



**To:** Zero Waste Advisory Commission

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

**Date:** October 9, 2019

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

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### **Encampment Garbage Collection (Violet Bag Pilot)**

Beginning the week of July 8<sup>th</sup>, Austin Resource Recovery (ARR) participated in a project along with Watershed Protection (WPD), the Office of Design and Delivery (ODD), Public Works (PW), Parks and Recreation Department (PARD), Integral Care PATH team, and Austin 311 to test a seven-week garbage collection pilot at four encampment sites around the city. The pilot sites included:

- Ohlen Road and Highway 183
- Cameron Road and Highway 183
- Cesar Chavez and Interstate 35
- Packsaddle Pass and Highway 71

Kiosks were installed at each site to mark the location for collection and violet-colored trash bags were distributed to the site residents. ARR crews removed bags from each of the sites weekly. Over the course of the pilot, ARR crews collected approximately 119 bags and over 500 pounds of trash. Collections at each site continues as the project team evaluates options for expansion.

### **Downtown Receptacles Update**

Below are the cost savings of the Great Streets litter containers:

Tournnesol:	\$113,950 for a dual receptacle	\$95,900 for a single receptacle
Sitescape:	\$59,600 for a dual receptacle	\$50,850 for a single receptacle
Savings:	\$54,350 for the dual receptacle	\$45,050 for the single receptacle

ARR plans on purchasing 50 containers. A meeting was held with Public Works on September 30<sup>th</sup> about moving forward with the low bid (Sitescape).



ARR Solicitations Update  
As of September 18, 2019  
ZWAC Meeting October 9, 2019

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

1. Post-Disaster Debris Removal Services: RFP – Contractor to provide emergency debris removal services in accordance with the Federal Emergency Management Administration (FEMA) policies and guidelines. No existing contract.
2. 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.

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

1. Daily Drop-Off of Material Collected Through Dumpster or Roll-Off Service: IFB – Contractor to receive daily collections of bulk materials from the City at their disposal facility or landfill. No existing contract.
2. Dumpster Collection and Cleaning Services for the Central Business District: [RFI/IFB](#) – Contractor to provide trash, recycling, and compost dumpster collection, collection of bulk materials and area litter clean up in the Central Business District of Austin, Texas. [Link to current contract.](#)
3. Impact Study – Economic Impact of Existing C&D Disposal and Diversion Rates on Household Affordability: RFQ – Consultant to conduct a comprehensive, data driven benchmarking study of the economic impact of existing disposal and diversion rates on household affordability and an assessment of future markets for reuse of construction and demolition materials on or before April 2, 2020. This study is required by section 15-6-157 A of [City Ordinance No. 20151119-098](#). No existing contract.
4. 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.
5. Replacement Brooms for Sweepers: IFB – Contractor to provide replacement brooms and accessories for ARR's Schwarze, Tennant, and Tymco sweepers on an as-needed basis. [Link to current contract.](#)
6. Routine Non-Residential (City facilities) Dumpster Collection Services: [RFI/IFB](#) – Contractor to 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.](#)
7. Vehicle Rapid Response Remediation Services: IFB – Contractor to 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. [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.

## **Published Solicitations:**

1. Medical Health and Evaluation Program: [RFQS 1500 EAD4003](#) – Contractor to 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 closes on September 26, 2019.
2. Recycling of Polyethylene (Plastic Film): [RFQ 1500 SLW2000](#) – This is being resolicited as an RFQ. Only one response was received with the IFB, and it did not meet the City's needs. The [IFB solicitation](#) was published on May 15, 2019 and closed on June 6, 2019. There was no previous contract. Contractor to pick up, transport, and recycle expanded polystyrene that ARR collects at the RRDOC. ARR collected approximately 15 tons of plastic film last year. This solicitation (RFQ) posted on September 13, 2019 and closes on October 3, 2019.
3. Residential Trash Dumpster Collection Services: [IFB 1500 SLW1028](#) – Contractor to 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 closes on October 8, 2019. [Link to current contract](#).
4. Textiles Curbside Recycling: [RFP 1500 SLW3004](#) – Contractor to develop and implement an all-encompassing curbside soft textile recyclables collection services program that will not compete with charitable clothing donation centers. This solicitation was published on August 5, 2019 and has been extended to close on September 24, 2019. An [RFI](#) was previous posted for this service. [Link to current contract](#).

## **Solicitations in Evaluation or Negotiation:**

1. Collection, Transportation, Processing, and Disposal of Hazardous Waste: [IFB 1500 SLW1025](#) – Contractor to collect, transport, process, and dispose of hazardous waste collected at the Recycle and Reuse Drop-off Center (RRDOC), as well as provide emergency response remediation services for hazardous and non-hazardous solid waste spills on City property. This solicitation was published on June 10, 2019 and closed on July 16, 2019.
2. Flat Sheet Printing and Direct Mail Services: [IFB 1500 CRR1004REBID](#) – Contractor to provide a variety of flat sheet printing and related services. This rebid was published on August 19, 2019 and closed on September 5, 2019. The [original solicitation](#) was published on May 27, 2019 and closed on June 13, 2019.
3. Organics Processing Services: [IFB 1500 SLW1018](#) – Contractor to provide complete organics processing, sorting, composting, and marketing services to include detailed data reporting to support the City's expanding residential curbside organic materials collection program. This solicitation was published on May 27, 2019 and closed on June 25, 2019.
4. Trash and Recycling Receptacles for Downtown: [IFB 1500 SLW1017](#) – Contractor to 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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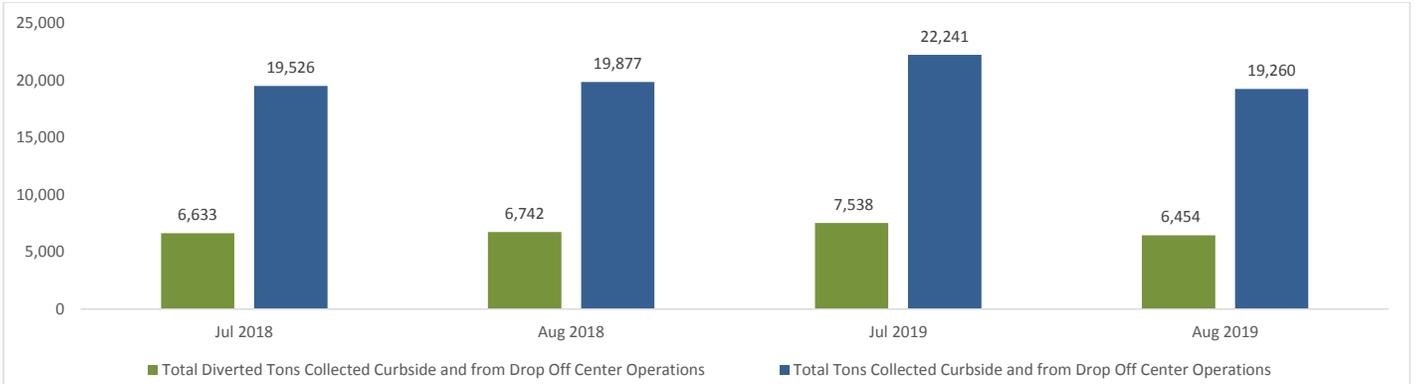
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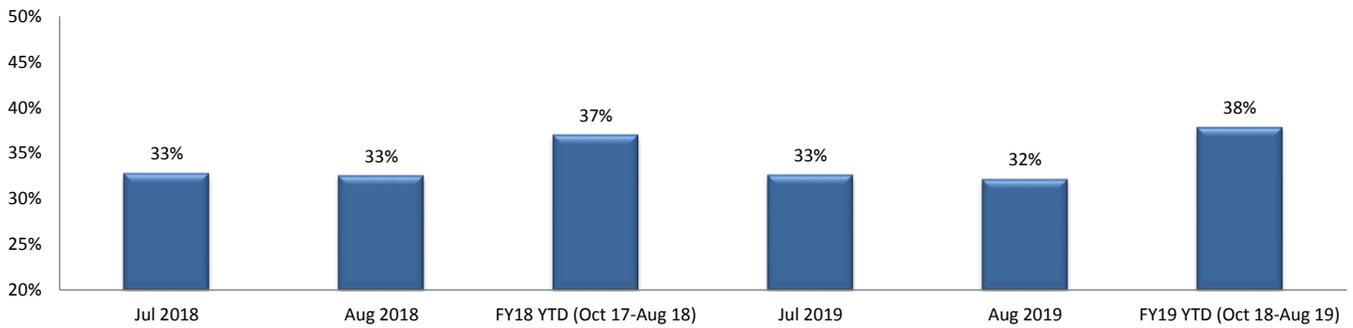
# Austin Resource Recovery Curbside Collection and Drop Off Center Operations

Description of Services		LAST FISCAL YEAR				CURRENT FISCAL YEAR				
		FY 2017	FY 2018	Jul 2018	Aug 2018	FY18 YTD (Oct 17-Aug 18)	Jul 2019	Aug 2019	FY19 YTD (Oct 18-Aug 19)	FY 2019 Goal
Tons Disposed	Tons of curbside Trash	131,815	128,829	10,660	10,777	119,210	11,623	10,413	120,393	134,253
	Tons of Curbside Bulk Disposed	11,179	10,231	1,199	1,262	9,681	1,929	1,292	10,560	11,227
	HHW Operations Tons Disposed	471	528	53	56	494	46	58	482	451
	Estimated Tons of Curbside Recycling Residuals*	9,471	10,642	980	1,040	9,718	1,105	1,043	10,787	10,670
	<b>Total Disposed Tons Collected Curbside and from Drop Off Center Operations</b>	<b>152,936</b>	<b>150,230</b>	<b>12,893</b>	<b>13,135</b>	<b>139,104</b>	<b>14,703</b>	<b>12,806</b>	<b>142,222</b>	<b>156,601</b>
<b>*Estimated tons of curbside recycling processed by vendors as residual - based on bi-annual sample route audit</b>										
Tons Diverted	Tons of curbside recycling	49,233	48,005	3,849	3,931	44,438	3,955	3,607	44,055	51,330
	RRC Tons Recycled/Reused	1,641	1,986	196	250	1,851	231	172	2,065	1,810
	RRC Tons of Brush Collected	1,142	1,505	127	140	1,364	181	206	2,424	2,250
	HHW Operations Tons recycled/reused	465	469	47	48	422	41	48	447	558
	Tons of Drop Off Center Collections Recycled/Reused	3,087	3,759	345	426	3,441	404	403	4,686	4,453
	Tons of Curbside Yard Trimmings	34,316	32,244	1,869	1,621	30,490	2,406	1,689	35,463	41,367
	Tons of Curbside Bulk Recycled	161	201	24	12	196	49	23	250	165
	Tons of Curbside Brush Collected	7,367	6,292	504	725	5,766	660	675	5,862	7,900
	Tons of Curbside Textiles Collected	238	150	18	15	141	0	0	77	157
	Tons of Carts Recycled	197	154	0	0	128	16	34	166	175
	<b>Total Diverted Tons Collected Curbside and from Drop Off Center Operations</b>	<b>94,760</b>	<b>91,006</b>	<b>6,633</b>	<b>6,742</b>	<b>84,795</b>	<b>7,538</b>	<b>6,454</b>	<b>90,809</b>	<b>105,712</b>
	Tons of Curbside Compost Collected**	5,069	14,414	1,271	1,132	13,234	1,520	1,162	20,729	27,300
<b>**"Tons of Curbside Compost Collected" is included in the "Tons of Yard Trimmings Collected"</b>										
<b>Total Tons Collected Curbside and from Drop Off Center Operations</b>		<b>247,696</b>	<b>241,236</b>	<b>19,526</b>	<b>19,877</b>	<b>223,899</b>	<b>22,241</b>	<b>19,260</b>	<b>233,031</b>	<b>262,313</b>
<b>Estimated Percent of Curbside Collected Materials Diverted from Landfills by ARR</b>		<b>37.51%</b>	<b>36.77%</b>	<b>32.79%</b>	<b>32.52%</b>	<b>36.99%</b>	<b>32.59%</b>	<b>32.10%</b>	<b>37.80%</b>	<b>39.30%</b>
<b>Pounds of Trash collected per customer per pickup</b>		<b>26.09</b>	<b>24.84</b>	<b>24.43</b>	<b>24.65</b>	<b>25.10</b>	<b>26.31</b>	<b>23.55</b>	<b>24.99</b>	<b>25.52</b>
Number of Trash and Recycling Customers		194,357	199,448	201,356	201,764	199,293	203,881	204,089	202,150	202,317
<b>Pounds of Recycled materials collected per customer per pickup (every other week)</b>		<b>19.61</b>	<b>18.62</b>	<b>17.75</b>	<b>18.10</b>	<b>18.82</b>	<b>18.00</b>	<b>16.41</b>	<b>18.39</b>	<b>19.82</b>
<b>Pounds of Yard Trimmings collected per customer per week</b>		<b>6.83</b>	<b>6.25</b>	<b>4.31</b>	<b>3.73</b>	<b>6.46</b>	<b>5.48</b>	<b>3.84</b>	<b>7.40</b>	<b>7.99</b>
Number of Yard Trimmings/Organics Customers		193,110	198,325	200,125	200,515	198,179	202,773	202,866	201,033	199,199
Total tons of Dead Animals Collected from COA rights-of-way and the animal shelter		44	36	3	2	34	2	3	28	42

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



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

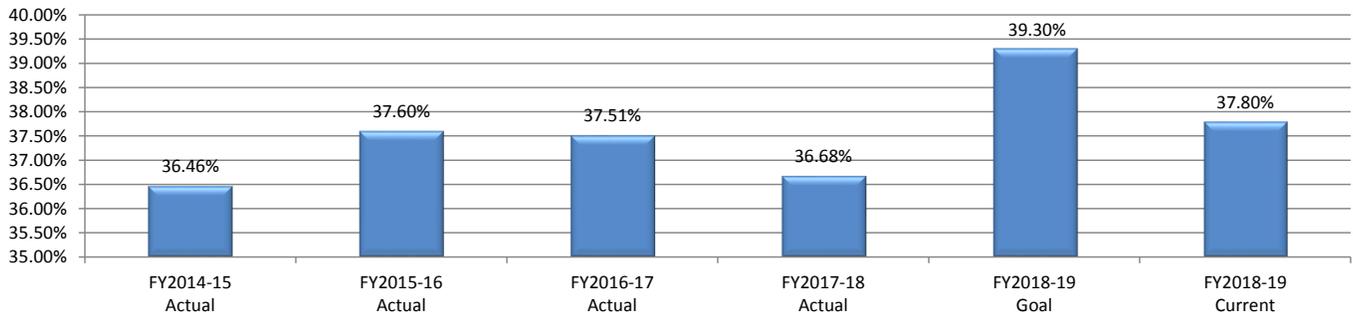


#### Reporting Status and Diversion Results for All Categories of Waste Generation

Category of Waste Generation	FY2014-15 Actual	FY2015-16 Actual	FY2016-17 Actual	FY2017-18 Actual	FY2018-19 Goal	FY2018-19 Current
<b>Residential Waste Diversion (city serviced accounts)</b>	36.46%	37.60%	37.51%	36.68%	39.30%	37.80%
<b>Community Diversion Rate</b>	*	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
<b>Commercial Tons Landfilled**</b>	1,152,661	1,708,484	1,079,312
<b>Commercial Tons Recycled**</b>	360,244	722,573	402,292
<b>Commercial Organics Tons**</b>	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 - October 9th, 2019

### Single Stream Recycling Statistical Report

FY19: October 2018 - August 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 2018	TDS	2,292.54	\$93,700	\$207,475	(\$113,775)	(\$49.63)	\$22.52	\$51,628
	BRI	2,907.11	\$60,090	\$211,519	(\$151,430)	(\$52.09)	\$22.52	\$65,468
	<b>Total</b>	5,199.65	\$153,790	\$418,994	(\$265,205)			\$117,096
November 2018	TDS	1,890.70	\$71,812	\$171,108	(\$99,296)	(\$52.52)	\$22.52	\$42,579
	BRI	3,256.23	\$65,141	\$231,092	(\$165,951)	(\$50.96)	\$22.52	\$73,330
	<b>Total</b>	5,146.93	\$136,953	\$402,201	(\$265,247)			\$115,909
December 2018	TDS	2,164.25	\$81,734	\$195,865	(\$114,130)	(\$52.73)	\$22.52	\$48,739
	BRI	3,043.88	\$60,832	\$219,414	(\$158,582)	(\$52.10)	\$22.52	\$68,548
	<b>Total</b>	5,208.13	\$142,566	\$415,278	(\$272,712)			\$117,287
January 2019	TDS	2,256.70	\$83,512	\$204,231	(\$120,719)	(\$53.49)	\$22.52	\$50,821
	BRI	3,478.81	\$67,008	\$243,334	(\$176,326)	(\$50.69)	\$22.52	\$78,343
	<b>Total</b>	5,735.51	\$150,520	\$447,566	(\$297,046)			\$129,164
February 2019	TDS	1,767.72	\$60,030	\$159,979	(\$99,949)	(\$56.54)	\$22.52	\$39,809
	BRI	2,585.31	\$45,828	\$192,534	(\$146,705)	(\$56.75)	\$22.52	\$58,221
	<b>Total</b>	4,353.03	\$105,858	\$352,512	(\$246,654)			\$98,030
March 2019	TDS	1,710.00	\$54,164	\$154,755	(\$100,591)	(\$58.83)	\$22.52	\$38,509
	BRI	2,782.95	\$45,917	\$204,194	(\$158,277)	(\$56.87)	\$22.52	\$62,672
	<b>Total</b>	4,492.95	\$100,081	\$358,949	(\$258,868)			\$101,181
April 2019	TDS	2,241.97	\$62,901	\$202,898	(\$139,997)	(\$62.44)	\$22.52	\$50,489
	BRI	2,745.03	\$39,757	\$201,957	(\$162,200)	(\$59.09)	\$22.52	\$61,818
	<b>Total</b>	4,987.00	\$102,658	\$404,855	(\$302,197)			\$112,307
May 2019	TDS	1,829.78	\$52,746	\$165,595	(\$112,849)	(\$61.67)	\$22.52	\$41,207
	BRI	3,513.29	\$45,260	\$245,231	(\$199,971)	(\$56.92)	\$22.52	\$79,119
	<b>Total</b>	5,343.07	\$98,006	\$410,826	(\$312,820)			\$120,326
June 2019	TDS	1,924.09	\$54,107	\$174,130	(\$120,023)	(\$62.38)	\$22.93	\$44,119
	BRI	2,742.24	\$35,654	\$201,792	(\$166,138)	(\$60.58)	\$22.93	\$62,880
	<b>Total</b>	4,666.33	\$89,761	\$375,922	(\$286,162)			\$106,999
July 2019	TDS	2,252.82	\$61,362	\$203,880	(\$142,519)	(\$63.26)	\$22.93	\$51,657
	BRI	2,806.60	\$41,022	\$205,590	(\$164,568)	(\$58.64)	\$22.93	\$64,355
	<b>Total</b>	5,059.42	\$102,383	\$409,470	(\$307,086)			\$116,013
August 2019	TDS	1,715.03	\$43,424	\$155,210	(\$111,786)	(\$65.18)	\$22.93	\$39,326
	BRI	2,935.17	\$40,148	\$213,175	(\$173,027)	(\$58.95)	\$22.93	\$67,303
	<b>Total</b>	4,650.20	\$83,572	\$368,385	(\$284,813)			\$106,629
	<b>FY19 Totals</b>	<b>54,842.22</b>	<b>\$1,266,149</b>	<b>\$4,364,959</b>	<b>(\$3,098,809)</b>			<b>\$1,240,941</b>