



To: Zero Waste Advisory Commission
From: Sam Angoori, P.E., Interim Director
Austin Resource Recover Department
Date: April 11, 2018
Subject: **Director’s Monthly Report to the Zero Waste Advisory Commission**

Austin Bergstrom International Airport (ABIA) & Waste Diversion

The Aviation Department has demonstrated a commitment to increasing waste diversion at their facilities. In order to understand the effectiveness of the current waste diversion programs, ABIA conducted two studies:

- In 2016 ABIA sought to understand the waste being generated in the terminal.
- In 2017 the study’s objective was to understand the waste being collected when airlines deplane at ABIA.

Statistics from [ABIA’s 2017 Sustainability Report](#), show that the amount of materials sent to the landfill decreased by 13% while increasing waste diversion rates to 25% from FY15 to FY16. While in 2017 ABIA’s terminal recycling program collected an average of 52 tons of recyclable material per month, with a terminal diversion rate of 26%.

Based on those results, ABIA implemented a food donation program in March of 2017. Now, concessionaires’ unsold food products, like salads and sandwiches, are donated to Keep Austin Fed, resulting in over 10,000 pounds of fresh food being donated last year. ABIA also implemented composting for back-of-house operations in the terminal. While the program continues to grow, concessionaires collected over 20 tons in 2017.

Consistent with the URO, ABIA deploys a 50/50 trash-to-recycling ratio within the terminal. All of the airlines comply with the URO, and both recycling and trash receptacles are at all terminal gates.

ABIA is in the process of rolling out a pilot program later this summer to place Big Belly diversion receptacles in terminal food courts. Plans call for an employee to initially staff the area and manage diversion by educating passengers on where to place their trash, recyclables and compostable materials.



Big Belly Receptacles

This spring, ABIA staff will also complete installation of liquid-collection containers at all security

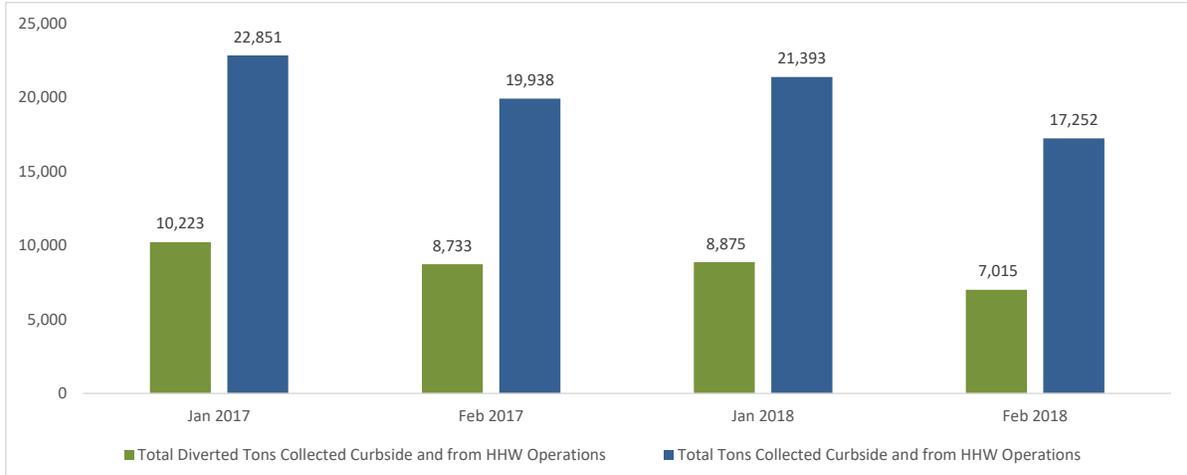
checkpoints. With this initiative, liquids are diverted to the sanitary sewer system instead of being transferred to landfill facilities. As a result, an estimated 75 tons of liquid will be diverted each year.

ABIA continues to work with airlines interested in advancing diversion and litter abatement outside of the airport. For example, one airline will be partnering with the Aviation Department and Keep Austin Beautiful to conduct a clean-up day at Richard Moya Park in southeast Austin later this spring.

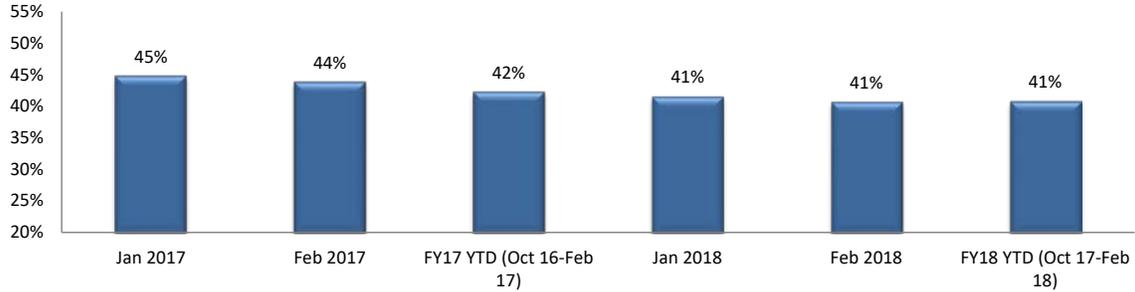
Austin Resource Recovery Curbside Collection and HHW Operations

| Description of Services | LAST FISCAL YEAR | | | | CURRENT FISCAL YEAR | | | | FY 2018 Goal |
|---|------------------|----------------|---------------|---------------|--------------------------|---------------|---------------|--------------------------|----------------|
| | FY 2016 | FY 2017 | Jan 2017 | Feb 2017 | FY17 YTD (Oct 16-Feb 17) | Jan 2018 | Feb 2018 | FY18 YTD (Oct 17-Feb 18) | |
| Tons Disposed | | | | | | | | | |
| Tons of curbside Trash | 129,266 | 131,815 | 11,773 | 10,143 | 54,233 | 11,635 | 9,522 | 53,294 | 133,208 |
| Tons of Curbside Bulk Disposed | 11,869 | 11,179 | 820 | 1,023 | 4,083 | 857 | 685 | 3,693 | 10,900 |
| HHW Operations Tons Disposed | 468 | 471 | 35 | 39 | 173 | 27 | 30 | 168 | 476 |
| Total Disposed Tons Collected Curbside and from HHW Operations | 141,603 | 143,465 | 12,628 | 11,205 | 58,489 | 12,519 | 10,237 | 57,155 | 144,108 |
| Tons Diverted | | | | | | | | | |
| Tons of curbside recycling | 58,879 | 58,705 | 5,498 | 4,547 | 24,629 | 5,521 | 4,308 | 24,537 | 60,000 |
| HHW Operations Tons recycled/reused | 436 | 465 | 34 | 32 | 163 | 27 | 31 | 151 | 498 |
| Tons of Curbside Yard Trimmings | 32,605 | 34,316 | 4,213 | 3,540 | 15,120 | 2,954 | 2,173 | 11,990 | 41,525 |
| Tons of Curbside Bulk Recycled | 276 | 161 | 14 | 12 | 58 | 24 | 12 | 87 | 160 |
| Tons of Curbside Brush Collected | 8,460 | 7,367 | 464 | 603 | 2,792 | 349 | 490 | 2,511 | 8,000 |
| Total Diverted Tons Collected Curbside and from HHW Operations | 100,656 | 101,014 | 10,223 | 8,733 | 42,762 | 8,875 | 7,015 | 39,276 | 110,183 |
| Total Tons Collected Curbside and from HHW Operations | 242,259 | 244,479 | 22,851 | 19,938 | 101,251 | 21,393 | 17,252 | 96,432 | 254,291 |
| Percent of Waste Stream Diverted by Curbside and HHW Operations | 41.55% | 41.32% | 44.74% | 43.80% | 42.23% | 41.48% | 40.66% | 40.73% | 43.33% |
| Pounds of Trash collected per customer per pickup | 25.83 | 26.09 | 28.00 | 24.18 | 25.87 | 27.00 | 22.10 | 24.88 | 25.89 |
| Number of Trash customers | 192,476 | 194,357 | 194,091 | 193,587 | 193,556 | 198,872 | 198,842 | 197,725 | 197,876 |
| Pounds of Recycled materials collected per customer per pickup (every other week) | 23.69 | 23.38 | 26.34 | 21.84 | 23.66 | 25.79 | 20.13 | 23.03 | 23.61 |
| Pounds of Yard Trimmings collected per customer per week | 6.56 | 6.83 | 10.09 | 8.50 | 7.26 | 6.90 | 5.08 | 5.63 | 8.17 |
| Number of Recycling and Yard Trimmings customers | 191,156 | 193,110 | 192,716 | 192,185 | 192,180 | 197,598 | 197,609 | 196,738 | 195,520 |
| Number of PAYT pickups | 52 | 52 | 4.33 | 4.33 | 21.67 | 4.33 | 4.33 | 21.67 | 52 |
| Total tons of Dead Animals Collected from COA rights-of-way and the animal shelter | 39 | 44 | 3 | 4 | 19 | 5 | 2 | 18 | 42 |
| Estimated tons of curbside recycling processed by vendors as residual - based on bi-annual sample route audit | 9,556 | 9,471 | 839 | 693 | 3,812 | 947 | 735 | 4,199 | 9,927 |
| Tons of Curbside Textiles Collected | N/A | 245 | 48 | 26 | 135 | 12 | 10 | 49 | 171 |
| Tons of Curbside Compost Collected | 4,123 | 5,069 | 537 | 490 | 2,235 | 1,162 | 904 | 4,971 | 20,221 |

Austin Resource Recovery Curbside Collection and HHW Operations



Percent of Waste Stream Diverted from Curbside and HHW Operations

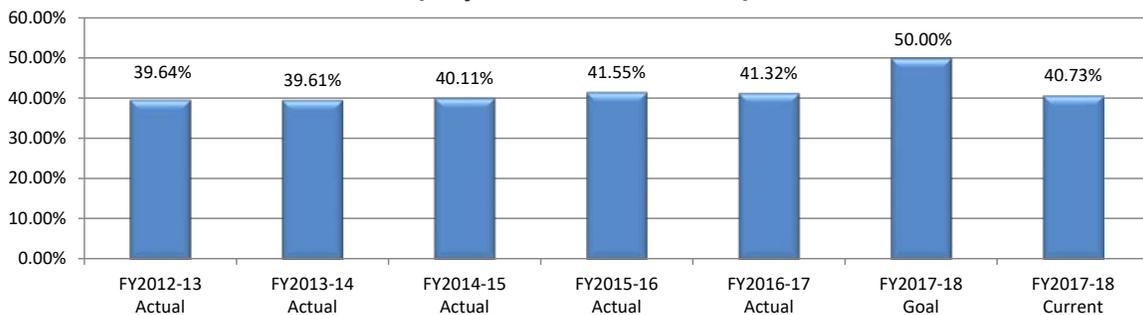


Reporting Status and Diversion Results for All Categories of Waste Generation

| Category of Waste Generation | FY2012-13 | FY2013-14 | FY2014-15 | FY2015-16 | FY2016-17 | FY2017-18 | FY2017-18 |
|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | Actual | Actual | Actual | Actual | Actual | Goal | Current |
| Residential Waste Diversion (city serviced accounts) | 39.64% | 39.61% | 40.11% | 41.55% | 41.32% | 50.00% | 40.73% |
| 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.

Residential Waste Diversion (city serviced accounts)





ARR Solicitations Update
ZWAC Meeting Date: April 11, 2018

ARR Solicitations under Development (in alphabetical order)

1. **Emergency Debris Removal Services:** RFP – Contractor to provide emergency debris removal services in accordance with the Federal Emergency Management Administration (FEMA) policies and guidelines. This is a new Contract.
2. **Emergency 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. This is a new Contract.
3. **Reverse Pitch:** RFP – Contractor to plan, coordinate, and implement the City's annual Reverse Pitch Competition, a social innovation program designed to help turn valuable discarded materials generated at local businesses, non-profits, and institutions into the foundation of new businesses. This a new Contract.
4. **Rigid Plastics:** RFP – Contractor to pick up, transport, and recycle rigid plastics dropped off by citizens at ARR's Resource Recovery Drop Off Center (RRDOC). Current Contract Documents:
https://www.ci.austin.tx.us/financeonline/contract_catalog/OCCViewMA.cfm?cd=MA&dd=1500&id=NA15000067
5. **Truck Cameras:** IFB – Contractors to deliver and install exterior video recording systems that can fulfill the current and future needs of the City's fleet of solid waste collection vehicles. This is a new Contract.

No Requests for Information (RFI) are scheduled to be issued in the next 30 days:

Definitions:

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

Invitation for Bid (IFB): Formal bidding documents inviting suppliers to submit pricing for goods or services.

Request for Quotation (RFQ): Informal request to suppliers to provide quotes on specific goods or services.

Zero Waste Advisory Commission - April 4th, 2018
Single Stream Recycling Statistical Report
FY18: October 2017 - February 2018
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 2017 | TDS | 2,189.11 | \$115,337 | \$198,114 | (\$82,777) | (\$37.81) | \$21.99 | \$48,139 |
| | BRI | 2,619.00 | \$68,017 | \$194,521 | (\$126,504) | (\$48.30) | \$21.99 | \$57,592 |
| | <i>Total</i> | 4,808.11 | \$183,354 | \$392,635 | (\$209,281) | | | \$105,730 |
| November 2017 | TDS | 1,836.05 | \$83,079 | \$166,163 | (\$83,084) | (\$45.25) | \$21.99 | \$40,375 |
| | BRI | 3,135.81 | \$75,579 | \$224,469 | (\$148,890) | (\$47.48) | \$21.99 | \$68,956 |
| | <i>Total</i> | 4,971.86 | \$158,658 | \$390,632 | (\$231,974) | | | \$109,331 |
| December 2017 | TDS | 1,905.47 | \$86,947 | \$172,445 | (\$85,498) | (\$44.87) | \$21.99 | \$41,901 |
| | BRI | 3,076.03 | \$77,502 | \$221,181 | (\$143,679) | (\$46.71) | \$21.99 | \$67,642 |
| | <i>Total</i> | 4,981.50 | \$164,449 | \$393,626 | (\$229,177) | | | \$109,543 |
| January 2018 | TDS | 2,469.47 | \$114,108 | \$223,487 | (\$109,379) | (\$44.29) | \$21.99 | \$54,304 |
| | BRI | 3,051.51 | \$77,835 | \$224,382 | (\$146,547) | (\$48.02) | \$21.99 | \$67,103 |
| | <i>Total</i> | 5,520.98 | \$191,943 | \$447,869 | (\$255,926) | | | \$121,406 |
| February 2018 | TDS | 1,731.32 | \$75,379 | \$156,684 | (\$81,305) | (\$46.96) | \$21.99 | \$38,072 |
| | BRI | 2,573.31 | \$62,284 | \$191,825 | (\$129,541) | (\$50.34) | \$21.99 | \$56,587 |
| | <i>Total</i> | 4,304.63 | \$137,663 | \$348,509 | (\$210,846) | | | \$94,659 |
| FY18 Totals | | 24,587.08 | \$836,067 | \$1,973,271 | (\$1,137,204) | | | \$540,670 |