

2019 Composition Summary

	Garbage Summary			Recycling Summary		
	Mean	Upper Bound	Lower Bound	Mean	Upper Bound	Lower Bound
	Newsprint	0.4%	0.6%	0.3%	6.0%	8.6%
Recyclable OCC	0.8%	1.0%	0.6%	12.8%	15.0%	10.7%
Recyclable E-Commerce OCC	0.3%	0.5%	0.1%	3.7%	4.8%	2.5%
Pizza Boxes	0.6%	0.8%	0.4%	1.1%	1.4%	0.8%
Non-Recyclable OCC	0.3%	0.4%	0.1%	1.4%	2.6%	0.2%
Kraft Paper/paperboard	1.9%	2.2%	1.6%	6.5%	7.4%	5.7%
High Grade Office Paper	1.5%	2.3%	0.7%	2.1%	2.8%	1.3%
Magazines/ Glossy	0.6%	0.8%	0.5%	5.8%	7.6%	3.9%
Polycoated/ Aseptic Containers	0.3%	0.4%	0.2%	0.6%	0.7%	0.4%
Mixed (Other Recyclable)	1.8%	2.5%	1.2%	4.5%	5.5%	3.6%
Other (Non-Recyclable)	10.8%	11.9%	9.6%	5.5%	6.5%	4.5%
Paper Subtotal	19.2%	20.6%	17.8%	49.9%	53.6%	46.3%
PET Containers	2.4%	2.7%	2.0%	5.9%	6.7%	5.0%
HDPE Containers - Natural	0.5%	0.7%	0.2%	1.4%	1.6%	1.1%
HDPE Containers - Colored	0.6%	0.8%	0.5%	1.7%	2.0%	1.3%
#3 - #7 Containers	0.4%	0.5%	0.4%	0.4%	0.5%	0.3%
Polypropylene	0.8%	1.0%	0.6%	0.8%	1.0%	0.6%
Non Recyclable Plastic	10.9%	11.8%	9.9%	6.8%	7.6%	5.9%
Plastic Subtotal	15.6%	16.8%	14.4%	16.8%	18.1%	15.5%
Aluminum Used Beverage Containers	0.6%	0.8%	0.5%	1.7%	2.0%	1.4%
Ferrous Metal Food Containers	0.9%	1.1%	0.7%	1.1%	1.4%	0.9%
Other Ferrous Metal	0.9%	1.1%	0.6%	1.2%	1.8%	0.6%
Other Non-Ferrous Metal	0.9%	1.2%	0.7%	0.4%	0.5%	0.3%
Metals Subtotal	3.3%	3.8%	2.8%	4.4%	5.2%	3.6%
Recyclable Glass	3.7%	4.7%	2.6%	14.5%	17.2%	11.7%
Non-Recyclable Glass	0.9%	1.1%	0.6%	1.4%	2.1%	0.6%
Glass Subtotal	4.5%	5.5%	3.5%	15.8%	18.8%	12.8%
Yard Waste	3.8%	6.4%	1.1%	0.5%	1.0%	0.0%
Wood (non-C&D)	0.4%	0.6%	0.1%	0.4%	0.9%	0.0%
Food Waste	31.3%	34.0%	28.5%	3.5%	4.9%	2.0%
Other Organics	14.4%	16.5%	12.2%	6.1%	8.1%	4.2%
Organics Subtotal	49.8%	52.9%	46.7%	10.5%	13.3%	7.7%
Recyclable C&D	0.3%	0.4%	0.1%	0.0%	0.0%	0.0%
Other C&D	1.0%	1.8%	0.2%	0.5%	1.3%	0.0%
C&D Subtotal	1.2%	2.1%	0.4%	0.5%	1.3%	0.0%
Electronics	0.8%	1.2%	0.3%	0.7%	1.0%	0.3%
HHW	0.8%	1.3%	0.3%	0.1%	0.1%	0.0%
Bulky Waste	0.8%	1.5%	0.1%	0.4%	1.1%	0.0%
Problem Materials Subtotal	2.4%	3.3%	1.4%	1.1%	1.9%	0.4%
Other Inorganics	0.7%	1.0%	0.4%	0.7%	1.7%	0.0%
Fines	3.3%	3.7%	2.8%	0.1%	0.3%	0.0%
Other Subtotal	4.0%	4.5%	3.4%	0.8%	1.8%	0.0%

2020 Composition Summary

	Garbage Summary			Recycling Summary		
	Mean	Upper Bound	Lower Bound	Mean	Upper Bound	Lower Bound
	Newsprint	0.4%	0.5%	0.3%	3.3%	4.8%
Recyclable OCC	1.3%	1.5%	1.0%	11.5%	13.8%	9.2%
Recyclable E-Commerce OCC	0.2%	0.3%	0.2%	6.9%	8.7%	5.0%
Pizza Boxes	0.1%	0.1%	0.0%	0.8%	1.4%	0.3%
Non-Recyclable OCC	0.4%	0.5%	0.3%	1.2%	1.6%	0.8%
Kraft Paper/paperboard	2.4%	2.7%	2.0%	7.9%	8.8%	6.9%
High Grade Office Paper	0.9%	1.3%	0.5%	1.7%	2.5%	1.0%
Magazines/ Glossy	0.6%	0.8%	0.3%	2.8%	3.8%	1.7%
Polycoated/ Aseptic Containers	0.3%	0.4%	0.2%	0.7%	0.9%	0.4%
Mixed (Other Recyclable)	2.7%	4.2%	1.2%	4.2%	5.4%	2.9%
Other (Non-Recyclable)	12.1%	13.1%	11.0%	5.3%	6.5%	4.2%
2020 Paper Subtotal	21.3%	23.2%	19.4%	46.1%	49.3%	43.0%
PET Containers	2.1%	2.3%	1.9%	5.6%	6.2%	4.9%
HDPE Containers - Natural	0.3%	0.4%	0.3%	1.2%	1.6%	0.8%
HDPE Containers - Colored	0.5%	0.6%	0.4%	1.3%	1.6%	1.1%
#3 - #7 Containers	0.4%	0.6%	0.3%	0.3%	0.4%	0.2%
Polypropylene	0.7%	0.8%	0.6%	0.9%	1.2%	0.7%
Non Recyclable Plastic	11.1%	12.0%	10.1%	8.8%	10.1%	7.6%
2020 Plastic Subtotal	15.1%	16.2%	14.1%	18.1%	19.9%	16.4%
Aluminum Used Beverage Containers	0.6%	0.8%	0.5%	2.1%	2.5%	1.8%
Ferrous Metal Food Containers	0.9%	1.0%	0.7%	1.4%	1.8%	1.1%
Other Ferrous Metal	1.0%	1.3%	0.7%	1.2%	1.8%	0.6%
Other Non-Ferrous Metal	0.8%	1.0%	0.6%	0.6%	0.9%	0.4%
2020 Metals Subtotal	3.3%	3.8%	2.8%	5.4%	6.3%	4.6%
Recyclable Glass	3.9%	4.8%	3.1%	14.8%	17.2%	12.5%
Non-Recyclable Glass	0.7%	0.9%	0.5%	1.7%	2.7%	0.7%
2020 Glass Subtotal	4.7%	5.5%	3.8%	16.5%	18.8%	14.2%
Yard Waste	5.1%	7.3%	3.0%	0.3%	0.4%	0.1%
Wood (non-C&D)	0.4%	0.6%	0.2%	0.4%	0.7%	0.1%
Food Waste	27.8%	30.3%	25.2%	6.3%	8.4%	4.2%
Other Organics	13.2%	15.8%	10.5%	4.2%	5.3%	3.0%
2020 Organics Subtotal	46.5%	49.0%	43.9%	11.1%	14.0%	8.2%
Recyclable C&D	0.1%	0.2%	0.0%	0.0%	0.1%	0.0%
Other C&D	1.6%	2.8%	0.4%	0.9%	1.8%	0.0%
2020 C&D Subtotal	1.6%	2.8%	0.4%	1.0%	1.9%	0.1%
Electronics	0.8%	1.2%	0.3%	0.4%	0.8%	0.0%
HHW	0.4%	0.7%	0.1%	0.1%	0.2%	0.0%
Bulky Waste	0.3%	0.7%	0.0%	0.1%	0.3%	0.0%
2020 Problem Materials Subtotal	1.4%	2.1%	0.7%	0.6%	1.0%	0.2%
Other Inorganics	2.7%	3.7%	1.8%	0.9%	2.0%	0.0%
Fines	3.3%	3.7%	2.9%	0.2%	0.4%	0.0%
2020 Other Subtotal	6.0%	7.1%	5.0%	1.1%	2.2%	0.1%

Material Category Summary

	2019		2020		Percent Change between 2019 and 2020	
	Garbage	Recycling	Garbage	Recycling	Garbage	Recycling
Paper	19.2%	49.9%	21.3%	46.1%	2.1%	-3.8%
Plastic	15.6%	16.8%	15.1%	18.1%	-0.4%	1.3%
Metals	3.3%	4.4%	3.3%	5.4%	0.0%	1.0%
Glass	4.5%	15.8%	4.7%	16.5%	0.1%	0.7%
Organics	49.8%	10.5%	46.5%	11.1%	-3.3%	0.6%
C&D	1.2%	0.5%	1.6%	1.0%	0.4%	0.4%
Problem Materials	2.4%	1.1%	1.4%	0.6%	-0.9%	-0.5%
Other	4.0%	0.8%	6.0%	1.1%	2.1%	0.3%
Total	100%	100%	100%	100%		

	2019	2020
Unadjusted Contamination Rate	28.0%	30.8%
Adjusted Contamination Rate	23.9%	26.0%

Note: Contamination rate adjusted to better reflect the composition of the material that is delivered and processed by MRFs in the region. Only 75% of the weights of contamination categories including non-recyclable plastic, food waste, and other organics are considered. These weights are adjusted because during the sorting event non-recyclable plastic category included bulky plastic, a material that several MRFs in the region sort and sell. Also, food waste and other organics are often moisture rich, and their volume and weight reduced due to spillage and evaporation in transportation and handling of material at the MRFs.

