



To: Zero Waste Advisory Commission
From: Ken Snipes
Director
Austin Resource Recovery
Date: October 14th, 2020
Subject: Director's Monthly Report to the Zero Waste Advisory Commission

Clean Creeks Program

Austin Resource Recovery and the Watershed Protection Department have begun working together to develop the newly established Clean Creeks Program. ARR will be hiring eight dedicated full-time employees that will focus on general litter abatement in creeks. Watershed Protection will provide ARR with priority cleaning areas based on customer complaints and known high-litter areas around drainage culverts. Watershed's contractor will continue to clean encampments located in creeks.

Homeless Encampment Cleanings FY 21

To address the timely clean-ups of encampments, Austin Resource Recovery is creating a dedicated crew to provide daily collection at the 28 Violet Bag sites. ARR is also planning an expansion of the Violet Bag program and plans to closely mirror the number of sites that Public Works maintains each month (approximately 60 sites). Public Works will continue to provide monthly cleanings to approximately 60 encampment sites. Also, ARR and Public Work are partnering to develop a self-cleaning pilot at two encampment sites that will encourage residents to clean the area and place unwanted items in a dumpster. Starting in October, the three-month pilot will be conducted at the Highway 71/Packsaddle Pass and Highway 183/Cameron Road sites. The pilot will be evaluated to determine overall success and the information reported to City Council.

Current Sites:

| | |
|--|---|
| 183/Anderson Square | Terrazas Branch Library-receiving twice per day service |
| 183/Anderson Mill | |
| 183/Cameron (2 kiosks) | Pleasant Valley/Riverside Drive (located in the median) |
| 183/Payton Gin | |
| 183/Burnet (2 kiosks) | Menchaca/Slaughter Lane |
| 183/Fairfield | Highway 71/Packsaddle Pass |
| 183/Georgian | Highway 71/Menchaca |
| 183/McNeil-Spicewood Springs | Highway 71/I-35 |
| 183/North Lamar | Highway 71/Burleson |
| 183/Oak Knoll | Highway 71/Montopolis |
| 183/Ohlen | Highway 71/South Lamar |
| 183/Pond Springs | I-35/Airport Boulevard |
| Pleasant Valley/Cesar Chavez (near the IBC Bank) | I-35/6 th |
| 7 th Street/Gonzalez | I-35/7 th |
| | I-35/8 th |
| | I-35/Cesar Chavez |

Recycle and ReUse Drop-Off Center

As the positive cases are declining and Austin-Travis County has moved to Stage 3 of COVID-19 risk-based guidelines, ARR has re-opened the Recycle and ReUse Drop-Off Center for appointment only services.

RRDOC staff continued to perform home pick-up services of household hazardous waste for the customers already scheduled through September. The appointment drop-offs at the RRDOC began Tuesday, September 8th, and continued Monday through Friday throughout the month. The RRDOC appointment program expanded to include Saturdays starting October 3rd, 2020. The current 6 days per week schedule will continue until further changes in the COVID-19 guidelines.

Customers will be required to wear a mask and will be asked to keep social distancing in mind while dropping off their items.

Resumption of Brush and Bulk Collections

Beginning the week of October 12th, brush collection routes will resume, and bulk collection will resume the week of October 26th. Customers will receive postcards in the mail informing them of their scheduled collection date. Back in March, Austin Resource Recovery decided to suspend bulk and brush collections to focus resources on essential weekly collection services.

Resumption of Extra Trash Fees

"Extra" trash fees was reinstated on September 7th, 2020. ARR waived fees effective March 27th through September 7th, 2020, in response to the COA Stay at Home Order and COVID-19. An estimate of Revenue foregone during this time was over \$64,000(based on last year's numbers).

Fix-It At Home Series

To continue to provide repair education while in-person Fix-It Clinics are suspended, the Circular Economy Program hosted Fix-It At Home!, a free on-line series of interactive workshops teaching basic repair skills taught by paid local instructors this summer. We hosted 20 classes on topics such as sewing repairs by hand, sewing machine basics, bicycle maintenance and guitar adjustments, including 2 Spanish-language classes. Nearly 300 people attended the series, and over 800 registered and received a link to view the recording. The series was well-received, with 90% of post-event survey respondents rating their overall satisfaction as an 8, 9 or 10. (on scale of 1-10). The program will make videos from the workshops available on-line for ongoing repair education.



ARR Solicitations Update
As of September 23, 2020
ZWAC Meeting October 14, 2020

Upcoming Solicitations Under Development (in alphabetical order):

No Updates

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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. 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](#).
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Definitions:

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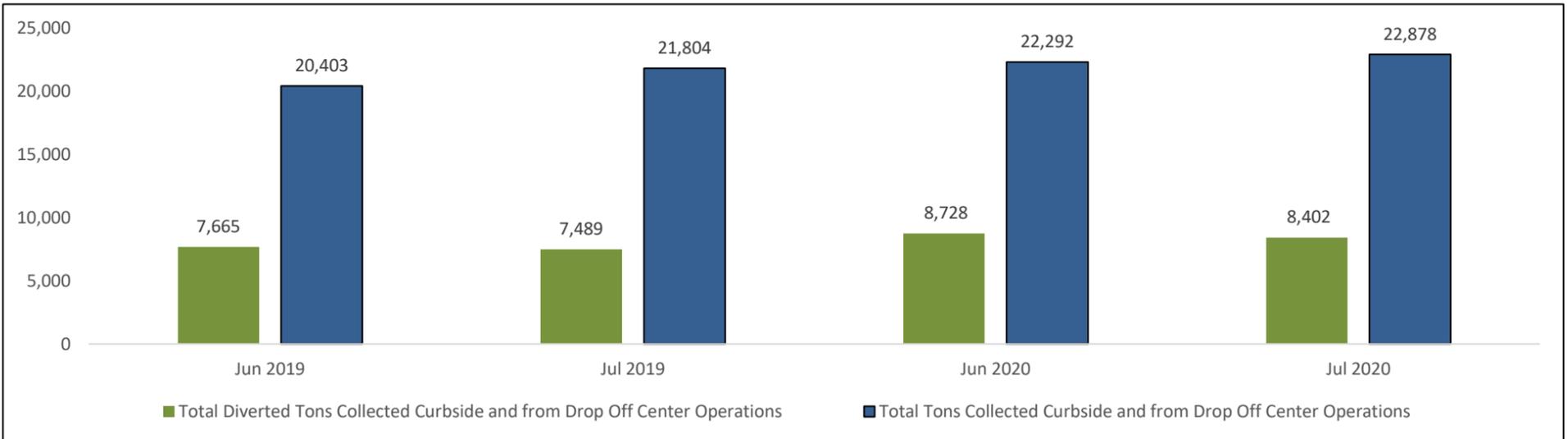
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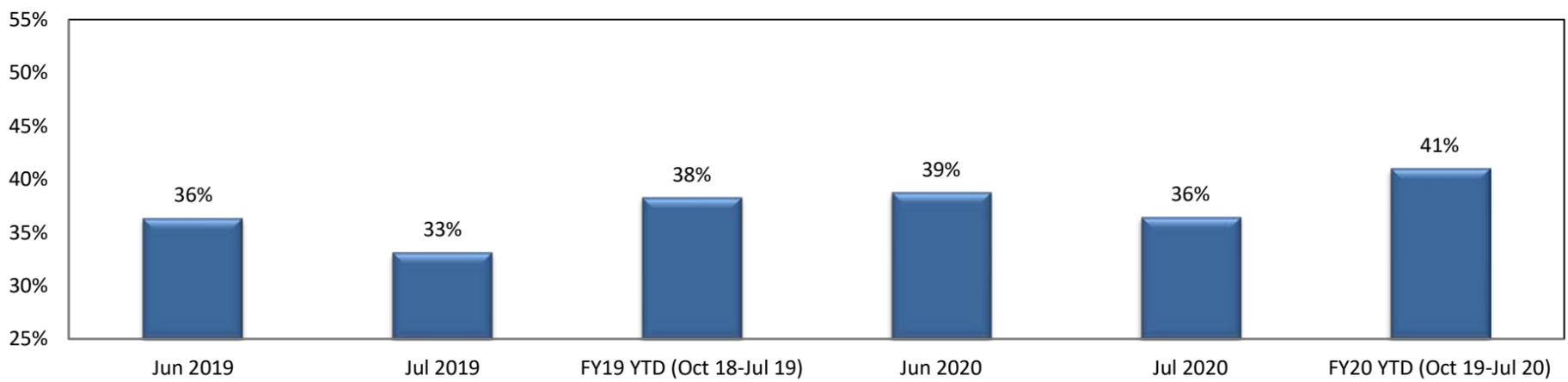
Austin Resource Recovery Curbside Collection and Drop Off Center Operations

| Description of Services | LAST FISCAL YEAR | | | | | CURRENT FISCAL YEAR | | | FY 2020 Goal | |
|---|---|----------------|----------------|---------------|-----------------------------|---------------------|---------------|-----------------------------|----------------|----------------|
| | FY 2018 | FY 2019 | Jun 2019 | Jul 2019 | FY19 YTD (Oct 18-Jul 19) | Jun 2020 | Jul 2020 | FY20 YTD (Oct 19-Jul 20) | | |
| Tons Disposed | Tons of curbside Trash | 128,829 | 130,307 | 10,490 | 11,623 | 109,980 | 12,426 | 12,680 | 113,489 | 132,546 |
| | Tons of Curbside Bulk Disposed | 10,231 | 11,040 | 1,329 | 1,541 | 8,880 | 71 | 758 | 5,306 | 10,248 |
| | HHW Operations Tons Disposed | 528 | 517 | 42 | 46 | 424 | 36 | 22 | 287 | 560 |
| | Estimated Tons of Curbside Recycling Residuals* | 10,642 | 11,761 | 877 | 1,105 | 9,744 | 1,031 | 1,016 | 9,397 | 10,670 |
| | Total Disposed Tons Collected Curbside and from Drop Off Center Operations | 150,230 | 153,625 | 12,739 | 14,315 | 129,028 | 13,564 | 14,476 | 128,479 | 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 | 3,789 | 3,955 | 40,448 | 4,773 | 4,671 | 43,335 | 50,250 |
| | RRC Tons Recycled/Reused | 1,986 | 2,259 | 182 | 231 | 1,894 | 59 | 69 | 1,203 | 2,600 |
| | RRC Tons of Brush Collected | 1,505 | 2,595 | 218 | 181 | 2,218 | 93 | 41 | 1,717 | 2,500 |
| | HHW Operations Tons recycled/reused | 469 | 477 | 43 | 41 | 398 | 5 | 15 | 216 | 560 |
| | Tons of Drop Off Center Collections Recycled/Reused | 3,759 | 5,073 | 411 | 404 | 4,283 | 157 | 101 | 3,010 | 5,450 |
| | Tons of Curbside Yard Trimmings | 32,244 | 37,265 | 2,711 | 2,406 | 33,774 | 3,747 | 3,191 | 42,342 | 37,500 |
| | Tons of Curbside Bulk Recycled | 201 | 257 | 32 | 49 | 227 | 0 | 25 | 125 | 210 |
| | Tons of Curbside Brush Collected | 6,292 | 6,447 | 717 | 660 | 5,187 | 33 | 386 | 3,293 | 7,373 |
| | Tons of Curbside Textiles Collected | 150 | 77 | 5 | 0 | 77 | 0 | 11 | 11 | 157 |
| | Tons of Carts Recycled | 154 | 166 | 0 | 16 | 132 | 18 | 17 | 167 | 175 |
| | Total Diverted Tons Collected Curbside and from Drop Off Center Operations | 90,805 | 96,813 | 7,665 | 7,489 | 84,128 | 8,728 | 8,402 | 92,284 | 101,115 |
| Tons of Curbside Compost Collected** | 14,414 | 22,040 | 1,670 | 1,520 | 19,567 | 3,101 | 2,673 | 33,835 | 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 | 20,403 | 21,804 | 213,156 | 22,292 | 22,878 | 220,763 | 255,139 | |
| Estimated Percent of Curbside Collected Materials Diverted from Landfills by ARR | 36.77% | 37.47% | 36.36% | 33.18% | 38.30% | 38.78% | 36.48% | 41.05% | 38.05% | |
| Pounds of Trash collected per customer per pickup | 24.84 | 24.78 | 23.85 | 26.31 | 25.13 | 27.75 | 28.21 | 25.52 | 24.92 | |
| Number of Trash and Recycling Customers | 199,448 | 202,292 | 203,017 | 203,881 | 201,956 | 206,680 | 207,473 | 205,281 | 204,549 | |
| Pounds of Recycled materials collected per customer per pickup (every other week) | 18.62 | 18.17 | 17.33 | 18.00 | 18.59 | 21.44 | 20.90 | 19.60 | 18.99 | |
| Pounds of Yard Trimmings collected per customer per week | 6.25 | 7.12 | 6.20 | 5.48 | 7.76 | 8.41 | 7.14 | 9.57 | 7.09 | |
| Number of Yard Trimmings/Organics Customers | 198,325 | 201,174 | 201,861 | 202,773 | 200,850 | 205,527 | 206,329 | 204,127 | 203,508 | |
| Total tons of Dead Animals Collected from COA rights-of-way and the animal shelter | 36 | 30 | 3 | 2 | 25 | 4 | 4 | 30 | 32 | |

Austin Resource Recovery Curbside Collection and Drop Off Center Operations



Estimated Percent of Curbside Collected Materials Diverted from Landfills by ARR

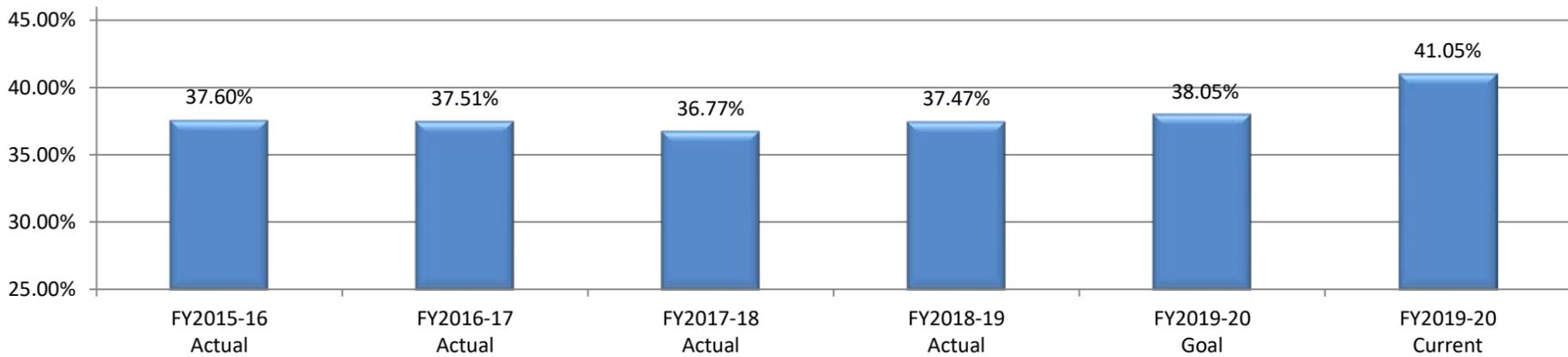


Reporting Status and Diversion Results for All Categories of Waste Generation

| 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% | 41.05% |
| 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 - October 14, 2020
Single Stream Recycling Statistical Report
FY20: October 2019-August 2020

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 |
| | Total | 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 |
| | Total | 4,570.12 | \$84,856 | \$364,884 | (\$280,028) | | | \$104,793 |
| December 2019 | TDS | 2,346.49 | \$61,255 | \$212,357 | (\$151,103) | (\$64.40) | \$22.93 | \$53,805 |
| | BRI | 2,808.82 | \$43,110 | \$205,720 | (\$162,610) | (\$57.89) | \$22.93 | \$64,406 |
| | Total | 5,155.31 | \$104,365 | \$418,078 | (\$313,713) | | | \$118,211 |
| January 2020 | TDS | 1,994.14 | \$54,872 | \$180,470 | (\$125,597) | (\$62.98) | \$22.93 | \$45,726 |
| | BRI | 3,584.11 | \$59,448 | \$249,126 | (\$189,678) | (\$52.92) | \$22.93 | \$82,184 |
| | Total | 5,578.25 | \$114,321 | \$429,596 | (\$315,275) | | | \$127,909 |
| February 2020 | TDS | 1,761.00 | \$44,898 | \$159,371 | (\$114,473) | (\$65.00) | \$22.93 | \$40,380 |
| | BRI | 2,566.90 | \$43,932 | \$191,447 | (\$147,515) | (\$57.47) | \$22.93 | \$58,859 |
| | Total | 4,327.90 | \$88,830 | \$350,818 | (\$261,988) | | | \$99,239 |
| March 2020 | TDS | 2,297.58 | \$55,228 | \$207,931 | (\$152,703) | (\$66.46) | \$22.93 | \$52,684 |
| | BRI | 2,811.25 | \$46,526 | \$205,863 | (\$159,337) | (\$56.68) | \$22.93 | \$64,462 |
| | Total | 5,108.83 | \$101,754 | \$413,794 | (\$312,040) | | | \$117,145 |
| April 2020 | TDS | 2,438.65 | \$67,181 | \$220,698 | (\$153,517) | (\$62.95) | \$22.93 | \$55,918 |
| | BRI | 3,432.02 | \$61,906 | \$240,761 | (\$178,854) | (\$52.11) | \$22.93 | \$78,696 |
| | Total | 5,870.67 | \$129,088 | \$461,459 | (\$332,371) | | | \$134,614 |
| May 2020 | TDS | 2,250.47 | \$77,502 | \$203,668 | (\$126,166) | (\$56.06) | \$22.93 | \$51,603 |
| | BRI | 3,457.47 | \$80,108 | \$242,161 | (\$162,053) | (\$46.87) | \$22.93 | \$79,280 |
| | Total | 5,707.94 | \$157,610 | \$445,828 | (\$288,219) | | | \$130,883 |
| June 2020 | TDS | 2,723.58 | \$84,324 | \$246,484 | (\$162,160) | (\$59.54) | \$22.87 | \$62,288 |
| | BRI | 3,080.17 | \$62,228 | \$221,409 | (\$159,182) | (\$51.68) | \$22.87 | \$70,443 |
| | Total | 5,803.75 | \$146,551 | \$467,893 | (\$321,342) | | | \$132,732 |
| July 2020 | TDS | 2,031.04 | \$58,786 | \$183,809 | (\$125,023) | (\$61.56) | \$22.87 | \$46,450 |
| | BRI | 3,655.56 | \$66,359 | \$253,056 | (\$186,697) | (\$51.07) | \$22.87 | \$83,603 |
| | Total | 5,686.60 | \$125,145 | \$436,865 | (\$311,720) | | | \$130,053 |
| August 2020 | TDS | 2,258.41 | \$70,507 | \$204,386 | (\$133,879) | (\$59.28) | \$22.87 | \$51,650 |
| | BRI | 2,897.31 | \$58,664 | \$210,941 | (\$152,278) | (\$52.56) | \$22.87 | \$66,261 |
| | Total | 5,155.72 | \$129,171 | \$415,328 | (\$286,157) | | | \$117,911 |
| | FY20 Totals | 57,887.85 | \$1,266,351 | \$4,596,095 | (\$3,329,743) | | | \$1,326,370 |



To: Zero Waste Advisory Commission
From: Ken Snipes
Director
Austin Resource Recovery
Date: September 9th, 2020 **(Canceled)**
Subject: Director's Monthly Report to the Zero Waste Advisory Commission

Austin Resource Recovery FY 2020-21 Approved Budget Highlights

The Department's approved operating budget increases by approximately 1.2% or \$1.3M in the upcoming fiscal year. This amount includes \$1.5M for new positions: ten Operators, one Inventory Control Specialist, and the addition of eight positions to form a Clean Creeks Program. Major Citywide cost drivers add over \$1.1M* to the budget, while major department-wide cost drivers are reduced by almost \$1.2M. ARR's approved budget includes funding for increased temporary employees, additional office space, and increased Fleet fuel and maintenance expenses, along with other smaller increases. Major reductions to the ARR budget include a significant decrease in debt service payments due to repaid debt, a decrease in capital appropriations due to one-time Capital Fund transfers within the Clean Community Fee budget amendment, and a significant reduction in funding for the Department's Master Plan as it nears completion.

* Dollar figures may not align as only major changes (greater than \$100k) are summarized.

FY 2020-21 Approved Operating Budget

| | <u>FY 2019 Budget</u> | <u>FY 2020 Amended</u> | <u>FY 2021 Approved</u> |
|-------------------------------|-----------------------|------------------------|-------------------------|
| Revenue | \$93,877,367 | \$97,121,281 | \$103,880,851 |
| Requirements | \$97,093,137 | \$105,491,746 | \$106,810,355 |
| Ending Balance | \$9,439,160 | \$9,439,160 | \$9,286,579 |
| FTEs | 464.00 | 482.00 | 501 |
| Capital Appropriations | \$10,110,280 | \$12,326,500 | \$11,710,005 |

Highlights of Approved Budget

Citywide Cost Drivers

| | <u>Requirements</u> | <u>FTEs</u> |
|--|---------------------|-------------|
| ❑ Additional funding for full-time employee wages and benefits | \$967,318 | |
| ❑ Supplemental pension contribution | \$260,695 | |
| ❑ Citywide Support Services transfers | (\$103,680) | |
| | \$811,032 | |

Departmentwide Cost Drivers

| | | |
|--|---------------|------|
| ❑ Administrative office space | | |
| ❑ New full-time employees: ten operators to support curbside compost expansion, trash, and recycling, and one inventory control specialist for carts | \$776,642 | 11.0 |
| ❑ Clean Creeks Program | \$670,000 | 8.0 |
| ❑ Temporary employees across the department | \$348,383 | |
| ❑ Fleet maintenance and fuel expense | \$179,707 | |
| ❑ Vehicle advertising – wraps | \$140,000 | |
| ❑ Austin Material Marketplace: ARR contribution | (\$100,500) | |
| ❑ Truck Wash and Lubrication Agreement cancelled | (\$210,000) | |
| ❑ Reduction to cart purchases | (\$304,815) | |
| ❑ Reduction to Business Outreach: online reporting database and advertising | (\$314,312) | |
| ❑ Master Plan revision | (\$350,000) | |
| ❑ Transfer to Capital Fund | (\$616,495) | |
| ❑ GO Debt Service | (\$1,324,047) | |

Major Rate Changes Requested

| Service Description | Amended FY 2019-20 | Approved FY 2020-21 | Change |
|----------------------------------|-----------------------|------------------------|--------|
| Curbside Collection | | | |
| Base Customer Charge Residential | \$14.70 per month | \$17.30 per month | \$2.60 |
| Base Customer Charge Commercial | \$14.70 per month | \$17.30 per month | \$2.60 |
| Trash Cart Charges | | | |
| Each 96 Gallon Cart Residential | \$28.80 per month | \$30.70 per month | \$1.90 |
| Each 96 Gallon Cart Commercial | \$28.80 per month | \$30.70 per month | \$1.90 |
| Damaged Cart Fee | - | \$45 | New |

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2020 Service Day Change

Austin Resource Recovery has initiated a curbside collection day change for 9,413 customers (4.5%) beginning the week of September 21. This modification aims to rebalance routes and maximize route efficiencies by making fewer trips to the landfill and processing facilities, reducing wear and tear on collections vehicles, shortening excessively long workdays for operations staff and ultimately providing better customer service. Customers affected by the change have already been notified with a letter and email, but the department is also notifying customers via a reminder postcard, hand-delivered cart tags, a press release, and with alerts to Austin Recycles App and MySchedule subscribers. A memo to Mayor and Council was sent in August



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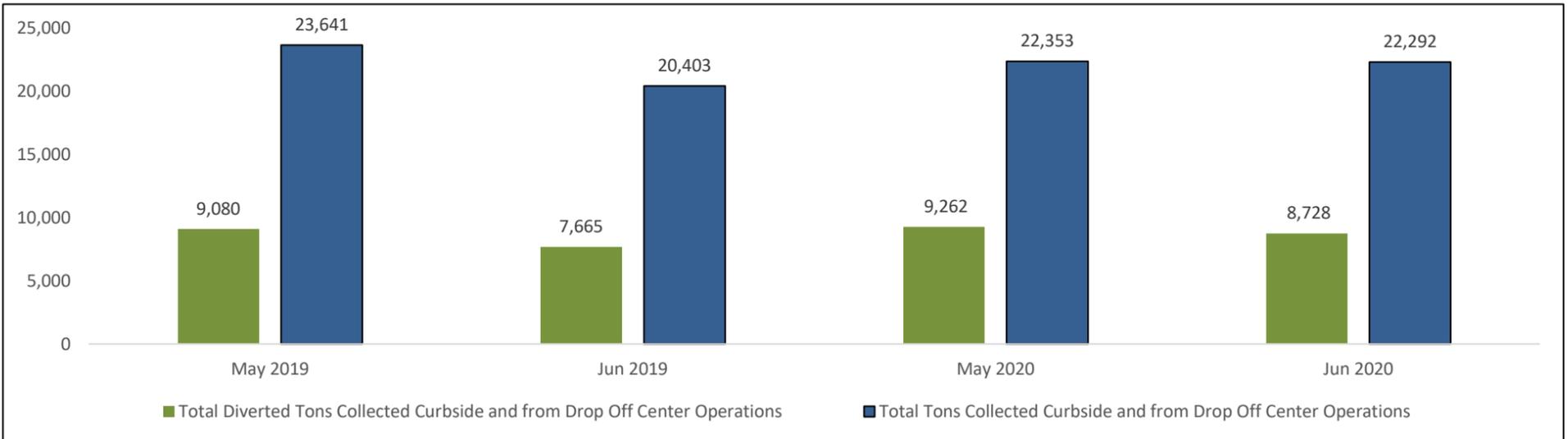
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RFP (Request for Proposals): Formal request for a supplier to provide a solution and cost estimate to a complex need.

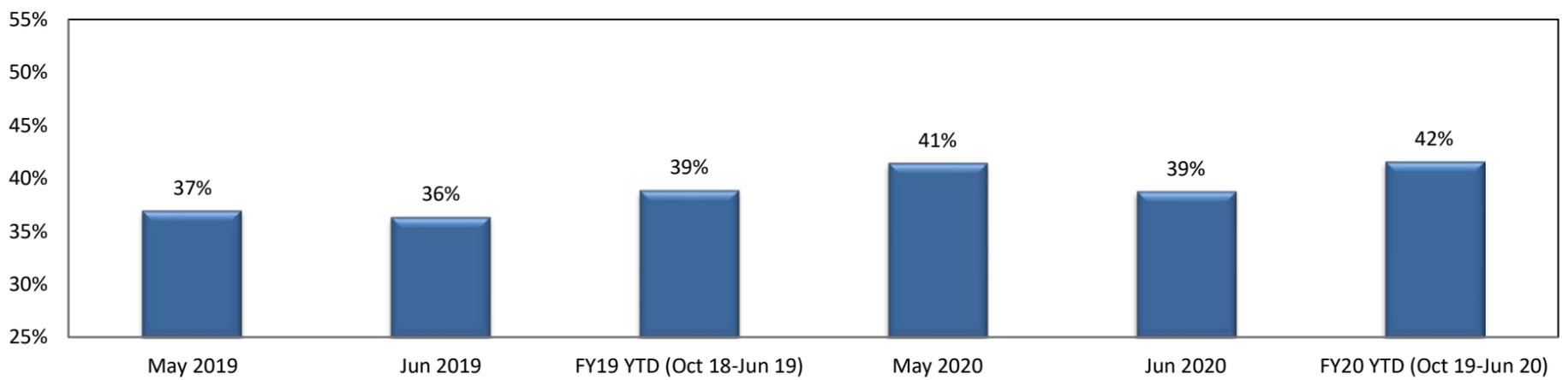
Austin Resource Recovery Curbside Collection and Drop Off Center Operations

| Description of Services | | LAST FISCAL YEAR | | | | CURRENT FISCAL YEAR | | | | |
|---|---|------------------|----------------|---------------|---------------|-----------------------------|---------------|---------------|-----------------------------|-----------------|
| | | FY 2018 | FY 2019 | May 2019 | Jun 2019 | FY19 YTD (Oct 18-Jun 19) | May 2020 | Jun 2020 | FY20 YTD (Oct 19-Jun 20) | FY 2020 Goal |
| Tons Disposed | Tons of curbside Trash | 128,829 | 130,307 | 11,970 | 10,490 | 98,357 | 12,029 | 12,426 | 100,809 | 132,546 |
| | Tons of Curbside Bulk Disposed | 10,231 | 11,040 | 1,515 | 1,329 | 7,339 | 44 | 71 | 4,548 | 10,248 |
| | HHW Operations Tons Disposed | 528 | 517 | 63 | 42 | 378 | 0 | 36 | 265 | 560 |
| | Estimated Tons of Curbside Recycling Residuals* | 10,642 | 11,761 | 1,013 | 877 | 8,639 | 1,018 | 1,031 | 8,381 | 10,670 |
| | Total Disposed Tons Collected Curbside and from Drop Off Center Operations | 150,230 | 153,625 | 14,561 | 12,739 | 114,713 | 13,091 | 13,564 | 114,003 | 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 | 4,330 | 3,789 | 36,494 | 4,690 | 4,773 | 38,664 | 50,250 |
| | RRC Tons Recycled/Reused | 1,986 | 2,259 | 201 | 182 | 1,663 | 0 | 59 | 1,133 | 2,600 |
| | RRC Tons of Brush Collected | 1,505 | 2,595 | 350 | 218 | 2,037 | 0 | 93 | 1,676 | 2,500 |
| | HHW Operations Tons recycled/reused | 469 | 477 | 46 | 43 | 357 | 0 | 5 | 201 | 560 |
| | Tons of Drop Off Center Collections Recycled/Reused | 3,759 | 5,073 | 571 | 411 | 3,879 | 0 | 157 | 2,910 | 5,450 |
| | Tons of Curbside Yard Trimmings | 32,244 | 37,265 | 3,543 | 2,711 | 31,368 | 4,529 | 3,747 | 39,151 | 37,500 |
| | Tons of Curbside Bulk Recycled | 201 | 257 | 26 | 32 | 178 | 0 | 0 | 100 | 210 |
| | Tons of Curbside Brush Collected | 6,292 | 6,447 | 583 | 717 | 4,527 | 43 | 33 | 2,907 | 7,373 |
| | Tons of Curbside Textiles Collected | 150 | 77 | 8 | 5 | 77 | 0 | 0 | 0 | 157 |
| | Tons of Carts Recycled | 154 | 166 | 18 | 0 | 116 | 0 | 18 | 150 | 175 |
| | Total Diverted Tons Collected Curbside and from Drop Off Center Operations | 90,805 | 96,813 | 9,080 | 7,665 | 76,639 | 9,262 | 8,728 | 83,882 | 101,115 |
| Tons of Curbside Compost Collected** | 14,414 | 22,040 | 2,093 | 1,670 | 18,047 | 3,696 | 3,101 | 31,162 | 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 | 23,641 | 20,403 | 191,352 | 22,353 | 22,292 | 197,885 | 255,139 |
| Estimated Percent of Curbside Collected Materials Diverted from Landfills by ARR | | 36.77% | 37.47% | 36.98% | 36.36% | 38.89% | 41.44% | 38.78% | 41.59% | 38.05% |
| Pounds of Trash collected per customer per pickup | | 24.84 | 24.78 | 27.25 | 23.85 | 25.00 | 26.98 | 27.75 | 25.21 | 24.92 |
| Number of Trash and Recycling Customers | | 199,448 | 202,292 | 202,716 | 203,017 | 201,742 | 205,804 | 206,680 | 205,038 | 204,549 |
| Pounds of Recycled materials collected per customer per pickup (every other week) | | 18.62 | 18.17 | 19.83 | 17.33 | 18.66 | 21.16 | 21.44 | 19.45 | 18.99 |
| Pounds of Yard Trimmings collected per customer per week | | 6.25 | 7.12 | 8.11 | 6.20 | 8.02 | 10.21 | 8.41 | 9.85 | 7.09 |
| Number of Yard Trimmings/Organics Customers | | 198,325 | 201,174 | 201,600 | 201,861 | 200,636 | 204,640 | 205,527 | 203,882 | 203,508 |
| Total tons of Dead Animals Collected from COA rights-of-way and the animal shelter | | 36 | 30 | 2 | 3 | 23 | 3 | 4 | 26 | 32 |

Austin Resource Recovery Curbside Collection and Drop Off Center Operations



Estimated Percent of Curbside Collected Materials Diverted from Landfills by ARR

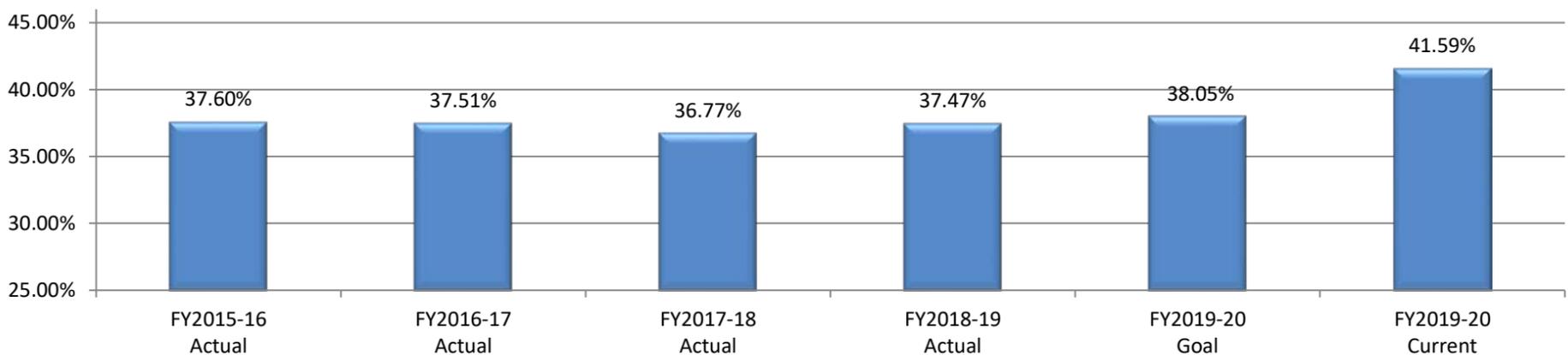


Reporting Status and Diversion Results for All Categories of Waste Generation

| 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% | 41.59% |
| 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 - September 9, 2020
Single Stream Recycling Statistical Report

FY20: October 2019-July 2020

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 |
| | Total | 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 |
| | Total | 4,570.12 | \$84,856 | \$364,884 | (\$280,028) | | | \$104,793 |
| December 2019 | TDS | 2,346.49 | \$61,255 | \$212,357 | (\$151,103) | (\$64.40) | \$22.93 | \$53,805 |
| | BRI | 2,808.82 | \$43,110 | \$205,720 | (\$162,610) | (\$57.89) | \$22.93 | \$64,406 |
| | Total | 5,155.31 | \$104,365 | \$418,078 | (\$313,713) | | | \$118,211 |
| January 2020 | TDS | 1,994.14 | \$54,872 | \$180,470 | (\$125,597) | (\$62.98) | \$22.93 | \$45,726 |
| | BRI | 3,584.11 | \$59,448 | \$249,126 | (\$189,678) | (\$52.92) | \$22.93 | \$82,184 |
| | Total | 5,578.25 | \$114,321 | \$429,596 | (\$315,275) | | | \$127,909 |
| February 2020 | TDS | 1,761.00 | \$44,898 | \$159,371 | (\$114,473) | (\$65.00) | \$22.93 | \$40,380 |
| | BRI | 2,566.90 | \$43,932 | \$191,447 | (\$147,515) | (\$57.47) | \$22.93 | \$58,859 |
| | Total | 4,327.90 | \$88,830 | \$350,818 | (\$261,988) | | | \$99,239 |
| March 2020 | TDS | 2,297.58 | \$55,228 | \$207,931 | (\$152,703) | (\$66.46) | \$22.93 | \$52,684 |
| | BRI | 2,811.25 | \$46,526 | \$205,863 | (\$159,337) | (\$56.68) | \$22.93 | \$64,462 |
| | Total | 5,108.83 | \$101,754 | \$413,794 | (\$312,040) | | | \$117,145 |
| April 2020 | TDS | 2,438.65 | \$67,181 | \$220,698 | (\$153,517) | (\$62.95) | \$22.93 | \$55,918 |
| | BRI | 3,432.02 | \$61,906 | \$240,761 | (\$178,854) | (\$52.11) | \$22.93 | \$78,696 |
| | Total | 5,870.67 | \$129,088 | \$461,459 | (\$332,371) | | | \$134,614 |
| May 2020 | TDS | 2,250.47 | \$77,502 | \$203,668 | (\$126,166) | (\$56.06) | \$22.93 | \$51,603 |
| | BRI | 3,457.47 | \$80,108 | \$242,161 | (\$162,053) | (\$46.87) | \$22.93 | \$79,280 |
| | Total | 5,707.94 | \$157,610 | \$445,828 | (\$288,219) | | | \$130,883 |
| June 2020 | TDS | 2,723.58 | \$84,324 | \$246,484 | (\$162,160) | (\$59.54) | \$22.87 | \$62,288 |
| | BRI | 3,080.17 | \$62,228 | \$221,409 | (\$159,182) | (\$51.68) | \$22.87 | \$70,443 |
| | Total | 5,803.75 | \$146,551 | \$467,893 | (\$321,342) | | | \$132,732 |
| July 2020 | TDS | 2,031.04 | \$58,786 | \$183,809 | (\$125,023) | (\$61.56) | \$22.87 | \$46,450 |
| | BRI | 3,655.56 | \$66,359 | \$253,056 | (\$186,697) | (\$51.07) | \$22.87 | \$83,603 |
| | Total | 5,686.60 | \$125,145 | \$436,865 | (\$311,720) | | | \$130,053 |
| | FY20 Totals | 52,732.13 | \$1,137,181 | \$4,180,767 | (\$3,043,587) | | | \$1,208,458 |