Collected Materials Diverted from Landfills by ARR Total Tons Collected Materials Diverted from Landfills by ARR Total Tons Collected Materials Diverted from Landfills by ARR Total Tons Collected Materials Diverted from Landfills by ARR Total Tons Collected Materials Diverted from Landfills by ARR Total Tons Collected Materials Diverted from Landfills by ARR Total Tons Collected Der customer per pickup Total Tons Collected Per customer Per pickup (every other week) Total Tons Collected Per Customer Per Pounds of Trash collected Per customer Per Per Week Total Tons Collected Per Customers Total Tons Collected Per Collected Tons Collected Per Collected Tons Coll	Jo.										
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From Drop Off Center Operations 96,813 106,955 9,262 8,728 83,882 9,479 10,217 93,960 110,448 45,864 45,8		Tons of Carts Recycled	166	193	U	18	150	18	17	110	150
Tons of Curbside Compost Collected** 22,040 38,711 3,696 3,101 31,162 4,401 4,524 43,864 45,864 ****Tons of Curbside Compost Collected** is included in the "Tons of Yard Trimmings Collected Curbside and from Drop Off Center Operations 250,438 260,692 22,353 22,292 197,885 23,498 24,364 216,287 265,439 ** Estimated Percent of Curbside Collected Materials Diverted from Landfills by ARR 37.47% 40.38% 41.44% 38.78% 41.59% 40.00% 41.33% 43.20% 40.65% ** Pounds of Trash collected per customer per pickup 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 ** Pounds of Yard Trimmings collected per customer per week 7.12 9.05 10.21 8.41 9.85 9.74 9.97 11.58 8.53 ** Number of Yard Trimmings/Organics Customers 201,174 204,506 204,640 205,527 203,882 208,538 209,347 207,658 206,707 ** Total tons of Dead Animals Collected from COA rights 30 34 3 4 26 3 3 3 24 30		Total Diverted Tons Collected Curbside and									
Total Tons of Curbside Compost Collected" is included in the "Tons of Yard Trimmings Collected" Total Tons Collected Curbside and from Drop Off Center Operations Estimated Percent of Curbside Collected Materials Diverted from Landfills by ARR 37.47% 40.38% 41.44% 38.78% 41.59% 40.00% 41.33% 43.20% 40.65% Pounds of Trash collected per customer per pickup 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) Pounds of Yard Trimmings collected per customer per per week Number of Yard Trimmings Collected per customers 201,174 204,506 204,640 205,527 203,882 208,538 209,347 207,658 206,707 Total tons of Dead Animals Collected from COA rights- 30 34 3 4 26 3 3 3 24 30		from Drop Off Center Operations	96,813	106,955	9,262	8,728	83,882	9,479	10,217	93,960	110,448
Total Tons of Curbside Compost Collected" is included in the "Tons of Yard Trimmings Collected" Total Tons Collected Curbside and from Drop Off Center Operations Estimated Percent of Curbside Collected Materials Diverted from Landfills by ARR 37.47% 40.38% 41.44% 38.78% 41.59% 40.00% 41.33% 43.20% 40.65% Pounds of Trash collected per customer per pickup 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) Pounds of Yard Trimmings collected per customer per per week 7.12 9.05 10.21 8.41 9.85 9.74 9.97 11.58 8.53 Number of Yard Trimmings/Organics Customers 201,174 204,506 204,640 205,527 203,882 208,538 209,347 207,658 206,707 Total tons of Dead Animals Collected from COA rights- 30 34 3 4 26 3 3 3 24 30		Tons of Curbside Compost Collected**	22 040	38 711	3 696	3 101	31 162	4 401	4 524	43 864	45 864
Total Tons Collected Curbside and from Drop Off Center Operations 250,438 260,692 22,353 22,292 197,885 23,498 24,364 216,287 265,439 250,438 260,692 22,353 22,292 197,885 23,498 24,364 216,287 265,439 265,	**"	•		· · -	· · ·	0,101	01,102	1,101	.,02.	10,001	.0,00.
Estimated Percent of Curbside Collected Materials Diverted from Landfills by ARR 37.47% 40.38% 41.44% 38.78% 41.59% 40.00% 41.33% 43.20% 40.65%											
Estimated Percent of Curbside Collected Materials Diverted from Landfills by ARR 37.47% 40.38% 41.44% 38.78% 41.59% 40.00% 41.33% 43.20% 40.65% Pounds of Trash collected per customer per pickup 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 Pounds of Yard Trimmings collected per customer per week 7.12 9.05 10.21 8.41 9.85 9.74 9.97 11.58 8.53 Number of Yard Trimmings/Organics Customers 201,174 204,506 204,640 205,527 203,882 208,538 209,347 207,658 206,707 Total tons of Dead Animals Collected from COA rights-30 34 3 4 26 3 3 3 24 30	10	•									
Diverted from Landfills by ARR 37.47% 40.38% 41.44% 38.78% 41.59% 40.00% 41.33% 43.20% 40.65%		Center Operations	250,438	260,692	22,353	22,292	197,885	23,498	24,364	216,287	265,439
pickup 24.78 25.57 26.98 27.75 25.21 25.43 26.12 25.72 24.62 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 Pounds of Yard Trimmings collected per customer per week 7.12 9.05 10.21 8.41 9.85 9.74 9.97 11.58 8.53 Number of Yard Trimmings/Organics Customers 201,174 204,506 204,640 205,527 203,882 208,538 209,347 207,658 206,707 Total tons of Dead Animals Collected from COA rights- 30 34 3 4 26 3 3 24 30	Est		37.47%	40.38%	41.44%	38.78%	41.59%	40.00%	41.33%	43.20%	40.65%
pickup 24.78 25.57 26.98 27.75 25.21 25.43 26.12 25.72 24.62 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 Pounds of Yard Trimmings collected per customer per week 7.12 9.05 10.21 8.41 9.85 9.74 9.97 11.58 8.53 Number of Yard Trimmings/Organics Customers 201,174 204,506 204,640 205,527 203,882 208,538 209,347 207,658 206,707 Total tons of Dead Animals Collected from COA rights- 30 34 3 4 26 3 3 24 30											
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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		ріскир	24.78	25.57	26.98	27.75	25.21	25.43	26.12	25.72	24.62
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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customer per pickup (every other week) 18.17 19.61 21.16 21.44 19.45 19.01 19.51 19.55 19.58 Pounds of Yard Trimmings collected per customer per week 7.12 9.05 10.21 8.41 9.85 9.74 9.97 11.58 8.53 Number of Yard Trimmings/Organics Customers 201,174 204,506 204,640 205,527 203,882 208,538 209,347 207,658 206,707 Total tons of Dead Animals Collected from COA rights- 30 34 3 4 26 3 3 24 30		Number of Trash and Recycling Customers	202,292	205,670	205,804	206,680	205,038	209,753	210,521	208,863	207,760
customer per pickup (every other week) 18.17 19.61 21.16 21.44 19.45 19.01 19.51 19.55 19.58 Pounds of Yard Trimmings collected per customer per week 7.12 9.05 10.21 8.41 9.85 9.74 9.97 11.58 8.53 Number of Yard Trimmings/Organics Customers 201,174 204,506 204,640 205,527 203,882 208,538 209,347 207,658 206,707 Total tons of Dead Animals Collected from COA rights- 30 34 3 4 26 3 3 24 30		Decords of Decords describe a allegated as a									
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per week 7.12 9.05 10.21 8.41 9.85 9.74 9.97 11.58 8.53 Number of Yard Trimmings/Organics Customers 201,174 204,506 204,640 205,527 203,882 208,538 209,347 207,658 206,707 Total tons of Dead Animals Collected from COA rights- 30 34 3 4 26 3 3 24 30											
Number of Yard Trimmings/Organics Customers 201,174 204,506 204,640 205,527 203,882 208,538 209,347 207,658 206,707 Total tons of Dead Animals Collected from COA rights- 30 34 3 4 26 3 3 3 24 30	Pot	ands of Yard Trimmings collected per customer									
Total tons of Dead Animals Collected from COA rights- 30 34 3 4 26 3 3 3 24 30	L	per week	7.12	9.05	10.21	8.41	9.85	9.74	9.97	11.58	8.53
Total tons of Dead Animals Collected from COA rights- 30 34 3 4 26 3 3 3 24 30											
Total tons of Dead Animals Collected from COA rights- 30 34 3 4 26 3 3 3 24 30											
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3 30 1 34 3 1 4 1 20 3 1 3 1 24 30 1											
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of-way and the animal shelter	1 ot	•	30	34	3	4	26	3	3	24	30
		ot-way and the animal shelter									

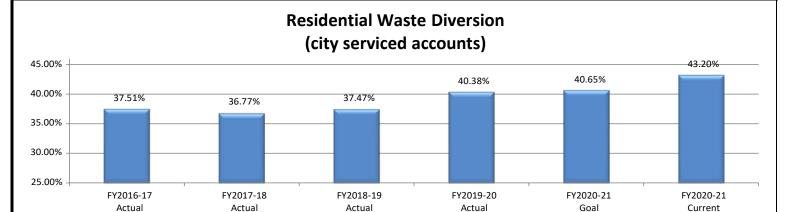


Estimated Percent of Curbside Collected Materials Diverted from Landfills by ARR



Reporting Status and Diversion Results for All Categories of Waste Generation									
Cotocom of Mosto Consuction	FY2016-17	FY2017-18	FY2018-19	FY2019-20	FY2020-21	FY2020-21			
Category of Waste Generation	Actual	Actual	Actual	Actual	Goal	Current			
Residential Waste Diversion	37.51%	36.77%	37.47%	40.300/	40.65%	43.20%			
(city serviced accounts)	37.51%	36.77%	37.47%	40.38%	40.65%	43.20%			
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 85% of the total citywide wastage.



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.