



To: Zero Waste Advisory Commission

From: Ken Snipes
Director
Austin Resource Recovery

Date: August 10th, 2022

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

Potential Transfer Station Update

In late June, Austin Resource Recovery (ARR) sent three employees, Donald Hardee, ARR Division Manager, Brent Paige, Financial Manager II, and Richard McHale, Deputy Director, to research and identify best practices for the construction and operation of transfer stations in Seattle and the Los Angeles areas. Staff visited the Seattle North, Seattle South, Factoria, Bow Lake, and Puente Hills facilities. In addition to touring the facilities, staff had the opportunity to sit down with staff from the other entities to discuss topics such as facility layouts, safety, costs, equipment selection, challenges, and opportunities. Staff will apply what they have learned to help in identifying potential locations and in the development of a facility to accept materials that will lower the department's carbon footprint associated with long hauls to disposal sites. The department continues to search for property to site such a facility that will be able to handle multiple material streams and provide an educational space to view the operations while learning about the operations and how materials are recycled.

Future Residential Household Waste Pilot

The Household Hazardous Waste Program is working with ARR's Strategic Initiatives Division and Quality Assurance Division on the preliminary details of a pilot for residential HHW collection. The pilot will take place in two North Austin districts and last approximately one year. The plan is to begin the pilot in September in District 4 and District 10. The data from this pilot will be used to determine the feasibility of a citywide residential collection program.

Collections Fleet Self-contained Air Conditioning Units Purchase

On 29 July 2022, ARR executed a contract with Lonestar Forklifts via a Certificate of Exemption for Public Health and Safety for the purchase of 50 self-contained air conditioning units. This request was due to the extremely hot temperatures the region is experiencing in which, two ARR employees have suffered heat illness emergencies that required emergency medical treatment. This weather event is unusual and surpassed the extreme heat wave of 2011 with no end in sight. On 16 June 2022, 20% of ARR's collection fleet had inoperable air conditioning units. ARR does not have enough excess fleet to rotate vehicles to ensure that its employees can utilize an air-conditioned vehicle. As of 28 July 2022, there is an average of 28 vehicles without operational air conditioning units on a given day. The list is extremely fluid with trucks being added daily. Fifty units, while only a small portion of the overall fleet, would help to address some of the immediate urgent concerns to protect the public safety of the community and the health of ARR employees as ARR works on a formal solicitation to address the rest of the fleet. ARR ordered 50 units as the delivery timetable and the installation time requirements are being accounted for. Ordering more units will require more lead and installation time and the temperatures will likely be cooling by the time more units would be able to be installed.



ARR Solicitations Update
As of July 21, 2022
ZWAC Meeting August 10, 2022

Upcoming Solicitations and Agreements Under Development (in alphabetical order):

1. CBD 1 – Alley Cleaning Services in the Central Business District: IFB – The Contractor shall provide alley cleaning services within the downtown Central Business District (“CBD”) of Austin, Texas. These services shall include the collection, transportation, and disposal of debris and bulk found in the CBD.
2. CBD 2 – Trash, Recycling, and Composting Collection Services for the Central Business District: IFB – The Contractor shall provide collection, transportation, processing, and disposal services of trash, bulk materials, recycling, compost, and daily litter cleanups for services to be performed within the downtown Central Business District (“CBD”) of Austin, Texas. [Link to the current contract.](#)
3. Household Hazardous Waste and Recycling Collection Services: ILA – The City will provide household hazardous waste, recycling, and other collection services for Travis County households located outside the incorporated limits of the city.
4. Mattress Collection and Recycling Pilot Program: RFP – The Contractor shall develop and implement a mattress and box spring collection and recycling pilot program. No existing contract.
5. Sale of Trash Carts and Materials for Recycling: IFB – The Contractor shall purchase, transport, and recycle trash carts and materials including carts, lids, and wheels that the City of Austin deems no longer usable. [Link to the current contract.](#)
6. Supplemental Brush and Bulk Collection Services: IFB - The Contractor shall provide supplemental brush and bulk debris removal and hauling services throughout Travis County and dispose of the debris at the designated Debris Management Site (“DMS”). [Link to the current contract.](#)

Solicitations Expected to be Posted Within the Next 90 Days & Published Solicitations:

No Updates

Solicitations in Evaluation or Negotiation:

1. Solid Waste Industry Consulting Services: [RFQS 1500 JTH4011REBID](#) - This solicitation was posted on March 07, 2022, and closed on April 14, 2022. The Consultants shall provide professional solid waste industry consulting services, including delivering industry knowledge, technical advice, and recommendations related to the solid waste industry on an as-needed basis. No existing contract.
2. Vehicle Wrap and Installation Services: [IFB 1500 AMA1069](#) – This solicitation was posted on January 31, 2022, and closed on March 22, 2022. The Contractors shall provide vehicle wrap and installation services on various vehicles. No existing 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.

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.

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.

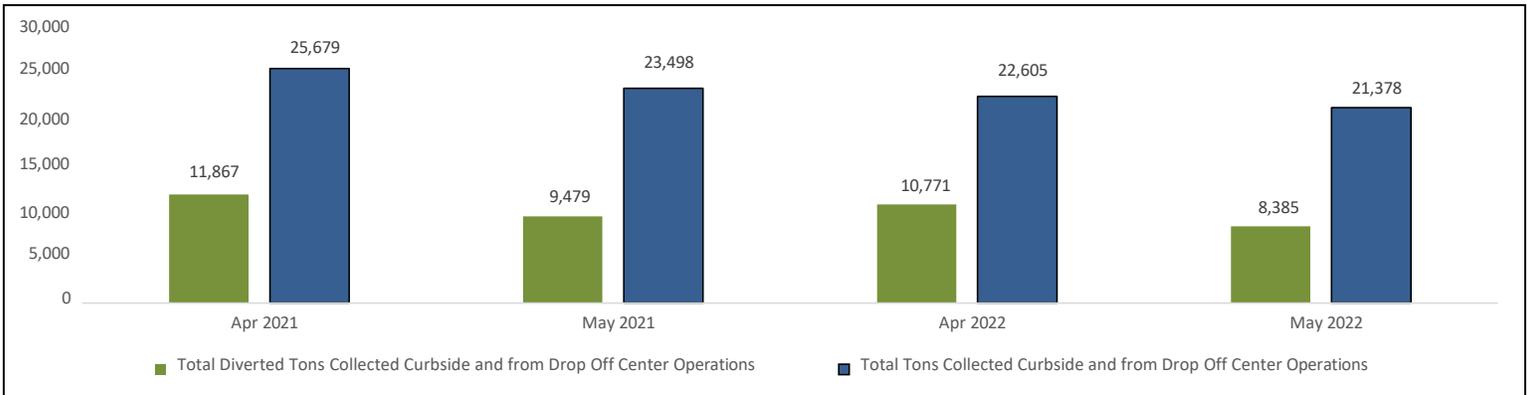
Austin Resource Recovery Curbside Collection and Drop Off Center Operations

LAST FISCAL YEAR

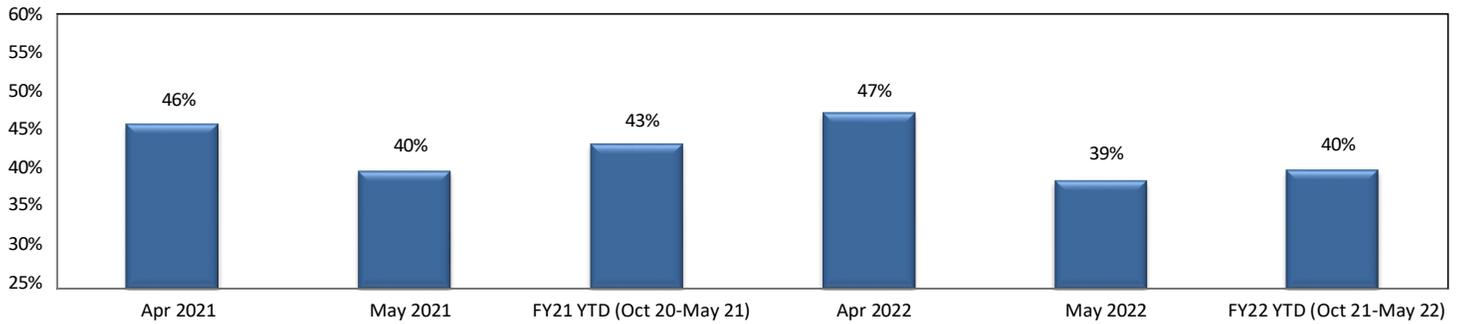
CURRENT FISCAL YEAR

Description of Services	LAST FISCAL YEAR		CURRENT FISCAL YEAR		FY21 YTD (Oct 20-May 21)	CURRENT FISCAL YEAR		FY22 YTD (Oct 21-May 22)	FY 2022 Goal	
	FY 2020	FY 2021	Apr 2021	May 2021		Apr 2022	May 2022			
Tons Disposed	Tons of curbside Trash	136,709	138,955	11,825	11,558	92,837	10,876	11,742	90,364	133,800
	Tons of Curbside Bulk Disposed	5,379	11,651	880	1,415	7,259	9	207	3,301	11,220
	HHW Operations Tons Disposed	347	765	136	83	455	47	46	385	530
	Estimated Tons of Curbside Recycling Residuals*	11,302	11,321	972	963	7,629	902	998	7,686	10,803
	Total Disposed Tons Collected Curbside and from Drop Off Center Operations	153,737	162,693	13,812	14,019	108,180	11,834	12,993	101,736	156,353
*Estimated tons of curbside recycling processed by vendors as residual - based on bi-annual sample route audit										
Tons Diverted	Tons of curbside recycling	52,122	51,709	4,369	4,296	35,163	3,775	3,948	31,658	51,197
	RRC Tons Recycled/Reused	1,218	1,323	107	149	771	115	149	1,033	2,200
	RRC Tons of Brush Collected	1,722	563	112	63	347	0	0	8	2,000
	HHW Operations Tons recycled/reused	247	222	17	17	104	38	35	197	470
	Tons of Drop Off Center Collections Recycled/Reused	3,060	1,784	221	188	1,027	153	172	1,154	4,415
	Tons of Curbside Yard Trimmings	48,105	56,481	6,496	4,401	42,366	6,822	4,200	33,595	50,000
	Tons of Curbside Bulk Recycled	127	323	14	41	196	0	13	84	255
	Tons of Curbside Brush Collected	3,323	8,339	762	531	4,871	1	38	2,477	6,872
	Tons of Curbside Textiles Collected	25	42	4	4	27	4	5	26	75
	Tons of Carts Recycled	193	163	0	18	93	17	9	130	200
	Total Diverted Tons Collected Curbside and from Drop Off Center Operations	106,955	118,841	11,867	9,479	83,743	10,771	8,385	69,125	113,014
Tons of Curbside Compost Collected**	38,711	53,455	6,496	4,401	39,340	6,780	4,200	33,526	50,000	
***Tons of Curbside Compost Collected" is included in the "Tons of Yard Trimmings Collected"										
Total Tons Collected Curbside and from Drop Off Center Operations	260,692	281,534	25,679	23,498	191,924	22,605	21,378	170,860	269,367	
Estimated Percent of Curbside Collected Materials Diverted from Landfills by ARR	40.38%	41.96%	45.99%	40.00%	43.43%	47.39%	38.81%	40.14%	41.07%	
Pounds of Trash collected per customer per pickup	25.57	25.52	26.01	25.43	25.67	23.67	25.53	24.64	24.32	
Number of Trash and Recycling Customers	205,670	209,419	209,859	209,753	208,656	212,061	212,303	211,582	211,603	
Pounds of Recycled materials collected per customer per pickup (every other week)	19.61	19.10	19.33	19.01	19.56	16.53	17.27	17.37	18.74	
Pounds of Yard Trimmings collected per customer per week	9.05	10.43	14.37	9.74	11.78	14.94	9.18	9.22	9.15	
Number of Yard Trimmings/Organics Customers	204,506	208,209	208,644	208,538	207,447	210,754	211,053	210,322	210,128	
Total tons of Dead Animals Collected from COA rights-of-way and the animal shelter	34	31	2	3	21	4	5	31	30	

Austin Resource Recovery Curbside Collection and Drop Off Center Operations



Estimated Percent of Curbside Collected Materials Diverted from Landfills by ARR

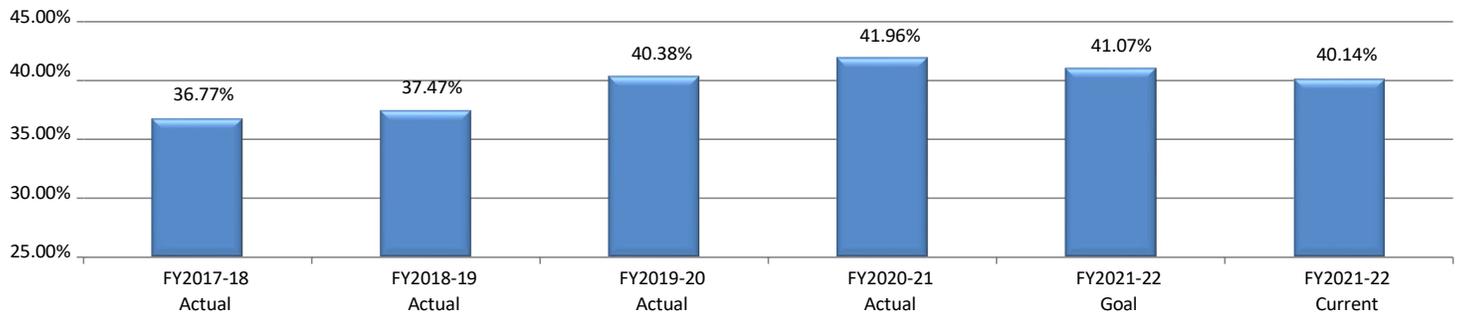


Reporting Status and Diversion Results for All Categories of Waste Generation

Category of Waste Generation	FY2017-18 Actual	FY2018-19 Actual	FY2019-20 Actual	FY2020-21 Actual	FY2021-22 Goal	FY2021-22 Current
Residential Waste Diversion (city serviced accounts)	36.77%	37.47%	40.38%	41.96%	41.07%	40.14%
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.

**Zero Waste Advisory Commission Meeting - May 2022
Single Stream Recycling Statistical Report**

FY22: October thru May

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 Value	Net Amount Due/(Owed)*	\$ per ton value	Cost Per Ton	Total
October 14 2021	TDS	1,008.56	\$95,968	\$91,275	\$4,693	\$4,693	\$4.65	\$23.89	\$24,094
	BRI	1,286.17	\$86,775	\$101,607	(\$14,833)	(\$14,833)	(\$11.53)	\$23.89	\$30,727
	Total	2,294.73	\$182,743	\$192,882	(\$10,139)	(\$10,139)			\$54,821
October 31 2021	TDS	1,002.72	\$24,782	\$50,136	(\$25,354)	(\$25,354)	(\$25.28)	\$23.89	\$23,955
	BRI	1,494.60	\$235,970	\$146,470	\$89,500	\$67,125	\$44.91	\$23.89	\$35,706
	Total	2,497.32	\$260,752	\$196,606	\$64,146	\$41,771			\$59,661
November 2021	TDS	2,549.49	\$58,468	\$127,475	(\$69,007)	(\$69,007)	(\$27.07)	\$23.89	\$60,907
	BRI	2,538.05	\$367,601	\$248,729	\$118,872	\$89,154	\$35.13	\$23.89	\$60,634
	Total	5,087.54	\$426,068	\$376,203	\$49,865	\$20,147			\$121,541
December 2021	TDS	2,058.14	\$42,423	\$102,907	(\$60,484)	(\$60,484)	(\$29.39)	\$23.89	\$49,169
	BRI	3,347.23	\$444,099	\$328,028	\$116,071	\$87,053	\$26.01	\$23.89	\$79,965
	Total	5,405.37	\$486,522	\$430,935	\$55,587	\$26,570			\$129,134
January 2022	TDS	3,044.60	\$61,285	\$152,230	(\$90,945)	(\$90,945)	(\$29.87)	\$23.89	\$72,735
	BRI	1,990.02	\$268,018	\$195,022	\$72,996	\$54,747	\$27.51	\$23.89	\$47,542
	Total	5,034.62	\$329,303	\$347,252	(\$17,949)	(\$36,198)			\$120,277
February 2022	TDS	1,977.64	\$39,238	\$98,882	(\$59,644)	(\$59,644)	(\$30.16)	\$23.89	\$47,246
	BRI	2,440.61	\$344,478	\$239,180	\$105,298	\$78,973	\$32.36	\$23.89	\$58,306
	Total	4,418.25	\$383,716	\$338,062	\$45,654	\$19,329			\$105,552
March 2022	TDS	2,119.61	\$45,596	\$105,981	(\$60,385)	(\$60,385)	(\$28.49)	\$23.89	\$50,637
	BRI	2,863.22	\$440,392	\$280,596	\$159,797	\$119,847	\$41.86	\$23.89	\$68,402
	Total	4,982.83	\$485,988	\$386,576	\$99,412	\$59,462			\$119,040
April 2022	TDS	1,957.15	\$43,902	\$97,858	(\$53,955)	(\$53,955)	(\$27.57)	\$23.89	\$46,756
	BRI	2,719.69	\$430,264	\$266,529	\$163,735	\$122,801	\$45.15	\$23.89	\$64,973
	Total	4,676.84	\$474,166	\$364,387	\$109,780	\$68,846			\$111,730
May 2022	TDS	2,613.00	\$59,726	\$130,650	(\$70,925)	(\$70,925)	(\$27.14)	\$23.89	\$62,425
	BRI	2,333.46	\$332,064	\$228,679	\$103,385	\$77,539	\$33.23	\$23.89	\$55,746
	Total	4,946.46	\$391,790	\$359,329	\$32,461	\$6,614			\$118,171
FY22 Totals		39,343.96	\$3,421,048	\$2,992,232	\$428,815	\$196,402			\$939,927

* Net/Due(Owed) for TDS = (Revenue % X Value of Material) - Processing Cost

* Net/Due(Owed) for Balcones = Net Value of Material = Gross Value of Material - Processing Cost
then Net Value of Material X Revenue %