

Submitted To: City of Fort Saskatchewan

2024 Residential Waste Audit

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Executive Summary

CORE Environmental Consulting Inc. (CORE) was retained by the City of Fort Saskatchewan (the City) to conduct a residential waste audit and compare the results with previous audits, as well as to review the materials present in the garbage waste stream in relation to the Alberta Extended Producer Responsibility (EPR) program.

Review of the 2024 data in comparison to the data collected during the 2018 residential waste audit shows that the overall composition of materials in the waste streams has remained steady. The percentage of the overall material going to the organics waste stream seems to have increased since 2018, while the overall percentage of material going to landfill has seen an overall reduction, due to the increased diversion to the organics stream, as noted above.

Reviewing the data from the audit also identified that 16.5% of the materials that are currently sent to the landfill in the garbage waste stream can be included with the full implementation of the Extended Producer Responsibility (EPR) program. Additionally, 4.2% of the waste in the organics stream and 86.6% of the waste in the recycling stream can be included in the full implementation of EPR. The EPR Program implementation is currently scheduled for April 1, 2025, for registered communities, and October 1, 2026, for all other communities.



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1. Background

In order to better understand and service the needs of the communities and neighbourhoods within the City of Fort Saskatchewan (the City), CORE Environmental Consulting Inc. (CORE) was retained to conduct a residential waste audit by the City. This involved the collection of materials set out for household curbside waste collection, sorting the various materials into appropriate subsets, and weighing the materials. The set-out rates for the selected residences and an estimated bin fullness were also conducted prior to the collection.

All waste streams (household garbage, organics, and recycling) were collected on May 14th and 15th, and an organics-only audit on May 22nd and 23rd. This is to provide a representative profile of the average waste during a collection cycle, as the garbage and recycling streams are collected on a bi-weekly basis, and the organics is collected weekly.

The methodology followed during the waste audit follows the protocol set out during a previous waste audit in 2018 to allow for a more accurate comparison of the data. This allows CORE and the City to better identify possible means of improving waste collection through outreach and education, with a focus on ways to reduce the amount of waste going to landfill and diverting appropriate materials to a recycling facility. It can also identify gaps in programs, as well as potential waste streams. By comparing to the previous data, it allows for better understanding of any changes that may have taken place.

2. Description

The City selected 100 single family homes and townhouses from several neighbourhoods within the northwest end of the city to provide a representative sample of the demographics of the area.

During the collection on May 14th, 50 of 50 residences had at least one waste stream set out for collection, while on May 15th, 41 of 50 residences had at least one waste stream set out for collection. The following week's collection was organics only, in which 15 of 50 residences had organics set out on May 21st, and 12 of 50 residences on May 22nd. Please see Section 5.1 for more details.

Collection on May 14th and May 21st consisted of 7 residences on Cedar Point, 13 residences on Cherry Point, 5 residences on Cottonwood Crescent, 12 residences on Caragana Way, and 13 residences on Valley Close.

Collection on May 15th and 22nd consisted of 15 residences on Woodsmere Close, 4 residences on Wellington Place, and 31 residences on Woodhill Lane.

3. Waste Audit Categories

The audit categories used for this audit followed those provided by the 2018 Waste Audit report, breaking the three main waste categories (*i.e.*, garbage, organics, and recycling) into further subcategories. These were Paper, Plastics, Metal, Organic Waste, Beverage Containers, Electronics, Textiles, Household Hazardous Waste and Landfill. These were then further subdivided, and are shown in Appendix A, along with a description.



During the audit, the term "contaminated" is used to denote materials that are either in the wrong waste stream (*e.g.*, recyclable materials found in the garbage, or pet waste in plastic bags in the organics), as well as materials that require some preparation that was not taken, such as cardboard with plastic heat wrap, which needs to be separated prior to recycling.

4. Methodology

The primary methodology CORE followed was created based on the methodology outlined in the 2018 audit report and can be found in Appendix C. CORE personnel went out before the collection trucks and measured the set-out rates and fullness of the bins (Appendix E). The trucks were then met at the facility in Fort Saskatchewan, where the collected waste was sorted, weighed, recorded, and disposed of in the correct waste stream (Appendix F).

CORE used two methodologies in the Spring sorting process. The two methods were essentially the same, but the difference being in what was considered flexible plastic and rigid plastic. In the first methodology, flexible plastic was considered any plastic that had not been molded (*i.e.*, bread bags, outer wrapping), and rigid plastic was any plastic that had been molded (*i.e.*, clamshell containers, plastic takeout containers). This is how plastic is defined in the Extended Producer Responsibility (EPR) guidelines. Upon discussions with the City of Fort Saskatchewan personnel, the methodology was revamped, as the flexible plastic and rigid plastic definitions are different in the City's educational documentation. Flexible plastic includes lighter molded plastics (*i.e.*, clamshells), whereas rigid plastics only included robust containers (*i.e.*, soap bottles, shampoo bottles, laundry detergent jugs). Also of note, batteries were considered other household hazardous wastes (HHW), which are applicable to EPR.

5. Results

5.1 Set Out Rates

Prior to collection by the City subcontractors, CORE staff attended each residence and recorded the presence/absence of waste stream bins/containers, as well as the fullness of the bins (garbage and organics) and the number of recycling bags/items. A single recycling unit was classified as a blue bag or an item too large to fit in a bag (*e.g.,* individual boxes), but appropriate for collection outside each residence. This could include such items as a large box, whether empty and broken down, or filled with other appropriate recyclable materials like newspapers and smaller boxes.



Table 1: Set out rates

| Waste Stream | Week 1 | Week 2 | 2018 | 2017 ¹ | % Increase from 2018 |
|--------------|--------|--------|------|-------------------|----------------------|
| Garbage | 91 | - | 78 | 76 | 16.7% |
| Organics | 79 | 30 | 55 | - | 43.6% |
| Recycling | 70 | - | 54 | 47 | 29.6% |

In addition to the above set-out rates, garbage and organics containers were examined for general fullness (empty, 25%, 50%, 75% or full), and recycling bags/items were counted as individual units. Of the 91 garbage containers placed out, 52 were full (57%), and 23 containers were 75% full (25%). Of the 109 organics containers that were put out over the 2 weeks, 53 containers were 25% full (48%) and 27 were half full (24%). Of residences that put out items for recycling, the average was 2.7 items.

5.2 Garbage Waste Stream Audit Results

Ninety-one residences in the sample set placed garbage out, with a total weight of 1669.15 kg, which represents an average of 16.69 kilograms per household (kg/hh). Note that this waste was collected over a 2-week period. A comparison to previous years can be found in Table 2.

Table 2: Kilograms of garbage per household

| 2024 | 2018 | 2017 | % Increase from 2018 | |
|-------|------|------|----------------------|--|
| 16.69 | 13.6 | 12.2 | 22.7% | |

Figure 1 below shows is a representation of the material found in the garbage stream by classification. Recycling material found in the garbage includes recyclable paper, plastic, beverage containers, and tin and aluminum food containers. Transfer Site material includes textiles, electronics, and household hazardous waste (HHW). Landfill is non-recyclable material or garbage that is disposed of appropriately.

¹ There was no organics collection program in 2017. The program was implemented in June 2018.





Figure 1: Composition of the garbage waste stream during the 2024 audit

Table 3 below outlines the weight and percentage of the composition of the garbage waste stream sorted into the subcategories.

| Wasta Catagoni | Garb | 2018 | |
|--|---------|--------|--------|
| Waste Category | kg | % | % |
| Landfill Or Contamination | 233.320 | 40.29% | 58.60% |
| Other Waste (including automotive parts) | 60.220 | 10.4% | 22.5% |
| Contaminated Recycling | NA | NA | NA |
| Glass Food Containers* | NA | NA | NA |
| NR Glass & Ceramics | 14.365 | 2.5% | 3.7% |
| NR Metal | 6.905 | 1.2% | 0.9% |
| NR Paper | 10.075 | 1.7% | 1.3% |
| NR Plastic | 40.930 | 7.1% | 10.1% |

Table 3: Composition of the garbage waste stream

² Grand total weight for garbage is only the garbage that was sorted by hand (~40 households)

^{*} EPR Eligible Category as defined by the Alberta Recycling Management Authority



| Animal Waste: Plastic Bag | 0.430 | 0.1% | 6.0% |
|-------------------------------------|------------|-------|-------|
| Hygiene/Diapers/Pet Pads | 47.265 | 8.2% | 10.2% |
| Construction & Demolition | 25.520 | 4.4% | 3.7% |
| Donatable Items | 23.990 | 4.1% | 1.8% |
| Coffee Cups* | 3.620 | 0.6% | 0.3% |
| Paper | 11.620 | 2.0% | 3.7% |
| Newsprint, Magazines, Flyers* | 2.090 | 0.4% | 0.8% |
| Mixed Paper* | 2.600 | 0.4% | 2.8% |
| Cardboard* | 6.930 | 1.2% | 0.1% |
| Plastic | 42.450 | 7.3% | 3.0% |
| Film* | NA | NA | NA |
| Flexible Plastic* | 22.565 | 3.9% | 1.9% |
| Rigid Plastic* | 19.885 | 3.4% | 1.1% |
| Recycling Bags | NA | NA | NA |
| Organic | 240.369 | 41.5% | 25.0% |
| Edible Food Waste | 9.685 | 1.7% | 5.2% |
| Inedible Food Waste | 25.785 | 4.5% | 3.8% |
| Compostable Paper* | 27.350 | 4.7% | 5.5% |
| Containers Filled with Food | 123.390 | 21.3% | 7.1% |
| Yard & Garden | 15.379 | 2.7% | NA |
| Other Organic Waste | 5.825 | 1.0% | 0.3% |
| Animal Waste: Compostable Bag/Loose | 32.955 | 5.7% | 1.7% |
| Food Waste | NA | NA | 1.4% |
| Beverage Containers | 6.000 | 1.0% | 1.4% |
| Refundables | 6.000 | 1.0% | 1.4% |
| Metal | 5.575 | 1.0% | 0.9% |
| Steel Cans & Aluminum Foil* | 5.575 | 1.0% | 0.9% |
| Electronics | 8.685 | 1.5% | 0.4% |
| E-Waste | 8.685 | 1.5% | 0.4% |
| Other | 0.000 | 0.0% | NA |
| Textiles | 26.100 | 4.5% | 4.7% |
| Clothing and Footwear | 10.820 | 1.9% | 2.5% |
| Household | 7.195 | 1.2% | 0.9% |
| Other | 8.085 | 1.4% | 1.2% |
| Towels | 0.000 | 0.0% | 0.1% |
| ннพ | 5.035 | 0.9% | 0.5% |
| HHW Other* | 5.035 | 0.9% | 0.5% |
| Grand Tota | al 579.154 | 21.8% | 58.6% |

Compared to the audit conducted in 2018, there has been a noticeable increase in the percentage of compostable materials being improperly disposed of in the garbage waste stream. This appears to be



mostly caused by an increase in the number of containers filled with food, which rose from 7% to 22%.

During the sorting process, there were numerous bags observed (>5) that had containers with food, including various jars, cans, and bags of food, many of which were unopened. While the actual cause cannot be determined, the working hypothesis is that an individual was either being evicted from their residence, or the home was being cleaned out after a death or illness, so no care was taken to properly sort the food at the time of disposal in the household. This may have acted as an outlier, skewing the data upwards.



Figure 2: Comparison of the garbage stream percentages between 2017, 2018, and 2024

5.3 Recycling Waste Stream Audit Results

The seventy residences that placed at least one item out for recycling equalled 433.85 kg of material, which represented 6.2 kg/hh over the 2-week timeframe between pick-ups. This amounts to approximately 353 kg when contamination is removed, or 5 kg/hh. Figure 3 outlines the categories sorted from the recycling waste stream with all items falling outside of the City of Fort Saskatchewan's recycling programs approved list is considered contamination. This was often non-recyclable plastics, or materials that would otherwise be recyclable with proper preparation.





Figure 3: Composition of the recycling waste stream during the 2024 audit



Household recycling rates have stayed level from the 2018 data, as shown in Figure 4 below.

Figure 4: Comparison of the recycling stream composition between 2024 and 2018



Table 4 below outlines the weight and percentage of the material identified in the recycling waste stream, sorted into the appropriate subcategories.

| Wasta Ostanomi | Recy | Recycling | | |
|--|---------|-----------|-------|--|
| waste Category | kg | % | % | |
| Landfill Or Contamination | 59.085 | 13.6% | 13.7% | |
| Other Waste (including automotive parts) | 27.235 | 6.3% | 3.0% | |
| Contaminated Recycling | 6.540 | 1.5% | 1.8% | |
| Glass Food Containers* | 8.710 | 2.0% | 2.2% | |
| NR Glass & Ceramics | NA | NA | NA | |
| NR Metal | 0.000 | 0.0% | 0.3% | |
| NR Paper | 5.935 | 1.4% | 1.4% | |
| NR Plastic | 8.630 | 2.0% | 4.8% | |
| Animal Waste: Plastic Bag | NA | NA | NA | |
| Hygiene/Diapers/Pet Pads | NA | NA | NA | |
| Construction & Demolition | NA | NA | NA | |
| Donatable Items | NA | NA | NA | |
| Coffee Cups* | 2.035 | 0.5% | 0.2% | |
| Paper | 291.870 | 67.3% | 70.3% | |
| Newsprint, Magazines, Flyers* | 48.570 | 11.2% | 23.4% | |
| Mixed Paper* | 31.455 | 7.3% | 23.5% | |
| Cardboard* | 211.845 | 48.8% | 23.4% | |
| Plastic | 47.375 | 10.9% | 10.5% | |
| Film* | 0.000 | 0.0% | 1.6% | |
| Flexible Plastic* | 22.565 | 5.2% | 4.2% | |
| Rigid Plastic* | 19.885 | 4.6% | 3.4% | |
| Recycling Bags | 4.925 | 1.1% | 1.3% | |
| Organic | 19.596 | 4.5% | 2.2% | |
| Edible Food Waste | NA | NA | NA | |
| Inedible Food Waste | NA | NA | NA | |
| Compostable Paper* | 18.101 | 4.2% | 1.3% | |
| Containers Filled with Food | 1.495 | 0.3% | 0.9% | |
| Yard & Garden | NA | NA | NA | |
| Other Organic Waste | NA | NA | NA | |
| Animal Waste: Compostable Bag/Loose | NA | NA | NA | |
| Food Waste | NA | NA | NA | |
| Beverage Containers | 3.320 | 0.8% | 1.3% | |
| Refundables | 3.320 | 0.8% | 1.3% | |
| Metal | 11.110 | 2.6% | 1.8% | |

Table 4: Composition of the recycling waste stream



| Steel Cans & Aluminum Foil* | 11.110 | 2.6% | 1.8% |
|-----------------------------|---------|-------|-------|
| Electronics | 0.000 | 0.0% | 0.0% |
| E-Waste | NA | NA | NA |
| Other | NA | NA | NA |
| Textiles | 0.000 | 0.0% | 0.0% |
| Clothing and Footwear | NA | NA | NA |
| Household | NA | NA | NA |
| Other | NA | NA | NA |
| Towels | NA | NA | NA |
| ннพ | 1.495 | 0.3% | 0.1% |
| HHW Other* | 1.495 | 0.3% | 0.1% |
| Grand Total | 433.851 | 16.3% | 11.2% |

5.4 Organic Waste Stream Audit Results

Organics are collected on a weekly basis, versus bi-weekly as is the case for garbage and recycling. Of the 79 residences that set out bins during Week 1, a total of 1078.3 kg was collected for a household average of 13.65 kg/hh. Week 2 saw 27 households place bins out, for a total weight of 564.06 kg, or 20.89 kg/hh. Table 5 outlines the percentages of the Organic Stream.

Table 5: Composition of the organics waste stream

| Wasta Catagoni | Organ | 2018 | |
|--|---------|------|------|
| waste Category | kg | % | % |
| Landfill Or Contamination | 118.760 | 7.2% | 5.0% |
| Other Waste (including automotive parts) | 118.760 | 7.2% | 5.0% |
| Contaminated Recycling | NA | NA | NA |
| Glass Food Containers* | NA | NA | NA |
| NR Glass & Ceramics | NA | NA | NA |
| NR Metal | NA | NA | NA |
| NR Paper | NA | NA | NA |
| NR Plastic | NA | NA | NA |
| Animal Waste: Plastic Bag | NA | NA | NA |
| Hygiene/Diapers/Pet Pads | NA | NA | NA |
| Construction & Demolition | NA | NA | NA |
| Donatable Items | NA | NA | NA |
| Coffee Cups* | NA | NA | NA |
| Paper | 0.000 | 0.0% | 0.0% |
| Newsprint, Magazines, Flyers* | NA | NA | NA |
| Mixed Paper* | NA | NA | NA |
| Cardboard* | NA | NA | NA |



| Plastic | 0.000 | 0.0% | 0.0% |
|-------------------------------------|----------|--------------------|-------|
| Film* | NA | NA | NA |
| Flexible Plastic* | NA | NA | NA |
| Rigid Plastic* | NA | NA | NA |
| Recycling Bags | NA | NA | NA |
| Organic | 1523.590 | 92.8% | 94.4% |
| Edible Food Waste | NA | NA | NA |
| Inedible Food Waste | NA | NA | NA |
| Compostable Paper* | 68.905 | 4.2% | 5.0% |
| Containers Filled with Food | NA | NA | NA |
| Yard & Garden | 943.030 | 57.4% | 55.0% |
| Other Organic Waste | 4.525 | 0.3% | 0.0% |
| Animal Waste: Compostable Bag/Loose | 89.235 | 5.4% | 6.2% |
| Food Waste | 417.895 | 25.4% | 28.2% |
| Beverage Containers | 0.000 | 0.0% | 0.0% |
| Refundables | NA | NA | NA |
| Metal | 0.000 | 0.0% | 0.0% |
| Steel Cans & Aluminum Foil* | NA | NA | NA |
| Electronics | 0.000 | 0.0% | 0.0% |
| E-Waste | NA | NA | NA |
| Other | NA | NA | NA |
| Textiles | 0.000 | 0.0% | 0.0% |
| Clothing and Footwear | NA | NA | NA |
| Household | NA | NA | NA |
| Other | NA | NA | NA |
| Towels | NA | NA | NA |
| ннพ | 0.000 | 0.0% | 0.0% |
| HHW Other* | NA | NA | NA |
| Organics Grand Total | 1642.350 | 61.9% ³ | 30.2% |

Figure 5 below shows the breakdown of the subcategories that the organics stream was broken up into.

³ 61.9% and 30.2% represent the proportion of organics as a percentage of all material collected in 2024 and 2018 respectively





Figure 5: Composition of the organics waste stream during the 2024 audit



Overall, the values are consistent with the results found in the 2018 audit, (Figure 6) with a small uptick in contamination.

Figure 6: Comparison of the organics stream composition between 2024 and 2018



During the hand sorting, various car parts (Figure 7) were discovered in the organics, accounting for over 19 kg of the 118.76 kg total, or over 1% of the total mass of contamination. More photos from the waste audit can be found in Appendix D.



Figure 7: Automotive parts found in the organics waste stream

6. Downstream Offtakes Review

6.1 Organics

The City's organic waste is collected by Integrity Waste Solutions (Integrity). CORE contacted Integrity to determine the handling methods for the City's organic waste. Mr. Chris Guinette advised that the organic waste from the City is sent to Integrity's waste transfer facility located at 11420 – 199 Street in Edmonton, Alberta. He advised that the material is placed in a bunker, sorted and sent to the Roseridge Compost Facility (Roseridge) in Sturgeon County. The acceptance criteria for that particular compost facility stipulated that material inbound must contain less than 10% contamination of non-compostable materials. Mr. Guinette also advised that the material arriving at Integrity's transfer facility is sorted and that greater than 90% of the material received (by weight) is sent to Roseridge. Roseridge currently operates under Alberta Environment and Protected Areas Approval No. 00304529-00-00 and Integrity's waste transfer facility operates under notification 472985-00-00.



6.2 Recyclables

The City's recyclables are picked up by Integrity and brought to the E360 recycling facility located at 15003 – 128 Ave NW in Edmonton, Alberta. CORE and City representatives visited this facility on July 10, 2024. The purpose of the visit was to review at a high level the handling of recyclable materials brought to this facility. Mr. Jeff Hebner outlined the various offtakes for the materials received. These are summarized in the table below. It was indicated that the only materials not recycled were recyclables contaminated with organics and multipart materials and that these materials comprised 2% by weight during a recent audit.

Table 6: Summary of off takes

| Inbound Material | Offtake | Processing Notes |
|---|--|---|
| Office Paper | Tissue Mill | Office paper is shredded and sent to a paper mill for production into tissue paper. |
| Plastics #1-7 | Plastics recycling into other plastics | Sorted plastics are sent to a plastics facility for further sorting and granulation. These materials are sent to facilities for recycling into materials from each plastic type. |
| Film Plastics | Waste to Energy | If clean and a Grade A LDPE it is sent to be 100% recycled back into LDPE. Coloured or contaminated sent to a refuse derived fuel production facility. |
| Plastics #1-7 contaminated with other recyclables | Waste to Energy | Plastics contaminated with other recyclables are sent to a refuse derived fuel production facility. |
| Commercial HDPE | HDPE | Commercial HDPE (buckets, pails drums) are sent to a plastics recycling company for pelletizing into raw plastic. |
| Metal - ferrous, non-ferrous metals | Metal recycling | Metals are separated into a bin and send to a scrap recycling facility. |
| Two part or multi part materials | Landfill | Two part or multi-part materials are generally not recyclable and are sent to landfill. |
| Poor quality Cardboard (identified as yellow/boxboard linerboard) | Carboard recycling for various reuse | Cardboard is Graded: Poorer quality cardboard has been recycled multiple times resulting in shorter fibres which produce a poorer quality cardboard. This material becomes the interior portion of carboard. |
| Brown cardboard | Carboard recycling for various reuse | Cardboard is graded: Higher quality cardboard with longer fibres is recycled into the outer portion of cardboard. |
| Contaminated Cardboard | Waste to Energy | Contaminated cardboard is set to a refuse derived fuel or landfill depending upon type and level of contamination. |
| Newsprint | Insulation | Newspaper is shredded and sent to paper mills for recycling back into newsprint or can used for insulating materials. |
| Recyclables contaminated with organics | Landfilled | Organic contamination makes recycling impossible. |



6.3 Landfill Waste

The City's landfill waste (black bins) is picked up by Integrity. CORE contacted Integrity to determine the handling methods for the City's landfill waste. Mr. Chris Guinette advised that the landfill waste from the City is sent to Integrity's waste transfer facility located at 11420 – 199 Street in Edmonton, Alberta. The material is transloaded and shipped to Claystone Waste's Class II Ryley Landfill for disposal. Claystone currently operates under Alberta Environment and Protected Areas Approval 00020754-02-00 and Integrity's waste transfer facility operates under notification 472985-00-00.

7. Extended Producer Responsibility (EPR) Program

Alberta, through the Alberta Recycling Management Authority (ARMA) will be implementing the EPR program with the intent of capturing and recycling packaging and paper products. The program will incentivise collection of recyclable materials and make the producers of these materials responsible for their processing and recycling, removing the burden from municipalities. ARMA has issued limited guidance on the materials that could fall into this program. CORE has reviewed the current waste streams and associated waste stream subcategories that the City has outlined in their educational resources to theresidents, as well as the subcategories based on the 2018 waste audit. The table provided in Appendix B outlines the entirety of the data collected from the 2024 waste audit, and all subcategories with an asterisk could be included in an EPR program. The EPR categories make up about 16.5% of the total garbage waste stream, 4.2% of the total organics waste stream, and 86.6% of the recycling waste stream. All subcategories that could be included in the EPR program are outlined in Table 7 below.



| Wests Ostenson | Garbage | | Organics | | Recycle | |
|-------------------------------|---------|-------|----------|--------|---------|-------|
| waste Category | kg | % | kg | % | kg | % |
| Landfill Or Contamination | 3.620 | 3.78% | 0.000 | 0.0% | 10.745 | 2.9% |
| Glass Food Containers* | NA | NA | NA | NA | 8.710 | 2.3% |
| Coffee Cups* | 3.620 | 3.8% | NA | NA | 2.035 | 0.5% |
| Paper | 11.620 | 12.1% | 0.000 | 0.0% | 291.870 | 77.7% |
| Newsprint, Magazines, Flyers* | 2.090 | 2.2% | NA | NA | 48.570 | 11.2% |
| Mixed Paper* | 2.600 | 2.7% | NA | NA | 31.455 | 7.3% |
| Cardboard* | 6.930 | 7.2% | NA | NA | 211.845 | 48.8% |
| Plastic | 42.450 | 44.4% | 0.000 | 0.0% | 42.450 | 11.3% |
| Film* | NA | NA | NA | NA | 0.000 | 0.0% |
| Flexible Plastic* | 22.565 | 23.6% | NA | NA | 22.565 | 5.2% |
| Rigid Plastic* | 19.885 | 20.8% | NA | NA | 19.885 | 4.6% |
| Organic | 27.350 | 28.6% | 68.905 | 100.0% | 18.101 | 4.8% |
| Compostable Paper* | 27.350 | 28.6% | 68.905 | 4.5% | 18.101 | 4.2% |
| Metal | 5.575 | 5.8% | 0.000 | 0.0% | 11.110 | 3.0% |
| Steel Cans & Aluminum Foil* | 5.575 | 5.8% | NA | NA | 11.110 | 2.6% |
| ННѠ | 5.035 | 5.3% | 0.000 | 0.0% | 1.495 | 0.4% |
| HHW Other* | 5.035 | 5.3% | NA | NA | 1.495 | 0.4% |
| Grand Total ⁴ | 95.650 | 16.5% | 68.905 | 4.2% | 375.771 | 86.6% |

Table 7: Summary of totals for EPR eligible categories defined by ARMA

8. Waste Audit Observations and Interpretations

The City's waste collection program helps ensure materials are properly diverted for processing. This can only occur with the assistance of the residents, by ensuring materials are properly sorted and separated. Set-out rates for all waste streams have increased, as shown in Table 1, which could be taken to indicate that the community is aware of the programs and will continue to participate.

As noted in the 2018 audit report, organic contamination in the waste stream is still an area for improvement, as 41.5% of the garbage waste stream was comprised of organic materials. While, as previously noted, there was indication of an outlier in the data, that only accounts for a small portion of the organics in the garbage. As 21% of the organics was containers filled with food, a push in Community Outreach and Education programs ensuring residents are aware of what materials can go into the organics may assist in increasing the proper diversion of organic materials.

The amount of waste that is being placed at the curb for pick up has also increased 22.7% from 2018 (Table 2), and an increase was noted when comparing the 2018 data to 2017. Working towards reducing the

⁴ The percentages represent the percent of EPR applicable materials in each of garbage, organics and recycling streams



overall amount of waste being generated may help slow the growth in the future. While many people know the "3 R's", many focus on Recycle, rather than Reduce and Reuse. Working to put together a program that focuses on promoting reducing and reusing waste products before resorting to disposal can help reduce the amount of waste being sent for management.

Based on the investigation of down stream recycling and processing of recyclables from Fort Saskatchewan, some confidence could be gained with respect to the ultimate disposition of recyclable materials. Organics processing is somewhat more opaque compared to recycling. A visit to the downstream facilities and an audit of their handling and material tracking would be advised.

9. Limitations of Liability

The content of this Report is not intended for the use of, nor is it intended to be relied upon, by any person, firm, or corporation other than the City of Fort Saskatchewan. This document contains confidential commercial and technical information and must not be released in whole, or in part, to any third party without express written consent. CORE Environmental Consulting Inc. denies any liability whatsoever to other parties who may obtain access to this document for damages or injury suffered by such third parties arising from the use of this document or the information contained herein. If the recipient of the document chooses not to accept it, it shall be returned to CORE Environmental Consulting Inc. without delay.



10. Closure

We trust this report meets your present requirements. If you have any questions or comments, please contact the undersigned. Thank you.

Respectfully Submitted,

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11. References

City of Fort Saskatchewan. (2023). 2023 Municipal Census Report. https://www.fortsask.ca/en/your-cityhall/resources/Documents/Census/2023-Municipal-Census-Report.pdf Appendix A – Audit Categories

| Paper | Description | | |
|------------------------------|--|--|--|
| Newsprint, Magazines, Flyers | | | |
| Mixed Deper | Boxboard, envelops, paper, brown paper bags, tetra (soup), ice cream box, | | |
| | egg carton, white paper, paper coffee cups | | |
| Cardboard | Corrugated | | |
| Plastic | | | |
| Rigid | Detergent bottles; focusing on #2, #5 bottles | | |
| Flexible | All other number plastic not mentioned above | | |
| Glass | | | |
| Glass Food Jars | Food jars only | | |
| Metal | | | |
| Steel Cans & Aluminum foil | Steel cans and foil containers | | |
| Organics | | | |
| Edible Food Waste | Sandwich, whole fruit | | |
| Inedible Food Waste | Banana peel, bones | | |
| | Food soiled napkins, paper plates no waxy liner, fast food packaging (i.e. | | |
| Compostable Paper | French fry boxes, brown fast-food bags, flour bags, parchment paper); | | |
| | subway paper; tissue | | |
| Containers Filled with Food | Sour cream container, dipping sauce containers | | |
| Yard & Garden | Grass clippings, trimmings | | |
| Clean Wood | Lumber | | |
| Other Organic Waste | Stir sticks, chop sticks, toothpicks, popsicle sticks, animal hair | | |
| Beverage Containers | | | |
| Refundables | Aluminum, tetra, pouches, glass | | |
| Electronics | | | |
| Personal Electronics | IT accessories, toothbrush, headphones, watch, camera | | |
| Other | Audio, Visual, Kitchen and Power Tools | | |
| Household Hazardous Waste | | | |
| ННШ | Aerosol cans | | |
| | Batteries, AUOMA containers, fluorescent bulbs, paint and paint cans, used | | |
| | engine oil and filters, antifreeze, propane tanks, household chemicals | | |
| Textiles | | | |
| Clothing and Footwear | Clothing and footwear | | |
| Household | Drapes, pillows | | |
| Other | Rags, work gloves, coveralls | | |
| Landfill | | | |
| Other Waste | Playdough, glue, cig butts, elastics, rubber gloves, hand lotion tubes, lint, | | |
| | fines -small residue | | |
| Non Republic Perer | Cotton balls, cigarette foils, Kleenex, ice cream containers, dog food bags as | | |
| | they have a liner, waxy paper, coffee cups, and fountain cups | | |
| Non Romulable Plastic | Straws, plastic cutlery, wrappers, chip bags, Styrofoam food containers, non- | | |
| Non-Recyclable Plastic | stretchy plastic film (candy wrappers, blister pack with no number) any | | |

| | plastic container with no #1-7, toys, cd cases, plant pots, crunchy plastic, film |
|--------------------------------|--|
| Non-Recyclable Glass/ Ceramics | Glass jars, windowpanes, fish tanks, coffee mugs and plates, incandescent light bulbs |
| Non-Recyclable Metal | Hangers, siding, screws |
| Garbage Bags | |
| C&D waste | Treated and painted wood, paint brushes, drywall, sawdust, drywall residue |
| Contaminated Recycling | Used in the recycling audit, as well as the public spaces audit to reflect unwashed recyclables. |
| Reuse | Items that could be donated |
| Hygiene/ Diapers/Pet Pads | |
| Animal Waste | For the organic audit divided this up into Animal Waste: Plastic Bags and Animal Waste: Compostable Bags |

Appendix B – Waste Audit Results

| Wasta Catagony | Garbage** | | Organics | | Recycle | |
|--|-----------|--------|----------|-------|---------|-------|
| Waste Category | kg | % | kg | % | kg | % |
| Landfill Or Contamination | 233.320 | 40.29% | 118.760 | 7.2% | 59.085 | 13.6% |
| Other Waste (including automotive parts) | 60.220 | 10.4% | 118.760 | 7.2% | 27.235 | 6.3% |
| Contaminated Recycling | NA | NA | NA | NA | 6.540 | 1.5% |
| Glass Food Containers* | NA | NA | NA | NA | 8.710 | 2.0% |
| NR Glass & Ceramics | 14.365 | 2.5% | NA | NA | NA | NA |
| NR Metal | 6.905 | 1.2% | NA | NA | 0.000 | 0.0% |
| NR Paper | 10.075 | 1.7% | NA | NA | 5.935 | 1.4% |
| NR Plastic | 40.930 | 7.1% | NA | NA | 8.630 | 2.0% |
| Animal Waste: Plastic Bag | 0.430 | 0.1% | NA | NA | NA | NA |
| Hygiene/Diapers/Pet Pads | 47.265 | 8.2% | NA | NA | NA | NA |
| Construction & Demolition | 25.520 | 4.4% | NA | NA | NA | NA |
| Donatable Items | 23.990 | 4.1% | NA | NA | NA | NA |
| Coffee Cups* | 3.620 | 0.6% | NA | NA | 2.035 | 0.5% |
| Paper | 11.620 | 2.0% | 0.000 | 0.0% | 291.870 | 67.3% |
| Newsprint, Magazines, Flyers* | 2.090 | 0.4% | NA | NA | 48.570 | 11.2% |
| Mixed Paper* | 2.600 | 0.4% | NA | NA | 31.455 | 7.3% |
| Cardboard* | 6.930 | 1.2% | NA | NA | 211.845 | 48.8% |
| Plastic | 42.450 | 7.3% | 0.000 | 0.0% | 47.375 | 10.9% |
| Film* | NA | NA | NA | NA | 0.000 | 0.0% |
| Flexible Plastic* | 22.565 | 3.9% | NA | NA | 22.565 | 5.2% |
| Rigid Plastic* | 19.885 | 3.4% | NA | NA | 19.885 | 4.6% |
| Recycling Bags | NA | NA | NA | NA | 4.925 | 1.1% |
| Organic | 240.369 | 41.5% | 1523.590 | 92.8% | 19.596 | 4.5% |
| Edible Food Waste | 9.685 | 1.7% | NA | NA | NA | NA |
| Inedible Food Waste | 25.785 | 4.5% | NA | NA | NA | NA |
| Compostable Paper* | 27.350 | 4.7% | 68.905 | 4.2% | 18.101 | 4.2% |
| Containers Filled with Food | 123.390 | 21.3% | NA | NA | 1.495 | 0.3% |
| Yard & Garden | 15.379 | 2.7% | 943.030 | 57.4% | NA | NA |
| Other Organic Waste | 5.825 | 1.0% | 4.525 | 0.3% | NA | NA |
| Animal Waste: Compostable Bag/Loose | 32.955 | 5.7% | 89.235 | 5.4% | NA | NA |
| Food Waste | NA | NA | 417.895 | 25.4% | NA | NA |
| Beverage Containers | 6.000 | 1.0% | 0.000 | 0.0% | 3.320 | 0.8% |
| Refundables | 6.000 | 1.0% | NA | NA | 3.320 | 0.8% |
| Metal | 5.575 | 1.0% | 0.000 | 0.0% | 11.110 | 2.6% |
| Steel Cans & Aluminum Foil* | 5.575 | 1.0% | NA | NA | 11.110 | 2.6% |
| Electronics | 8.685 | 1.5% | 0.000 | 0.0% | 0.000 | 0.0% |
| E-Waste | 8.685 | 1.5% | NA | NA | NA | NA |
| Other | 0.000 | 0.0% | NA | NA | NA | NA |
| Textiles | 26.100 | 4.5% | 0.000 | 0.0% | 0.000 | 0.0% |
| Clothing and Footwear | 10.820 | 1.9% | NA | NA | NA | NA |
| Household | 7.195 | 1.2% | NA | NA | NA | NA |
| Other | 8.085 | 1.4% | NA | NA | NA | NA |
| Towels | 0.000 | 0.0% | NA | NA | NA | NA |
| ннพ | 5.035 | 0.9% | 0.000 | 0.0% | 1.495 | 0.3% |
| HHW Other* | 5.035 | 0.9% | NA | NA | 1.495 | 0.3% |
| Grand Total | 579.154 | 21.8% | 1642.350 | 61.9% | 433.851 | 16.3% |

* EPR Eligible Category as defined by the Alberta Recycling Management Authority

** Grand total weight for garbage is only the garbage that was actually sorted by hand (~40 households)

Appendix C – Waste Audit Procedure for City of Fort Saskatchewan



General

In order to better understand the needs of a business, community, town, or city in regards to waste management, a waste audit may be conducted, which is a valuable means of gathering information that can be used to direct the client towards means of improving waste collection through outreach and education, with a focus on ways to reduce the amount of waste going to landfill, and diverting appropriate materials to a recycling facility. It can also identify gaps in programs, as well as potential waste streams.

Waste audits are conducted by sorting a subsection of a community's waste into various categories. This can identify if recycling or organics programs are warranted, or in locales where these programs are offered, will provide information on gaps in community participation, and provide guidance on where to direct outreach funds and education.

This document is designed to outline the process by which incoming waste streams for the Fort Saskatchewan Waste Audit project (Project No. 2024001016) will be processed and divided but may be modified or adapted for other waste audit projects. Please note: This process is liable to be modified based on actual locale conditions, space availability, materials/equipment availability, personnel, etc.

Safety & Personal Protective Equipment

Depending on the nature of the waste being sorted, the PPE requirements will differ. If the materials are mostly dry (manufacturing facility waste), then standard PPE may be sufficient. In cases where there is a risk of wet wastes, biohazard, or chemical exposure, then the PPE requirements may be more stringent.

Consideration must also be given to puncture and laceration protection from broken glass and tin can lids, as well as improperly disposed of medical wastes (syringes, lancets, etc.)

Due to the nature of the materials we expect to be working with, proper PPE will be worn during the entire process of sorting and handling, with a focus on the prevention of lacerations, punctures, and exposure to potential chemical or biohazardous materials. Gloves will have an ANSI Cut Resistance rating of A4 or greater, with a focus on puncture resistance, with an inner glove of nitrile being worn, unless the cut resistant gloves are impermeable to moisture. Proper footwear will be worn, with CSA approved work boots or rubber boots, chosen at the discretion of the worker. Respiratory PPE (full or half mask with P100 (magenta) cartridges, or dust masks) will be available for those handling the materials. Tyvek suits are STRONGLY advised, and hand sanitizer will be available.

Known Hazards

- Muscle strains from carrying bags and bins, or twisting while moving materials,
- Biological hazards from syringes, lancets, dirty diapers, rotting food products, bacteria, etc.,
- Cuts/punctures from broken glass, improperly disposed of medical items, can lids or other metals,
- Hazardous substances such as compromised aerosol cans, paints, solvents, herbicides, pesticides, and medications (particularly fentanyl),



• Pests, such as mice, bats, insects,

This section **does not** remove the requirement for conducting a Field Level Hazard Assessment or supersede any findings.

Personal Protective Equipment (PPE) - Suggestions

- CSA approved footwear
- Long pants
- Long sleeve shirt
- Nitrile gloves
- Cut resistant gloves

Equipment & Supplies

- Scale for measuring wastes
- Bins for bulking the waste
- Field sheets, clip board for recording data
- Tongs, short 'kitchen style" and long "trash picking style" to handle waste
- **Camera** (phone) to document process
- Knife for cutting open bags
- First Aid Kit with Naloxone kit in case of fentanyl exposure

Field Procedure

Pre-Job preparation:

- Label each holding bin with appropriate waste categories (paper, plastic, etc.). There will be nine waste categories, namely Paper, Plastics, Metal, Organic Waste, Beverage Containers, Electronics, Textiles, Household Hazardous Waste and Landfill. These will then be subdivided further based on the waste stream (Garbage, Compost, Recycling). The subdivisions can be found at the end of this document.
- Weigh each bin on the scale and label measured mass in kilograms on side of bin. There is also the option to tare the scale using the weight of the waste bin. That way, only the weight of the contents is registered and this weight can be directly input

- Tyvek suit (dependant)
- Safety glasses
- Full or half mask with P100 cartridge (magenta)
- Face shield



Procedure

- 1. Complete the field level hazard assessment, and identify the controls required to mitigate the hazards. Formal safety processes will be determined once the space has been identified and inspected. This may include marked safe zones where staff must remain during unloading to ensure safety and allow drivers to focus on offloading. If required, one person will be designated as a spotter, who will be responsible for communicating with the driver, determining the category of the contents, and directing them to the correct staging pile. They will also be responsible for ensuring no other personnel are in the vicinity and potentially in the line of fire. The spotter will wear a high viz vest during unloading and will ensure hand signals are agreed upon with the driver(s) to allow for communication.
- 2. Residential waste materials will be delivered via standard waste collection truck, and will be divided into three categories, Household Waste, Recyclables, and Organic Bin waste during the time of pickup. These materials will be deposited in designated areas to ensure separation to prevent contamination.
- 3. Cut open the bags onto the floor or on the table and drag the bag away, allowing the contents to slide out onto floor or table. Do not dump from height as it may contain glass.
- 4. To ensure the minimum sample size is collected, waste materials will be shoveled into bins until 200 kg of waste is collected. Collect waste from all four corners of the pile to ensure a representative sample is collected.
- 5. Conduct initial inspection of waste material, taking special attention to identify any hazardous materials.
- 6. Place each item in appropriate waste category bin.
- 7. Once the bin is ³/₄ full, weigh on scale, subtracting pre-measure bin mass from total (this may be done using a formula in the Excel data sheet). Record measurement on Excel data sheet.
- 8. Repeat process for all waste items.
- 9. Once work is completed, disposable PPE will be appropriately disposed of, and all other PPE and equipment will be decontaminated for reuse.

Post-Job

Transfer data (if on paper) to an Excel spreadsheet. Scan the paper copies and save in the appropriate file, along with the spreadsheet for completion of the report.

Other details:

Material categories may change based on the client requirements. Table 1 outlines the standard material description used for waste audits, but client requirements/requests will supersede those listed below.



Table 1: Standard Material Category Descriptions

| Material Category Descriptions | |
|---|--|
| Material Category | Description |
| 1. Paper and Paper Products | |
| Fine Paper | Includes mixed fine papers, writing paper, office paper, copy paper, bills and statements, ad mail, lottery tickets, receipts, envelopes, promotional cards, promotional calendars, printed information found within packaged products, etc. Also includes soft cover books, booklets, magazines, catalogues, calendars, flyers, and inserts. |
| Newsprint | Major daily and weekly newspapers and community newspapers. Does not include flyers and inserts. |
| Shredded Confidential Papers | Any paper that has been shredded. |
| Boxboard | Single layered paperboard and fibre board with no corrugation. Includes cereal boxes, shoe boxes, cores from toilet paper / paper towels / gift wrap, etc. |
| Kraft Paper | Kraft paper bags and wrap, grocery or retail bags, potato bags, some pet food bags, etc. Includes brown, white, and coloured kraft paper and bags. No bags with bonded plastic or foil lining. |
| Corrugated Cardboard | Waxed or unwaxed corrugated cardboard containers. Includes molded pulp materials such as egg cartons, drink trays, other trays, etc. |
| Gable Top Containers | Polycoat containers with a gable shaped top used for milk, juice, some foods, etc. |
| Aseptic Containers | Tetra-pak type polycoat packaging containers used for juice, milk, some soups & broths, alternative milk beverages, alcoholic beverages, etc. |
| Composite Cans | Spiral wound cans with paper walls and plastic or metal tops or bottoms. Includes frozen juice, Pringles chips, dough, some raisins, etc. |
| 2. Plastics | |
| #1 Polyethylene Terephthalate (PET) | All PET #1 plastics. Includes clear or coloured thermoform packaging, beverage bottles, non- beverage bottles used for food items and non-food items such as dish soap, shampoo, mouthwash, window cleaner, floor cleaner, etc. Does not include Black Plastics. |
| #2 High-Density Polyethylene (HDPE) | All HDPE #2 plastics. Includes natural and coloured bottles, jugs, and containers for beverages, food items, and non-food items such as laundry soap, shampoo, bleach, vinegar, pill bottles, etc. Does not include Black Plastics. |
| #4 Low-Density Polyethylene (LDPE) Films | All #4 LDPE plastic films. Includes soft "stretchy" PE plastic used for items such as produce bags, overwrap for water bottles, garbage bags, kitchen liners, blue or clear recycling bags, sandwich, and freezer bags, etc. Does not include Black Plastics. |



| #5 Polypropylene (PP) | All #5 PP plastics. Includes clear and coloured food containers, jugs, and jars, take-out beverage cups, bottles, and jars for food items, etc. Does not include Black Plastics. |
|--------------------------------------|---|
| #6 Non-Expanded Polystyrene (PS) | All Non-Expanded (rigid) #6 PS plastics. Includes clear or coloured rigid food trays, clamshells, cup lids, yogurt cups, CD and DVD cases only (no disk), etc. Does not include Black Plastics. |
| Other Recyclable Plastics (#3, 4, 7) | All other recyclable plastics (#3, 4, 7). Includes clear and coloured bottles, jugs, jars, containers. |
| 3. Glass/Metal | |
| Glass | All clear and coloured glass. Includes bottles and containers for food, beverage, cosmetics, toiletries, household pharmaceutical products, candle jars etc. Does not include non-recyclable glass such as windowpane glass, plates, drinking glasses, figures, incandescent light bulbs. |
| Aluminum | All aluminum containers and foils. Includes food and beverage containers, rigid aluminum trays (pie plates, baking trays, etc.), empty aerosol containers, and containers for hair products, tubes, etc. Does not include full or partially full pressurized cans. |
| Steel | All steel containers. Includes food and beverage containers, empty spray cans (for cooking oil, whipped cream, etc.), empty paint cans. Does not include full or partially full pressurized cans. |
| 4. Organics | |
| Organic Food Waste | All edible and non-edible organic wastes that results from food items. Includes untouched and leftover bakery, meat & fish, dried food, fruits & vegetables, dairy, and other foods. |
| Other Organics | All other organic materials that do not result from food items. Includes yard waste, grass clippings, small wood waste, pet waste, diapers and sanitary products, certified compostable plastic bin liners, and other compostable papers. |
| Compostable Fibres | Paper towels, paper napkins, toilet papers, facial tissues, etc. |
| 5. Operational Waste | |
| Other Metals | Scrap metals, copper pipes, hardware, etc. Includes multi-material items that are mainly metal |
| Non-Treated Wood | Non-treated wood materials. Includes skids/pallets, wooden furniture, etc. Does not include branches, brush, or wood chips. |
| Batteries | All single-use and rechargeable batteries. Includes Alkaline-Manganese, Lithium, Silver Oxide, Zinc Air, Zinc-Carbon, etc. |
| Printer Ioners | All Ink cartridges and printer toners. |



| E- Waste Plastic Strapping | All Waste from Electrical and Electronic Equipment (WEEE). Anything that is battery operated and/or can be plugged in to an electrical outlet. Includes computer / IT equipment, telecom equipment, TV & audio equipment, small kitchen appliances, wires / chargers / adapters, cocks, gadgets, etc. All Plastic Strapping material. This material is used to bundle products together for retail sales and can come in a variety of colours and plastic materials. |
|-------------------------------|--|
| 6. Non-Recyclable Waste | |
| Hazardous Wastes | All hazardous wastes not classified elsewhere. Includes full or partially full pressurized cans, paints, and oil containers. Also includes fluorescent light bulbs and tubes, medical sharps and syringes, mercury containing devices, pharmaceuticals, antifreeze, fertilizers, solvents, pesticides, etc. Also includes all other liquid or non-liquid items with signal words such as "Poison", "Danger", "Warning", "Caution", and "Precautionary Statements". |
| Coffee Cups | All cups and containers used for hot/cold beverages and food with a plastic or wax lining. Multiple layered, primarily fibre, hot/cold food and beverage containers common in fast food industry. Includes paper-based cups with a plastic lining, water cooler cups, freezer boxes, etc. |
| Black Plastics | Includes all Black Plastics #1-7 and unmarked. Also includes rigid, durable, and expanded Black Plastics, as well as black plastic bags. |
| Expanded Polystyrene | Includes white, coloured, and black polystyrene foam packaging. Includes food trays, clamshells, etc. Also includes foam packaging "peanuts" and foam blocks used to protect boxed products. |
| Non-Recyclable/Garbage | All other non-recyclable waste materials not classified elsewhere. Includes chip bags, furnace filters, laminated papers, rigid or durable plastics, non-recyclable glass, dust, single-use cleaning wipes, single-use coffee pods, plastic straws and cutlery, materials too small to process, etc. |
| 7. Facility-Specific Waste | |



Garbage Waste Stream

- Compostable
 - o Edible Food Waste
 - o Inedible Food Waste
 - Compostable paper
 - Containers Filled with Food
- Recycling
 - o Newsprint, Magazines, Flyers
 - o Mixed Paper
 - $\circ \quad \text{Cardboard}$
 - o Flexible Plastic
- Landfill
 - o Other Waste
 - NR Glass & Ceramics
 - o NR Metal
 - o NR Paper
 - o NR Plastic
- Transfer Site
 - Clothing and footwear
 - o E-Waste
 - o HHW Other
 - o Household

- Other Organic Waste
- Animal Waste: Compostable Bag/Loose
- o Food Waste
- o Refundables
- o Rigid Plastic
- o Steel Cans & Aluminum foil
- o Animal Waste: Plastic Bag
- o Hygiene/Diapers/Pet Pads
- o C&D
- o Coffee Cups
- o Textile Other
- o Donatable Items
- o Towels



Recycling Waste Stream

- Recycling
 - o Mixed Paper
 - Newsprint, Magazines, Flyers
 - Cardboard
 - o Flexible Plastic
- Contamination
 - o NR Plastic
 - o Other Waste
 - Glass Food Containers
 - o Contaminated Recycling
 - o Film
 - o NR Paper

Organic Waste Stream

- Compostable
 - Yard & Garden
 - Food Waste
 - o Animal Waste
- Contamination
 - o Other Waste

- o Rigid Plastic
- o Steel Cans & Aluminum foil
- Recycling Bags
- o Refundable
- o Compostable paper
- \circ Containers Filled with Food
- o NR Metal
- o Coffee Cups
- \circ Other
- o HHW Other

- o Compostable Paper
- o Other Organic Waste


Extended Producer Responsibility (EPR)

- Single-use Products, Packaging, and Paper Products (PPP)
 - o Printer paper
 - o Rigid plastic
 - o Flexible Plastic
 - o Metal
 - o Glass
- Hazardous and Special Products (HSP)
 - o Batteries
 - Single-use
 - Rechargeable
 - Does not include lead batteries, or batteries over 5 kg
 - Corrosive products
 - Solid, liquid, and gaseous products and their containers

- Does not include products intended to be put down drains
- o Flammable products
 - Solid, liquid, and gaseous products and their containers
- o Pesticides
 - Pesticides, herbicides, fungicides, and insecticides and their containers
- Toxic products
 - Solid, liquid, and gaseous products and their containers
 - Does not include products intended to be put down drains
- Electronics and electrical equipment
- Tires
- Furniture and mattresses



Management of Change

| Date | Section(s) | Description | By |
|----------------|------------|--|----|
| 5-January-2024 | All | Update Formatting | GK |
| 9-April-2024 | All | Merge with Waste Stream Process Document | GK |
| 25-April-2024 | EPR | Addition of EPR Categories | ZP |

Appendix D – Photo Log



Figure 1: Garbage Waste Stream arriving at the sorting location



Figure 2: Sorting Organics waste stream



Figure 3:Sorting and weighing cardboard



Figure 4: Donatable items found in the garbage waste stream



Figure 5: Sorting Non-edible Food Waste



Figure 6: Sorting Rigid Plastic containers



Figure 7: Sorting Yard Waste



Figure 8: Non-recyclable paper



Figure 9:Sorting flexable plastic

Appendix E – Set-Out Rate Field Sheets

TUES

| | | Stream | | | | | | | | - | | | | _ | | |
|----|------------|-----------|---|--------|---|-------|------|------------|-------|----------|---------|------|-------|-----|-----|-------|
| + | Address | Stream | + | | | 4 | Per | cen | ntage | /Nc | o. of E | lags | | | | |
| | | Garbage | | None | | J Fu | 11 1 | 9 | 75% | | 50% | 6 [| 259 | % | ٦ | Empty |
| | 1 Cedar Pt | Compost | | J None | | J Ful | | כ ו | 75% | | 50% | 6 🖪 | 25% | % (| 2 | Empty |
| | | Recycling | | J None | 1 | A | 3 | | | | | | | | | |
| | | Garbage | | J None | | I Ful | 1 | x 7 | 75% | | 50% | | 25% | 6 0 | 5 | Empty |
| | 2 Cedar Pt | Compost | | J None | | l Ful | | 7 | 75% | Ŕ | 50% | | 25% | 6 [|] | Empty |
| L | | Recycling | | None | - | 3 | | | | | - | | | | | |
| | | Garbage | | None | | Full | | J 7 | 75% | | 50% | | 25% | |] | Empty |
| : | 5 Cedar Pt | Compost | | None | | Full | | J 7 | 75% | 0 | 50% | | 25% | | 1 | Empty |
| | | Recycling | | None | 1 | | _ | - | | | | | | | | |
| | | Garbage | | None | | Full | Ř | 7 | 5% | | 50% | | 25% | | 1 6 | Empty |
| 6 | cedar Pt | Compost | | None | | Full | | 1 7 | 5% | | 50% | | 25% | | | moty |
| | | Recycling | X | None | | | _ | | | | | | | | | inpty |
| | | Garbage | | None | | Full | | 7! | 5% | | 50% | | 25% | | | mntv |
| 9 | Cedar Pt | Compost | | None | | Full | | 7 | 5% | | 50% | | 25% | | | mpty |
| | | Recycling | X | None | | | 1 | | | | | 1 | | 10 | | pty |
| | | Garbage | | None | X | Full | | 75 | 5% | | 50% | | 25% | | | motu |
| 10 |) Cedar Pt | Compost | 0 | None | | Full | | 75 | 5% | | 50% | | 25% | | | mpty |
| | | Recycling | | None | 5 | - | | | | | 0070 | | 2070 | | | mpty |
| | | Garbage | | None | Ø | Full | | 75 | 3% | — | 50% | | 250/ | | | |
| 12 | Cedar Pt | Compost | 0 | None | | Full | | 75 | 0/ | | 50% | | 25% | | | mpty |
| | - | Recycling | | None | 1 | | | | //0 | ~ | 50% | | 23% | | | mpty |
| | | Garbage | | None | | Full | 1 | 75 | 0/ 6 | - | 500/ | | 0.504 | | | |
| 1 | Cherry Pt | Compost I | | None | | Full | ~ | 70 | /0 L | · · · | 50% | | 25% | | Er | npty |
| | - | Recycling | | None | 7 | | | 75 | 70 [| | 50% | R | 25% | | Er | npty |
| | | | _ | | 2 | | | | | | | | | | | |

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| | A al al us to t | Stream | Τ | | | | | | | | | | | |
|----|-----------------|-----------|---|------|-----|------|------|-------|------|----------|----------|-----|-----|-------|
| | Address | oucam | + | | | | Perc | entag | e/No | o. of Ba | ags | | | |
| | | Garbage | | None | ļ Ø | Full | | 75% | | 50% | | 25% | | Empty |
| 2 | Cherry Pt | Compost | | None | | Full | | 75% | | 50% | A | 25% | | Empty |
| | | Recycling | Þ | None | | | | | | | | | - I | |
| | | Garbage | | None | 10 | Full | × | 75% | | 50% | | 25% | | Empty |
| 5 | Cherry Pt | Compost | | None | | Full | | 75% | | 50% | R | 25% | | Empty |
| | | Recycling | | None | | TH. | 1 | | | | 1 | | | |
| | | Garbage | | None | X | Full | | 75% | | 50% | | 25% | | Empty |
| 6 | Cherry Pt | Compost | | None | | Full | | 75% | | 50% | R | 25% | | Empty |
| | | Recycling | | None | 2 | 7 | | | | | | | 1 | |
| | | Garbage | | None | | Full | | 75% | X | 50% | | 25% | | Empty |
| 9 | Cherry Pt | Compost | | None | | Full | | 75% | | 50% | R | 25% | | Empty |
| | | Recycling | X | None | | | | | | | | | I | |
| | | Garbage | | None | X | Full | | 75% | | 50% | | 25% | | Empty |
| 10 | Cherry Pt | Compost | | None | X | Full | | 75% | | 50% | | 25% | | Empty |
| | | Recycling | × | None | | | | | | | | | | |
| | | Garbage | | None | | Full | × | 75% | | 50% | | 25% | | Empty |
| 13 | Cherry Pt | Compost | | None | | Full | ٥ | 75% | | 50% | × | 25% | | Empty |
| | | Recycling | | None | 2 | _ | | | | | | | | |
| | | Garbage | | None | X | Full | | 75% | | 50% | | 25% | | Empty |
| 14 | Cherry Pt | Compost | | None | | Full | × | 75% | ٦ | 50% | | 25% | | Empty |
| | | Recycling | | None | 2 | | | | | | | | | |
| | | Garbage | | None | | Full | ٥ | 75% | X | 50% | | 25% | | Empty |
| 17 | Cherry Pt | Compost | | None | | Full | | 75% | | 50% | A | 25% | | Empty |
| | | Recycling | | None | 2 | - | | | | | | 1 | | |

| | Address | Stream | | | | F | Perc | entage | e/No | of Ba | ıgs | | | |
|----|---------------|-----------|---|------|---|--------|------|--------|------|-------|-----|-----|-----|-------|
| | | Garbage | | None | | Full | | 75% | Þ. | 50% | | 25% | | Empty |
| 18 | Cherry Pt | Compost | | None | | Full | | 75% | | 50% | R | 25% | | Empty |
| | | Recycling | | None | 1 | 4 | | | | | | | _ | |
| | | Garbage | 0 | None | R | ' Full | | 75% | | 50% | | 25% | | Empty |
| 21 | Cherry Pt | Compost | | None | Ø | Full | | 75% | | 50% | | 25% | | Empty |
| | | Recycling | ٥ | None | 2 | 2 | | | | | | | | |
| | | Garbage | | None | X | Full | | 75% | | 50% | | 25% | | Empty |
| 22 | Cherry Pt | Compost | | None | | Full | | 75% | ম | 50% | | 25% | 0 | Empty |
| | | Recycling | σ | None | 1 | 2 | | | | | | | | |
| | | Garbage | ٦ | None | A | Fuli | | 75% | 0 | 50% | | 25% | | Empty |
| 25 | Cherry Pt | Compost | | None | 0 | Full | | 75% | | 50% | ø | 25% | | Empty |
| | | Recycling | ٥ | None | 1 |) | | | | | | | | |
| | | Garbage | | None | | Full | | 75% | X | 50% | | 25% | | Empty |
| 41 | Cottonwood Cr | Compost | | None | | Full | | 75% | | 50% | X | 25% | | Empty |
| | | Recycling | | None | M | is the | | 5 | | | | | | |
| | | Garbage | | None | Á | Full | σ | 75% | | 50% | | 25% | | Empty |
| 37 | Cottonwood Cr | Compost | | None | | Full | | 75% | X | 50% | ٥ | 25% | | Empty |
| | | Recycling | | None | 1 | | | | | | | | | |
| | | Garbage | | None | × | Full | | 75% | | 50% | | 25% | ٦ | Empty |
| 33 | Cottonwood Cr | Compost | | None | | Full | | 75% | | 50% | 风 | 25% | • | Empty |
| | | Recycling | | None | 4 | | | | | 1 | | | | |
| | | Garbage | | None | X | Full | | 75% | ٦ | 50% | | 25% | | Empty |
| 29 | Cottonwood Cr | Compost | | None | | Full | | 75% | | 50% | × | 25% | ٥ | Empty |
| | | Recycling | × | None | 2 | | | | | | Gu | ERS | 175 | - |

| | Address | Stream | | | | P | erce | entage | /No. | of Ba | ıgs | | | |
|----|---------------|-----------|----|------|----|------|------|--------|----------|-------|-----|-----|---|-------|
| | | Garbage | | None | | Full | | 75% | X | 50% | | 25% | | Empty |
| 25 | Cottonwood Cr | Compost | | None | | Full | M | 75% | | 50% | | 25% | | Empty |
| | | Recycling | σ | None | | | | | | | | | | |
| | | Garbage | | None | | Full | Ŗ | 75% | | 50% | | 25% | | Empty |
| 1 | Caragana Wy | Compost | | None | R | Full | | 75% | | 50% | | 25% | | Empty |
| | | Recycling | o | None | Ý | | | | | | | | | |
| | | Garbage | | None | A | Full | | 75% | | 50% | | 25% | | Empty |
| 3 | Caragana Wy | Compost | | None | X | Full | | 75% | | 50% | | 25% | | Empty |
| | | Recycling | | None | 1 | 3 | | | | | | | | |
| | | Garbage | | None | X | Full | | 75% | | 50% | | 25% | | Empty |
| 5 | Caragana Wy | Compost | | None | | Full | | 75% | 2 | 50% | | 25% | | Empty |
| | | Recycling | ٩ | None | 1 | 3 | | | <i>.</i> | | | | | |
| | | Garbage | | None | 9 | Full | σ | 75% | | 50% | | 25% | | Empty |
| 7 | Caragana Wy | Compost | ٥ | None | 7 | Full | | 75% | | 50% | | 25% | | Empty |
| | | Recycling | 0 | None | 7 | 2 | | | | | | | | |
| | | Garbage | | None | ÌΨ | Full | | 75% | | 50% | | 25% | | Empty |
| 9 | Caragana Wy | Compost | | None | | Full | | 75% | | 50% | ¥ | 25% | ٥ | Empty |
| | | Recycling | X | None | | | | | | | | | | |
| | | Garbage | | None | | Full | | 75% | | 50% | Ì | 25% | | Empty |
| 11 | Caragana Wy | Compost | X | None | | Full | | 75% | | 50% | ۵ | 25% | | Empty |
| | | Recycling | A | None | | | | | | | | | | |
| | - | Garbage | | None | | Full | | 75% | | 50% | | 25% | | Empty |
| 13 | Caragana Wy | Compost | Ì. | None | | Full | | 75% | | 50% | | 25% | | Empty |
| | | Recycling | | None | 1 | | | | | | | | | |

| | Address | Stream | | | | F | Perco | entage | e/No | . of Ba | ags | | | |
|----|-------------|-----------|---|------|---|------|-------|--------|------|---------|-----|-----|---|-------|
| | | Garbage | | None | X | Full | | 75% | | 50% | | 25% | | Empty |
| 15 | Caragana Wy | Compost | | None | | Full | | 75% | X | 50% | | 25% | 0 | Empty |
| | | Recycling | | None | 1 | Z | | | | | | | | |
| | C | Garbage | | None | 0 | Full | | 75% | 1 | 50% | A | 25% | | Empty |
| 17 | Caragana Wy | Compost | | None | | Full | | 75% | | 50% | X | 25% | | Empty |
| | | Recycling | | None | 1 | r i | | | | | 1 | | | |
| | | Garbage | | None | | Full | 1 | 75% | | 50% | | 25% | | Empty |
| 19 | Caragana Wy | Compost | | None | σ | Full | | 75% | | 50% | A | 25% | | Empty |
| | | Recycling | o | None | 1 | | | | | | | | | |
| | | Garbage | | None | | Full | | 75% | | 50% | × | 25% | | Empty |
| 21 | Caragana Wy | Compost | | None | | Full | R | 75% | | 50% | | 25% | | Empty |
| | | Recycling | Ŕ | None | | | | | | | | | | |
| | | Garbage | Ο | None | M | Full | | 75% | | 50% | | 25% | 0 | Empty |
| 23 | Caragana Wy | Compost | | None | σ | Full | | 75% | | 50% | X | 25% | | Empty |
| | | Recycling | | None | 2 | | | | | | | | | |
| | | Garbage | ٦ | None | × | Full | | 75% | | 50% | 'n | 25% | | Empty |
| 1 | Valley CI | Compost | | None | | Full | | 75% | ٥ | 50% | × | 25% | | Empty |
| | | Recycling | σ | None | L | 1 | | | | | | | | |
| | | Garbage | | None | | Full | X | 75% | | 50% | | 25% | | Empty |
| 2 | Valley Cl | Compost | | None | | Full | | 75% | | 50% | × | 25% | | Empty |
| | | Recycling | | None | 2 | _ | | | | | | | | |
| | | Garbage | | None | X | Full | | 75% | | 50% | | 25% | | Empty |
| 3 | Valley Cl | Compost | ٥ | None | | Full | | 75% | | 50% | P | 25% | | Empty |
| | | Recycling | | None | 3 | | | | | | | | | |

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| | Address | Stream | | | | P | erce | entage | e/No | . of Ba | gs | | | |] |
|----|-----------|-----------|------------|------|----------------|------|------|--------|------|---------|-----|-----|---|-------|---|
| | | Garbage | | None | ^r y | Full | | 75% | | 50% | | 25% | 0 | Empty | 1 |
| 4 | Valley Cl | Compost | P O | None | | Full | | 75% | | 50% | | 25% | | Empty | |
| | | Recycling | | None | 2 | | | | | | | | | | |
| | | Garbage | | None | × | Full | | 75% | | 50% | 0 | 25% | | Empty | 1 |
| 5 | Valley Cl | Compost | | None | | Full | | 75% | ¥ | 50% | | 25% | | Empty | 1 |
| | | Recycling | | None | 2 | _ | | | | | | | | | 1 |
| | | Garbage | | None | 0 | Full | R | 75% | | 50% | | 25% | | Empty | 1 |
| 6 | Valley CI | Compost | | None | | Full | | 75% | | 50% | | 25% | X | Empty | 1 |
| | | Recycling | | None | 1 | | | | | | | | | | 1 |
| | | Garbage | | None | | Full | | 75% | | 50% | X | 25% | | Empty | |
| 7 | Valley Cl | Compost | | None | | Full | | 75% | | 50% | ¥ | 25% | | Empty | |
| | | Recycling | X | None | | | | | | | | | | | |
| | | Garbage | | None | à | Full | | 75% | | 50% | | 25% | | Empty | |
| 8 | Valley Ci | Compost | | None | × | Full | | 75% | | 50% | | 25% | ٥ | Empty | |
| | | Recycling | | None | 2 | _ | | | | | | | | | |
| | | Garbage | | None | A | Full | | 75% | | 50% | | 25% | | Empty | |
| 9 | Valley Cl | Compost | | None | | Full | | 75% | | 50% | X | 25% | | Empty | |
| | | Recycling | | None | 2 | - | | | | | | | | | |
| | | Garbage | | None | A | Full | | 75% | | 50% | | 25% | ٥ | Empty | |
| 10 | Valley Cl | Compost | | None | X | Full | | 75% | | 50% | | 25% | | Empty | |
| | | Recycling | | None | Ч | | | | | | | | | | |
| | | Garbage | | None | ٥ | Full | 4 | 75% | | 50% | | 25% | | Empty | |
| 11 | Valley Cl | Compost | | None | | Full | | 75% | | 50% | প্র | 25% | | Empty | |
| | | Recycling | | None | 1 | | | | | | | | | | |

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| | Address | Stream | | | | P | erce | ntage | /No. | of Ba | gs | | | |] |
|----|-----------|-----------|---|------|---|------|------|-------|------|-------|----|-----|---|-------|---|
| | | Garbage | D | None | | Full | X | 75% | | 50% | | 25% | | Empty | 1 |
| 12 | Valley Cl | Compost | | None | X | Full | | 75% | | 50% | | 25% | | Empty | 1 |
| | | Recycling | | None | | 1 | | | | | | | | | 1 |
| | | Garbage | | None | ¥ | Full | | 75% | | 50% | | 25% | | Empty | |
| 14 | Valley Cl | Compost | | None | | Full | â | 75% | | 50% | | 25% | ο | Empty | 6 |
| | | Recycling | | None | 1 | 3 | | | | | | | | | |

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| | | Address | Stream | | | | Pe | erce | ntage/ | 'No. | of Bag | gs | | |
|---|-------|---------------------------------------|-----------|---|------|---|------|------|--------|------|--------|----|-----|-------|
| | | | Garbage | | None | ø | Full | Ó | 75% | ņ | 50% | | 25% | Empty |
| * | 1-15 | Woodsmere Cl | Compost | | None | ٦ | Full | | 75% | | 50% | | 25% | Empty |
| | | | Recycling | | None | 2 | | | | | | | | |
| | | | Garbage | | None | | Full | | 75% | Ø | 50% | ٦ | 25% | Empty |
| * | 3-15 | Woodsmere Cl | Compost | | None | | Full | | 75% | | 50% | | 25% | Empty |
| | | 4 | Recycling | o | None | 2 | | | | | | | | ň |
| | | | Garbage | | None | ø | Full | | 75% | | 50% | | 25% | Empty |
| ¥ | 5-15 | Woodsmere Cl | Compost | σ | None | | Full | ø | 75% | | 50% | | 25% | Empty |
| | | | Recycling | ø | None | | | | | | | | | |
| | | | Garbage | | None | đ | Full | | 75% | | 50% | | 25% | Empty |
| × | 7-15 | Woodsmere Cl | Compost | ø | None | | Full | | 75% | | 50% | | 25% | Empty |
| | | | Recycling | Ø | None | | | | | | | | | |
| | | | Garbage | | None | ø | Full | o | 75% | | 50% | 2 | 25% | Empty |
| Ķ | 9-15 | Woodsmere Cl | Compost | | None | | Full | | 75% | | 50% | Ø | 25% | Empty |
| | | | Recycling | | None | 2 | | | | | | | | |
| | | | Garbage | | None | | Full | | 75% | ø | 50% | | 25% | Empty |
| | 11-15 | Woodsmere Cl | Compost | | None | | Full | | 75% | | 50% | Ø | 25% | Empty |
| | | · · · · · · · · · · · · · · · · · · · | Recycling | Z | None | | | | | | | | | |
| | | | Garbage | | None | | Full | | 75% | 10 | 50% | D | 25% | Empty |
| | 13-15 | Woodsmere Cl | Compost | | None | | Full | | 75% | | 50% | ø | 25% | Empty |
| | | | Recycling | Ø | None | | | | | | | | | |
| | | | Garbage | Ø | None | | Full | | 75% | | 50% | | 25% | Empty |
| | 15-15 | Woodsmere Cl | Compost | Ø | None | | Full | | 75% | | 50% | | 25% | Empty |
| | | | Recycling | 6 | None | | | | | | | | | |

| | Address | Stream | | | | P | erce | ntage | /No. | of Ba | gs | | | |
|-------|---------------|-----------|--------|-----|---|------|------|-------|------|-------|----|-----|---|-------|
| | | Garbage | A None | |] | Full | | 75% | ø | 50% | | 25% | | Empty |
| 17-15 | Woodsmere Cl | Compost | 🛛 None | • | 3 | Full | | 75% | | 50% | | 25% | | Empty |
| | | Recycling | 🗆 None | • | t | | | | | | | | | |
| | | Garbage | 🗆 None | . 2 | 1 | Full | | 75% | | 50% | | 25% | | Empty |
| 19-15 | Woodsmere Cl | Compost | 🗆 None | • | כ | Full | | 75% | Ø | 50% | | 25% | | Empty |
| | | Recycling | 🗖 None | • | | | | | | | | | | |
| | | Garbage | 🔊 None | , [|] | Full | | 75% | | 50% | | 25% | | Empty |
| 21-15 | Woodsmere Cl | Compost | 🗹 None | ; [|] | Full | | 75% | | 50% | | 25% | | Empty |
| | | Recycling | 🔊 None | | | | | | | | | | | |
| | | Garbage | 🗆 None | |) | Full | | 75% | | 50% | | 25% | | Empty |
| 23-15 | Woodsmere Cl | Compost | 💋 None | , [|] | Full | | 75% | | 50% | | 25% | | Empty |
| | | Recycling | 🗖 None |) | _ | | | | | | | | | |
| | | Garbage | 🖉 None | | 3 | Full | | 75% | | 50% | | 25% | | Empty |
| 25-15 | Woodsmere Cl | Compost | 💋 None | |] | Full | | 75% | | 50% | | 25% | | Empty |
| | | Recycling | 🙍 None | | | | | | | | | | | |
| | | Garbage | 🗆 None | . 2 |] | Full | | 75% | | 50% | | 25% | | Empty |
| 27-15 | Woodsmere Cl | Compost | 🛛 None | |] | Full | | 75% | | 50% | ۵ | 25% | | Empty |
| | | Recycling | 🗾 None | | | | | | | | | | | |
| | | Garbage | 🔊 None | | ו | Full | | 75% | ٥ | 50% | | 25% | | Empty |
| 29-15 | Woodsmere Cl | Compost | 对 None | |] | Full | | 75% | | 50% | | 25% | | Empty |
| | | Recycling | 💋 None | | | | | | | | | | | |
| | | Garbage | 💢 None | |] | Full | | 75% | X | 50% | | 25% | | Empty |
| 2 | Wellington Pl | Compost | 🗇 None | |] | Full | | 75% | | 50% | | 25% | X | Empty |
| | | Recycling | X None | | | | | | | | ~ | | | |

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| | | Address | Stream | | | | P | erce | ntage | /No. | of Ba | gs | | | |
|---------------|----|---------------|-----------|-------------|------|---|------|-------------|-------|------|-------|----|-----|---|-------|
| | | | Garbage | | None | X | Full | | 75% | | 50% | | 25% | | Empty |
| × | 4 | Wellington Pl | Compost | Ø | None | | Full | | 75% | | 50% | 0 | 25% | | Empty |
| | | | Recycling | 4 | None | | | | | | | | | | |
| | | | Garbage | | None | | Full | X | 75% | | 50% | | 25% | | Empty |
| * | 6 | Wellington PI | Compost | | None | | Full | | 75% | | 50% | Ì | 25% | | Empty |
| | | | Recycling | X | None | | | | | | | | | | |
| | | | Garbage | | None | × | Full | | 75% | | 50% | | 25% | | Empty |
| ★ | 8 | Wellington Pl | Compost | | None | | Full | | 75% | × | 50% | | 25% | | Empty |
| | | | Recycling | D | None |) | | | ş | | | | | | |
| | | | Garbage | | None | | Full | ک وڑ | 75% | | 50% | | 25% | | Empty |
| ¥ | 2 | Woodhill Ln | Compost | | None | | Full | | 75% | | 50% | 7 | 25% | | Empty |
| | | | Recycling | | None | 2 | | | | | | | | | |
| | | | Garbage | (73) | None | | Fulí | Π | 75% | | 50% | | 25% | | Empty |
| × | 6 | Woodhill Ln | Compost | ¥ | None | | Full | | 75% | | 50% | | 25% | ٥ | Empty |
| | | | Recycling | P | None | | | | | | | | | | |
| | | | Garbage 🏏 | ø | None | | Full | Q | 75% | | 50% | | 25% | | Empty |
| × | 10 | Woodhill Ln | Compost | | None | | Full | | 75% | × | 50% | | 25% | | Empty |
| | | | Recycling | Ø | None | | | | | | | | | | |
| | | | Garbage | P | None | | Full | 1 | 75% | | 50% | | 25% | | Empty |
| × | 14 | Woodhill Ln | Compost | X | None | | Full | | 75% | X | 50% | | 25% | | Empty |
| | | | Recycling | Ŕ | None | | | | | 61 | | | | | |
| | | | Garbage | | None | | Full | ¥ | 75% | | 50% | ٥ | 25% | | Empty |
| \mathcal{F} | 18 | Woodhill Ln | Compost | | None | | Full | | 75% | ٥ | 50% | R) | 25% | | Empty |
| | | | Recycling | | None | 1 | | | | | | | | | |

| | | Address | Stream | | | | Р | erce | entage | /No. | of Ba | gs | | | |
|---|----|-------------|-----------|---|------|---|------|------|--------|------|-------|----|-----|------|--------|
| | | | Garbage | | None | 7 | Full | | 75% | | 50% | | 25% | | Empty |
| Ł | 22 | Woodhill Ln | Compost | | None | | Full | | 75% | R | 50% | | 25% | | Empty |
| | | | Recycling | | None | | | | | | | | | | |
| | | | Garbage | | None | Þ | Full | | 75% | | 50% | | 25% | 0 | Empty |
| | 26 | Woodhill Ln | Compost | | None | | Full | | 75% | \$ | 50% | σ | 25% | | Empty |
| | | | Recycling | | None | | 2 | 63 | A Car | 330 | 3 = | 8 | P | icer | TOCETH |
| | | | Garbage | | None | Ø | Full | | 75% | | 50% | | 25% | | Empty |
| | 30 | Woodhill Ln | Compost | | None | | Full | | 75% | ¥ | 50% | | 25% | | Empty |
| | | | Recycling | | None | S | EE | 2 | -6 | , | | | | | |
| | | | Garbage | | None | ٦ | Full | ø | 75% | | 50% | | 25% | | Empty |
| | 34 | Woodhill Ln | Compost | | None | | Full | | 75% | | 50% | X | 25% | | Empty |
| | | | Recycling | | None | 2 | | | | | | | | | |
| | | | Garbage | | None | | Full | | 75% | | 50% | Ă | 25% | | Empty |
| | 38 | Woodhill Ln | Compost | | None | | Full | | 75% | | 50% | X | 25% | | Empty |
| | | | Recycling | D | None | 2 | | | | | _ | | | | |
| | | | Garbage | D | None | | Full | À | 75% | | 50% | | 25% | × | Empty |
| | 42 | Woodhill Ln | Compost | D | None | | Full | | 75% | | 50% | σ | 25% | | Empty |
| | | | Recycling | | None | 2 | 7 | | | | | | | | |
| | | | Garbage | | None | | Full | | 75% | Ø | 50% | ٥ | 25% | | Empty |
| | 46 | Woodhill Ln | Compost | | None | ٥ | Full | | 75% | | 50% | T | 25% | | Empty |
| | | | Recycling | Ø | None | | | | | | | | | | |
| | | | Garbage | | None | | Full | X | 75% | | 50% | | 25% | | Empty |
| | 50 | Woodhill Ln | Compost | σ | None | | Full | | 75% | P | 50% | | 25% | | Empty |
| | | | Recycling | | None | | 2 | | | | | | | | |

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| | Address | Stream | | | | Ρ | erce | ntage | /No. | of Ba | gs | | | |
|----|-------------|-----------|---|------|------|------|------|-------|------|-------|----|-----|---|-------|
| | | Garbage | | None | Ŕ | Full | | 75% | | 50% | | 25% | | Empty |
| 54 | Woodhill Ln | Compost | | None | α | Full | | 75% | Ŕ | 50% | | 25% | | Empty |
| | | Recycling | | None | 2 | - | | | | | | | | |
| | | Garbage | 0 | None | Ŗ | Full | | 75% | | 50% | | 25% | | Empty |
| 58 | Woodhill Ln | Compost | | None | | Full | 9 | 75% | | 50% | | 25% | | Empty |
| | | Recycling | | None | 1 | | | | | | | | | |
| | | Garbage | | None | ক্ষ্ | Full | | 75% | | 50% | ·□ | 25% | | Empty |
| 62 | Woodhill Ln | Compost | | None | | Full | X | 75% | | 50% | | 25% | | Empty |
| | | Recycling | | None | 3 | i. | | | | | | | | |
| | | Garbage | | None | | Full | þ | 75% | | 50% | | 25% | | Empty |
| 66 | Woodhill Ln | Compost | | None | | Full | | 75% | | 50% | Þ | 25% | | Empty |
| | | Recycling | | None | 1 | | | | | | | | | |
| | | Garbage | | None | | Full | | 75% | | 50% | | 25% | × | Empty |
| 67 | Woodhill Ln | Compost | | None | | Full | | 75% | | 50% | ٥ | 25% | R | Empty |
| | | Recycling | X | None | | | | | | | | | | |
| | | Garbage | | None | Ø | Full | | 75% | | 50% | | 25% | | Empty |
| 70 | Woodhill Ln | Compost | | None | ٥ | Full | 0 | 75% | × | 50% | | 25% | | Empty |
| | | Recycling | σ | None | 2 | > | | | | | | | | |
| | | Garbage | | None | R | Full | | 75% | | 50% | | 25% | | Empty |
| 71 | Woodhill Ln | Compost | | None | A | Full | | 75% | | 50% | | 25% | | Empty |
| | | Recycling | | None | 3 | | | | | | | | | |
| | | Garbage | | None | | Full | | 75% | | 50% | | 25% | | Empty |
| 74 | Woodhill Ln | Compost | | None | | Full | | 75% | | 50% | A | 25% | | Empty |
| | | Recycling | X | None | | | | | | | | | | |

| | | Address | Stream | | | | P | erce | ntage | /No. | of Ba | gs | | | |
|---|----|-------------|-----------|---|------|---|------|------|-------|------|-------|-----|-----|---|-------|
| | | | Garbage | | None | đ | Full | o | 75% | | 50% | | 25% | | Empty |
| | 75 | Woodhill Ln | Compost | ٥ | None | | Full | | 75% | | 50% | Ŗ | 25% | | Empty |
| L | | | Recycling | D | None | 2 | > | | | | | | | | |
| | | | Garbage | ٥ | None | | Full | | 75% | Ø | 50% | | 25% | | Empty |
| | 78 | Woodhill Ln | Compost | | None | | Full | À | 75% | | 50% | | 25% | | Empty |
| | | | Recycling | | None | 5 | | | | | | | | | |
| | | | Garbage | | None | X | Full | | 75% | | 50% | | 25% | | Empty |
| | 79 | Woodhill Ln | Compost | ٥ | None | | Full | | 75% | | 50% | | 25% | | Empty |
| | | | Recycling | a | None | 1 | | | | | | | | | |
| Γ | | | Garbage | | None | Ŕ | Full | | 75% | | 50% | | 25% | | Empty |
| | 82 | Woodhill Ln | Compost | | None | | Full | ø | 75% | | 50% | | 25% | | Empty |
| | | | Recycling | | None | 5 | | | | | | | | | |
| | | | Garbage | | None | À | Full | | 75% | | 50% | ۵ | 25% | | Empty |
| | 83 | Woodhill Ln | Compost | | None | | Full | | 75% | | 50% | | 25% | R | Empty |
| | | | Recycling | | None | 2 | - | | | | | | | | |
| | | | Garbage | | None | | Full | ø | 75% | | 50% | | 25% | | Empty |
| | 86 | Woodhill Ln | Compost | | None | | Full | | 75% | ø | 50% | | 25% | | Empty |
| | | | Recycling | | None | 5 | | | | | | | | | |
| | | | Garbage | | None | 8 | Full | | 75% | | 50% | | 25% | | Empty |
| E | 87 | Woodhill Ln | Compost | | None | 0 | Full | | 75% | ý | 50% | | 25% | | Empty |
| | | | Recycling | | None | 2 | 2 | | | | | 4+i | | | |
| | | | Garbage | | None | × | Full | X | 75% | | 50% | | 25% | | Empty |
| 3 | 90 | Woodhill Ln | Compost | | None | | Full | σ | 75% | | 50% | ¥ | 25% | | Empty |
| 1 | | | Recycling | | None | 1 |) | | | | | | | | |

02 BINS

| | | Address | Stream | | | | P | erce | ntage | /No. | of Ba | gs | | |
|---|----|-------------|-----------|---|------|-----|------|------|-------|------|-------|----|-----|-------|
| | | | Garbage | | None | Ø | Full | | 75% | | 50% | | 25% | Empty |
| X | 91 | Woodhill Ln | Compost | ٥ | None | | Full | | 75% | | 50% | × | 25% | Empty |
| | | | Recycling | | None | V) | 5 | | | | | | | |
| | | | Garbage | | None | | Full | R | 75% | | 50% | | 25% | Empty |
| × | 94 | Woodhill Ln | Compost | | None | Ŕ | Full | | 75% | | 50% | | 25% | Empty |
| | | - | Recycling | | None | 4 | | | | | | | | |

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21-MAY-24

| | Address | Stream | | | | Р | erce | entage | /No. | of Ba | gs | | | |
|----|-----------|---------------------|----|------|---|------|------|--------|------|-------|----|-----|---|-------|
| | | Garbage | | None | | Full | | 75% | | 50% | | 25% | | Empty |
| 1 | Cedar Pt | Compost | Ø | None | | Full | | 75% | | 50% | | 25% | | Empty |
| | | Recycling | | None | | | | | | | | | | |
| | | Garbage | | None | | Full | | 75% | | 50% | | 25% | | Empty |
| 2 | Cedar Pt | Compost | Ŷ | None | | Full | | 75% | | 50% | | 25% | | Empty |
| | | Recycling- | | None | | | | | | | | | | |
| | | Garbage- | σ | None | | Full | | 75% | | 50% | | 25% | | Empty |
| 5 | Cedar Pt | Compost | Ŗ | None | | Full | | 75% | | 50% | | 25% | | Empty |
| | | Recycling | | None | | | | | | | | | | |
| | | Garbage | | None | | Full | | 75% | | 50% | | 25% | | Empty |
| 6 | Cedar Pt | Compost | 70 | None | | Full | | 75% | | 50% | | 25% | ٥ | Empty |
| | | Recycling- | | None | | | | | | | | | | |
| | | Garbage | σ | None | ٥ | Full | | 75% | | 50% | | 25% | | Empty |
| 9 | Cedar Pt | Compost | Ì۹ | None | | Full | | 75% | | 50% | ٥ | 25% | | Empty |
| | | Recycling- | | None | | | | | | | | | | |
| | | G arbage | | None | | Full | | 75% | | 50% | | 25% | | Empty |
| 10 | Cedar Pt | Compost | Ă | None | | Full | | 75% | | 50% | | 25% | | Empty |
| | | Recycling | | None | | | | | | | | | | |
| | | Ga rbage | | None | | Full | | 75% | | 50% | | 25% | | Empty |
| 12 | Cedar Pt | Compost | × | None | | Full | ٥ | 75% | | 50% | | 25% | ٥ | Empty |
| | | Recycling- | | None | | | | | | | | | | |
| | | Garbage- | | None | | Full | | 75% | | 50% | | 25% | | Empty |
| 1 | Cherry Pt | Compost | A | None | | Full | | 75% | | 50% | | 25% | | Empty |
| | | Recycling | | None | | | | | | | | | | |

TUES

| | | Address | Stream | | | | F | Perc | entage | e/No | . of Ba | ags | | | |
|------------|----|-----------|-----------|---|------|---|------|------|--------|------|---------|-----|-----|---|-------|
| | | | Garbage | | None | | Full | | 75% | | 50% | | 25% | 0 | Empty |
| \bigcirc | 2 | Cherry Pt | Compost | × | None | | Full | | 75% | | 50% | | 25% | | Empty |
| | | | Recycling | | None | | | | | | | | | | |
| | | | Garbage | | None | | Full | | 75% | | 50% | | 25% | | Empty |
| | 5 | Cherry Pt | Compost | × | None | | Full | α | 75% | | 50% | | 25% | | Empty |
| | | | Recycling | | None | | | | | | | | | | |
| | | | Garbage | | None | | Full | | 75% | | 50% | | 25% | | Empty |
| (γ) | 6 | Cherry Pt | Compost | × | None | | Fuli | | 75% | | 50% | | 25% | | Empty |
| | | | Recycling | | None | | | | | | | | | | |
| | | | Garbage | | None | | Full | | 75% | | 50% | | 25% | | Empty |
| | 9 | Cherry Pt | Compost | | None | | Full | X | 75% | | 50% | | 25% | | Empty |
| | | | Recycling | | None | | | 1 | | | | | | | |
| | | | Garbage | | None | | Full | | 75% | | 50% | | 25% | | Empty |
| | 10 | Cherry Pt | Compost | X | None | ٥ | Full | D | 75% | | 50% | | 25% | | Empty |
| | | | Recycling | | None | | | | | | | | | | |
| | | | Garbage | | None | | Full | | 75% | | 50% | | 25% | | Empty |
| | 13 | Cherry Pt | Compost | | None | ٥ | Full | | 75% | | 50% | ¥ | 25% | | Empty |
| | | | Recycling | | None | | | | | | | | | | |
| | | | Garbage | | None | | Full | | 75% | | 50% | | 25% | | Empty |
| | 14 | Cherry Pt | Compost | | None | | Full | | 75% | R | 50% | | 25% | | Empty |
| | | | Recycling | a | None | | | | | | | | | | |
| | | | Garbage | | None | | Full | ٥ | 75% | | 50% | | 25% | | Empty |
| | 17 | Cherry Pt | Compost | | None | | Full | | 75% | | 50% | | 25% | × | Empty |
| L | | | Recycling | | None | | | | | | | | | | |

NOT OUT VHEN AUDITED

 $\theta_{i}^{(i)} = \mathbf{y}_{i}^{(i)}$

| | Address | Stream | | | | Р | erc | entage | /No | of Ba | igs | | | |
|----|---------------|-----------|---|------|---|------|-----|--------|-----|-------|-----|-----|---|-------|
| | | Garbage | | None | | Full | | 75% | | 50% | | 25% | | Empty |
| 18 | Cherry Pt | Compost | | None | | Full | | 75% | 1 | 50% | | 25% | | Empty |
| | | Recycling | | None | | | | | | | | | | |
| | | Garbage | | None | | Full | | 75% | 0 | 50% | | 25% | | Empty |
| 21 | Cherry Pt | Compost | | None | | Fuli | | 75% | X | 50% | | 25% | | Empty |
| | | Recycling | | None | | | | | | | | | | |
| | | Garbage | | None | | Full | | 75% | | 50% | | 25% | | Empty |
| 22 | Cherry Pt | Compost | X | None | | Full | | 75% | | 50% | | 25% | | Empty |
| | | Recycling | | None | | | | | | | | | | |
| | | Garbage | | None | | Full | 0 | 75% | σ | 50% | | 25% | | Empty |
| 25 | Cherry Pt | Compost | | None | | Full | | 75% | X | 50% | | 25% | | Empty |
| | | Recycling | | None | - | | | | 1 | | | | | |
| | | Garbage | | None | | Full | | 75% | σ | 50% | | 25% | | Empty |
| 41 | Cottonwood Cr | Compost | X | None | ٥ | Full | | 75% | | 50% | | 25% | σ | Empty |
| | | Recycling | | None | | | | | | | | | | |
| | | Garbage | ο | None | | Full | | 75% | | 50% | ٥ | 25% | ٥ | Empty |
| 37 | Cottonwood Cr | Compost | | None | | Full | | 75% | | 50% | X | 25% | | Empty |
| | | Recycling | σ | None | | | | | | | | | | |
| | | Garbage | | None | | Full | | 75% | | 50% | | 25% | ٥ | Empty |
| 33 | Cottonwood Cr | Compost | A | None | | Full | | 75% | | 50% | | 25% | | Empty |
| | | Recycling | | None | | | | | | | | | | |
| | | Garbage | ٥ | None | | Full | | 75% | 0 | 50% | | 25% | | Empty |
| 29 | Cottonwood Cr | Compost | R | None | | Full | | 75% | | 50% | | 25% | | Empty |
| | | Recycling | | None | | | | | | | | | | |

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| | Address | Stream | | | | Р | erce | entage | /No | . of Ba | gs | | | |] |
|----|---------------|-----------|---|------|---|------|------|--------|-----|---------|----|------|-------------|-------|---|
| | | Garbage | | None | σ | Full | | 75% | | 50% | | 25% | | Empty | 1 |
| 25 | Cottonwood Cr | Compost | X | None | | Full | | 75% | | 50% | | 25% | | Empty | 1 |
| | | Recycling | | None | | | | | | | | | | | 1 |
| | | Garbage | 0 | None | | Full | | 75% | | 50% | | 25% | | Empty | 1 |
| 1 | Caragana Wy | Compost | × | None | | Full | | 75% | | 50% | • | 25% | 0 | Empty | 1 |
| | | Recycling | | None | | | | | 1 | | | | | | 1 |
| | | Garbage | | None | | Full | | 75% | | 50% | | 25% | | Empty | 1 |
| 3 | Caragana Wy | Compost | | None | | Full | Ø | 75% | | 50% | | 25% | | Empty | 1 |
| | | Recycling | | None | | r | 077 | E - P | Acc | APPO | AP | 8 TO | Be | ARBAC | |
| | | Garbage | D | None | | Full | | 75% | | 50% | | 25% | | Empty | |
| 5 | Caragana Wy | Compost | | None | | Full | | 75% | X | 50% | | 25% | | Empty | |
| | | Recycling | | None | | | | | | 0 | | | | | |
| | | Garbage | | None | | Full | | 75% | | 50% | | 25% | | Empty | |
| 7 | Caragana Wy | Compost | X | None | | Full | | 75% | | 50% | | 25% | | Empty | |
| | | Recycling | | None | | | | | | | | | | | |
| | | Garbage | | None | | Full | | 75% | | 50% | | 25% | | Empty | |
| 9 | Caragana Wy | Compost | × | None | | Full | | 75% | | 50% | | 25% | | Empty | |
| | | Recycling | | None | | | | - | | | | | | | |
| | | Garbage | | None | | Full | | 75% | | 50% | | 25% | | Empty | |
| 11 | Caragana Wy | Compost | × | None | | Full | | 75% | | 50% | | 25% | | Empty | |
| | | Recycling | | None | | | | | | | | | | | |
| | | Garbage | | None | | Full | | 75% | | 50% | | 25% | | Empty | |
| 13 | Caragana Wy | Compost | V | None | | Full | | 75% | | 50% | | 25% | | Empty | |
| | | Recycling | | None | | | | | | | | | 3 ····· Bio | | |

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| | | Address | | Stream | n | | | | | | | | | | | | | _ | | | | _ |
|---|-----|---------------|------|----------|------|------------|------|---|----------|----------|-----|-----|------|------------|--------|---------|------|-----|-----|-----|-------|----|
| | | | | Garba | ge | | None | | | E. | Pe | erc | enta | ge/ | No. | of E | Bags | | | | | |
| | | 15 Caragana | Wy | Compo | ost | | None | | | | | - | 75 | % | | 50% | 6 [|] 2 | 5% | | Emp | ty |
| | | | | Recycl | ing | | None | | <u> </u> | 1 4 | | | 75 | % | | 50% | | 2 | 5% | | Emp | y |
| | | | | Garbag | e | | None | + | | C | T | _ | 750 | | _ | | 1 | | _ | | | |
| | | 17 Caragana \ | ٧y | Compo | st | | None | + | | Eur | + | | 75% | 6 | | 50% | | 25 | % | | Empt | y |
| | | | ļ | Recyclin | ng | | Vone | + | | Fui | | | 75% | 6 | | 50% | | 25 | % | | Empty | 7 |
| | | | | Garbag | e li | | | + | - | | Т | | | - | | | | | | | | 1 |
| | 1 | 9 Caragana W | ly c | Compos | t | | | + | | Full | 1 | | 75% | | | 50% | | 259 | % | | Empty | 1 |
| | | | | Recyclin | | × 1 × 1 | | + | J | Full | |] | 75% | |] (| 50% | D | 25% | 6 | | Empty | 1 |
| | | | G | arbage | | | lone | + | | | 1 | | _ | - | | | | | | | | 1 |
| | 21 | Caragana W | | | | и и и | one | | J F | -ull | |] | 75% | | J 5 | 0% | ٥ | 25% | 6 [| JE | mpty | |
| | | • | | ecveline | | | one | |] F | Full | | 7 | 75% | | 5 | 0% | 0 | 25% | | JE | mpty | |
| | | | | | | | one | | | _ | | | | | | | | | | | | |
| | 23 | Caragana W/ | | | | No | one | | F | ull | | 7 | 5% | 0 | 50 |)% | 0: | 25% | | E | mpty | |
| | | and guild vy | | | 7 |) No | one | | F | ull | ٥ | 7 | 5% | ٥ | 50 |)% | | 25% | 0 | Er | npty | |
| - | - | | Re | cycling | | No | ne | | | | | | | | | | | | 1 | | | |
| , | 1 | Valley O | Ga | rbage | | No | ne | ٥ | Fu | 111 | ۵ | 75 | 5% | | 50 | % [| J 2 | 5% | 0 | En | vtar | |
| • | | valley Cl | Co | mpost | X | Nor | ne | ۵ | Fu | ill | ٥ | 75 | 5% | 0 | 50 | % [| J 2 | 5% | | Em | nty | |
| | | | Red | cycling | | Nor | ne | | | | | | | | | | | | | | ,pty | |
| | 2 | | Gar | rbage | | Non | e | ٦ | Ful | 11 (| 3 | 75 | % [|] | 50% | 6 | 1 25 | 5% | | Em | ntu | |
| | 2 | Valley Cl | Con | npost | ٥ | Non | e | ٥ | Ful | 1 0 | 3 | 75 | % (| 3 | 50% | 6 👿 | 25 | % | | Em | pty | |
| ┢ | | | Rec | ycling | | Non | е | | | | | | | | | | | | | | | |
| | • | _ | Garl | bage | | None | e (| 3 | Full | | ן נ | 75% | 6 |] ; | 50% | | 25 | % | _ | Emm | | |
| | 3 | Valley Cl | Com | post | 7 | None | e [|] | Full | 10 | 17 | 75% | 6 [|] { | 50% | | 250 | | | | oty | |
| L | | | Recy | cling | וכ | None | | | | | | | | | | | | | | =mp | TY | |
| F | ALR | LEADY CO | ירע | EC TED | 0 | υŪ | 10 | P | 115 | 300 | Mr | NUM | Via | <u>+</u> N | 1.01.0 | | | | | | | |
| | | SOF | wP | 1.CH | 6 | リエ | B | A | 35 | | G | | . T | | | · , · ` | -7 | 13 | V | lou | ses, | |

S OF WHICH PUT BAGS GUT.

| | | Address | Stream | | | | | | - | | | | | | | | |
|----|---|-----------|-------------|-----|--------|---|-------|----|-----|-------|-----|--------------|------|-------------|----------|----|-------|
| | | Address | | + | | _ | | Pe | rc | entag | e/N | o. of E | Bags | \$ | | | |
| | | | Garbage | F | J None | | J Fu | | ٥ | 75% | 6 [| J 50% | % [| J 25 | % | | Empty |
| | 4 | Valley Cl | Compost | | None | | J Fu | 11 | | 75% | | į 50% | 6 | J 25 | % | | Empty |
| | | | Recycling | | None | | | | | | | | | | | | |
| | | | Garbage | | None | | J Fu | 11 | | 75% | | J 50% | 6 [| J 25 | % | 0 | Empty |
| | 5 | Valley Cl | Compost | | None | | J Fu | | | 75% | | 50% | 6 0 | 25 | % | | Empty |
| | | | Recycling | 0 | None | | | | | | 1 | | 1/ | | | | Linpy |
| | | | Garbage | 0 | None | | l Ful | | | 75% | | 50% | | 259 | % | | Empty |
| | 6 | Valley Cl | Compost | À | None | | l Ful | | 7 | 75% | | 50% | | 259 | 6 | - | Empty |
| | | | Recycling | | None | T | | | | | I | | | | | | Empty |
| | | | Garbage | | None | | Full | |) | 75% | | 50% | 10 | 25% | 6 5 | | Empty |
| | 7 | Valley CI | Compost | 0 | None | | Full | |] | 75% | | 50% | | 25% | | Y | Empty |
| | | | Recycling | | None | | | | | | | | | | <u> </u> | e | Empty |
| | | | Garbage | | None | | Full | | 3 | 75% | | 50% | | 25% | | | Empty |
| 1 | 8 | Valley Cl | Compost | X | None | 0 | Full | |] | 75% | | 50% | | 25% | | | Empty |
| | | | Recycling | | None | | | 1 | | | | | | | 1 | | mpty |
| | | | Garbage | | None | | Full | | 1 7 | 75% | | 50% | | 25% | | | moto |
| 9 | 9 | Valley Cl | Compost | 0 | None | | Full | 1 | 17 | 75% | | 50% | | 25% | | | mpty |
| | | | Recycling (| 7 | None | | | | | | | | | 2070 | | | impty |
| | | | Garbage | 7 | None | | Full | | 7 | 5% | | 50% | | 25% | | | |
| 1(| C | Valley Cl | Compost | 3 | None | X | Full | 0 | 7 | 5% | | 50% | - | 25% | | - | mpty |
| | | | Recycling |] | None | Α | | | | | | 0070 | | 2070 | | E | mpty |
| | | | Garbage |] | None | | Full | Π | 7 | 5% | | 50% | | 250/ | | | |
| 11 | | Valley Cl | Compost | | None | | Full | | 7 | 5% | | 50% | | 20% | | | mpty |
| | | | Recycling |] [| None | | | | | | | 00 % | * | 20% | | Er | npty |
| | | | | | | | | | | | | | | | | | |

| | Address | Stream | | | | P | erce | entage | /No. | of Ba | gs | | | |
|----|-----------|-----------|---|------|---|------|------|--------|------|-------|----|-----|---|-------|
| | | Garbage | | None | | Full | | 75% | | 50% | | 25% | 0 | Empty |
| 12 | Valley CI | Compost | | None | | Full | 1 | 75% | × | 50% | | 25% | | Empty |
| | | Recycling | | None | | | | | | | | | | |
| | | Garbage | | None | ٥ | Full | | 75% | | 50% | | 25% | | Empty |
| 14 | Valley Cl | Compost | × | None | | Full | | 75% | Kal | 50% | | 25% | | Empty |
| | | Recycling | D | None | | | | | | | | | | |

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| | Address | Stream | | | | P | erco | entage | /No | . of Ba | igs | | | |
|-------|--------------|-----------|----------|------|---|------|------|--------|-----|---------|-----|-----|---|-------|
| | | Garbage | | None | | Full | | 75% | | 50% | | 25% | | Empty |
| 1-15 | Woodsmere Cl | Compost | 7 | None | | Full | | 75% | | 50% | | 25% | | Empty |
| | | Recycling | | None | | | | | | | | | | |
| | | Garbage | | None | | Full | | 75% | | 50% | | 25% | | Empty |
| 3-15 | Woodsmere Cl | Compost | × | None | 0 | Full | | 75% | | 50% | | 25% | | Empty |
| | | Recycling | | None | | | | | | | | | | |
| | | Garbage | | None | | Full | | 75% | | 50% | | 25% | | Empty |
| 5-15 | Woodsmere Cl | Compost | 7 | None | | Full | | 75% | | 50% | | 25% | | Empty |
| | | Recycling | | None | | | | | | | | | | |
| | 1 | Garbage | | None | | Full | 0 | 75% | | 50% | | 25% | | Empty |
| 7-15 | Woodsmere Cl | Compost | × | None | | Full | | 75% | | 50% | | 25% | | Empty |
| | | Recycling | Ċ | None | | | | | | | | | | |
| | | Garbage | | None | | Full | | 75% | | 50% | | 25% | | Empty |
| 9-15 | Woodsmere Cl | Compost | | None | | Full | | 75% | | 50% | X | 25% | ۵ | Empty |
| | | Recycling | | None | | | | | | | | | | |
| | | Garbage | | None | ٥ | Full | | 75% | | 50% | | 25% | ٥ | Empty |
| 11-15 | Woodsmere Cl | Compost | × | None | | Full | | 75% | | 50% | Ċ | 25% | | Empty |
| | | Recycling | | None | | | | | | | | | | |
| | | Garbage | | None | | Full | | 75% | | 50% | | 25% | | Empty |
| 13-15 | Woodsmere CI | Compost | Ŕ | None | | Full | Ο | 75% | i. | 50% | | 25% | | Empty |
| | | Recycling | | None | | | | | | | | | | |
| | | Garbage | | None | | Full | | 75% | | 50% | | 25% | | Empty |
| 15-15 | Woodsmere CI | Compost | F | None | | Full | ٥ | 75% | | 50% | | 25% | | Empty |
| | | Recycling | ٦ | None | | | | | | | | | | |

| | Address | Stream | | | | Р | erce | entage | /No. | of Ba | gs | | | |
|-------|---------------|-----------|----|------|---|------|------|--------|------|-------|----|-----|---|-------|
| | | Garbage | | None | | Full | | 75% | 0 | 50% | | 25% | | Empty |
| 17-15 | Woodsmere Cl | Compost | ø | None | | Full | | 75% | | 50% | | 25% | | Empty |
| | | Recycling | | None | | | | | | | | | | |
| | | Garbage | | None | | Full | | 75% | | 50% | | 25% | | Empty |
| 19-15 | Woodsmere Cl | Compost | X | None | | Full | | 75% | | 50% | | 25% | | Empty |
| | | Recycling | | None | | | | | | | | | | |
| | | Garbage | | None | | Full | | 75% | | 50% | | 25% | | Empty |
| 21-15 | Woodsmere Cl | Compost | цį | None | | Full | | 75% | | 50% | | 25% | | Empty |
| | | Recycling | | None | | | | | | | | | | |
| | | Garbage | | None | | Full | | 75% | | 50% | | 25% | | Empty |
| 23-15 | Woodsmere Cl | Compost | R | None | ٦ | Full | | 75% | | 50% | | 25% | 0 | Empty |
| | | Recycling | | None | | | | | | | | | | |
| | | Garbage | | None | ٥ | Full | | 75% | | 50% | | 25% | | Empty |
| 25-15 | Woodsmere Cl | Compost | Ŕ | None | | Full | | 75% | | 50% | | 25% | | Empty |
| | | Recycling | | None | | | | | | | | | | |
| | | Garbage | | None | | Full | | 75% | | 50% | ٥ | 25% | | Empty |
| 27-15 | Woodsmere Cl | Compost | đ | None | | Full | | 75% | | 50% | | 25% | | Empty |
| | | Recycling | | None | | | | | | | | | | |
| | | Garbage | | None | | Full | | 75% | | 50% | | 25% | | Empty |
| 29-15 | Woodsmere Cl | Compost | ъ, | None | | Full | | 75% | | 50% | | 25% | | Empty |
| | | Recycling | | None | | | | | | | | | | |
| | | Garbage | | None | | Full | | 75% | | 50% | | 25% | | Empty |
| 2 | Wellington PI | Compost | × | None | | Full | | 75% | | 50% | | 25% | | Empty |
| | | Recycling | | None | | | | | | | | | | |

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| | Address | Stream | | | | Ρ | erce | entage | /No | of Ba | gs | | |
|----|---------------|-----------|---|------|---|------|------|--------|-----|-------|----|-----|-------|
| | | Garbage | o | None | | Full | | 75% | | 50% | | 25% | Empty |
| 4 | Wellington PI | Compost | Ø | None | | Full | | 75% | | 50% | | 25% | Empty |
| | | Recycling | | None | | | | | | | | | |
| | | Garbage | o | None | | Full | | 75% | | 50% | | 25% | Empty |
| 6 | Wellington PI | Compost | × | None | | Full | | 75% | | 50% | | 25% | Empty |
| | | Recycling | | None | | | | | | | | | |
| | | Garbage | | None | | Full | | 75% | | 50% | | 25% | Empty |
| 8 | Wellington Pl | Compost | Ŕ | None | | Full | | 75% | | 50% | | 25% | Empty |
| | | Recycling | | None | | | | | | | | | |
| | | Garbage | | None | | Full | | 75% | | 50% | | 25% | Empty |
| 2 | Woodhill Ln | Compost | | None | ٥ | Full | | 75% | | 50% | Ŕ | 25% | Empty |
| | | Recycling | | None | | | | | | | | | |
| | | Garbage | | None | | Full | | 75% | | 50% | | 25% | Empty |
| 6 | Woodhill Ln | Compost | ٦ | None | | Full | ¥ | 75% | | 50% | ٥ | 25% | Empty |
| | | Recycling | | None | | | | | | | | | |
| | | Garbage | | None | ٥ | Full | | 75% | ٥ | 50% | | 25% | Empty |
| 10 | Woodhill Ln | Compost | 3 | None | | Full | | 75% | | 50% | | 25% | Empty |
| | | Recycling | 0 | None | | | | | | | | | |
| | | Garbage | | None | ٥ | Full | | 75% | | 50% | | 25% | Empty |
| 14 | Woodhill Ln | Compost | - | None | X | Full | | 75% | | 50% | | 25% | Empty |
| | | Recycling | | None | | | | | | | | | |
| | | Garbage | | None | | Full | | 75% | | 50% | | 25% | Empty |
| 18 | Woodhill Ln | Compost | Å | None | ٥ | Full | | 75% | | 50% | | 25% | Empty |
| | | Recycling | | None | | | | | | | | | |

| | Address | Stream | | | | Р | erce | entage | /No. | of Ba | gs | | |
|----|-------------|-----------|---|------|---|------|------|--------|------|-------|----|-----|-------|
| | | Garbage | | None | | Full | | 75% | | 50% | Ģ | 25% | Empty |
| 22 | Woodhill Ln | Compost | | None | | Full | X | 75% | | 50% | | 25% | Empty |
| | | Recycling | | None | | | | | | | | | |
| | | Garbage | | None | | Full | | 75% | | 50% | | 25% | Empty |
| 26 | Woodhill Ln | Compost | A | None | | Full | | 75% | | 50% | | 25% | Empty |
| | | Recycling | | None | | | | | | | | | |
| | | Garbage | | None | | Full | | 75% | | 50% | | 25% | Empty |
| 30 | Woodhill Ln | Compost | X | None | | Full | | 75% | | 50% | | 25% | Empty |
| | | Recycling | | None | | | | | | | | | |
| | | Garbage | | None | | Full | | 75% | | 50% | | 25% | Empty |
| 34 | Woodhill Ln | Compost | X | None | | Full | | 75% | | 50% | | 25% | Empty |
| | | Recycling | | None | | | | | | | | | |
| | | Garbage | | None | | Full | | 75% | | 50% | | 25% | Empty |
| 38 | Woodhill Ln | Compost | X | None | | Full | | 75% | | 50% | | 25% | Empty |
| | | Recycling | | None | | | | | | | | | |
| | | Garbage | | None | | Full | | 75% | | 50% | | 25% | Empty |
| 42 | Woodhill Ln | Compost | R | None | ٥ | Full | | 75% | | 50% | ۵ | 25% | Empty |
| | | Recycling | | None | | | | | | | | | |
| | × | Garbage | | None | | Full | | 75% | | 50% | | 25% | Empty |
| 46 | Woodhill Ln | Compost | N | None | | Full | | 75% | | 50% | | 25% | Empty |
| | | Recycling | | None | | | | | | | | | |
| | | Garbage | | None | | Full | | 75% | | 50% | | 25% | Empty |
| 50 | Woodhill Ln | Compost | | None | | Full | | 75% | Å | 50% | | 25% | Empty |
| | | Recycling | | None | | | | | 1 | | | | |

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| | Address | Stream | | | | Ρ | erce | entage | /No. | of Ba | gs | | | |
|----|-------------|-----------|----|------|---|------|------|--------|------|-------|----|-----|---|-------|
| | | Garbage | | None | | Full | | 75% | | 50% | | 25% | | Empty |
| 54 | Woodhill Ln | Compost | × | None | | Full | | 75% | | 50% | | 25% | 0 | Empty |
| | | Recycling | | None | | | | | | | | | | |
| | | Garbage | | None | | Full | | 75% | | 50% | | 25% | | Empty |
| 58 | Woodhill Ln | Compost | 文 | None | | Full | | 75% | | 50% | | 25% | | Empty |
| | | Recycling | | None | | | | | | | | | | |
| | | Garbage | | None | | Full | | 75% | | 50% | | 25% | | Empty |
| 62 | Woodhill Ln | Compost | | None | | Full | | 75% | × | 50% | | 25% | | Empty |
| | | Recycling | | None | | | | | | | | | | |
| | | Garbage | | None | | Full | | 75% | | 50% | | 25% | | Empty |
| 66 | Woodhill Ln | Compost | | None | | Full | | 75% | | 50% | × | 25% | | Empty |
| > | | Recycling | | None | | | | | | | | | | |
| | | Garbage | | None | | Full | | 75% | | 50% | | 25% | | Empty |
| 67 | Woodhill Ln | Compost | × | None | | Full | | 75% | | 50% | | 25% | | Empty |
| | | Recycling | | None | | | | | | | | | | |
| | | Garbage | | None | | Full | | 75% | | 50% | | 25% | | Empty |
| 70 | Woodhill Ln | Compost | X | None | | Full | | 75% | | 50% | | 25% | | Empty |
| | | Recycling | | None | | | | | | | | | | |
| | | Garbage | | None | | Full | | 75% | | 50% | | 25% | | Empty |
| 71 | Woodhill Ln | Compost | σ | None | ď | Full | | 75% | | 50% | | 25% | | Empty |
| | | Recycling | | None | | | | | | | | | | |
| | | Garbage | | None | | Full | | 75% | | 50% | | 25% | | Empty |
| 74 | Woodhill Ln | Compost | ¢. | None | | Full | | 75% | | 50% | | 25% | | Empty |
| | | Recycling | | None | | | | | | | | | | |

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| | Address | Stream | | | P | erce | entage | /No. | of Ba | gs | | | |
|----|-------------|-----------|------------|------|------|------|--------|------|-------|-----|-----|---|-------|
| | | Garbage | | None | Full | | 75% | | 50% | | 25% | | Empty |
| 75 | Woodhill Ln | Compost | À | None | Full | | 75% | | 50% | | 25% | | Empty |
| | | Recycling | | None | | | | | | | | | |
| | | Garbage | | None | Full | | 75% | 0 | 50% | | 25% | | Empty |
| 78 | Woodhill Ln | Compost | | None | Full | | 75% | | 50% | (A) | 25% | | Empty |
| | | Recycling | | None | | | | | | | | | |
| | | Garbage | | None | Full | | 75% | | 50% | | 25% | | Empty |
| 79 | Woodhill Ln | Compost | × | None | Full | | 75% | | 50% | | 25% | | Empty |
| | | Recycling | | None | | | | | | | | | |
| | | Garbage | | None | Full | | 75% | | 50% | | 25% | 0 | Empty |
| 82 | Woodhill Ln | Compost | A | None | Fuli | | 75% | | 50% | | 25% | | Empty |
| | | Recycling | | None | | | | | | | | | |
| | | Garbage | σ | None | Full | | 75% | ٥ | 50% | | 25% | | Empty |
| 83 | Woodhill Ln | Compost | M) | None | Full | | 75% | | 50% | | 25% | | Empty |
| | | Recycling | O | None | | | | | | | | | |
| | | Garbage | | None | Full | | 75% | | 50% | | 25% | | Empty |
| 86 | Woodhill Ln | Compost | X | None | Full | | 75% | | 50% | | 25% | | Empty |
| | | Recycling | | None | | | | | | | | | |
| | | Garbage | | None | Full | | 75% | | 50% | | 25% | | Empty |
| 87 | Woodhill Ln | Compost | | None | Full | | 75% | 0 | 50% | ¥ | 25% | | Empty |
| | | Recycling | | None | | | | | | | | | |
| | | Garbage | | None | Full | | 75% | | 50% | | 25% | | Empty |
| 90 | Woodhill Ln | Compost | ٥ | None | Full | | 75% | | 50% | A | 25% | | Empty |
| | | Recycling | | None | | | | | | | | | |

| | Address | Stream | | | Р | erce | ntage | /No. | of Ba | gs | | |
|----|-------------|-----------|-------|------|------|------|-------|------|-------|----|-----|-------|
| | | Garbage | 🗆 Nor | ne 🗖 | Full | | 75% | | 50% | | 25% | Empty |
| 91 | Woodhill Ln | Compost | 🗆 Nor | ne 🗖 | Full | | 75% | | 50% | R | 25% | Empty |
| | | Recycling | 🗆 Nor | ne | | | | | | | | |
| | | Garbage | 🗆 Nor | ne 🗖 | Full | | 75% | | 50% | | 25% | Empty |
| 94 | Woodhill Ln | Compost | Nor | ne 🗖 | Full | | 75% | 0 | 50% | | 25% | Empty |
| | | Recycling | 🗖 Nor | ne | | | | | | | | |

Appendix F – Weight Field Data Sheets

| | | | | DRGANIC STREAM | | | | | | | | |
|---------------------|-------|--------|------------|---------------------------------------|-------|----------|-------|-------|-------|-------|-------|--|
| Compostable kg | 64 | ĝą. | kg | ð | 5 | a | 5 | 5 | 5 | 5 | | |
| Yard & Ģarden | | | | | | | | Ru. | 4 | 2 | R. | |
| Food Waste | | | | | | | | | | | | |
| Animal Waste | | | 92 | | | | | | | | | |
| Compostable paper | | | | | | | | | | | | |
| Other Organic Waste | | | | | | | | | | | | |
| Contamination | | | | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | H MARLEY | | | | | | |
| Other Waste | | | | | ~ | | | | | | | |
| curdbourd/boy 6.395 | 1,490 | 2.260 | A Children | 6.115 | 2.030 | 2.005 | 2.565 | 1.955 | 1.550 | 4.540 | 1.66 | |
| Cardboard Lox | 3.170 | 2.020 | 6.765 | 3.435 | 2.065 | 1.160 | 4.085 | 1.750 | 2.490 | 1.620 | 2.460 | |
| Carlbord Boy | 0.855 | 1.0 65 | 9-410 | 2.10 | 549.1 | | | | | | | |

| The second se | the local sector | | REC | YCLING STREAM | | No. | | | | | 5 | |
|---|------------------|------------|-------|---------------|-------|--|-------|---------|-------|-------|-------|--------|
| ecycling | Kg | kg kg | ka | 8 | - | | | | | | | |
| lixed Paper 🚕 | Z 306 7 | 595 | | | Ru | βy | Ŋ | kg | kg | kg | kg | |
| lewsprint, Magazines, Flyers 🦼 | b 58.1 | 195 | | | | | | | | | | |
| ardboard | 24/5 2 | 205 3 495 | 4.090 | 5012 | 1000 | 2 | 2 | 2 | | | | , |
| exible Plastic | 4.025 3 | 680 2771 | | (مار.) | 2010 | 2.772 | Q-465 | 11. 830 | 1.985 | 2.000 | 1.955 | 15.010 |
| gid Plastic | 2325 2 | 020 J. 670 | 351 | | - | | | | | | | |
| eel Cans & Aluminum foil 🛛 🙍 | 1.505 1.2 | 90 1. Ghs | 142 | 1.085 | いるう | | | | | | | |
| ecycling Bags | Ort. V | 00-00 | 1.710 | 1000 | C.107 | | | | | | | |
| sfundables 🦛 | SHSI | | | | | | | | | | | |
| ontamination | | | | | | | | | | | | |
| R Plastic | 1.135 1. | 500 1.025 | | | | 1000 - 10000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1 | | | | | | |
| her Waste and fill | 7.175 3 | 515 6.515 | 6.315 | 2.100 | | | | | | | | |
| ass Food Containers | 3.113 1.0 | Õ, | | | | | | | | | | |
| ntaminated Recycling | 1.71 0.0 | MO 02.50 | : | | | | | | | | | |
| | | | | | | | | | | | | |
| Papel | 2.000 2. | 125 0.315 | | | | | | | | | | |
| mpostable paper 🔶 | 1,730 A.S | 45 1540 | 1.455 | 282 | 185 | | | | | | | |
| ntainers Filled with Food 🔹 🚺 | 52 | | | 202 | | | | | | | | |
| Metal | | | | | | | | | | | | |
| ffee Cups | (1757) | | | | | | | | | | | |
| | | | | | | | | | | | | |
| W Other | | | | | | | | | | | | |

| Date May 14 | 1023 | | Flix | 1/astic | CI CI | ang hell | ~` | | | | Ind 1 |
|------------------------------------|--------|---------|---------------|--------------|--------------|-------------|--------|--------|--------|-------------|------------|
| . 0 1 | Q | | 1 XIN | have GA | RBAGE STREAM | Clure S. | | | | | |
| Compostable | 63 | kg | kg | kg | , Kg | kg | kg | kg | kg | kg | kg. |
| Edible Food Waste | 4150 | 217 | 1 | | | | | | | | |
| Compostable Paper | 2001 | 5 | 7.645 | | | | | | | | |
| Containers Filled with Food | 5020 | 11 1025 | 041.5 | 19 555 | 2201 | (201) | 14 820 | 10 940 | F. 150 | 2 120 | |
| Other Organic Waste | . 612 | 4 7071 | Alas I | \$ u1 | 2.10 | 00000 | 1111 | | -11.4 | 4020 | |
| Animal Waste: Compostable Bag/ Loo | ose | 1.000 | | act he | | | | | | | |
| Page Waste | | | | | | | | | | | |
| Recycling | | | MILL COL | 1.11 | | | | | | 11, 21, 21, | |
| Newsprint, Magazines, Flyers | 528 | | | | da | | | | | | |
| Mixed Paper | 561 | | | | | | | | | | |
| Cardboard / box | .900 | | | - | | | | | | | |
| Flexible Plastic | 551.5 | .775 | 2.530 | | | | | | | | |
| Refundables | L.H35 | | | | | | | | | | |
| Rigid Plastic | 5412 | | | | • | | | | | | |
| Steel Cans & Aluminum foil | 1.600 | 5067 | 5.77 | | | | | | | | |
| Landfill | | | | | No. No. No. | North Color | A West | | at my | | The second |
| Other Waste | ONES | 7.975 | <i>d:81</i> 5 | | | | | | | | |
| NR Glass & Ceramics, | 519 4 | 6850 | | | | | | | | | |
| NR Metal | , Tab | | | 0 . ~ | | | | | | | |
| NR Paper | 5471 | 1-222 | 538.1 | | | | | | | | |
| NR Plastic | 2315 | 1.220 | 3.310 | 1.370 | 1.955 | 1.990 | | | | | |
| Animal Waste: Plastic Bag | 5745 | | č | 1 | | 1.1.1 | | | | | |
| Hygiene/Diapers/Pet Pads | 2603 | 5. 125 | 5.075 | 4.905 | 1.330 | | | | | | |
| Construction & Demolition | 2020 | 6 | | | 5 | | | | | | |
| Coffee Cups | 05t7 | | | | | | | | | | |
| Transfer Site | | | - 11 - 11 | | | | 1.44.1 | LINE - | | | |
| Clothing and Footwear | 7,570 | | | | | | | | | | |
| E-Waste | 2.3 (5 | 3,490 | | | | | | | | | |
| HHW Other | 0.260 | | | | | | | | | | |
| Household | | | | | | | | | | | |
| Textile Other | 0.980 | | | | | | | | | | |
| Donatable Items | 9. 805 | | | | | | | | | | |
| | | | | | | | | | | | |

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| Completed 12: | 43 | Coche | the She | 2 min | dr. | gron a | Beer M | the flood | | | | |
|----------------------------------|--------|--------|--------------|------------|---------------|--|--------|-----------|-------|----|----|----|
| Mis 14/2 | ng | Styre | | (| | | | | | | | |
| 0 | | | | GA | ARBAGE STREAM | | | | | | | |
| Compostable | kg | Ŕ | kg | kg | Кg | kg | kg | kg | kg | kg | kg | 63 |
| Edible Food Waste | 3.360 | | | | | | | | | | | |
| Inedible Food Waste | 4.185 | | | | | | | | | | | |
| Compostable Paper | 1.500 | 3.620 | 5601 | | | | | | | | | |
| Containers Filled with Food | 0,650 | 088 '9 | | | | | | | | | | |
| Other Organic Waste | | | | | | | | | | | | |
| Animal Waste: Compostable Bag/ | | | | | | | | | | | | |
| Factoria | | | | | | | | | | | | |
| Recycling | | | | | | | | | 1.71. | | | |
| Newsprint, Magazines, Flyers 🍃 🖌 | 255.0 | | | | | | | | | | | |
| Mixed Paper | 0.165 | | | | | | | | | | | |
| Cardboard | 1,760 | | | | | | | | | | | |
| Flexible Plastic | 5.510- | 2,453 | | | | | | | | | | |
| Refundables | 3.250 | | 2 | | | | | | | | | |
| Rigid Plastic | 2000 | 3040 | 2.790 | 05 8 20 | | | | | | | | |
| Steel Cans & Aluminum foil | 077 1 | | | | | | | | | | | |
| Landfill | 1010 | | | | N.C. Scott | and a state of the | | | | | | |
| | 1.040 | 1.100 | | | | | | | | | | |
| NR Metal | 21010 | | | | | | | | | | | |
| NR Paper | 575 | | | | | | | | | | | |
| NR Plastic | 2.565 | | | | | | | | | | | |
| Animal Waste: Plastic Bag 🔑 V | | | | | | | | | | | | |
| Hygiene/Diapers/Pet Pads | 1.295 | | | | | | | | | | | |
| Construction & Demolition | 5,710 | | | | | | | | | | | |
| Coffee Cups | 1.270 | | | | | | | | | | | |
| Transfer Site | | | S. S. Martin | - allion & | | 10 10 10 10 10 10 10 10 10 10 10 10 10 1 | | | | | | |
| Clothing and Footwear | 3.250 | | | | | | | | | | | |
| E-Waste | Q | | | | | | | | | | | |
| HHW Other | 4.160 | 5-260 | | | | | | | | | | |
| Household | | 22 | | | | | | | | | | |
| Textile Other | 3.325 | | | | | | | | | | | |
| Donatable Items | 0-1-10 | 0.820 | | | | | | | | | | |
| Towels | | | | | | | | | 0 | | | |
| YARA +GAUJIN | 5 001 | | | | | | | | | | | |
| | | | | | | | | | | | | |

| Date |
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| 24 |
| |

| | | | | REC | YCLING STREAM | | | | | | | |
|------------------------------|----|----|----|-----|---------------|----|----|------|----|----|----|----|
| Recycling | kg | kg | kg | ξġ | 5 | 63 | kg | kg | kg | kg | kg | kg |
| Mixed Paper | | | | | | | | | | | | |
| Newsprint, Magazines, Flyers | | | | | | | | | | | | |
| Cardboard | | | | | | | | | | | | |
| Flexible Plastic | | | | | | | | | | | | |
| Rigid Plastic | | | | | | | | | | | | |
| Steel Cans & Aluminum foil | | | | | | | | | | | | |
| Recycling Bags | | | | | | | | | | | | |
| Refundables | | | | | | | | | | | | |
| Contamination | | | | | | | | | | | | |
| NR Plastic | | | | | x | | 8 | | | | | |
| Other Waste | | | | | | | | | | | | |
| Glass Food Containers | | | | | | | | | | | | |
| Contaminated Recycling | | | | | | | | | | | | |
| Film | | | | | | | | 2 | | | | |
| NR Paper | | | | 1 | | | | 1999 | | | | |
| Compostable paper | | | | 1 | | | | | | | | |
| Containers Filled with Food | | | | | | | | | | | | |
| NR Metal | | | | | | | | | | | | |
| Coffee Cups | | | | | | | 3 | | | | | |
| Other | | | | | | | | | | | | |
| HHW Other | | | | | | | | | | | | |

| | | | | 0 | DRGANIC STREAM | | | | | | | |
|---------------------|--------|---------|--------|---------|----------------|---------|--------|--------|--------|--------|-------|----------------|
| Compostable | by | ξ. | ĸ | ð | 6 | D3 | Кg | 10 | Ę3 | 10 | ۵۹ | B _N |
| Yard & Garden | 14.195 | 7.240 | 6.310 | 2110 | 4.155 | 10.040 | 15.180 | 048-81 | 000 b1 | 2010 | 528 | 11,700 |
| Food Waste | 22.445 | 32, 420 | 10.165 | 04.7 BC | 28.165 | 18-260 | 16.040 | 20-345 | 6.800 | | | |
| Animal Waste | - 15 | | | | | | | | | | | |
| Compostable paper | 2,780 | 56t1 | 69 | 2:505 | 3.265 | 2.205 | 2.700 | 1.735 | 3655 | 1.615 | 1.700 | 0201 |
| Other Organic Waste | 2.505 | | | | ç | | | | | | | |
| Contamination | | | | | | | | | | 1 | | |
| Other Waste | 27641 | 15.545 | 50t 7t | 11.525 | | | | | | | | |
| ypan wosk | 10.380 | 12.955 | 011-8 | 11.445 | alt: b | lq_ 432 | 72425 | 17.92 | 9.842 | 11.310 | 020.9 | 13660 |
| MAD | (2.225 | 21,395 | NOS I | 4.025 | | | | | | | | |
| | | 1 | 10.135 | | | - | | | | | | - |

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|------------------------------|-----------------|-------------|-------------|---------------|------------|---|-----------------------|---|---------------------|---------------|-------------------------|---------------------|-----------------------|
| May 15 | 101 | / | | | | | | | | | | | |
| 0 | | | | | RECYCLING | STREAM | 「な」「 | None Des | | Non-Angel | | | |
| Recycling | 5 | 64 | Ng I | 3 | đ | đ | 10 | Kg | м | RN | 0M | 634 | EN. |
| Mixed Paper | HAR . | F.T.S | 1.640 | | | | | | | | | | |
| Newsprint, Magazines, Flyers | 6.730 | 7.955 | 12860 | | | | | | | | | | |
| Cardboard | 4445 | 3:470 | 1015 | 1.325 | 1.565 | 1110 | 1.400 | | | | | |] |
| Cardboard | 3.615 | 2440 | 1.545 | 1.955 | 7.325 | 1,910 | 4,165 | 525 t | 1190 | 2.040 | 3.465 | 1.600 | 7.500 |
| Cardboard | 1.865 | 2.980 | 1.560 | 1.965 | 2.015 | 1.910 | (,110 | 1750 | 3.010 | 2.715 | 1,460 | 2.490 | 1.760 |
| Cardboard | | | | | | | () | | | | | | |
| Flexible Plastic | 3.060 | 2.975 | 5811 | | | | | | | | | | |
| Rigid Plastic | 2.115 | 1,195 | SOLC | (400 | 0.265 | | | | | | | | |
| Steel Cans & Aluminum foil | 0.200 | [.05] | Suv) | (~175 | 021.0 | | | | | | | | |
| Recycling Bags | Varianti - anno | | | I | 0 | 5 | | 1 | | | | | |
| Refundables | [.115 | | | | | | | | | | | | |
| Contembration | | | | Sector Sector | | 2 | 1 | A DAMAGE | | No. Solda | Carlos Contractor | anal and the second | ALL LAND |
| NR Plastic · | 1.660 | 2.630 | 0.680 | | | | | | ŗ | | 3 | | |
| Other Waste | 7 | | | | | | | | | | | | |
| Glass Food Containers | 2.590 | | | | | | | | | | | | |
| Contaminated Recycling | 051 | 51 21 | 5212 | | | | | | | | | | |
| Film | | | | | 1 | | | | | | | | |
| NR Paper | 1,495 | | | | | | | | | | | | |
| Compostable paper | 1.340 | 6.150 | 0.750 | 1.435 | 1.150 | 2,585 | Sho '0 | | | | | -10 | |
| Containers Filled with Food | \$ \$ 30 | | | | | | | | | | | | |
| NR Metal | 4 | \$ | | | | | | | | | | | |
| Coffee Cups | 582. | I | | | | | | | | | | | |
| Other | | | | | | | | | | | | | |
| HI W Other | 1,495 | | | | | | | | | | | | |
| Shridded Paper | 8.430 | 2. 875 | | | | | | | | | | | |
| 1 | | | | | ORGANIC ST | FREAM | | | | | | | |
| Compostable | 5 | NG B | Ng | an ter or n | NO NO | DN. | No. | ĥ | E | N | 24 | 8 | 10 |
| Yard & Garden | | | | | | | | | | | | | |
| Food Waste | | | | | | | | | | | | | |
| Animal Waste | | | | | 1 | | | | | | | | |
| Compostable paper | 0,0 | | | | | | | 1 | | | | | |
| Other Organic Waste | | | ac a Minute | | | Control of | - | and a surface of the | Marine and | | | | |
| Contamination | | Tax and the | | | | outs with the allow | the shift was the sid | | and a second second | Production of | - NAME OF TAXABLE PARTY | 61 1 S. M. | and the second second |
| Other Waste | 1.615 | | | | | | | | | | | | |
| Blue Bags | 1-195 | | | | | | | | | | | | |
| | | | | | | | | | | | | | |

| Compostable kg |
|--|
| Compostable kg kg kg kg kg kg kg Edible Food Waste - - 3,1000 - |
| Edible Food Waste |
| |
| Inedible Food Waste V 7.480 |
| Compostable Paper ~ 1.445 2.375 1.710 2.080 3.440 0.160 |
| Containers Filled with Food ~ 3.320 3,060 4,305 4,670 3,665 5,050 1,700 3,545 4,510 5. |
| Other Organic Waste V 410 4790 |
| Animal Waste: Compostable Bag/ Look 1, 520 6, 525 7, 635 4.640 8, 600 1,035 |
| Food Waste |
| Recycling |
| Newsprint, Magazines, Flyers V 0, 400 |
| Mixed Paper 2240 |
| Cardboard V 3,4120 ,085 |
| Flexible Plastic 2, 180 8.360 2.10 |
| Refundables V g 1.315 |
| Rigid Plastic 1,155 [.460 |
| Steel Cans & Aluminum foil 💉 🧏 1.0 , -(.65 |
| Landfill |
| Other Waste V 4.510 6.170 0.600 4.735 |
| NR Glass & Ceramics 4, 200 1, 355 |
| NR metal |
| |
| NR Restic V 2.54 2.970 1.260 1.260 1.260 1.353 1.253 1 |
| Hygiene/Diapers/Pet Pads v 16,370 6=110 3,400 ,050 |
| Construction & Demolition / 11, 8,85, 405 |
| Transfer Site |
| Clothing and Footwear |
| E-Waste 2,880 |
| HHW Other |
| Household |
| Stextile Other 3,780 |
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| Date May 15 | 1224 | N. N. | A. | | | | | | | | | 2 |
|------------------------------|------|-------|------|------|---------------|----|----|----|------------|----------|----|------|
| 0 | | | - | REC | YCLING STREAM | | | | 1 1 1 1 1 | | | |
| Recycling | 6) | Кg | EN . | kg | Ng * | kg | kg | kg | kg | λg | kg | kg |
| Mixed Paper | | | | 1.40 | 10 m | | | | | | | |
| Newsprint, Magazines, Flyers | | | | | | | | | | | | |
| Cardboard | | | | | | | | | | | | |
| Flexible Plastic | | | | | | | | | | | | |
| Rigid Plastic | | | | | | | | | | | | |
| Steel Cans & Aluminum foil | | | | | | | | | | | | |
| Recycling Bags | | | | | | | | | | | | |
| Refundables | | | | | | | | | 14 C | | | |
| Contamination | | | | | | | | | N. Carrier | | | 3 |
| NR Plastic | | | | | | | | | | | | |
| Other Waste | | | | | | | | | | | | |
| Glass Food Containers | | | | | | | | | | | | |
| Contaminated Recycling | | | | | | | | | | 4 | | |
| Film | | | | | | h | | | | | | |
| NR Paper | | | | | | | | | | | | |
| Compostable paper | | | | | | | | | | | | |
| Containers Filled with Food | | | | | | | | | | | | |
| NR Metal | | | | | | | | | a | | | |
| Coffee Cups | | | | | | | ÷ | | | | | |
| Other | | | | | | | .4 | | | <u>ه</u> | | Ser. |
| HHW Other | | | | | | | | | | | | |
| | | | | | | | | | | | | |

| at chilsre | 16.160 AU | 11.915 | 12.170 | 2.455 | 10. 295 | Other Waste Yard + Gorden |
|---------------------------------------|----------------|---------|---------|--------|-----------|---|
| | | - | | 2.455 | 10. 295 | Other Waste |
| | | | | | | The second |
| | | | | | | Contamination |
| | (| | | | 1:165 | Other Organic Waste |
| | 2.540 | 5.540 | 2.205 | 1.930 | 1.975 | Compostable paper |
| 010.5H 9.510 | 8.185 3. | 13.370 | 12. 470 | 011.8 | 509.8 | Animal Waste |
| MAO 13.245 9.465 0.180 | Ja. Jao Ju | 17.605 | 12.725 | 11.395 | \$ 15.430 | Food Waste |
| 90 8.040 11175 3.295 5,155 15.440 13. | 10.500 6. | SSS SEE | 7:3-10. | 9.490 | (U'L M | Yard & Garden |
| Div Div Div Div | łg | ξġ | 69 | Q, | EN. | Compostable |
| | ORGANIC STREAM | | | | | |

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21-MAY-24

TUES.

| Date | | | | | | | | | |
|--------------------------------|---------|-------|-----------------|---------|----|----|----|----|----|
| | | R | ECYCLING STREAM | | | | | | |
| Recycling | G kg | kg kg | kg | kg | Ko | R7 | 5 | 5 | 5 |
| Mixed Paper | - | | | | | e. | 2 | P. | 64 |
| Newsprint, Magazines, Flyers V | | | | - | | | | | |
| Cardboard | | | | | | | | | |
| Flexible Plastic | • | | | | | | | | |
| Rigid Plastic | | | | | | | | | |
| Steel Cans & Aluminum foil | | | | | | | | | |
| Recycling Bags | | | | | | | | | |
| Refundables | | | | - | | | | | |
| Contamination | | | | | | | | | |
| NR Plastic | | | | | | | | | |
| Other Waste | | | | | | | | _ | |
| Glass Food Containers | | | | | | | | | |
| Contaminated Recycling | | | | | | | | | |
| 書 | | | | | | | 2 | | |
| NR Paper 📈 📝 . | | | | | | | 32 | | |
| Compostable paper | | | | | | | | | |
| Containers Filled with Food | | | | | | | | | |
| NR Metal | | | | | | | | * | |
| Coffee Cups | | | | | - | | | Ş | |
| Other V | | | | | | | _ | | |
| HHW Other | | | | | | | | | |
| + hrof It kow | tuesday | | | A STATE | | | | | |
| | | | ORGANIC STREAM | | | | | | |
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| NJAY JI JU | 27 TVE | FOUCH | | | | | | | | | | |
|---------------------|--------|--------|--------|--------|---|-------|--------|--------|-------------------|--------|-----------|---------|
| | 利用 | / | | | ORGANIC STREAM | | | | | | | |
| Compostable | DN. | łg | kg | Ng T | łg | a | đ | 5 | 5 | Ro. | 5 | 5 |
| Yard & Garden | 14.250 | 18.810 | 044.5 | 12:095 | 15 550 | 13.10 | 15.775 | 9 125 | 0 245 | 10 005 | 1 1. | 10.7112 |
| Food Waste | 29.315 | 14,035 | 9.730 | i i | and | | | 1.11.1 | 0.100 | 100001 | N. FOV | |
| Animal Waste | 5.315 | | | | t . | | | | | | | |
| Compostable paper | 3.395 | 51.55 | (1691) | Ĩ | 1.45 | * | | | | | 「泉 | |
| Other Organic Waste | 0.650 | - | | | | | | • | · /4 | 2 | 1.02 4 | Å |
| Contamination | | | | | | | | | 1 | | | |
| Other Waste | 3, 525 | | | | | | | | North Contraction | 3. | | |
| Yard ger den | NAX A | 3150 | 13.165 | Jn. UN | 13 170 | | | 4 | K, | | | |

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Other Organic Waste Food Waste Other Waste Compostable paper Animal Waste Yard & Garden Larparts ompostable ontamination 8.705 11.035 83.735 2.775 4.685 5.795 7.740 0.205 18.84540.4601 4,375 10,178 ND BN 2.475 25,130 Ko 13.420 26.205 18.620 kg 23 . 5 ORGANIC STREAM 6 \$ 17,165 5 ÷ 19.980 Ng 1a.460 19:455 Sec. and An Westman Edity Filest NO. -10 •

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| Date AC- MAT | 1), | | | | X | | | | | | | | |
|------------------------------|-----|---|-----------|----|-----------|--------|----|----------|----------|---|-----|------------|----|
| | | | A TANKA & | | RECYCLING | STREAM | | | E Martin | | | | |
| Recycling | 10 | 5 | P4 | 10 | Ng | 5 | ČN | 7 | Ng | 5 | CA. | Kg | 61 |
| Mixed Paper | | | | | | | | | | | | | |
| Newsprint, Magazines, Flyers | | | | | al. | | | | | | | | |
| Cardboard | | | | | ł | | | | | | | | |
| Cardboard | | | | | N. | | | | | | | | |
| Cardboard | | | | | | | | | | | | | |
| Cardboard | | | | | | | | | | | | | |
| Flexible Plastic | | | | | | | | | | | | | |
| Rigid Plastic | | | | | | | | | | | | | |
| Steel Cans & Aluminum foil | | | | | | | | | | | | | |
| Recycling Bags | | | | | | | | | | | | | |
| Refundables | | | | | | | | | | | | | |
| Contamination | | | | | | | | | | | | Lan Martin | |
| NR Plastic | | | | | | | | | | | | | |
| Other Waste | | | | | | | | | | | | | |
| Glass Food Containers | | | | | | | • | | | | | | |
| Contaminated Recycling | | | | | | | | | | | | | |
| Film | | | | | | | | | - 50 | | | | |
| NR Paper | | | | | | | | | | | | | |
| Compostable paper | | | | | | | | | | 0 | | | |
| Containers Filled with Food | | | | | - | | | * | | | | | |
| NR Metal | | | | | | • | | | | | | | |
| Coffee Cups | | | | | | | | | | | | | |
| Other | | | | | | | | | | | | | |
| HHW Other | | | | | | | | | | | | | |
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