



To: Zero Waste Advisory Commission

From: Ken Snipes
Director
Austin Resource Recovery

Date: January 8, 2020

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

Curbside Textile Pickup Update

Background

A 2015 Waste Characterization Study estimated that 6.6 million pounds of textiles were going to Austin landfills every year. The study recommended that Austin Resource Recovery (ARR) implement a textiles collection program. ARR contracted with Simple Recycling to provide curbside clothing and household goods from June 2016-June 2019.

In response to community, non-profit and Council concerns about the contract, ARR completed a stakeholder process prior to soliciting a new contract. The results of that process were summarized in memo to Mayor and Council in November 2018 and used to develop a new solicitation textiles collection.

Current Situation

Prior to the solicitation, ARR issued a Request for Information to provide potential bidders and stakeholders an opportunity to identify any concerns with the scope of service. In August 2019, ARR issued a solicitation for a textiles collection program that prioritized highest and best use diversion, local end markets, customer service and increased oversight and reporting requirements. The evaluation team recommended a contract with Goodwill of Central Texas, a 501(c)(3) nonprofit corporation. The recommended proposal with Goodwill of Central Texas is a revenue contract and pays the City of Austin \$0.0025 per pound of material collected.

The proposed program is an on-call collection program that accepts textiles and other gently used household goods. Materials will be collected in reusable bags and marketed in Goodwill of Central Texas stores. ARR's Recycle and Reuse Drop-Off Center, as well as local reuse organizations identified in the Austin Reuse Directory will remain alternative drop-off locations for the Austin community.

Next Steps

ARR will work with Goodwill of Central Texas to integrate the program and educate customers about the new service, anticipated to begin in early 2020.

Household Hazardous Waste Mobile Event Cost Estimates

A mobile household hazardous waste collection event in North Austin is estimated to cost approximately \$100,000. This cost includes mobilization and staffing by the City's hazardous waste vendor along with disposal/recycling of the material collected.

ARR is planning for a potential event in spring of 2020 with the hopes of providing a convenient option for residents in the northern portion of the city.

Economic Impact Study on C&D Diversion Requirements

Austin City Council adopted the Construction and Demolition (C&D) Diversion Ordinance in 2015 [15-6-150] establishing minimum standards for landfill diversion of construction debris for building permits that exceed 5,000 square feet and all demolition permits regardless of permitted size.

Austin Code of Ordinances [15-6-151] directs City Council to consider increasing the existing minimum diversion rates of construction debris from 50% to 75% in October 2020. This potential increase is subject to approval by City Council based on a report which measures the economic impact of ordinance required C&D diversion on household affordability and an assessment of future markets for the reuse of C&D material [15-6-157].

In November 2019, Burns & McDonnell was awarded a contract to complete a study, final report, and presentation on:

- 1) The C&D ordinance impact on household affordability, by calculating a cost per square foot impact to Austin single and multi-family homes;
- 2) An assessment of deconstruction and re-use markets for C&D materials; and
- 3) An analysis of current C&D debris markets including current price of commodities, saturation of local markets, market trends, and factors which may hinder or encourage the growth of C&D reuse and recycling markets in the next five years.

This report is anticipated to be completed by the contractor and provided to the City Manager in May 2020.



ARR Solicitations Update
As of December 19, 2019
ZWAC Meeting January 8, 2020

Upcoming Solicitations Under Development (in alphabetical order):

1. Lighting Upgrade at Austin Resource Recovery's Todd Lane Campus: IFB – Upgrade external lighting to energy efficient light-emitting diode (“LED”) light panels. No existing contract.
2. Post-Disaster Debris Removal Services: RFP – Provide emergency debris removal services according to Federal Emergency Management Administration (FEMA) policies and guidelines. No existing contract.
3. Post-Disaster Debris Monitoring Services: RFP – 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.
4. Purchase of Foam Densifier: IFB – Provide new foam densifier to include delivery, installation, training, and warranty. No existing contract.
5. Recycling Processing Services for City In-House Recycling Collection: IFB – Provide single-stream recyclable material processing and marketing services to receive, sort, process, store, market, and sell recyclable material collection by ARR from City facilities. [Link to current contract.](#)
6. Single-Stream Recycling Services for RRDOC: IFB – Operate a single-stream recycling facility to help increase diversion from landfills by picking up and processing single-stream recyclable materials collected at the Recycle and Reuse Drop-off Center to provide support for the City's recycling drop-off location for residents who do not receive curbside collections and want to responsibly discard their recyclables. [Link to current contract.](#)
7. Truck Scale Inspection, Maintenance, and Repair Services: IFB – Complete quarterly full-service, diagnostics, inspections, preventative maintenance, servicing, authorized part replacements, and repairs of truck and floor scales located at City facilities. [Link to current contract.](#)

Published Solicitations:

1. Dumpster Collection and Cleaning Services for the Central Business District: [RFI/IFB 1500 SLW1036](#) – Provide trash, recycling, and compost dumpster collection, collection of bulk materials and area litter clean up in the Central Business District of Austin, Texas. This solicitation posted on December 9, 2019 and closes on January 7, 2020. [Link to current contract.](#)
2. Replacement Brooms for Sweepers: [IFB 1500 JRH1031REBID](#) – Provide replacement brooms and accessories for ARR's Schwarze, Tennant, and Tymco sweepers on an as-needed basis. [Link to current contract.](#) This solicitation was published on December 16, 2019 and closes on January 7, 2020. The original solicitation was published on October 21, 2019 and closes on November 12, 2019 through [IFB 1500 JRH1031](#) but had to be rebid due to bids being unresponsive.

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.

3. Vehicle Rapid Response Remediation Services: IFB 1500 SLW1037 – Provide rapid response remediation services for spills resulting from accidents and equipment malfunctions that occur within ARR’s vehicle fleet, to include containerizing and transporting the material from vehicle spills for recycling, waste treatment, and ultimate disposal. Spills associated with these incidents are primarily non-hazardous total petroleum hydrocarbons (TPH) and engine coolant. This solicitation posted on December 16, 2019 and closes on January 7, 2020. [Link to current contract.](#)

Solicitations Expected to be Posted Within the Next 90 Days:

1. Daily Drop-Off of Material Collected Through Dumpster or Roll-Off Service: IFB – Receive daily collections of bulk materials from the City at their disposal facility or landfill. No existing contract.
2. Mattress Collection and Recycling Services: RFP – This is a new service needed as mattresses are currently collected through bulky collection and landfilled. [RFI 1500 SLW6000](#) was issued in July 2018 related to these services. That information is under review to establish a scope of work for solicitation. No existing contract.
3. Refurbishing Receptacles: IFB – Provide refurbishing services for trash, compostable, and recyclable receptacles (carts) used by the City. No existing contract.
4. Routine Non-Residential (City facilities) Dumpster Collection Services: [RFI](#)/IFB – Collect trash, recycling, brush, bulk, and compostable Materials from City of Austin facilities. Scope may also include special event and emergency service needs at City facilities on an as-needed basis. [Link to current contract.](#)
5. Truck Wash Equipment Inspection, Maintenance, and Repair: RFQ – Routine monthly inspection, maintenance, and repairs on the commercial vehicle truck was equipment owned by the City. The ensuing contract will be for one year to cover the City’s needs until the new equipment retrofit is complete. [Link to current contract.](#)

Solicitations in Evaluation or Negotiation:

1. Medical Health and Evaluation Program: [RFQS 1500 EAD4003](#) – Provide a medical and health evaluation program for applicants and employees potentially exposed to levels of hazardous materials, respiratory contaminants, noise, and other occupational health related conditions, as well as conduct medical and health evaluations for Commercial Driver’s License holders to determine each driver’s physical ability to operate a commercial vehicle. Current contract, NA140000170, is not available to the public. Current Contract expires on October 12, 2019. This solicitation was published on August 19, 2019 and closed on September 26, 2019.
2. Residential Trash Dumpster Collection Services: [IFB 1500 SLW1028](#) – Collect, transport, process, dispose of, and clean-up trash materials generated by ARR residential customers located within the ARR service areas of Austin. ARR residential customers include single-family, duplex, triplex, and fourplex premises. This solicitation was posted on September 16, 2019 and closed on October 22, 2019. [Link to current contract.](#)
3. Trash and Recycling Receptacles for Downtown: [IFB 1500 SLW1017](#) – Provide trash and recycling containers that match receptacle design in the downtown Austin area, according to Great Streets Master Plan. This solicitation was published on March 4, 2019 and closed on March 21, 2019.

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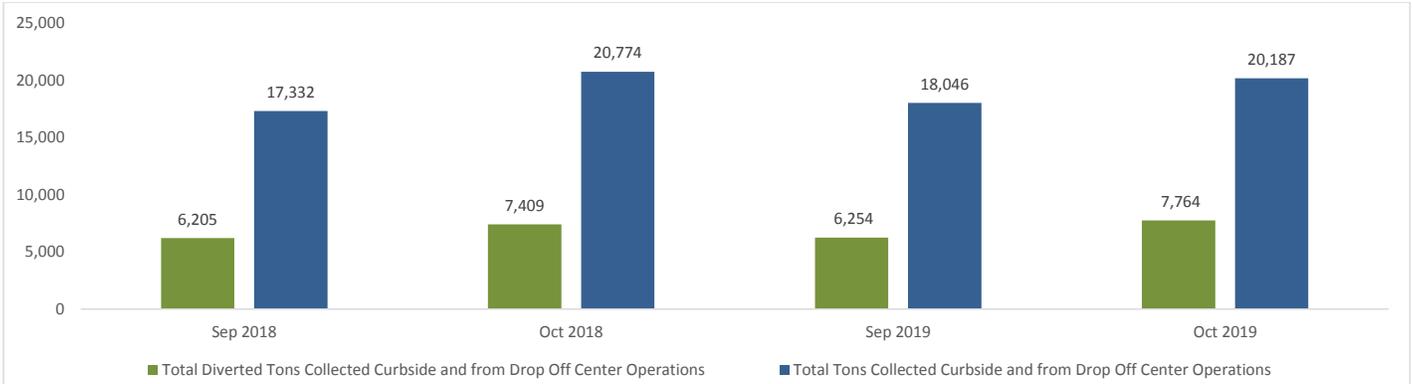
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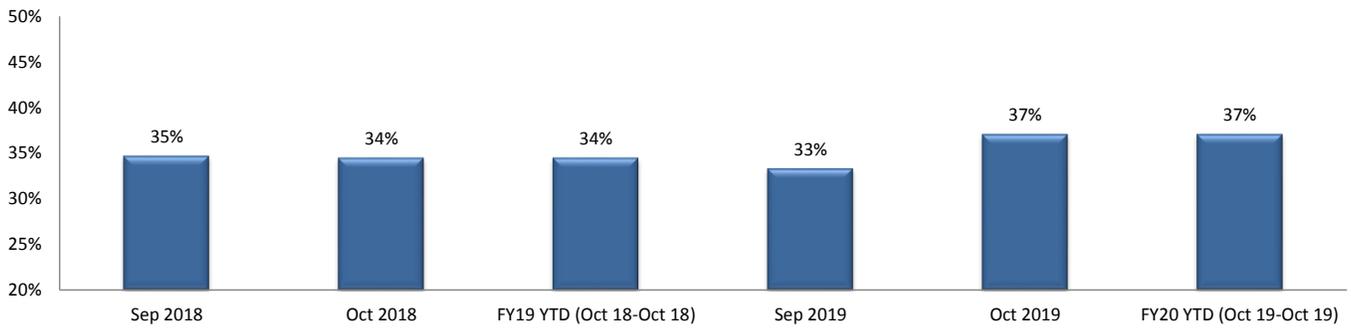
Austin Resource Recovery Curbside Collection and Drop Off Center Operations

Description of Services		LAST FISCAL YEAR				CURRENT FISCAL YEAR				
		FY 2018	FY 2019	Sep 2018	Oct 2018	FY19 YTD (Oct 18-Oct 18)	Sep 2019	Oct 2019	FY20 YTD (Oct 19-Oct 19)	FY 2020 Goal
Tons Disposed	Tons of curbside Trash	128,829	130,307	9,619	11,194	11,194	9,914	10,546	10,546	132,546
	Tons of Curbside Bulk Disposed	10,231	11,040	550	1,079	1,079	868	963	963	10,248
	HHW Operations Tons Disposed	528	517	33	33	33	35	36	36	560
	Estimated Tons of Curbside Recycling Residuals*	10,642	11,761	925	1,059	1,059	974	878	878	10,670
	Total Disposed Tons Collected Curbside and from Drop Off Center Operations	150,230	153,625	11,127	13,365	13,365	11,792	12,423	12,423	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	3,567	4,141	4,141	3,473	4,046	4,046	50,250
	RRC Tons Recycled/Reused	1,986	2,259	136	201	201	193	202	202	2,600
	RRC Tons of Brush Collected	1,505	2,595	141	175	175	171	261	261	2,500
	HHW Operations Tons recycled/reused	469	477	47	48	48	30	36	36	560
	Tons of Drop Off Center Collections Recycled/Reused	3,759	5,073	318	400	400	387	481	481	5,450
	Tons of Curbside Yard Trimmings	32,244	37,265	1,754	2,256	2,256	1,802	2,612	2,612	37,500
	Tons of Curbside Bulk Recycled	201	257	5	25	25	7	18	18	210
	Tons of Curbside Brush Collected	6,292	6,447	526	563	563	585	589	589	7,373
	Tons of Curbside Textiles Collected	150	77	9	8	8	0	0	0	157
	Tons of Carts Recycled	154	166	26	17	17	0	17	17	175
	Total Diverted Tons Collected Curbside and from Drop Off Center Operations	90,805	96,813	6,205	7,409	7,409	6,254	7,764	7,764	101,115
Tons of Curbside Compost Collected**	14,414	22,040	1,179	1,457	1,457	1,312	2,251	2,251	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	17,332	20,774	20,774	18,046	20,187	20,187	255,139	
Estimated Percent of Curbside Collected Materials Diverted from Landfills by ARR	36.77%	37.47%	34.67%	34.46%	34.46%	33.29%	37.02%	37.02%	38.05%	
Pounds of Trash collected per customer per pickup	24.84	24.78	22.07	25.68	25.68	22.45	23.85	23.85	24.92	
Number of Trash and Recycling Customers	199,448	202,292	201,150	201,177	201,177	203,854	204,055	204,055	204,549	
Pounds of Recycled materials collected per customer per pickup (every other week)	18.62	18.17	16.47	19.11	19.11	15.81	18.40	18.40	18.99	
Pounds of Yard Trimmings collected per customer per week	6.25	7.12	4.05	5.21	5.21	4.10	5.94	5.94	7.09	
Number of Yard Trimmings/Organics Customers	198,325	201,174	199,923	200,000	200,000	202,722	202,933	202,933	203,508	
Total tons of Dead Animals Collected from COA rights-of-way and the animal shelter	36	30	2	3	3	2	3	3	32	

Austin Resource Recovery Curbside Collection and Drop Off Center Operations



Estimated Percent of Curbside Collected Materials Diverted from Landfills by ARR

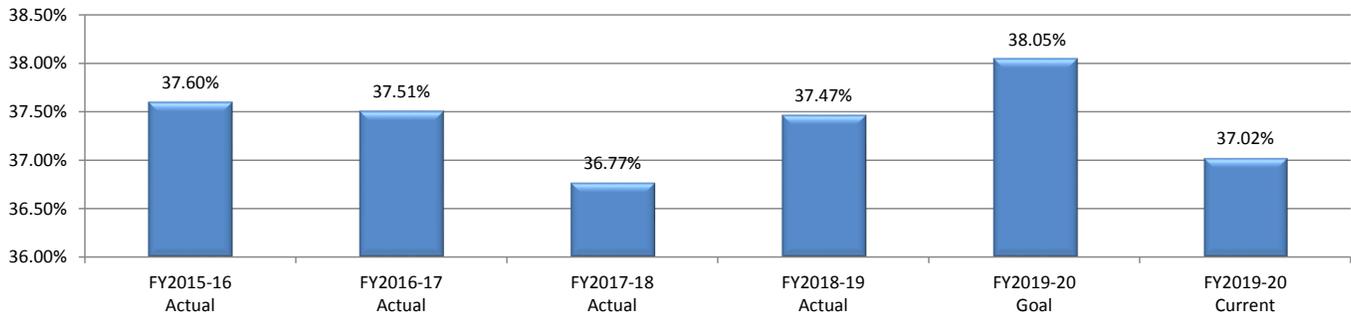


Reporting Status and Diversion Results for All Categories of Waste Generation

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%	37.02%
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 2016	CY 2017	CY 2018
Commercial Tons Landfilled**	1,152,661	1,708,484	1,079,312
Commercial Tons Recycled**	360,244	722,573	402,292
Commercial Organics Tons**	206,165	97,173	80,906

** 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 - January 8th, 2020
Single Stream Recycling Statistical Report

FY20: October 2019-November 2019

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
	<i>Total</i>	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
	<i>Total</i>	4,570.12	\$84,856	\$364,884	(\$280,028)			\$104,793
	FY20 Totals	9,492.88	\$169,517	\$756,436	(\$586,919)			\$217,672