



To: Zero Waste Advisory Commission

From: Ken Snipes
Director
Austin Resource Recovery

Date: March 11, 2021

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

CTM Refresh

The PC refresh is triggered by the lifecycle management of our entire PC fleet and based on the date of purchase. It is roughly based on 20% of PCs per year and 25% of laptops. The current lifecycle is 5 years for PCs, 4 years for laptops used by standard users (office environment), and 3 years on laptops that are in the field every day. This is the current standard and follows industry best standards managing the lifecycle of the PC environment. Just because a PC still runs doesn't mean it is cost-effective to maintain in operations. The soft costs begin to rise the older a system gets like work stoppage due to failure or slowness, cost of replacing parts, the number of service calls due to the age of system and software install dates, and of course the ability of the system to adequately run current and new software deployed. It is common for large enterprises to adopt lifecycle management and the city has modeled it after industry standards. The other scenario to wait until the device no longer works is called "Replace on Failure" and it is not recommended as cost rise in other ways as mentioned.

Winter Weather Storm Recovery

During the week of February 15th, the Austin area experienced an Arctic air outbreak that caused freezing temperatures, snow, and ice accumulation. Due to the weather conditions, ARR was forced to suspend operations the week of February 15th-February 19th, 2021.

Recycling tonnage for the week of February 22nd -26th, 2021 was 1254.40 tons. An increase of approximately 16% over the same period last year.

Garbage tonnage for the week of February 22nd -26th, 2021 was 4957.79 tons. An increase of more than 200% over the same period last year

Garbage and Recycle Collection

Due to extreme winter weather, ARR canceled all residential garbage and recycling collection for the week of February 15th– February 19th, 2021. As collection services resumed the following week, for City of Austin garbage customers, Austin Resource Recovery decided to waive all excess garbage fees for the week of February 22nd – February 26th, 2021. Collection crews were instructed to collect all household trash contained in bags that were located at the curb. This was done due to the cancellation of all collection services the previous week. Regular residential recycling collection restarted the week of February 22nd. Customers with extra recycling were encouraged to place all extra recyclables that did not fit in their cart in containers or boxes.

Compost, Brush, and Bulk Collection

Due to the winter weather, ARR was forced to delay the delivery of compost carts and service start dates to remaining customers as part of the final phase of the Curbside Composting Program expansion. The remaining customers began compost collection the week of 2/22.

Compost tonnage for the week of February 22-26th, 2021 was 1478.21 tons, an increase of over 86% from the same period last year.

Brush and Bulk routes were also delayed and employees are working to collect routes with interrupted service. The department has also received a large volume of requests to collect storm debris caused by the winter weather. As of 03/04/2021, the department has received over 2700 requests and has collected over 200 tons of storm debris. ARR is receiving assistance from other departments to help with the demand including Parks and Recreation, Watershed Protection, and Public Works.

ARR Assistance During and After Weather Event

ARR staff delivered water, meals, and supplies to Shelters and Warming Centers. ARR Operators cleared runways, jetways, and parking areas for ABIA; and provided forklift training and operation during water distribution. ARR also distributed water daily to employees during the boil-water notice period

Facilities

ARR experienced the following damage due to the weather event:

Kenneth Gardener Service Center: Multiple breaks in water lines. HVAC disabled due to broken lines in the Chiller coil.

Hot water heater disabled due to broken waterlines. Truck Wash: Multiple breaks in water supply pipes.

Resource Recovery Center: Water line break on sorting floor.

Household Hazardous Waste Facility: Water main broken. Eyewash stations disabled due to breaks in water service lines.

Closed Landfill: The main building required all the waterlines to be replaced due to multiple breaks. The mechanic building had a break in the eyewash station water service line.



ARR Solicitations Update
As of March 1, 2021
ZWAC Meeting March 11, 2021

Upcoming Solicitations Under Development (in alphabetical order):

No Updates

Solicitations Expected to be Posted Within the Next 90 Days:

1. Asbestos, Lead, and Mold Abatement Services: RFP – Contractor to provide removal, encapsulation, and disposition of asbestos, lead, particulate, and mold.
2. 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.
3. 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:

1. Education, Cleanup, and Beautification Services: [RFP 1500 CRR3008](#) – This solicitation was posted on March 1, 2021 and closes on March 23, 2021. 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.](#)

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. Approved by Council on February 4, 2021. 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.](#)

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.

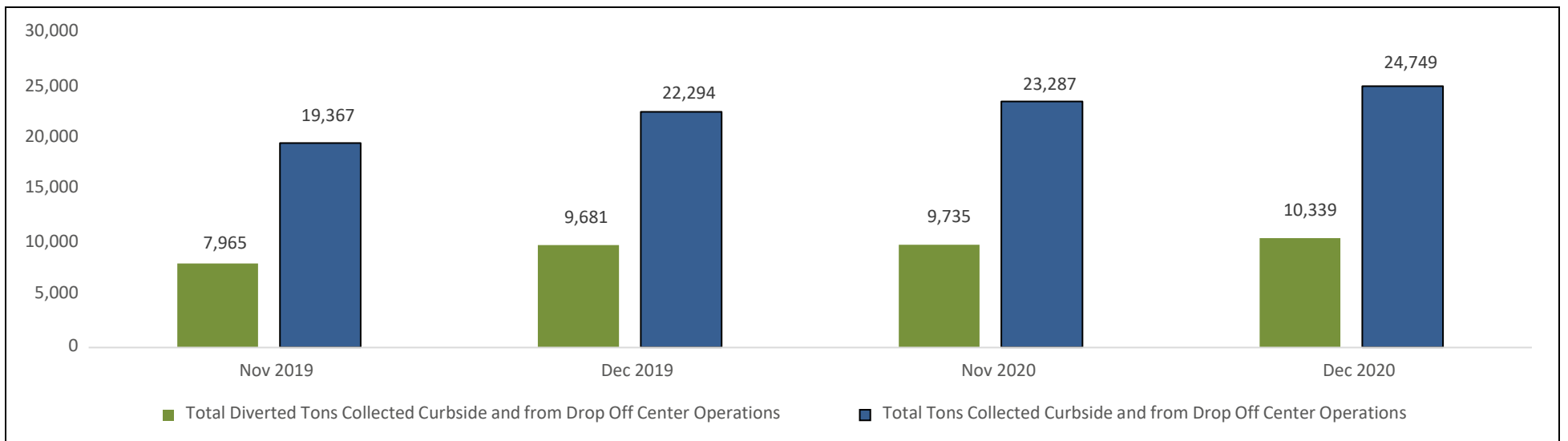
RFQS (Request for Qualifications): Formal solicitation used when qualifications are the main criteria for professional services.

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

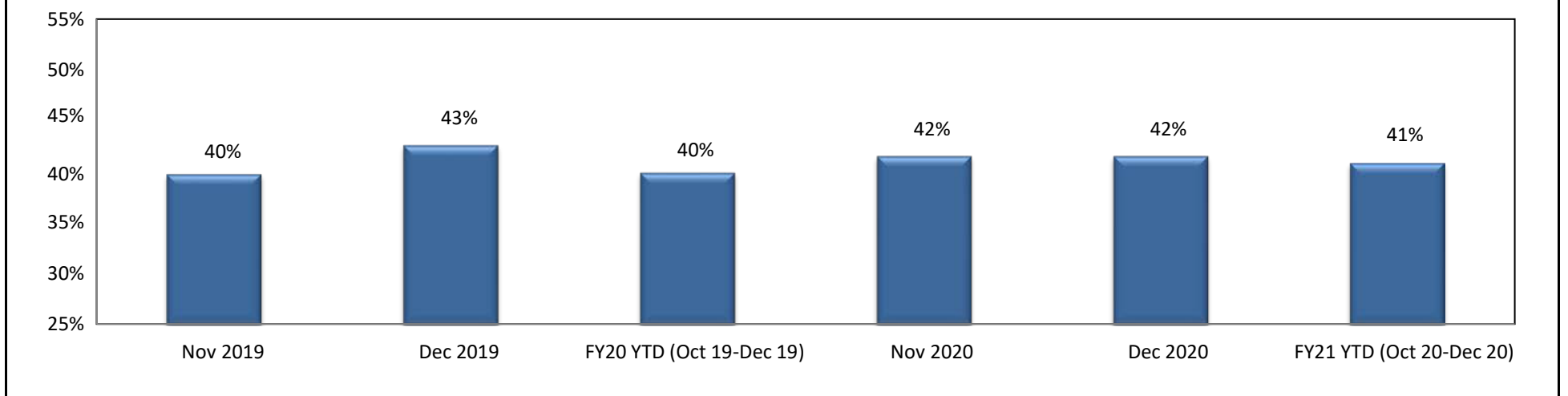
Austin Resource Recovery Curbside Collection and Drop Off Center Operations

Description of Services		LAST FISCAL YEAR				CURRENT FISCAL YEAR				
		FY 2019	FY 2020	Nov 2019	Dec 2019	FY20 YTD (Oct 19-Dec 19)	Nov 2020	Dec 2020	FY21 YTD (Oct 20-Dec 20)	FY 2021 Goal
Tons Disposed	Tons of curbside Trash	130,307	136,709	9,837	10,965	31,348	11,553	12,300	35,185	133,005
	Tons of Curbside Bulk Disposed	11,040	5,379	711	704	2,378	1,027	1,036	2,465	11,000
	HHW Operations Tons Disposed	517	347	39	27	103	48	40	142	600
	Estimated Tons of Curbside Recycling Residuals*	11,761	11,302	815	917	2,610	924	1,035	2,915	10,386
	Total Disposed Tons Collected Curbside and from Drop Off Center Operations	153,625	153,737	11,403	12,613	36,439	13,551	14,411	40,707	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	3,755	4,239	12,038	4,313	4,845	13,474	52,604
	RRC Tons Recycled/Reused	2,259	1,218	175	156	533	135	127	357	2,400
	RRC Tons of Brush Collected	2,595	1,722	287	183	732	27	54	149	2,000
	HHW Operations Tons recycled/reused	477	247	31	26	95	18	18	52	550
	Tons of Drop Off Center Collections Recycled/Reused	5,073	3,060	471	346	1,300	146	139	453	4,700
	Tons of Curbside Yard Trimmings	37,265	48,105	3,342	4,781	10,735	4,809	4,802	12,970	45,864
	Tons of Curbside Bulk Recycled	257	127	22	19	59	34	60	105	250
	Tons of Curbside Brush Collected	6,447	3,323	342	296	1,227	413	473	1,392	6,700
	Tons of Curbside Textiles Collected	77	25	0	0	0	3	3	9	180
	Tons of Carts Recycled	166	193	33	0	50	17	16	33	150
	Total Diverted Tons Collected Curbside and from Drop Off Center Operations	96,813	106,955	7,965	9,681	25,410	9,735	10,339	28,436	110,448
Tons of Curbside Compost Collected**	22,040	38,711	2,822	3,973	9,045	4,008	3,989	10,727	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	19,367	22,294	61,849	23,287	24,749	69,143	265,439
Estimated Percent of Curbside Collected Materials Diverted from Landfills by ARR		37.47%	40.38%	39.74%	42.58%	39.89%	41.52%	41.51%	40.82%	40.65%
Pounds of Trash collected per customer per pickup		24.78	25.57	22.29	24.75	23.63	25.68	27.25	26.04	24.62
Number of Trash and Recycling Customers		202,292	205,670	203,726	204,510	204,097	207,654	208,307	207,862	207,760
Pounds of Recycled materials collected per customer per pickup (every other week)		18.17	19.61	17.10	19.24	18.25	19.28	21.60	20.06	19.58
Pounds of Yard Trimmings collected per customer per week		7.12	9.05	7.61	10.85	8.14	10.75	10.70	9.66	8.53
Number of Yard Trimmings/Organics Customers		201,174	204,506	202,650	203,337	202,973	206,464	207,074	206,657	206,707
Total tons of Dead Animals Collected from COA rights-of-way and the animal shelter		30	34	3	3	9	4	3	10	30

Austin Resource Recovery Curbside Collection and Drop Off Center Operations



Estimated Percent of Curbside Collected Materials Diverted from Landfills by ARR

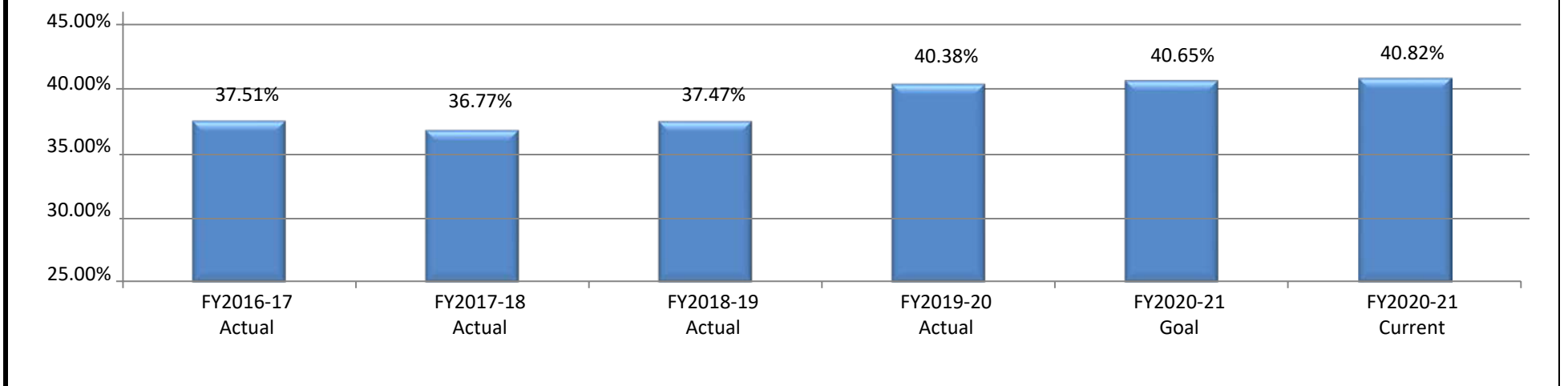


Reporting Status and Diversion Results for All Categories of Waste Generation

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%	40.82%
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 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 - March 11, 2021
Single Stream Recycling Statistical Report
FY21: October-December 2020
Texas Disposal Systems (TDS) and Balcones Resources, Inc. (BRI)

Month and Year	Contractor	Tons Delivered	Contractor Payments			Net Value to the City	Landfill Cost Avoidance	
			Revenue	Processing Cost	Net Amount Due/(Owed)	\$ per ton value	Cost Per Ton	Total
October 2020	TDS	2,094.01	\$81,991	\$189,508	(\$107,517)	(\$51.35)	\$22.87	\$47,890
	BRI	3,176.88	\$72,809	\$226,728	(\$153,919)	(\$48.45)	\$22.87	\$72,655
	<i>Total</i>	5,270.89	\$154,800	\$416,236	(\$261,437)			\$120,545
November 2020	TDS	2,451.34	\$102,134	\$221,846	(\$119,712)	(\$48.84)	\$22.87	\$56,062
	BRI	2,785.82	\$61,805	\$204,363	(\$142,558)	(\$51.17)	\$22.87	\$63,712
	<i>Total</i>	5,237.16	\$163,940	\$426,209	(\$262,269)			\$119,774
December 2020	TDS	2,487.24	\$113,935	\$225,095	(\$111,160)	(\$44.69)	\$22.87	\$56,883
	BRI	3,393.25	\$81,618	\$238,629	(\$157,010)	(\$46.27)	\$22.87	\$77,604
	<i>Total</i>	5,880.49	\$195,554	\$463,724	(\$268,170)			\$134,487
FY21 Totals		16,388.54	\$514,293	\$1,306,170	(\$791,876)			\$374,806



FEBRUARY REPORT



ARR Solicitations Update
As of January 19, 2020
ZWAC Meeting February 10, 2021

Upcoming Solicitations Under Development (in alphabetical order):

No Updates

Solicitations Expected to be Posted Within the Next 90 Days:

1. Asbestos, Lead, and Mold Abatement Services: RFP – Contractor to provide removal, encapsulation, and disposition of asbestos, lead, particulate, and mold.
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. Scheduled for Council approval on February 4, 2021. 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. Scheduled for Council approval on January 27, 2021. 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.

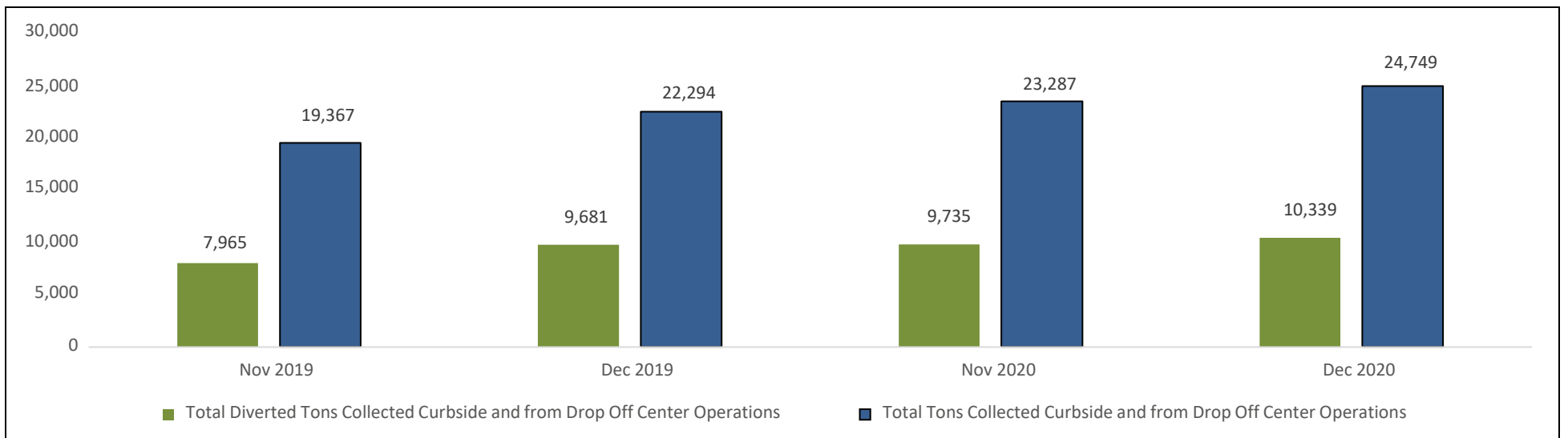
RFQS (Request for Qualifications): Formal solicitation used when qualifications are the main criteria for professional services.

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

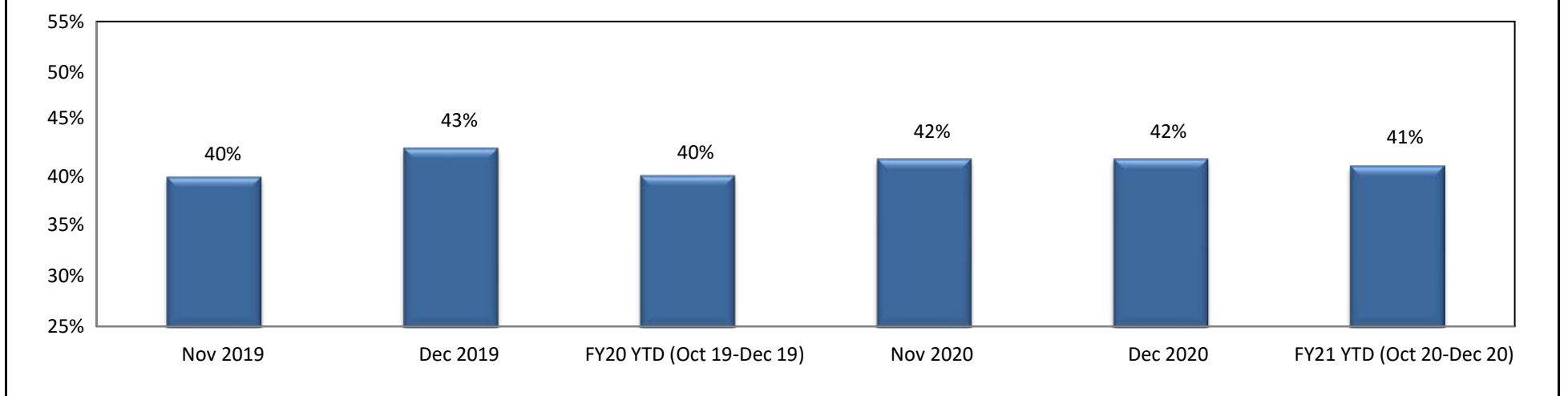
Austin Resource Recovery Curbside Collection and Drop Off Center Operations

Description of Services		LAST FISCAL YEAR				CURRENT FISCAL YEAR				
		FY 2019	FY 2020	Nov 2019	Dec 2019	FY20 YTD (Oct 19-Dec 19)	Nov 2020	Dec 2020	FY21 YTD (Oct 20-Dec 20)	FY 2021 Goal
Tons Disposed	Tons of curbside Trash	130,307	136,709	9,837	10,965	31,348	11,553	12,300	35,185	133,005
	Tons of Curbside Bulk Disposed	11,040	5,379	711	704	2,378	1,027	1,036	2,465	11,000
	HHW Operations Tons Disposed	517	347	39	27	103	48	40	142	600
	Estimated Tons of Curbside Recycling Residuals*	11,761	11,302	815	917	2,610	924	1,035	2,915	10,386
	Total Disposed Tons Collected Curbside and from Drop Off Center Operations	153,625	153,737	11,403	12,613	36,439	13,551	14,411	40,707	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	3,755	4,239	12,038	4,313	4,845	13,474	52,604
	RRC Tons Recycled/Reused	2,259	1,218	175	156	533	135	127	357	2,400
	RRC Tons of Brush Collected	2,595	1,722	287	183	732	27	54	149	2,000
	HHW Operations Tons recycled/reused	477	247	31	26	95	18	18	52	550
	Tons of Drop Off Center Collections Recycled/Reused	5,073	3,060	471	346	1,300	146	139	453	4,700
	Tons of Curbside Yard Trimmings	37,265	48,105	3,342	4,781	10,735	4,809	4,802	12,970	45,864
	Tons of Curbside Bulk Recycled	257	127	22	19	59	34	60	105	250
	Tons of Curbside Brush Collected	6,447	3,323	342	296	1,227	413	473	1,392	6,700
	Tons of Curbside Textiles Collected	77	25	0	0	0	3	3	9	180
	Tons of Carts Recycled	166	193	33	0	50	17	16	33	150
	Total Diverted Tons Collected Curbside and from Drop Off Center Operations	96,813	106,955	7,965	9,681	25,410	9,735	10,339	28,436	110,448
Tons of Curbside Compost Collected**	22,040	38,711	2,822	3,973	9,045	4,008	3,989	10,727	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	19,367	22,294	61,849	23,287	24,749	69,143	265,439
Estimated Percent of Curbside Collected Materials Diverted from Landfills by ARR		37.47%	40.38%	39.74%	42.58%	39.89%	41.52%	41.51%	40.82%	40.65%
Pounds of Trash collected per customer per pickup		24.78	25.57	22.29	24.75	23.63	25.68	27.25	26.04	24.62
Number of Trash and Recycling Customers		202,292	205,670	203,726	204,510	204,097	207,654	208,307	207,862	207,760
Pounds of Recycled materials collected per customer per pickup (every other week)		18.17	19.61	17.10	19.24	18.25	19.28	21.60	20.06	19.58
Pounds of Yard Trimmings collected per customer per week		7.12	9.05	7.61	10.85	8.14	10.75	10.70	9.66	8.53
Number of Yard Trimmings/Organics Customers		201,174	204,506	202,650	203,337	202,973	206,464	207,074	206,657	206,707
Total tons of Dead Animals Collected from COA rights-of-way and the animal shelter		30	34	3	3	9	4	3	10	30

Austin Resource Recovery Curbside Collection and Drop Off Center Operations



Estimated Percent of Curbside Collected Materials Diverted from Landfills by ARR

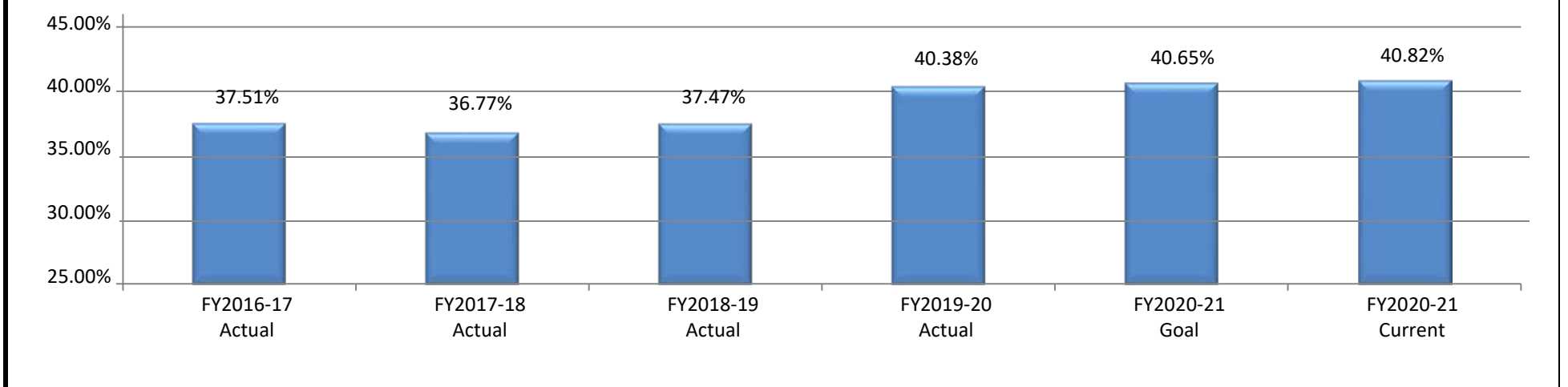


Reporting Status and Diversion Results for All Categories of Waste Generation

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%	40.82%
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 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 - February 10, 2021
Single Stream Recycling Statistical Report
FY21: October-December 2020

Texas Disposal Systems (TDS) and Balcones Resources, Inc. (BRI)

Month and Year	Contractor	Tons Delivered	Contractor Payments			Net Value to the City	Landfill Cost Avoidance	
			Revenue	Processing Cost	Net Amount Due/(Owed)	\$ per ton value	Cost Per Ton	Total
October 2020	TDS	2,094.01	\$81,991	\$189,508	(\$107,517)	(\$51.35)	\$22.87	\$47,890
	BRI	3,176.88	\$72,809	\$226,728	(\$153,919)	(\$48.45)	\$22.87	\$72,655
	<i>Total</i>	5,270.89	\$154,800	\$416,236	(\$261,437)			\$120,545
November 2020	TDS	2,451.34	\$102,134	\$221,846	(\$119,712)	(\$48.84)	\$22.87	\$56,062
	BRI	2,785.82	\$61,805	\$204,363	(\$142,558)	(\$51.17)	\$22.87	\$63,712
	<i>Total</i>	5,237.16	\$163,940	\$426,209	(\$262,269)			\$119,774
December 2020	TDS	2,487.24	\$113,935	\$225,095	(\$111,160)	(\$44.69)	\$22.87	\$56,883
	BRI	3,393.25	\$81,618	\$238,629	(\$157,010)	(\$46.27)	\$22.87	\$77,604
	<i>Total</i>	5,880.49	\$195,554	\$463,724	(\$268,170)			\$134,487
FY21 Totals		16,388.54	\$514,293	\$1,306,170	(\$791,876)			\$374,806