

2-Stream Recycling Composition Audit Data Analysis: Medium Urban and Rural Regional Municipal Groups

Summary Report

Prepared for

The Continuous Improvement Fund

Prepared by

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APPENDICES

Appendix A. Waste Audit Data

1.0 INTRODUCTION

The Continuous Improvement Fund (CIF) contracted AET Group Inc. (AET) to analyze two-stream recycling data single-family (SF) residential and multi-family (MF) waste composition studies completed between 2016 and 2020. The analysis included municipal groups classified as Medium Urban and Rural Regional. A total of four Medium Urban municipalities and five Rural Regional municipalities were analyzed.

1.1 Objectives

Calculate and summarize:

- Overall contamination rates (i.e. proportion of each stream and combined that is non-accepted materials);
- Cross-contamination rates (i.e. proportion of containers and fibres recycling streams that is materials that should have been in the opposite stream); and
- Ratio of containers stream vs. fibres stream as set out by residents (by weight).

2.0 METHODOLOGY

2.1 Data Source

Data was analyzed from CIF/Stewardship Ontario's Waste Composition Audits Terms of Reference Years 1-4 results (2016/2017, 2017/2018, 2018/2019 and 2019/2020)¹. Although material categories were the same for all audits, a particular material's classification as recyclable or contamination was dependant on each individual municipality's acceptance criteria. It must be noted that the final spring season of the 2019/2020 audits has not been completed at the time of this report, therefore the data analyzed for 2019/2020 Rural Regional is a 3-season average.

2.2 Calculations

The calculations used to analyze the waste audit results are as follows:

Kg/hh/wk = kilograms/household/week

4-Season Average (kg/hh/wk):

$$\left(\frac{\text{Spring (kg/hh/wk)} + \text{Summer (kg/hh/wk)} + \text{Fall (kg/hh/wk)} + \text{Winter (kg/hh/wk)}}{4} \right)$$

¹ <https://thecif.ca/waste-composition-studies/>

Contamination Rate:

$$\left(\frac{\text{Total amount of non-recyclable material in stream}}{\text{Total amount of material set-out in stream}} \right) \times 100\%$$

Note: “non-recyclable” material as defined by each respective municipal program

Cross Contamination Rate:

$$\left(\frac{\text{Total amount of fibres placed in the containers stream}}{\text{Total amount of material set-out in the containers stream}} \right) \times 100\%$$

OR

$$\left(\frac{\text{Total amount of containers placed in the fibres stream}}{\text{Total amount of material set-out in the fibres stream}} \right) \times 100\%$$

3.0 RESULTS AND DISCUSSION

3.1 Proportion of Recycling Set Out by Stream

Figure 3.1 illustrates the proportion of recycling set-out by Medium Urban municipal groups. On average, 66.57% (1.92 kg/hh/wk) of recycling is placed in the fibres stream and the remaining 33.43% (0.96 kg/hh/wk) is placed in the containers stream.

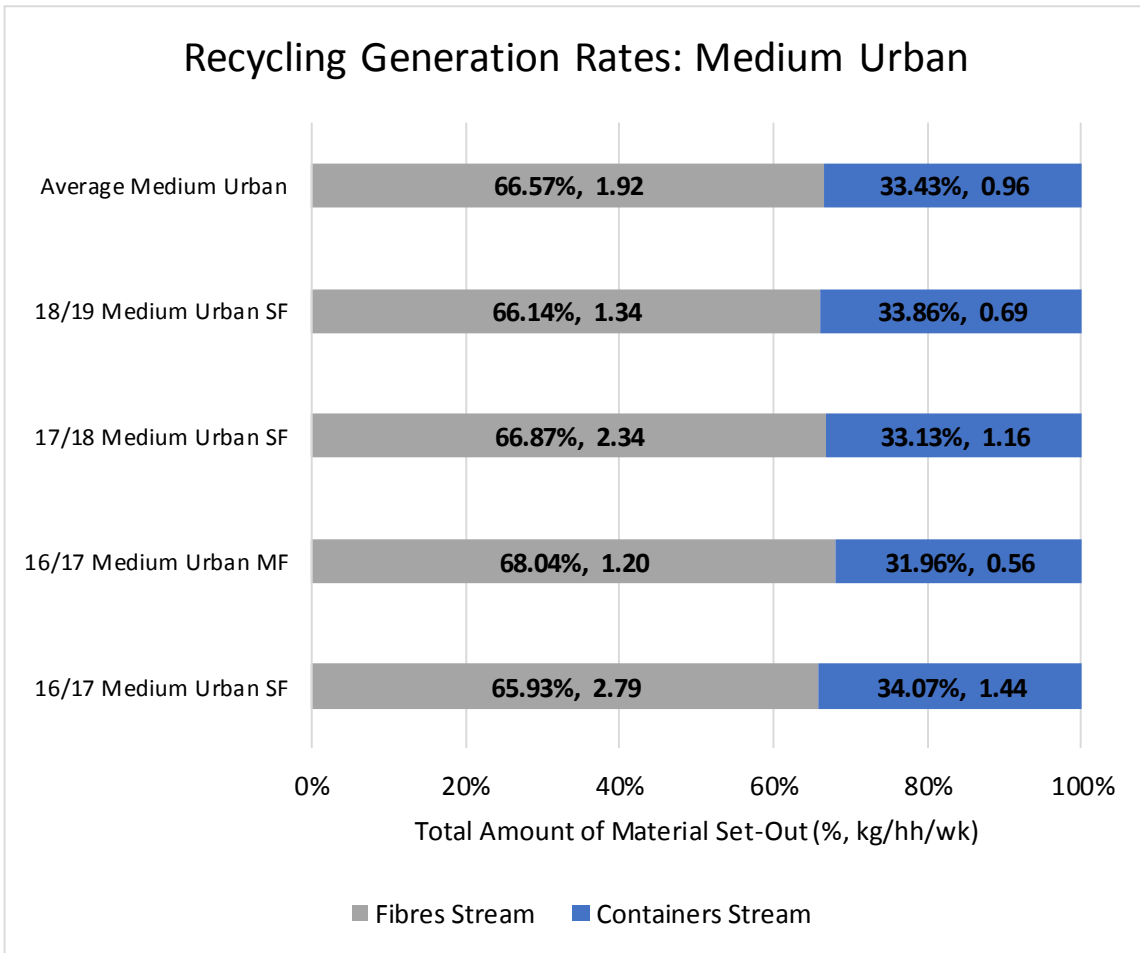
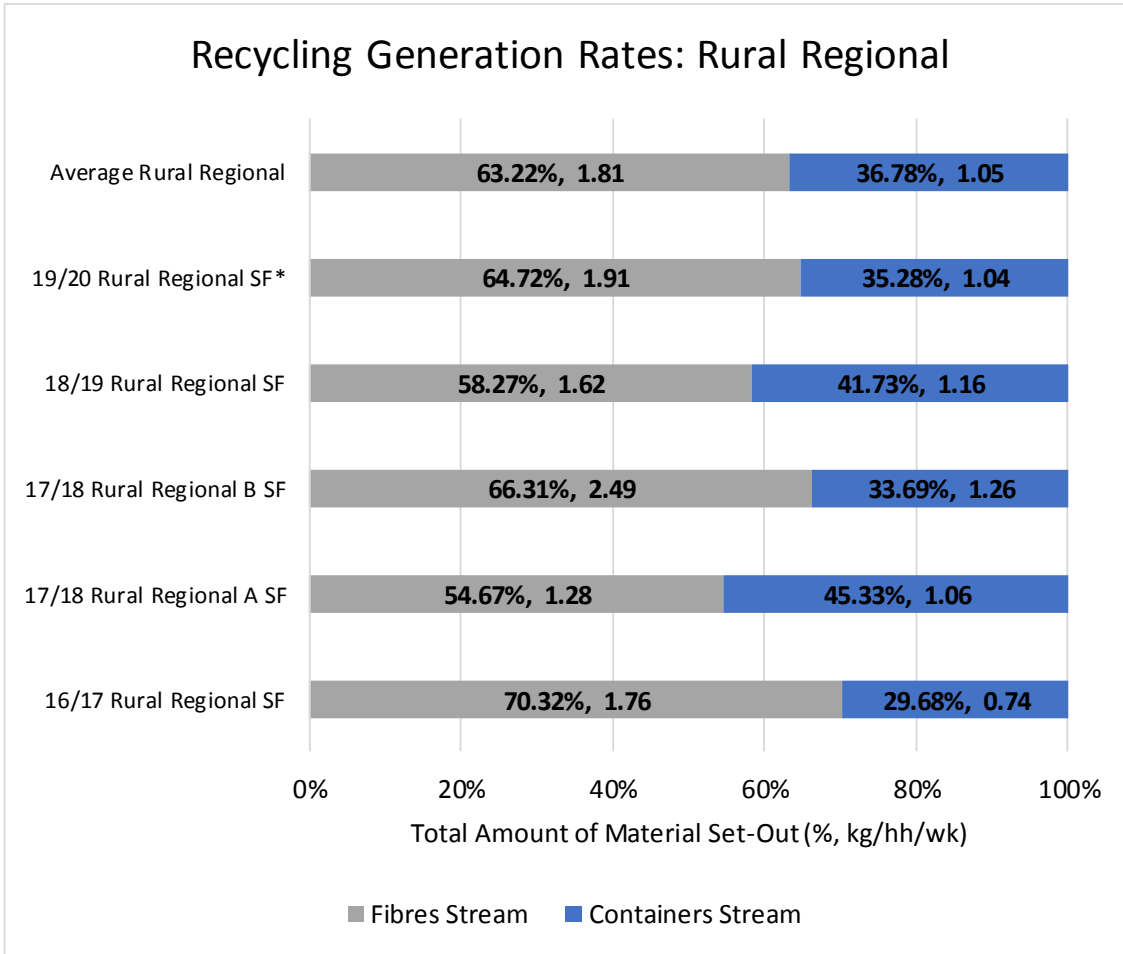


Figure 3.1 Proportion of Recycling Set-Out (by stream) – Medium Urban

Figure 3.2 illustrates the proportion of recycling set-out by Rural Regional municipal groups. On average, 63.22% (1.81 kg/hh/wk) of recycling is placed in the fibres stream and the remaining 36.78% (1.05 kg/hh/wk) is placed in the containers stream.



* 19/20 Rural Regional SF represents a 3-season average, as the last seasonal audit (Spring 2020) had not been completed at time of this report

Figure 3.2 Proportion of Recycling Set-Out (by stream) – Rural Regional

3.2 Contamination in the Recycling Stream

The following section summarizes the overall contamination and cross-contamination rates in the recycling streams. Figure 3.3 illustrates the breakdown of the fibres recycling stream from Medium Urban municipal groups. On average, 94.31% of the fibres stream consisted of accepted fibres, 3.11% consisted of cross-contaminating containers and 2.58% consisted of contamination (non-accepted materials).

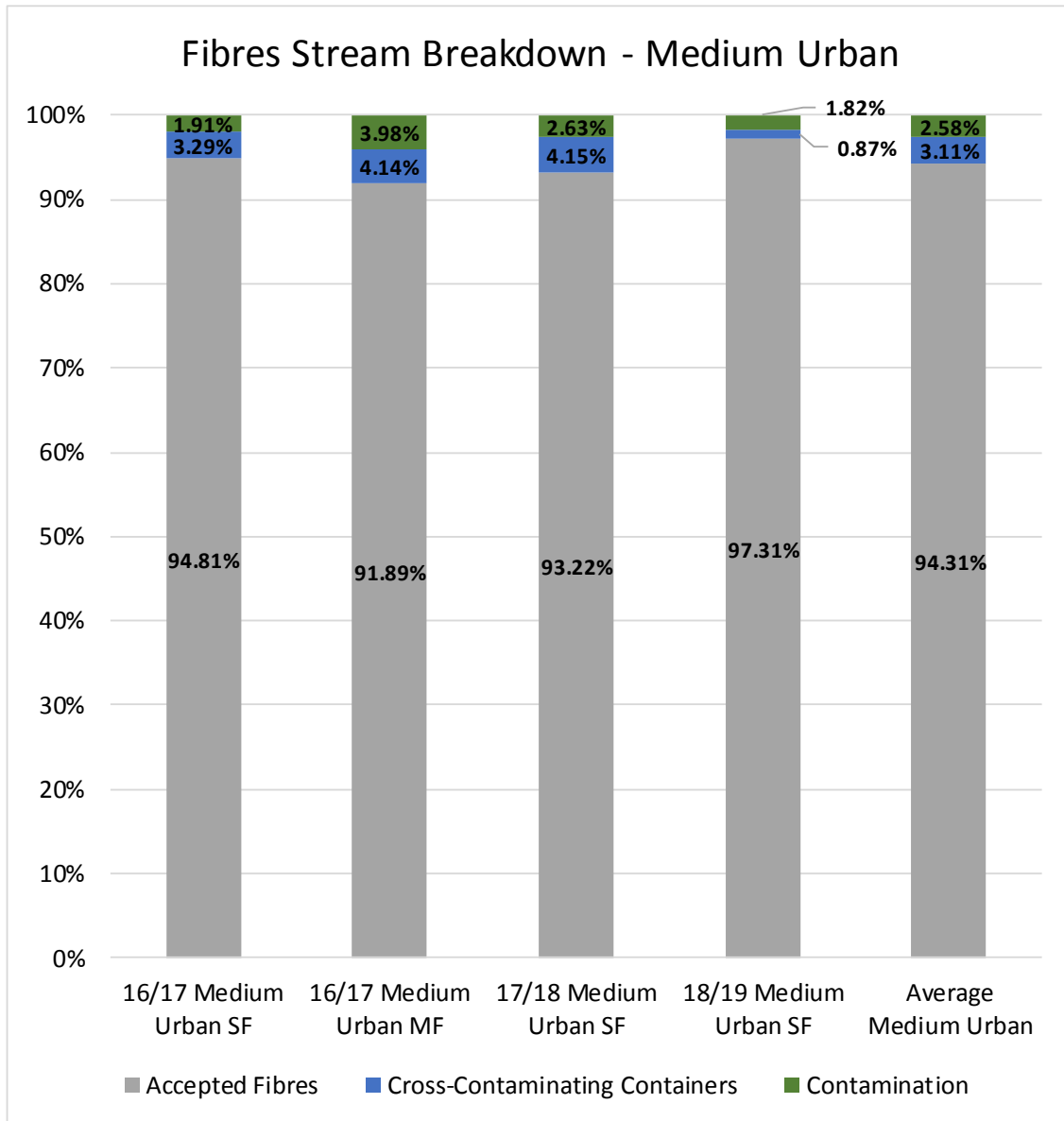
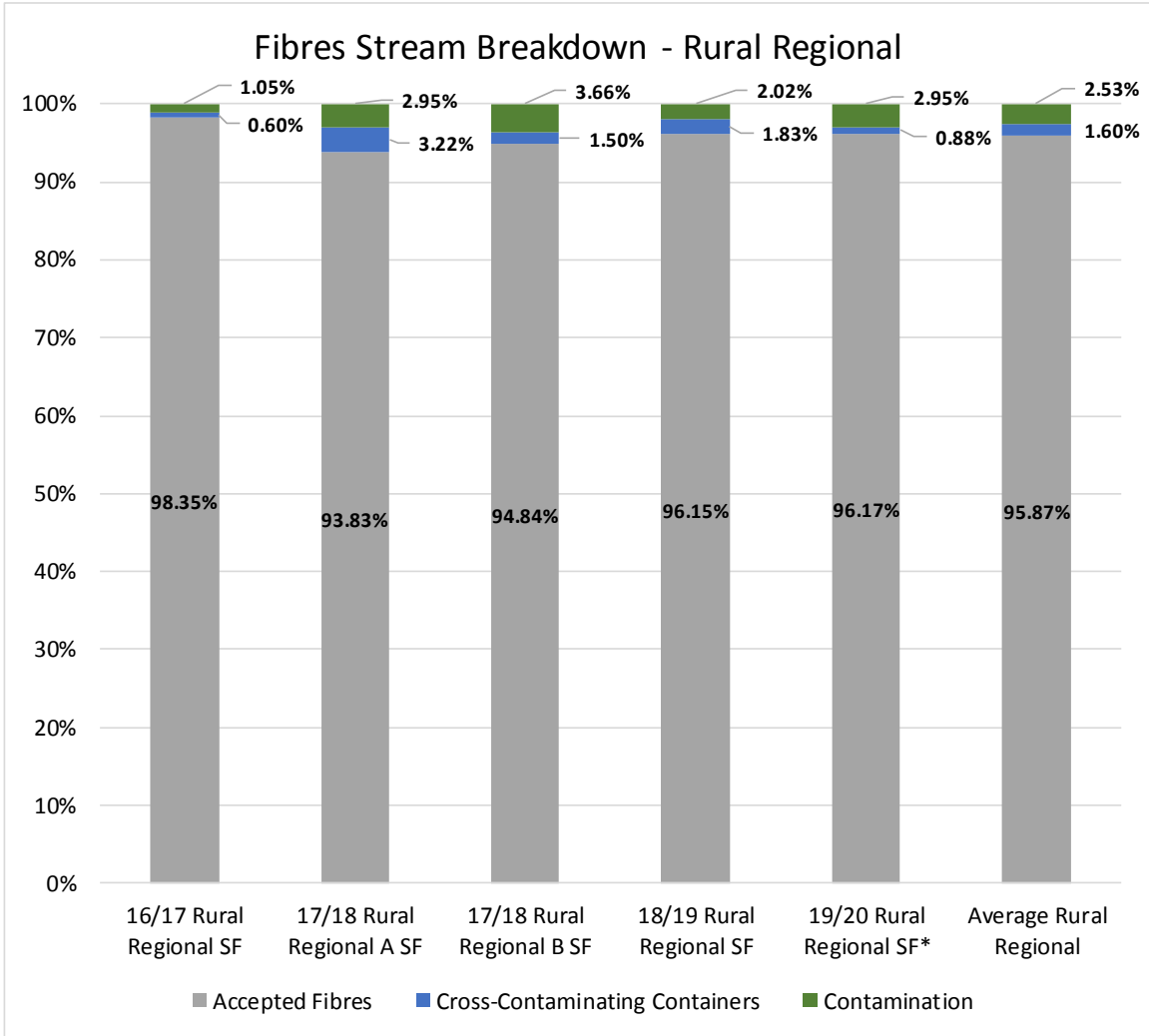


Figure 3.3 Fibres Stream Breakdown – Medium Urban

Figure 3.4 illustrates the breakdown of the fibres recycling stream from Rural Regional municipal groups. On average, 95.87% of the fibres stream consisted of accepted fibres, 1.60% consisted of cross-contaminating containers and 2.53% consisted of contamination (non-accepted materials).



* 19/20 Rural Regional SF represents a 3-season average, as the last seasonal audit (Spring 2020) had not been completed at time of this report

Figure 3.4 Fibres Stream Breakdown – Rural Regional

Figure 3.5 illustrates the breakdown of the containers recycling stream from Medium Urban municipal groups. On average, 79.27% of the containers stream consisted of accepted containers, 5.96% consisted of cross-contaminating fibres and 14.77% consisted of contamination (non-accepted materials).

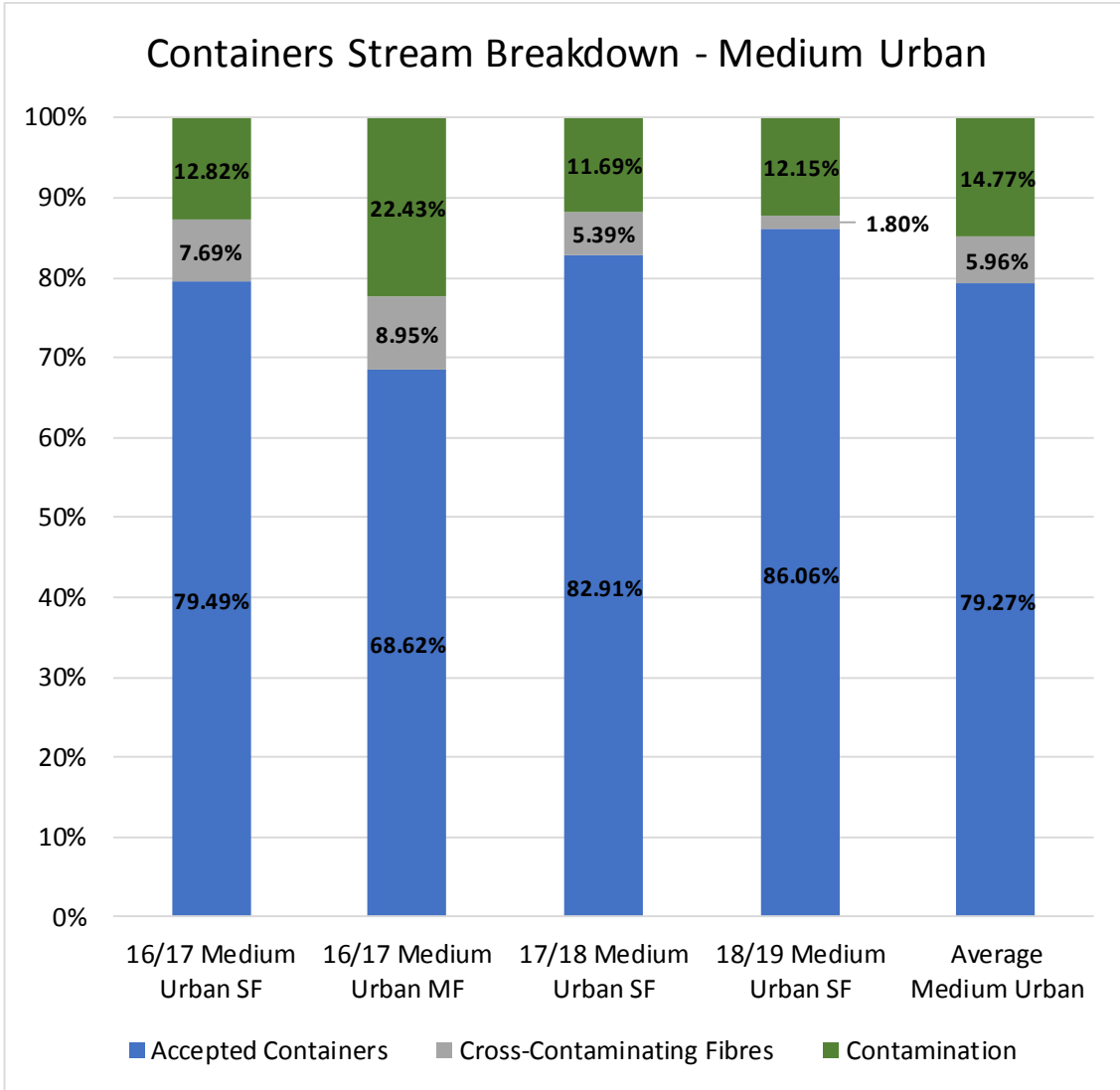
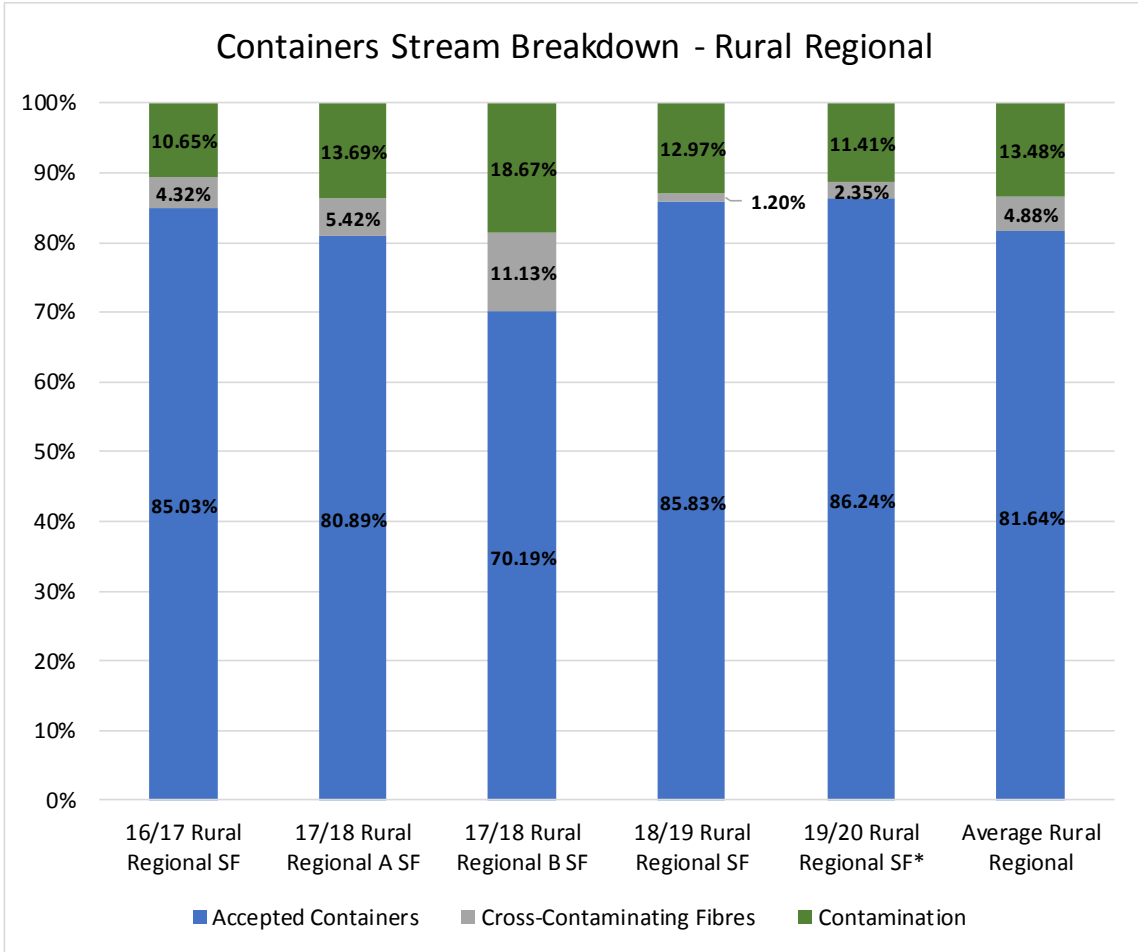


Figure 3.5 Containers Stream Breakdown – Medium Urban

Figure 3.6 illustrates the breakdown of the containers recycling stream from Rural Regional municipal groups. On average, 81.64% of the containers stream consisted of accepted containers, 4.88% consisted of cross-contaminating fibres and 13.48% consisted of contamination (non-accepted materials).



* 19/20 Rural Regional SF represents a 3-season average, as the last seasonal audit (Spring 2020) had not been completed at time of this report

Figure 3.6 Containers Stream Breakdown – Rural Regional

Figure 3.7 illustrates the breakdown of the recycling stream (fibres and containers combined) from Medium Urban municipal groups. It must be noted that this figure illustrates the combined composition but does not show cross-contamination. On average, 64.90% of the recycling stream consisted of accepted fibres, 28.49% consisted of accepted containers and 6.61% consisted of contamination (non-accepted materials).

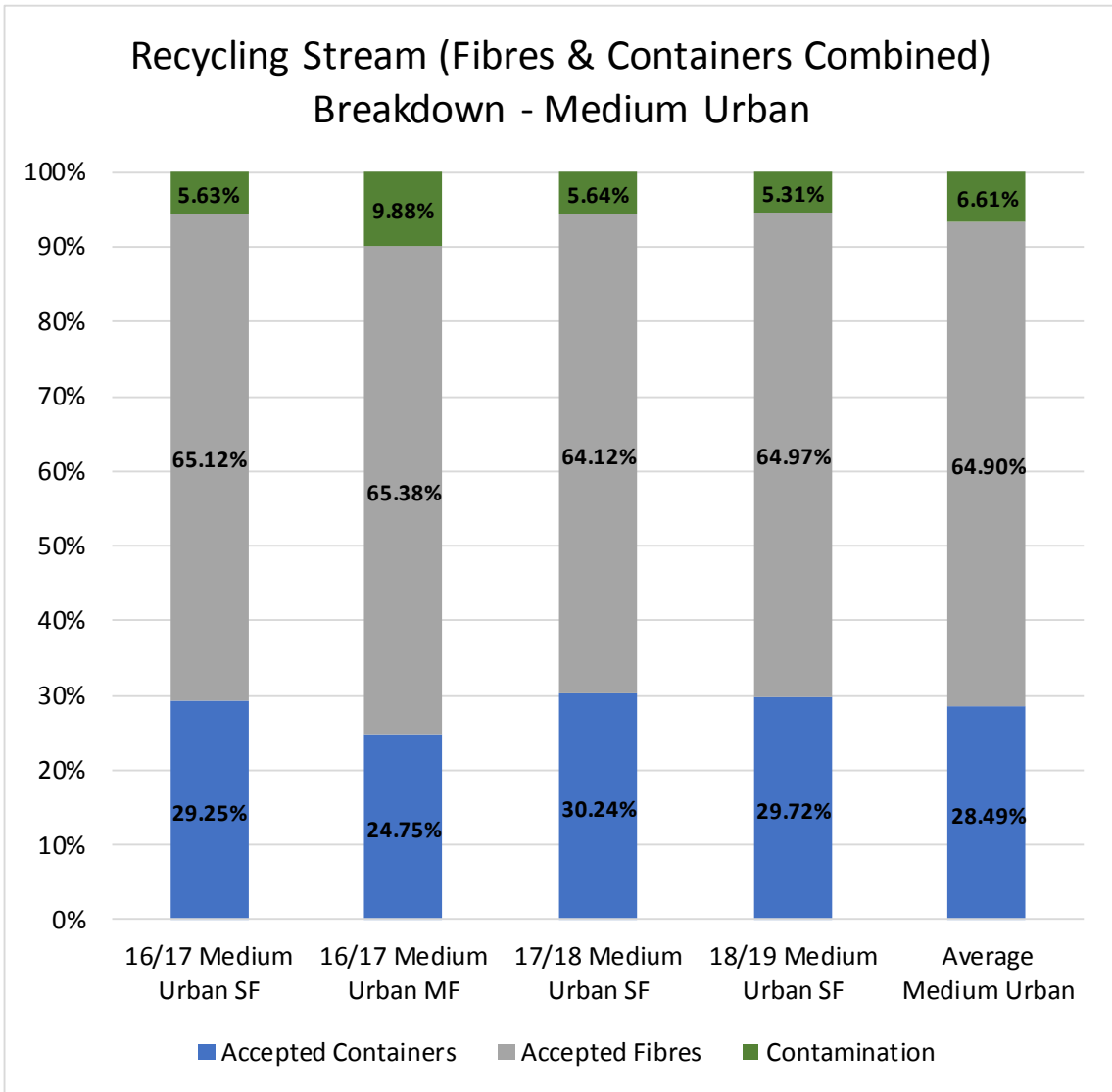
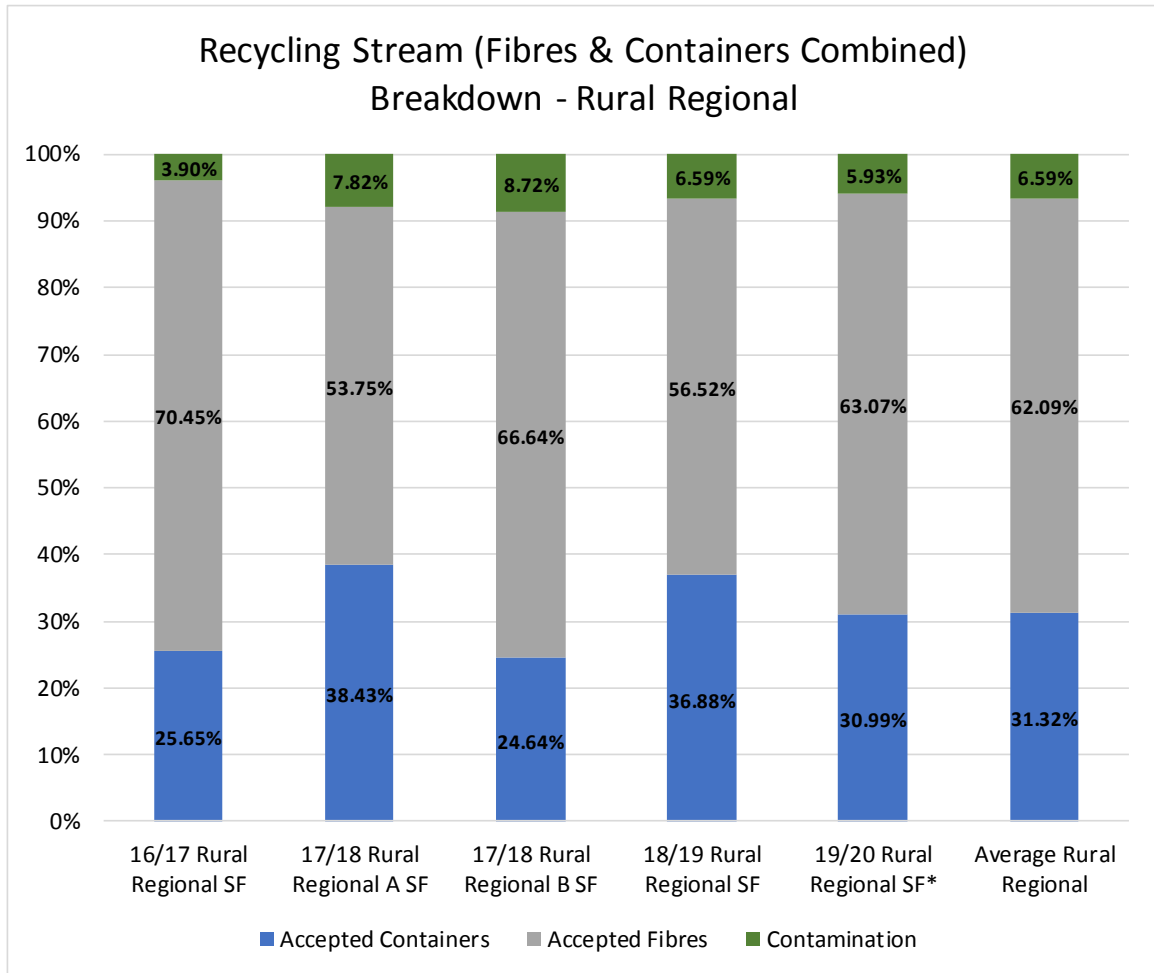


Figure 3.7 Recycling Stream Breakdown (fibres & containers combined) – Medium Urban

Figure 3.8 illustrates the breakdown of the recycling stream (fibres and containers combined) from Rural Regional municipal groups. It must be noted that this figure illustrates the combined composition but does not show cross-contamination. On average, 62.09% of the recycling stream consisted of accepted fibres, 31.32% consisted of accepted containers and 6.59% consisted of contamination (non-accepted materials).



* 19/20 Rural Regional SF represents a 3-season average, as the last seasonal audit (Spring 2020) had not been completed at time of this report

Figure 3.8 Recycling Stream Breakdown (fibres & containers combined) – Rural Regional

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Disclaimer

AET Group Inc. makes no warranty and assumes no liability for the information contained in this report outlining the waste audit study results. Waste generation measurements should be considered snapshots and may not reflect accurately conditions across these municipal groups over time.

Waste Sort Results - 4-Season Average
Single Family
2016-2017 Medium Urban

Material Category	Materials Accepted	Recycling Fibres	Recycling Containers	Recycling
		Mean	Mean	Mean
		(kg/hh/wk)	(kg/hh/wk)	(kg/hh/wk)
1. PRINTED PAPER				
Newspapers - Daily and weekly	F	0.547	0.010	0.557
Other Newspapers/Newsprint - Other	F	0.584	0.011	0.595
Magazines and Catalogues	F	0.189	0.004	0.193
Directories / Telephone books	F	0.019	0.002	0.021
Other Printed Paper (Obligated)	F	0.128	0.004	0.132
Other Printed Paper (Non-Obligated)	F	0.239	0.002	0.241
Total Paper		1.705	0.034	1.739
2. PAPER PACKAGING				
Gable Top Containers	C	0.025	0.032	0.057
Aseptic Containers (excluding alcoholic beverages)	C	0.004	0.009	0.013
Aseptic Containers - alcoholic beverages	C	0.000	0.000	0.000
Polycoat Beverage Cups	C	0.014	0.010	0.025
Spiral Wound Containers	C	0.002	0.008	0.010
Ice Cream Containers and Other Bleached Long Polycoat Fibre	C	0.003	0.004	0.007
Paper Laminate Packaging	W	0.005	0.002	0.006
Corrugated Cardboard	F	0.469	0.009	0.478
Boxboard/Cores/Molded Pulp	F	0.417	0.035	0.452
Other Paper Packaging (Non-Obligated)	F	0.010	0.000	0.010
Total Paper Packaging		0.950	0.109	1.059
3. PLASTICS				
#1 PET Bottles and Jars (excluding alcoholic beverages)	C	0.006	0.183	0.190
#1 PET Bottles and Jars -Coloured(excluding alcoholic beverages)	C	0.000	0.005	0.006
#1 PET Bottles and Jars ≥ 5 L(excluding alcoholic beverages)	C	0.000	0.002	0.002
#1 PET Bottles (alcoholic beverages)	C	0.000	0.004	0.004
#1 PET Thermoform - Clear	C	0.002	0.069	0.071
#1 PET Thermoform - Coloured	C	0.000	0.008	0.008
#2 HDPE Bottles and Jugs (Natural)(excluding alcoholic beverages)	C	0.001	0.012	0.013
#2 HDPE Bottles and Jugs (Coloured)(excluding alcoholic beverages)	C	0.002	0.052	0.054
#2 HDPE Bottles and Jugs ≥ 5 L(excluding alcoholic beverage)	C	0.000	0.006	0.006
#2 HDPE Bottles (alcoholic beverage containers)	C	0.000	0.000	0.000
#2 Other HDPE Containers	C	0.000	0.007	0.008
Flexible Film Plastic – LDPE & HDPE	F	0.041	0.033	0.074
LDPE/HDPE Film - Products (non-packaging)	W	0.003	0.004	0.008
#5 PP Bottles	C	0.000	0.010	0.010
#5 Other PP Containers	C	0.002	0.043	0.045
#5 Other PP Containers (Black)	W	0.001	0.009	0.010
#6 PS - Expanded Polystyrene	C	0.001	0.003	0.004
#6 PS - Expanded Polystyrene (Black)	W	0.000	0.001	0.001
#6 PS - Non-expanded Polystyrene	W	0.001	0.015	0.017
#6 PS - Non-expanded Polystyrene (Black)	W	0.001	0.001	0.002
Plastic Laminates and Other Film Packaging	W	0.009	0.013	0.021
Other Rigid Plastic Packaging	W	0.005	0.030	0.034
Other Rigid Plastic Packaging (Black)	W	0.001	0.002	0.003
Large HDPE & PP Pails & Lids	W	0.000	0.002	0.002
Other Plastics - (non-packaging/durable)	W	0.005	0.028	0.033
Total Plastics		0.081	0.543	0.624
4. METALS				
Aluminum- food and beverage Containers (excluding alcoholic beverage containers)	C	0.001	0.066	0.067
Aluminum (alcoholic beverage containers)	C	0.000	0.010	0.010
Aluminum Food & Beverage Containers Total				
Aluminum Foil & Foil Trays	C	0.000	0.007	0.007
Aluminum Aerosols	C	0.000	0.002	0.002
Other Aluminum (non-packaging)	W	0.000	0.001	0.001
Other Aluminum Packaging Total				
Steel Food and Beverage Cans	C	0.005	0.107	0.112
Steel Paint Cans	C	0.000	0.003	0.003
Steel Food & Beverage Containers Total				
Steel Aerosol Container	C	0.000	0.007	0.007
Other steel (non-packaging)	W	0.000	0.012	0.013
Other Steel Packaging Total				
Total Metals		0.007	0.215	0.222
5. GLASS				
Clear Glass - food and beverage (excluding alcohol containers)	C	0.014	0.265	0.280
Clear Glass - alcoholic beverage containers	C	0.001	0.047	0.049
Coloured Glass - food and beverage (excluding alcoholic beverage containers)	C	0.002	0.063	0.065
Coloured Glass - alcoholic beverage containers	C	0.003	0.100	0.102
Other Glass - non-Blue Box	W	0.001	0.021	0.022
Total Glass		0.021	0.496	0.517
6. MUNICIPAL HAZARDOUS AND SPECIAL WASTE				
Pressurized cylinders	W	0.000	0.000	0.000
Batteries (Consumer-type Portable)	W	0.000	0.000	0.000
Total MHSW		0.000	0.000	0.000
7. OTHER MATERIALS				
Additional Categories	W	0.023	0.043	0.066
Total Other Materials		0.023	0.043	0.066
Grand Total		2.787	1.440	4.227
		Recycling Fibres	Recycling Containers	Recycling
Accepted Containers		0.09	1.14	1.24
Accepted Fibres		2.64	0.11	2.75
Contamination		0.05	0.18	0.24
Total		2.79	1.44	4.23

Waste Sort Results - 4-Season Average
Multi Family
2016-2017 Medium Urban

Material Category	Materials Accepted	Recycling Fibres	Recycling Containers	Recycling
		Mean	Mean	Mean
		(kg/hh/wk)	(kg/hh/wk)	(kg/hh/wk)
1. PRINTED PAPER				
Newspapers - Daily and weekly	F	0.256	0.002	0.259
Other Newspapers/Newsprint - Other	F	0.283	0.005	0.288
Magazines and Catalogues	F	0.084	0.001	0.085
Directories / Telephone books	F	0.004	0.000	0.004
Other Printed Paper (Obligated)	F	0.084	0.003	0.087
Other Printed Paper (Non-Obligated)	F	0.034	0.004	0.038
Total Paper		0.744	0.017	0.761
2. PAPER PACKAGING				
Gable Top Containers	C	0.011	0.021	0.031
Aseptic Containers (excluding alcoholic beverages)	C	0.002	0.003	0.005
Aseptic Containers - alcoholic beverages	C	0.000	0.000	0.000
Polycoat Beverage Cups	C	0.004	0.002	0.006
Spiral Wound Containers	C	0.002	0.003	0.005
Ice Cream Containers and Other Bleached Long Polycoat Fibre	C	0.002	0.002	0.004
Paper Laminate Packaging	W	0.002	0.000	0.002
Corrugated Cardboard	F	0.179	0.006	0.186
Boxboard/Cores/Molded Pulp	F	0.159	0.020	0.179
Other Paper Packaging (Non-Obligated)	F	0.002	0.000	0.002
Total Paper Packaging		0.363	0.057	0.421
3. PLASTICS				
#1 PET Bottles and Jars (excluding alcoholic beverages)	C	0.006	0.100	0.107
#1 PET Bottles and Jars -Coloured(excluding alcoholic beverages)	C	0.000	0.004	0.004
#1 PET Bottles and Jars ≥ 5 L(excluding alcoholic beverages)	C	0.000	0.000	0.000
#1 PET Bottles (alcoholic beverages)	C	0.000	0.001	0.001
#1 PET Thermoform - Clear	C	0.003	0.016	0.019
#1 PET Thermoform - Coloured	C	0.000	0.002	0.003
#2 HDPE Bottles and Jugs (Natural)(excluding alcoholic beverages)	C	0.001	0.006	0.007
#2 HDPE Bottles and Jugs (Coloured)(excluding alcoholic beverages)	C	0.001	0.025	0.026
#2 HDPE Bottles and Jugs ≥ 5 L(excluding alcoholic beverage)	C	0.000	0.001	0.001
#2 HDPE Bottles (alcoholic beverage containers)	C	0.000	0.000	0.000
#2 Other HDPE Containers	C	0.000	0.002	0.002
Flexible Film Plastic – LDPE & HDPE	F	0.017	0.007	0.024
LDPE/HDPE Film - Products (non-packaging)	W	0.003	0.001	0.004
#5 PP Bottles	C	0.000	0.016	0.016
#5 Other PP Containers	C	0.001	0.014	0.015
#5 Other PP Containers (Black)	W	0.000	0.003	0.003
#6 PS - Expanded Polystyrene	C	0.001	0.001	0.002
#6 PS - Expanded Polystyrene (Black)	W	0.000	0.000	0.000
#6 PS - Non-expanded Polystyrene	W	0.001	0.006	0.007
#6 PS - Non-expanded Polystyrene (Black)	W	0.000	0.001	0.001
Plastic Laminates and Other Film Packaging	W	0.008	0.003	0.011
Other Rigid Plastic Packaging	W	0.005	0.012	0.017
Other Rigid Plastic Packaging (Black)	W	0.000	0.000	0.001
Large HDPE & PP Pails & Lids	W	0.000	0.000	0.000
Other Plastics - (non-packaging/durable)	W	0.004	0.012	0.017
Total Plastics		0.054	0.233	0.286
4. METALS				
Aluminum- food and beverage Containers (excluding alcoholic beverage containers)	C	0.002	0.022	0.023
Aluminum (alcoholic beverage containers)	C	0.002	0.001	0.003
Aluminum Food & Beverage Containers Total				
Aluminum Foil & Foil Trays	C	0.001	0.001	0.002
Aluminum Aerosols	C	0.000	0.000	0.000
Other Aluminum (non-packaging)	W	0.000	0.000	0.000
Other Aluminum Packaging Total				
Steel Food and Beverage Cans	C	0.005	0.051	0.056
Steel Paint Cans	C	0.000	0.000	0.000
Steel Food & Beverage Containers Total				
Steel Aerosol Container	C	0.000	0.002	0.002
Other steel (non-packaging)	W	0.001	0.002	0.003
Other Steel Packaging Total				
Total Metals		0.010	0.080	0.089
5. GLASS				
Clear Glass - food and beverage (excluding alcohol containers)	C	0.005	0.058	0.063
Clear Glass - alcoholic beverage containers	C	0.000	0.014	0.014
Coloured Glass - food and beverage (excluding alcoholic beverage containers)	C	0.002	0.005	0.007
Coloured Glass - alcoholic beverage containers	C	0.000	0.013	0.013
Other Glass - non-Blue Box	W	0.003	0.059	0.062
Total Glass		0.009	0.150	0.159
6. MUNICIPAL HAZARDOUS AND SPECIAL WASTE				
Pressurized cylinders	W	0.000	0.000	0.000
Batteries (Consumer-type Portable)	W	0.000	0.000	0.000
Total MHSW		0.000	0.000	0.000
7. OTHER MATERIALS				
Additional Categories	W	0.019	0.027	0.046
Total Other Materials		0.019	0.027	0.046
Grand Total		1.199	0.563	1.762
		Recycling Fibres	Recycling Containers	Recycling
Accepted Containers		0.05	0.39	0.44
Accepted Fibres		1.10	0.05	1.15
Contamination		0.05	0.13	0.17
Total		1.20	0.56	1.76

Waste Sort Results - 4-Season Average
Single Family
2016-2017 Rural Regional

Material Category	Materials Accepted	Recycling Fibres	Recycling Containers	Recycling
		Mean	Mean	Mean
		(kg/hh/wk)	(kg/hh/wk)	(kg/hh/wk)
1. PRINTED PAPER				
Newspapers - Daily and weekly	F	0.250	0.000	0.250
Other Newspapers/Newsprint - Other	F	0.420	0.007	0.427
Magazines and Catalogues	F	0.193	0.000	0.194
Directories / Telephone books	F	0.003	0.000	0.003
Other Printed Paper (Obligated)	F	0.082	0.000	0.083
Other Printed Paper (Non-Obligated)	F	0.138	0.000	0.138
Total Paper		1.087	0.008	1.095
2. PAPER PACKAGING				
Gable Top Containers	F	0.022	0.011	0.033
Aseptic Containers (excluding alcoholic beverages)	F	0.003	0.002	0.005
Aseptic Containers - alcoholic beverages	F	0.000	0.000	0.000
Polycoat Beverage Cups	F	0.009	0.001	0.010
Spiral Wound Containers	W	0.001	0.006	0.007
Ice Cream Containers and Other Bleached Long Polycoat Fibre	W	0.001	0.000	0.001
Paper Laminate Packaging	W	0.001	0.000	0.001
Corrugated Cardboard	F	0.303	0.001	0.304
Boxboard/Cores/Molded Pulp	F	0.311	0.008	0.319
Other Paper Packaging (Non-Obligated)	F	0.001	0.000	0.001
Total Paper Packaging		0.651	0.030	0.681
3. PLASTICS				
#1 PET Bottles and Jars (excluding alcoholic beverages)	C	0.001	0.153	0.155
#1 PET Bottles and Jars -Coloured(excluding alcoholic beverages)	C	0.000	0.002	0.002
#1 PET Bottles and Jars ≥ 5 L(excluding alcoholic beverages)	C	0.000	0.002	0.002
#1 PET Bottles (alcoholic beverages)	C	0.000	0.000	0.000
#1 PET Thermoform - Clear	C	0.001	0.027	0.027
#1 PET Thermoform - Coloured	C	0.000	0.003	0.003
#2 HDPE Bottles and Jugs (Natural)(excluding alcoholic beverages)	C	0.000	0.010	0.010
#2 HDPE Bottles and Jugs (Coloured)(excluding alcoholic beverages)	C	0.000	0.043	0.043
#2 HDPE Bottles and Jugs ≥ 5 L(excluding alcoholic beverage)	C	0.000	0.003	0.003
#2 HDPE Bottles (alcoholic beverage containers)	C	0.000	0.000	0.000
#2 Other HDPE Containers	C	0.000	0.007	0.008
Flexible Film Plastic – LDPE & HDPE	W	0.003	0.002	0.005
LDPE/HDPE Film - Products (non-packaging)	W	0.000	0.001	0.001
#5 PP Bottles	C	0.000	0.005	0.005
#5 Other PP Containers	C	0.000	0.020	0.021
#5 Other PP Containers (Black)	C	0.000	0.007	0.007
#6 PS - Expanded Polystyrene	W	0.001	0.000	0.001
#6 PS - Expanded Polystyrene (Black)	W	0.000	0.000	0.000
#6 PS - Non-expanded Polystyrene	C	0.000	0.006	0.006
#6 PS - Non-expanded Polystyrene (Black)	C	0.000	0.000	0.000
Plastic Laminates and Other Film Packaging	W	0.001	0.001	0.002
Other Rigid Plastic Packaging	W	0.001	0.012	0.013
Other Rigid Plastic Packaging (Black)	W	0.000	0.001	0.001
Large HDPE & PP Pails & Lids	W	0.000	0.000	0.000
Other Plastics - (non-packaging/durable)	W	0.000	0.012	0.013
Total Plastics		0.010	0.318	0.328
4. METALS				
Aluminum- food and beverage Containers (excluding alcoholic beverage containers)	C	0.001	0.053	0.054
Aluminum (alcoholic beverage containers)	C	0.000	0.005	0.005
Aluminum Food & Beverage Containers Total				
Aluminum Foil & Foil Trays	C	0.000	0.002	0.002
Aluminum Aerosols	W	0.000	0.002	0.002
Other Aluminum (non-packaging)	W	0.000	0.001	0.001
Other Aluminum Packaging Total				
Steel Food and Beverage Cans	C	0.001	0.101	0.102
Steel Paint Cans	W	0.000	0.000	0.000
Steel Food & Beverage Containers Total				
Steel Aerosol Container	W	0.000	0.002	0.003
Other steel (non-packaging)	W	0.001	0.007	0.008
Other Steel Packaging Total				
Total Metals		0.003	0.174	0.177
5. GLASS				
Clear Glass - food and beverage (excluding alcohol containers)	C	0.000	0.133	0.133
Clear Glass - alcoholic beverage containers	C	0.001	0.023	0.024
Coloured Glass - food and beverage (excluding alcoholic beverage containers)	C	0.000	0.008	0.008
Coloured Glass - alcoholic beverage containers	C	0.004	0.018	0.023
Other Glass - non-Blue Box	W	0.001	0.009	0.010
Total Glass		0.006	0.192	0.198
6. MUNICIPAL HAZARDOUS AND SPECIAL WASTE				
Pressurized cylinders	W	0.000	0.000	0.000
Batteries (Consumer-type Portable)	W	0.000	0.000	0.000
Total MHSW		0.000	0.000	0.000
7. OTHER MATERIALS				
Additional Categories	W	0.007	0.022	0.029
Total Other Materials		0.007	0.022	0.029
Grand Total		1.764	0.744	2.508
		Recycling Fibres	Recycling Containers	Recycling
Accepted Containers		0.01	0.63	0.64
Accepted Fibres		1.73	0.03	1.77
Contamination		0.02	0.08	0.10
Total		1.76	0.74	2.51

Waste Sort Results - 4-Season Average
Single Family
2017-2018 Medium Urban

Material Category	Materials Accepted	Recycling Fibres	Recycling Containers	Recycling
		Mean	Mean	Mean
		(kg/hh/wk)	(kg/hh/wk)	(kg/hh/wk)
1. PRINTED PAPER				
Newspapers - Daily and weekly	F	0.310	0.009	0.319
Other Newspapers/Newsprint - Other	F	0.431	0.009	0.440
Magazines and Catalogues	F	0.163	0.002	0.165
Directories / Telephone books	F	0.006	0.001	0.006
Other Printed Paper (Obligated)	F	0.101	0.002	0.103
Other Printed Paper (Non-Obligated)	F	0.084	0.001	0.085
Total Paper		1.094	0.023	1.117
2. PAPER PACKAGING				
Gable Top Containers	C	0.020	0.027	0.047
Aseptic Containers (excluding alcoholic beverages)	C	0.004	0.006	0.010
Aseptic Containers - alcoholic beverages	C	0.000	0.001	0.001
Polycoat Beverage Cups	W	0.009	0.004	0.014
Spiral Wound Containers	C	0.001	0.009	0.009
Ice Cream Containers and Other Bleached Long Polycoat Fibre	W	0.001	0.001	0.003
Paper Laminate Packaging	W	0.003	0.000	0.003
Corrugated Cardboard	F	0.705	0.009	0.714
Boxboard/Cores/Molded Pulp	F	0.378	0.030	0.408
Other Paper Packaging (Non-Obligated)	F	0.001	0.000	0.002
Total Paper Packaging		1.123	0.087	1.210
3. PLASTICS				
#1 PET Bottles and Jars (excluding alcoholic beverages)	C	0.009	0.184	0.193
#1 PET Bottles and Jars -Coloured(excluding alcoholic beverages)	C	0.000	0.005	0.005
#1 PET Bottles and Jars ≥ 5 L(excluding alcoholic beverages)	C	0.000	0.000	0.000
#1 PET Bottles (alcoholic beverages)	C	0.001	0.001	0.001
#1 PET Thermoform - Clear	C	0.003	0.050	0.053
#1 PET Thermoform - Coloured	C	0.001	0.006	0.007
#2 HDPE Bottles and Jugs (Natural)(excluding alcoholic beverages)	C	0.001	0.013	0.015
#2 HDPE Bottles and Jugs (Coloured)(excluding alcoholic beverages)	C	0.004	0.050	0.054
#2 HDPE Bottles and Jugs ≥ 5 L(excluding alcoholic beverage)	W	0.000	0.004	0.004
#2 HDPE Bottles (alcoholic beverage containers)	C	0.000	0.000	0.000
#2 Other HDPE Containers	C	0.000	0.006	0.006
Flexible Film Plastic – LDPE & HDPE	W	0.007	0.007	0.013
LDPE/HDPE Film - Products (non-packaging)	W	0.003	0.000	0.004
#5 PP Bottles	C	0.001	0.009	0.010
#5 Other PP Containers	C	0.003	0.038	0.041
#5 Other PP Containers (Black)	C	0.001	0.009	0.009
#6 PS - Expanded Polystyrene	W	0.001	0.002	0.003
#6 PS - Expanded Polystyrene (Black)	W	0.000	0.000	0.001
#6 PS - Non-expanded Polystyrene	C	0.001	0.009	0.010
#6 PS - Non-expanded Polystyrene (Black)	C	0.000	0.002	0.002
Plastic Laminates and Other Film Packaging	W	0.003	0.004	0.006
Other Rigid Plastic Packaging	C	0.003	0.025	0.028
Other Rigid Plastic Packaging (Black)	C	0.001	0.002	0.002
Large HDPE & PP Pails & Lids	W	0.000	0.003	0.003
Other Plastics - (non-packaging/durable)	W	0.003	0.025	0.028
Total Plastics		0.046	0.453	0.498
4. METALS				
Aluminum- food and beverage Containers (excluding alcoholic beverage containers)	C	0.003	0.055	0.058
Aluminum (alcoholic beverage containers)	C	0.001	0.012	0.013
Aluminum Food & Beverage Containers Total				
Aluminum Foil & Foil Trays	C	0.000	0.003	0.004
Aluminum Aerosols	C	0.000	0.001	0.001
Other Aluminum (non-packaging)	W	0.000	0.000	0.000
Other Aluminum Packaging Total				
Steel Food and Beverage Cans	C	0.005	0.084	0.089
Steel Paint Cans	C	0.000	0.000	0.000
Steel Food & Beverage Containers Total				
Steel Aerosol Container	C	0.000	0.004	0.004
Other steel (non-packaging)	W	0.001	0.020	0.021
Other Steel Packaging Total				
Total Metals		0.011	0.178	0.189
5. GLASS				
Clear Glass - food and beverage (excluding alcohol containers)	C	0.015	0.193	0.209
Clear Glass - alcoholic beverage containers	C	0.003	0.056	0.060
Coloured Glass - food and beverage (excluding alcoholic beverage containers)	C	0.004	0.027	0.031
Coloured Glass - alcoholic beverage containers	C	0.011	0.076	0.087
Other Glass - non-Blue Box	W	0.002	0.024	0.026
Total Glass		0.036	0.377	0.412
6. MUNICIPAL HAZARDOUS AND SPECIAL WASTE				
Pressurized cylinders	W	0.000	0.000	0.000
Batteries (Consumer-type Portable)	W	0.000	0.000	0.000
Total MHSW		0.000	0.000	0.000
7. OTHER MATERIALS				
Additional Categories	W	0.028	0.040	0.068
Total Other Materials		0.028	0.040	0.068
Grand Total		2.337	1.158	3.495
		Recycling Fibres	Recycling Containers	Recycling
Accepted Containers		0.10	0.96	1.06
Accepted Fibres		2.18	0.06	2.24
Contamination		0.06	0.14	0.20
Total		2.34	1.16	3.49

Waste Sort Results - 4-Season Average
Single Family
2017-2018 Rural Regional A

Material Category	Materials Accepted	Recycling Fibres	Recycling Containers	Recycling
		Mean	Mean	Mean
		(kg/hh/wk)	(kg/hh/wk)	(kg/hh/wk)
1. PRINTED PAPER				
Newspapers - Daily and weekly	F	0.167	0.006	0.173
Other Newspapers/Newsprint - Other	F	0.266	0.008	0.274
Magazines and Catalogues	F	0.062	0.005	0.067
Directories / Telephone books	F	0.006	0.001	0.006
Other Printed Paper (Obligated)	F	0.049	0.002	0.051
Other Printed Paper (Non-Obligated)	F	0.046	0.002	0.048
Total Paper		0.596	0.023	0.619
2. PAPER PACKAGING				
Gable Top Containers	C	0.014	0.025	0.039
Aseptic Containers (excluding alcoholic beverages)	C	0.003	0.007	0.010
Aseptic Containers - alcoholic beverages	C	0.000	0.000	0.000
Polycoat Beverage Cups	C	0.010	0.010	0.019
Spiral Wound Containers	C	0.001	0.006	0.008
Ice Cream Containers and Other Bleached Long Polycoat Fibre	C	0.004	0.003	0.006
Paper Laminate Packaging	W	0.004	0.001	0.005
Corrugated Cardboard	F	0.302	0.003	0.305
Boxboard/Cores/Molded Pulp	F	0.270	0.012	0.282
Other Paper Packaging (Non-Obligated)	F	0.003	0.000	0.003
Total Paper Packaging		0.609	0.069	0.678
3. PLASTICS				
#1 PET Bottles and Jars (excluding alcoholic beverages)	C	0.003	0.159	0.162
#1 PET Bottles and Jars -Coloured(excluding alcoholic beverages)	C	0.000	0.005	0.005
#1 PET Bottles and Jars ≥ 5 L(excluding alcoholic beverages)	C	0.000	0.003	0.003
#1 PET Bottles (alcoholic beverages)	C	0.000	0.001	0.001
#1 PET Thermoform - Clear	C	0.000	0.044	0.045
#1 PET Thermoform - Coloured	C	0.000	0.005	0.005
#2 HDPE Bottles and Jugs (Natural)(excluding alcoholic beverages)	C	0.000	0.015	0.015
#2 HDPE Bottles and Jugs (Coloured)(excluding alcoholic beverages)	C	0.000	0.041	0.042
#2 HDPE Bottles and Jugs ≥ 5 L(excluding alcoholic beverage)	C	0.000	0.007	0.007
#2 HDPE Bottles (alcoholic beverage containers)	C	0.000	0.000	0.000
#2 Other HDPE Containers	C	0.001	0.007	0.008
Flexible Film Plastic – LDPE & HDPE	F	0.034	0.019	0.053
LDPE/HDPE Film - Products (non-packaging)	W	0.004	0.003	0.007
#5 PP Bottles	C	0.000	0.010	0.010
#5 Other PP Containers	C	0.001	0.027	0.028
#5 Other PP Containers (Black)	C	0.000	0.007	0.007
#6 PS - Expanded Polystyrene	W	0.001	0.001	0.002
#6 PS - Expanded Polystyrene (Black)	W	0.000	0.000	0.001
#6 PS - Non-expanded Polystyrene	W	0.001	0.009	0.010
#6 PS - Non-expanded Polystyrene (Black)	W	0.000	0.002	0.002
Plastic Laminates and Other Film Packaging	W	0.011	0.010	0.021
Other Rigid Plastic Packaging	W	0.002	0.017	0.020
Other Rigid Plastic Packaging (Black)	W	0.000	0.002	0.002
Large HDPE & PP Pails & Lids	W	0.000	0.001	0.001
Other Plastics - (non-packaging/durable)	W	0.002	0.026	0.028
Total Plastics		0.061	0.421	0.482
4. METALS				
Aluminum- food and beverage Containers (excluding alcoholic beverage containers)	C	0.001	0.065	0.067
Aluminum (alcoholic beverage containers)	C	0.000	0.013	0.013
Aluminum Food & Beverage Containers Total				
Aluminum Foil & Foil Trays	C	0.000	0.004	0.004
Aluminum Aerosols	C	0.000	0.000	0.000
Other Aluminum (non-packaging)	W	0.000	0.000	0.000
Other Aluminum Packaging Total				
Steel Food and Beverage Cans	C	0.001	0.086	0.086
Steel Paint Cans	C	0.000	0.000	0.000
Steel Food & Beverage Containers Total				
Steel Aerosol Container	C	0.000	0.005	0.005
Other steel (non-packaging)	W	0.000	0.009	0.009
Other Steel Packaging Total				
Total Metals		0.002	0.183	0.185
5. GLASS				
Clear Glass - food and beverage (excluding alcohol containers)	C	0.000	0.148	0.148
Clear Glass - alcoholic beverage containers	C	0.001	0.056	0.057
Coloured Glass - food and beverage (excluding alcoholic beverage containers)	C	0.000	0.028	0.028
Coloured Glass - alcoholic beverage containers	C	0.000	0.073	0.073
Other Glass - non-Blue Box	W	0.000	0.014	0.014
Total Glass		0.002	0.319	0.320
6. MUNICIPAL HAZARDOUS AND SPECIAL WASTE				
Pressurized cylinders	W	0.000	0.001	0.001
Batteries (Consumer-type Portable)	W	0.000	0.001	0.001
Total MHSW		0.000	0.002	0.002
7. OTHER MATERIALS				
Additional Categories	W	0.013	0.048	0.061
Total Other Materials		0.013	0.048	0.061
Grand Total		1.283	1.064	2.347
		Recycling Fibres	Recycling Containers	Recycling
Accepted Containers		0.04	0.86	0.90
Accepted Fibres		1.20	0.06	1.26
Contamination		0.04	0.15	0.18
Total		1.28	1.06	2.35

Waste Sort Results - 4-Season Average
Single Family
2017-2018 Rural Regional B

Material Category	Materials Accepted	Recycling Fibres	Recycling Containers	Recycling
		Mean	Mean	Mean
		(kg/hh/wk)	(kg/hh/wk)	(kg/hh/wk)
1. PRINTED PAPER				
Newspapers - Daily and weekly	F	0.294	0.006	0.300
Other Newspapers/Newsprint - Other	F	0.460	0.017	0.478
Magazines and Catalogues	F	0.313	0.003	0.316
Directories / Telephone books	F	0.011	0.000	0.011
Other Printed Paper (Obligated)	F	0.125	0.003	0.128
Other Printed Paper (Non-Obligated)	F	0.204	0.005	0.209
Total Paper		1.407	0.034	1.441
2. PAPER PACKAGING				
Gable Top Containers	F	0.035	0.014	0.049
Aseptic Containers (excluding alcoholic beverages)	F	0.007	0.006	0.013
Aseptic Containers - alcoholic beverages	F	0.000	0.000	0.000
Polycoat Beverage Cups	W	0.012	0.005	0.017
Spiral Wound Containers	C	0.004	0.009	0.013
Ice Cream Containers and Other Bleached Long Polycoat Fibre	F	0.004	0.002	0.006
Paper Laminate Packaging	W	0.008	0.002	0.010
Corrugated Cardboard	F	0.490	0.007	0.496
Boxboard/Cores/Molded Pulp	F	0.383	0.025	0.408
Other Paper Packaging (Non-Obligated)	F	0.000	0.000	0.000
Total Paper Packaging		0.943	0.069	1.012
3. PLASTICS				
#1 PET Bottles and Jars (excluding alcoholic beverages)	C	0.004	0.175	0.178
#1 PET Bottles and Jars -Coloured(excluding alcoholic beverages)	C	0.000	0.006	0.007
#1 PET Bottles and Jars ≥ 5 L(excluding alcoholic beverages)	C	0.000	0.001	0.001
#1 PET Bottles (alcoholic beverages)	C	0.000	0.002	0.002
#1 PET Thermoform - Clear	C	0.001	0.048	0.049
#1 PET Thermoform - Coloured	C	0.001	0.007	0.007
#2 HDPE Bottles and Jugs (Natural)(excluding alcoholic beverages)	C	0.001	0.014	0.014
#2 HDPE Bottles and Jugs (Coloured)(excluding alcoholic beverages)	C	0.003	0.053	0.056
#2 HDPE Bottles and Jugs ≥ 5 L(excluding alcoholic beverage)	C	0.000	0.010	0.010
#2 HDPE Bottles (alcoholic beverage containers)	C	0.000	0.000	0.000
#2 Other HDPE Containers	C	0.000	0.006	0.006
Flexible Film Plastic – LDPE & HDPE	F	0.031	0.054	0.085
LDPE/HDPE Film - Products (non-packaging)	W	0.005	0.011	0.015
#5 PP Bottles	C	0.000	0.005	0.006
#5 Other PP Containers	C	0.001	0.037	0.038
#5 Other PP Containers (Black)	W	0.000	0.004	0.004
#6 PS - Expanded Polystyrene	C	0.001	0.014	0.015
#6 PS - Expanded Polystyrene (Black)	W	0.000	0.002	0.003
#6 PS - Non-expanded Polystyrene	C	0.001	0.019	0.020
#6 PS - Non-expanded Polystyrene (Black)	W	0.000	0.001	0.001
Plastic Laminates and Other Film Packaging	W	0.013	0.027	0.040
Other Rigid Plastic Packaging	W	0.005	0.038	0.044
Other Rigid Plastic Packaging (Black)	W	0.000	0.001	0.001
Large HDPE & PP Pails & Lids	C	0.000	0.000	0.000
Other Plastics - (non-packaging/durable)	W	0.003	0.068	0.072
Total Plastics		0.071	0.605	0.677
4. METALS				
Aluminum- food and beverage Containers (excluding alcoholic beverage containers)	C	0.001	0.056	0.057
Aluminum (alcoholic beverage containers)	C	0.000	0.007	0.007
Aluminum Food & Beverage Containers Total				
Aluminum Foil & Foil Trays	C	0.001	0.006	0.006
Aluminum Aerosols	C	0.000	0.001	0.002
Other Aluminum (non-packaging)	W	0.000	0.000	0.000
Other Aluminum Packaging Total				
Steel Food and Beverage Cans	C	0.003	0.120	0.123
Steel Paint Cans	C	0.000	0.000	0.000
Steel Food & Beverage Containers Total				
Steel Aerosol Container	C	0.000	0.007	0.008
Other steel (non-packaging)	W	0.001	0.011	0.012
Other Steel Packaging Total				
Total Metals		0.007	0.208	0.215
5. GLASS				
Clear Glass - food and beverage (excluding alcohol containers)	C	0.010	0.200	0.210
Clear Glass - alcoholic beverage containers	C	0.003	0.018	0.021
Coloured Glass - food and beverage (excluding alcoholic beverage containers)	C	0.000	0.029	0.029
Coloured Glass - alcoholic beverage containers	C	0.001	0.035	0.037
Other Glass - non-Blue Box	W	0.002	0.022	0.025
Total Glass		0.017	0.305	0.322
6. MUNICIPAL HAZARDOUS AND SPECIAL WASTE				
Pressurized cylinders	W	0.000	0.000	0.000
Batteries (Consumer-type Portable)	W	0.000	0.003	0.003
Total MHSW		0.000	0.003	0.003
7. OTHER MATERIALS				
Additional Categories	W	0.041	0.040	0.080
Total Other Materials		0.041	0.040	0.080
Grand Total		2.485	1.263	3.748
		Recycling Fibres	Recycling Containers	Recycling
Accepted Containers		0.04	0.89	0.92
Accepted Fibres		2.36	0.14	2.50
Contamination		0.09	0.24	0.33
Total		2.49	1.26	3.75

Waste Sort Results - 4-Season Average
Single Family
2018-2019 Medium Urban

	Materials Accepted	Recycling Fibres	Recycling Containers	Recycling
		Mean	Mean	Mean
		Kg/hh/week	Kg/hh/week	Kg/hh/week
1. PRINTED PAPER				
Newspapers - Daily and weekly	F	0.16	0.00	0.16
Other Newspapers/Newsprint - Other	F	0.31	0.00	0.31
Magazines and Catalogues	F	0.11	0.00	0.11
Directories / Telephone books	F	0.01	0.00	0.01
Other Printed Paper (Obligated)	F	0.08	0.00	0.08
Other Printed Paper (Non-Obligated)	F	0.06	0.00	0.06
Total Paper		0.72	0.00	0.72
2. PAPER PACKAGING				
Gable Top Containers - Food and other non-beverage	C	0.00	0.00	0.00
Gable Top Carton - Beverage non-dairy - Portion (≤ 600 mL / 20 oz.)	C	0.00	0.00	0.00
Gable Top Carton - Beverage non-dairy - Family (> 600 mL / 20 oz.)	C	0.00	0.00	0.01
Gable Top Carton - Dairy & Substitutes - Portion (≤ 600 mL / 20 oz.)	C	0.00	0.00	0.00
Gable Top Carton - Dairy & Substitutes - Family (> 600 mL / 20 oz.)	C	0.00	0.02	0.03
Gable Top Containers - Alcoholic Beverage	C	0.00	0.00	0.00
Aseptic Containers - Food and other non-beverage	C	0.00	0.00	0.00
Aseptic Carton - Beverage non-dairy - Portion (≤ 600 mL / 20 oz.)	C	0.00	0.00	0.01
Aseptic Carton - Beverage non-dairy - Family (> 600 mL / 20 oz.)	C	0.00	0.00	0.00
Aseptic Carton - Dairy & Substitutes - Portion (≤ 600 mL / 20 oz.)	C	0.00	0.00	0.00
Aseptic Carton - Dairy & Substitutes - Family (> 600 mL / 20 oz.)	C	0.00	0.00	0.00
Aseptic Containers - Alcoholic Beverage	C	0.00	0.00	0.00
Polycoat Beverage Cups	W	0.00	0.00	0.00
Spiral Wound Containers	W	0.00	0.01	0.01
Ice Cream Containers and Other Bleached Long Polycoat Fibre	W	0.00	0.00	0.00
Paper Laminate Packaging	W	0.00	0.00	0.00
Corrugated Cardboard	F	0.31	0.00	0.32
Boxboard/Cores/Molded Pulp	F	0.27	0.01	0.28
Other Paper Packaging (Non-Obligated)	F	0.00	0.00	0.00
Total Paper Packaging		0.60	0.05	0.66
3. PLASTICS				
#1 PET Bottles and Jars - Clear - Non-Beverage	C	0.00	0.03	0.03
#1 PET Bottles and Jars - Coloured - Non-Beverage	C	0.00	0.00	0.00
#1 PET Bottles and Jars - Black - Non-Beverage	C	0.00	0.00	0.00
#1 PET Bottles - Clear - Non-Alcoholic Beverage ≤ 1L	C	0.00	0.06	0.06
#1 PET Bottles - Clear - Non-Alcoholic Beverage > 1L	C	0.00	0.02	0.02
#1 PET Bottles - Coloured & Black- Non-Alcoholic Beverage	C	0.00	0.00	0.00
#1 PET Bottles - Clear - Alcoholic Beverage	C	0.00	0.00	0.00
#1 PET Bottles - Coloured & Black- Alcoholic Beverage	C	0.00	0.00	0.00
#1 PET Bottles and Jars ≥ 5 L - All	C	0.00	0.00	0.00
#1 PET Thermoform - Clear	W	0.00	0.02	0.02
#1 PET Thermoform - Coloured	W	0.00	0.00	0.00
#1 PET Thermoform - Black	W	0.00	0.00	0.00
#2 HDPE Bottles and Jugs (Natural) - Non-Beverage	C	0.00	0.01	0.01
#2 HDPE Bottles and Jugs (Coloured) - Non-Beverage	C	0.00	0.03	0.03
#2 HDPE Bottles and Jugs (Black) - Non-Beverage	C	0.00	0.00	0.00
#2 HDPE Bottles (Natural) - Non-Alcoholic Beverage - Non-dairy	C	0.00	0.00	0.00
#2 HDPE Bottles (Natural) - Non-Alcoholic Beverage - Dairy and Dairy Substitutes	C	0.00	0.00	0.00
#2 HDPE Bottles (Coloured & Black) - Non-Alcoholic Beverage - Non-dairy	C	0.00	0.00	0.00
#2 HDPE Bottles (Coloured and Black) - Non-Alcoholic Beverage - Dairy and Dairy Substitutes	C	0.00	0.00	0.00
#2 HDPE Bottles (Natural) - Alcoholic Beverage	C	0.00	0.00	0.00
#2 HDPE Bottles (Coloured & Black) - Alcoholic Beverage	C	0.00	0.00	0.00
#2 HDPE Bottles and Jugs ≥ 5 L - All	C	0.00	0.00	0.00
#2 Other HDPE Containers	W	0.00	0.00	0.00
Flexible Film Plastic - LDPE & HDPE	W	0.00	0.00	0.00
LDPE/HDPE Film - Products (non-packaging)	W	0.01	0.01	0.02
#5 PP Bottles - Non-Beverage	W	0.00	0.00	0.00
#5 PP Bottles - Non-Alcoholic Beverage	W	0.00	0.00	0.00
#5 PP Bottles - Alcoholic Beverage	W	0.00	0.00	0.00
#5 Other PP Containers	W	0.00	0.01	0.01
#5 Other PP Containers (Black)	W	0.00	0.00	0.00
#6 PS - Expanded Polystyrene	W	0.00	0.00	0.00
#6 PS - Expanded Polystyrene (Black)	W	0.00	0.00	0.00
#6 PS - Non-expanded Polystyrene - Non-beverage	W	0.00	0.00	0.00
#6 PS - Non-expanded Polystyrene (Black) - Non-Beverage	W	0.00	0.00	0.00
#6 PS Non-Expanded Polystyrene Bottles - Non-Alcoholic Beverage - Non-Dairy	W	0.00	0.00	0.00
#6 PS Non-Expanded Polystyrene Bottles - Non-Alcoholic Beverage - Dairy and Dairy Substitutes	W	0.00	0.00	0.00
#6 PS Non-Expanded Polystyrene Bottles - Alcoholic Beverage	W	0.00	0.00	0.00
Plastic Laminates and Other Film Packaging	W	0.00	0.00	0.00
Other Rigid Plastic Packaging - Non-Beverage	W	0.00	0.01	0.01
Other Rigid Plastic Packaging - Non-Beverage (Black)	W	0.00	0.00	0.00
Other Rigid Plastic Packaging - Non-Alcoholic Beverage Bottles	W	0.00	0.00	0.00
Other Rigid Plastic Packaging - Alcoholic Beverage Bottles	W	0.00	0.00	0.00
Large HDPE & PP Pails & Lids	W	0.00	0.00	0.00
Other Plastics - (non-packaging/durable)	W	0.00	0.00	0.00
Total Plastics		0.02	0.22	0.24
4. METALS				
Aluminum- Food Containers	C	0.00	0.00	0.00
Aluminum Containers - Non-Alcoholic Beverage	C	0.00	0.04	0.04
Aluminum Containers - Alcoholic Beverage	C	0.00	0.01	0.01
Aluminum Food & Beverage Containers Total				
Aluminum Foil & Foil Trays	W	0.00	0.00	0.00
Aluminum Aerosols	W	0.00	0.00	0.00
Other Aluminum (non-packaging)	W	0.00	0.00	0.00
Other Aluminum Packaging Total				
Steel Food Cans	C	0.00	0.08	0.08
Steel - Non-Alcoholic Beverage	C	0.00	0.00	0.00
Steel - Alcoholic Beverage	C	0.00	0.00	0.00
Steel Paint Cans	W	0.00	0.00	0.00
Steel Food & Beverage Containers Total				
Steel Aerosol Container	W	0.00	0.00	0.00
Other steel (non-packaging)	W	0.00	0.00	0.00
Other Steel Packaging Total				
Total Metals		0.00	0.14	0.14
5. GLASS				
Clear Glass - food and other products	C	0.00	0.14	0.14
Clear Glass - Non-Alcoholic Beverage	C	0.00	0.01	0.01
Clear Glass - Alcoholic Beverage	C	0.00	0.04	0.04
Coloured Glass - food and other products	C	0.00	0.01	0.01
Coloured Glass - Non-Alcoholic Beverage	C	0.00	0.01	0.01
Coloured Glass - Alcoholic Beverage	C	0.00	0.04	0.04
Other Glass - non-Blue Box	W	0.00	0.00	0.00
Total Glass		0.00	0.26	0.26
6. MUNICIPAL HAZARDOUS AND SPECIAL WASTE				
Pressurized cylinders	W	0.00	0.00	0.00
Batteries (Consumer-type Portable)	W	0.00	0.00	0.00
Total MHSW		0.00	0.00	0.00
7. OTHER MATERIALS				
All other materials	W	0.00	0.01	0.01
Total Other Materials		0.00	0.01	0.01
Grand Total		1.34	0.69	2.03
		Recycling Fibres	Recycling Containers	Recycling
Accepted Containers		0.01	0.59	0.60
Accepted Fibres		1.31	0.01	1.32
Contamination		0.02	0.08	0.11
Total		1.34	0.69	2.03

Waste Sort Results - 4-Season Average
Single Family
2018-2019 Rural Regional

	Materials Accepted	Recycling Fibres	Recycling Containers	Recycling
		Mean	Mean	Mean
		Kg/hh/week	Kg/hh/week	Kg/hh/week
1. PRINTED PAPER				
Newspapers - Daily and weekly	F	0.10	0.00	0.10
Other Newspapers/Newsprint - Other	F	0.38	0.00	0.38
Magazines and Catalogues	F	0.07	0.00	0.07
Directories / Telephone books	F	0.01	0.00	0.01
Other Printed Paper (Obligated)	F	0.10	0.00	0.10
Other Printed Paper (Non-Obligated)	F	0.07	0.00	0.07
Total Paper		0.73	0.00	0.73
2. PAPER PACKAGING				
Gable Top Containers - Food and other non-beverage	C	0.00	0.01	0.01
Gable Top Carton - Beverage non-dairy - Portion (≤ 600 mL / 20 oz.)	C	0.00	0.00	0.00
Gable Top Carton - Beverage non-dairy - Family (> 600 mL / 20 oz.)	C	0.00	0.00	0.01
Gable Top Carton - Dairy & Substitutes - Portion (≤ 600 mL / 20 oz.)	C	0.00	0.00	0.00
Gable Top Carton - Dairy & Substitutes - Family (> 600 mL / 20 oz.)	C	0.01	0.01	0.02
Gable Top Containers - Alcoholic Beverage	C	0.00	0.00	0.00
Aseptic Containers - Food and other non-beverage	C	0.00	0.00	0.00
Aseptic Carton - Beverage non-dairy - Portion (≤ 600 mL / 20 oz.)	C	0.00	0.00	0.00
Aseptic Carton - Beverage non-dairy - Family (> 600 mL / 20 oz.)	C	0.00	0.00	0.00
Aseptic Carton - Dairy & Substitutes - Portion (≤ 600 mL / 20 oz.)	C	0.00	0.00	0.00
Aseptic Carton - Dairy & Substitutes - Family (> 600 mL / 20 oz.)	C	0.00	0.00	0.00
Aseptic Containers - Alcoholic Beverage	C	0.00	0.00	0.00
Polycoat Beverage Cups	W	0.01	0.00	0.01
Spiral Wound Containers	C	0.00	0.01	0.01
Ice Cream Containers and Other Bleached Long Polycoat Fibre	C	0.00	0.00	0.00
Paper Laminate Packaging	W	0.01	0.00	0.01
Corrugated Cardboard	F	0.44	0.00	0.44
Boxboard/Cores/Molded Pulp	F	0.38	0.01	0.39
Other Paper Packaging (Non-Obligated)	F	0.02	0.00	0.02
Total Paper Packaging		0.87	0.05	0.92
3. PLASTICS				
#1 PET Bottles and Jars - Clear - Non-Beverage	C	0.00	0.05	0.05
#1 PET Bottles and Jars - Coloured - Non-Beverage	C	0.00	0.00	0.00
#1 PET Bottles and Jars - Black - Non-Beverage	C	0.00	0.00	0.00
#1 PET Bottles - Clear - Non-Alcoholic Beverage ≤ 1L	C	0.00	0.06	0.06
#1 PET Bottles - Clear - Non-Alcoholic Beverage > 1L	C	0.00	0.03	0.03
#1 PET Bottles - Coloured & Black- Non-Alcoholic Beverage	C	0.00	0.00	0.00
#1 PET Bottles - Clear - Alcoholic Beverage	C	0.00	0.00	0.00
#1 PET Bottles - Coloured & Black- Alcoholic Beverage	C	0.00	0.00	0.00
#1 PET Bottles and Jars ≥ 5 L - All	C	0.00	0.00	0.00
#1 PET Thermoform - Clear	C	0.00	0.04	0.04
#1 PET Thermoform - Coloured	C	0.00	0.00	0.00
#1 PET Thermoform - Black	C	0.00	0.00	0.00
#2 HDPE Bottles and Jugs (Natural) - Non-Beverage	C	0.00	0.01	0.01
#2 HDPE Bottles and Jugs (Coloured) - Non-Beverage	C	0.00	0.04	0.04
#2 HDPE Bottles and Jugs (Black) - Non-Beverage	C	0.00	0.00	0.00
#2 HDPE Bottles (Natural) - Non-Alcoholic Beverage - Non-dairy	C	0.00	0.00	0.00
#2 HDPE Bottles (Natural) - Non-Alcoholic Beverage - Dairy and Dairy Substitutes	C	0.00	0.00	0.00
#2 HDPE Bottles (Coloured & Black) - Non-Alcoholic Beverage - Non-dairy	C	0.00	0.00	0.00
#2 HDPE Bottles (Coloured and Black) - Non-Alcoholic Beverage - Dairy and Dairy Substitutes	C	0.00	0.00	0.00
#2 HDPE Bottles (Natural) - Alcoholic Beverage	C	0.00	0.00	0.00
#2 HDPE Bottles (Coloured & Black) - Alcoholic Beverage	C	0.00	0.00	0.00
#2 HDPE Bottles and Jugs ≥ 5 L - All	C	0.00	0.00	0.00
#2 Other HDPE Containers	C	0.00	0.01	0.01
Flexible Film Plastic - LDPE & HDPE	C	0.00	0.04	0.05
LDPE/HDPE Film - Products (non-packaging)	W	0.00	0.01	0.01
#5 PP Bottles - Non-Beverage	C	0.00	0.00	0.00
#5 PP Bottles - Non-Alcoholic Beverage	C	0.00	0.00	0.00
#5 PP Bottles - Alcoholic Beverage	C	0.00	0.00	0.00
#5 Other PP Containers	C	0.00	0.03	0.03
#5 Other PP Containers (Black)	C	0.00	0.01	0.01
#6 PS - Expanded Polystyrene	W	0.00	0.00	0.00
#6 PS - Expanded Polystyrene (Black)	W	0.00	0.00	0.00
#6 PS - Non-expanded Polystyrene - Non-beverage	C	0.00	0.01	0.01
#6 PS - Non-expanded Polystyrene (Black) - Non-Beverage	C	0.00	0.00	0.00
#6 PS Non-Expanded Polystyrene Bottles - Non-Alcoholic Beverage - Non-Dairy	C	0.00	0.00	0.00
#6 PS Non-Expanded Polystyrene Bottles - Non-Alcoholic Beverage - Dairy and Dairy Substitutes	C	0.00	0.00	0.00
#6 PS Non-Expanded Polystyrene Bottles - Alcoholic Beverage	C	0.00	0.00	0.00
Plastic Laminates and Other Film Packaging	W	0.00	0.02	0.02
Other Rigid Plastic Packaging - Non-Beverage	W	0.00	0.03	0.03
Other Rigid Plastic Packaging - Non-Beverage (Black)	W	0.00	0.00	0.00
Other Rigid Plastic Packaging - Non-Alcoholic Beverage Bottles	C	0.00	0.00	0.00
Other Rigid Plastic Packaging - Alcoholic Beverage Bottles	C	0.00	0.00	0.00
Large HDPE & PP Pails & Lids	W	0.00	0.00	0.00
Other Plastics - (non-packaging/durable)	W	0.00	0.03	0.03
Total Plastics		0.01	0.47	0.48
4. METALS				
Aluminum- Food Containers	C	0.00	0.01	0.01
Aluminum Containers - Non-Alcoholic Beverage	C	0.00	0.06	0.06
Aluminum Containers - Alcoholic Beverage	C	0.00	0.01	0.01
Aluminum Food & Beverage Containers Total				
Aluminum Foil & Foil Trays	C	0.00	0.00	0.00
Aluminum Aerosols	C	0.00	0.00	0.00
Other Aluminum (non-packaging)	W	0.00	0.00	0.00
Other Aluminum Packaging Total				
Steel Food Cans	C	0.00	0.09	0.09
Steel - Non-Alcoholic Beverage	C	0.00	0.01	0.01
Steel - Alcoholic Beverage	C	0.00	0.00	0.00
Steel Paint Cans	C	0.00	0.00	0.00
Steel Food & Beverage Containers Total				
Steel Aerosol Container	C	0.00	0.01	0.01
Other steel (non-packaging)	W	0.00	0.01	0.01
Other Steel Packaging Total				
Total Metals		0.00	0.20	0.20
5. GLASS				
Clear Glass - food and other products	C	0.00	0.18	0.18
Clear Glass - Non-Alcoholic Beverage	C	0.00	0.01	0.01
Clear Glass - Alcoholic Beverage	C	0.00	0.08	0.08
Coloured Glass - food and other products	C	0.00	0.01	0.01
Coloured Glass - Non-Alcoholic Beverage	C	0.00	0.01	0.01
Coloured Glass - Alcoholic Beverage	C	0.00	0.09	0.09
Other Glass - non-Blue Box	W	0.00	0.01	0.01
Total Glass		0.00	0.40	0.40
6. MUNICIPAL HAZARDOUS AND SPECIAL WASTE				
Pressurized cylinders	W	0.00	0.00	0.00
Batteries (Consumer-type Portable)	W	0.00	0.00	0.00
Total MHSW		0.00	0.00	0.00
7. OTHER MATERIALS				
All other materials	W	0.02	0.04	0.05
Total Other Materials		0.02	0.04	0.05
Grand Total		1.62	1.16	2.78
		Recycling Fibres	Recycling Containers	Recycling
Accepted Containers		0.03	1.00	1.03
Accepted Fibres		1.56	0.01	1.57
Contamination		0.03	0.15	0.18
Total		1.62	1.16	2.78

Waste Sort Results - 3-Season Average					
Single Family					
2019-2020 Rural Regional					
Material Category	Materials Accepted?	Waste Stream:	Fibres	Containers	Recycling
		Notes:	kg/hh/wk	kg/hh/wk	kg/hh/wk
		Weight (kg)	Weight (kg)	Weight (kg)	Weight (kg)
1. PRINTED PAPER					
Newspapers - Daily and weekly	F	0.18	0.00	0.00	
Other Newspapers/Newsprint - Other	F	0.30	0.00	0.00	
Magazines and Catalogues	F	0.11	0.00	0.00	
Directories / Telephone books	F	0.01	0.00	0.00	
Other Printed Paper (Obligated)	F	0.13	0.00	0.00	
Other Printed Paper (Non-Obligated)	F	0.13	0.00	0.00	
Total Paper		0.86	0.00	0.00	
2. PAPER PACKAGING					
Gable Top Containers - Food and other non-beverage	F	0.01	0.00	0.00	
Gable Top Carton - Beverage non-dairy - Portion (≤ 600 mL / 20 oz.)	F	0.00	0.00	0.00	
Gable Top Carton - Beverage non-dairy - Family (> 600 mL / 20 oz.)	F	0.01	0.00	0.00	
Gable Top Carton - Dairy & Substitutes - Portion (≤ 600 mL / 20 oz.)	F	0.00	0.00	0.00	
Gable Top Carton - Dairy & Substitutes - Family (> 600 mL / 20 oz.)	F	0.02	0.00	0.00	
Gable Top Containers - Alcoholic Beverage	F	0.00	0.00	0.00	
Aseptic Containers - Food and other non-beverage	F	0.00	0.00	0.00	
Aseptic Carton - Beverage non-dairy - Portion (≤ 600 mL / 20 oz.)	F	0.00	0.00	0.00	
Aseptic Carton - Beverage non-dairy - Family (> 600 mL / 20 oz.)	F	0.00	0.00	0.00	
Aseptic Carton - Dairy & Substitutes - Portion (≤ 600 mL / 20 oz.)	F	0.00	0.00	0.00	
Aseptic Carton - Dairy & Substitutes - Family (> 600 mL / 20 oz.)	F	0.00	0.00	0.00	
Aseptic Containers - Alcoholic Beverage	F	0.00	0.00	0.00	
Polycoat Beverage Cups	F	0.03	0.00	0.00	
Spiral Wound Containers	C	0.00	0.00	0.00	
Ice Cream Containers and Other Bleached Long Polycoat Fibre	F	0.00	0.00	0.00	
Paper Laminate Packaging	W	0.01	0.00	0.00	
Corrugated Cardboard	F	0.42	0.01	0.01	
Boxboard/Cores/Molded Pulp	F	0.40	0.01	0.01	
Other Paper Packaging (Non-Obligated)	F	0.01	0.00	0.00	
Total Paper Packaging		0.93	0.02	0.02	
3. PLASTICS					
#1 PET Bottles and Jars - Clear - Non-Beverage	C	0.00	0.04	0.04	
#1 PET Bottles and Jars - Coloured - Non-Beverage	C	0.00	0.00	0.00	
#1 PET Bottles and Jars - Black - Non-Beverage	C	0.00	0.00	0.00	
#1 PET Bottles - Clear - Non-Alcoholic Beverage ≤ 1L	C	0.00	0.06	0.06	
#1 PET Bottles - Clear - Non-Alcoholic Beverage > 1L	C	0.00	0.03	0.03	
#1 PET Bottles - Coloured & Black - Non-Alcoholic Beverage	C	0.00	0.00	0.00	
#1 PET Bottles - Clear - Alcoholic Beverage	C	0.00	0.00	0.00	
#1 PET Bottles - Coloured & Black - Alcoholic Beverage	C	0.00	0.00	0.00	
#1 PET Bottles and Jars ≥ 5 L - All	C	0.00	0.00	0.00	
#1 PET Thermoform - Clear	C	0.00	0.06	0.06	
#1 PET Thermoform - Coloured	C	0.00	0.00	0.00	
#1 PET Thermoform - Black	C	0.00	0.00	0.00	
#2 HDPE Bottles and Jugs (Natural) - Non-Beverage	C	0.00	0.02	0.02	
#2 HDPE Bottles and Jugs (Coloured) - Non-Beverage	C	0.00	0.05	0.05	
#2 HDPE Bottles and Jugs (Black) - Non-Beverage	C	0.00	0.00	0.00	
#2 HDPE Bottles (Natural) - Non-Alcoholic Beverage - Non-dairy	C	0.00	0.00	0.00	
#2 HDPE Bottles (Natural) - Non-Alcoholic Beverage - Dairy and Dairy Substitutes	C	0.00	0.00	0.00	
#2 HDPE Bottles (Coloured & Black) - Non-Alcoholic Beverage - Non-dairy	C	0.00	0.00	0.00	
#2 HDPE Bottles (Coloured and Black) - Non-Alcoholic Beverage - Dairy and Dairy Substitutes	C	0.00	0.01	0.01	
#2 HDPE Bottles (Natural) - Alcoholic Beverage	C	0.00	0.00	0.00	
#2 HDPE Bottles (Coloured & Black) - Alcoholic Beverage	C	0.00	0.00	0.00	
#2 HDPE Bottles and Jugs ≥ 5 L - All	C	0.00	0.00	0.00	
#2 Other HDPE Containers	C	0.00	0.00	0.00	
Flexible Film Plastic - LDPE & HDPE	F	0.06	0.00	0.00	
LDPE/HDPE Film - Products (non-packaging)	W	0.00	0.00	0.00	
#5 PP Bottles - Non-Beverage	C	0.00	0.01	0.01	
#5 PP Bottles - Non-Alcoholic Beverage	C	0.00	0.00	0.00	
#5 PP Bottles - Alcoholic Beverage	C	0.00	0.00	0.00	
#5 Other PP Containers	C	0.00	0.05	0.05	
#5 Other PP Containers (Black)	C	0.00	0.01	0.01	
#6 PS - Expanded Polystyrene	C	0.00	0.02	0.02	
#6 PS - Expanded Polystyrene (Black)	W	0.00	0.00	0.00	
#6 PS - Non-expanded Polystyrene - Non-beverage	C	0.00	0.01	0.01	
#6 PS - Non-expanded Polystyrene (Black) - Non-Beverage	C	0.00	0.00	0.00	
#6 PS Non-Expanded Polystyrene Bottles - Non-Alcoholic Beverage - Non-Dairy	C	0.00	0.00	0.00	
#6 PS Non-Expanded Polystyrene Bottles - Non-Alcoholic Beverage - Dairy and Dairy	C	0.00	0.00	0.00	
#6 PS Non-Expanded Polystyrene Bottles - Alcoholic Beverage	C	0.00	0.00	0.00	
Plastic Laminates and Other Film Packaging	W	0.03	0.00	0.00	
Other Rigid Plastic Packaging - Non-Beverage	W	0.00	0.02	0.02	
Other Rigid Plastic Packaging - Non-Beverage (Black)	W	0.00	0.00	0.00	
Other Rigid Plastic Packaging - Non-Alcoholic Beverage Bottles	C	0.00	0.00	0.00	
Other Rigid Plastic Packaging - Alcoholic Beverage Bottles	C	0.00	0.00	0.00	
Large HDPE & PP Pails & Lids	C	0.00	0.00	0.00	
Other Plastics - (non-packaging/durable)	W	0.00	0.02	0.02	
Total Plastics		0.11	0.44	0.44	
4. METALS					
Aluminum- Food Containers	C	0.00	0.01	0.01	
Aluminum Containers - Non-Alcoholic Beverage	C	0.00	0.05	0.05	
Aluminum Containers - Alcoholic Beverage	C	0.00	0.01	0.01	
Aluminum Food & Beverage Containers Total		0.00	0.07	0.07	
Aluminum Foil & Foil Trays	C	0.00	0.01	0.01	
Aluminum Aerosols	W	0.00	0.00	0.00	
Other Aluminum (non-packaging)	W	0.00	0.00	0.00	
Other Aluminum Packaging Total		0.00	0.01	0.01	
Steel Food Cans	C	0.00	0.12	0.12	
Steel - Non-Alcoholic Beverage	C	0.00	0.00	0.00	
Steel - Alcoholic Beverage	C	0.00	0.00	0.00	
Steel Paint Cans	W	0.00	0.00	0.00	
Steel Food & Beverage Containers Total		0.00	0.12	0.12	
Steel Aerosol Container	W	0.00	0.00	0.00	
Other steel (non-packaging)	W	0.00	0.00	0.00	
Other Steel Packaging Total		0.00	0.01	0.01	
Total Metals		0.00	0.20	0.20	
5. GLASS					
Clear Glass - food and other products	C	0.00	0.18	0.18	
Clear Glass - Non-Alcoholic Beverage	C	0.00	0.03	0.03	
Clear Glass - Alcoholic Beverage	C	0.00	0.03	0.03	
Coloured Glass - food and other products	C	0.00	0.03	0.03	
Coloured Glass - Non-Alcoholic Beverage	C	0.00	0.00	0.00	
Coloured Glass - Alcoholic Beverage	C	0.00	0.04	0.04	
Other Glass - non-Blue Box	W	0.00	0.01	0.01	
Total Glass		0.01	0.32	0.32	
6. MUNICIPAL HAZARDOUS AND SPECIAL WASTE					
Pressurized cylinders	W	0.00	0.00	0.00	
Batteries (Consumer-type Portable)	W	0.00	0.00	0.00	
Total MHSW		0.00	0.00	0.00	
8. OTHER MATERIALS					
All other materials	W	0.01	0.06	0.06	
Total Other Materials		0.01	0.06	0.06	
Grand Total		1.91	1.04	1.04	
		Fibres	Containers	Recycling	
Accepted Containers		0.02	0.90	0.90	
Accepted Fibres		1.84	0.02	0.02	
Contamination		0.06	0.12	0.12	
Total		1.91	1.04	1.04	