



**BUSINESS PERFORMANCE
AND ENVIRONMENTAL
SUSTAINABILITY DEPARTMENT
MEMORANDUM**

TO: MAYOR J. LEHMAN AND MEMBERS OF COUNCIL

FROM: S. BRUNET, B.SC., MANAGER OF BUSINESS PERFORMANCE AND ENVIRONMENTAL SUSTAINABILITY

RICHARD STEPHENS, WASTE REDUCTION COORDINATOR

NOTED: A. MILLER, RPP, GENERAL MANAGER OF INFRASTRUCTURE AND GROWTH MANAGEMENT

M. PROWSE, CHIEF ADMINISTRATIVE OFFICER

RE: COMMENCEMENT OF A WASTE COMPOSITION STUDY PROGRAM

DATE: MAY 3RD, 2021

PURPOSE

The purpose of this Memorandum is to update members of Council on the commencement of a comprehensive Waste Composition Study Program that will support the implementation of a Circular Economy Approach to Waste Management for the City of Barrie (City).

BACKGROUND

The Waste Composition Studies Program will collect, sample, and analyze the makeup of garbage, recycling and organic waste associated with municipal collection services. The information and data generated from the studies will instruct, guide, support and measure the success of the Circular Economy's three areas of priority:

- The Protection of Natural Assets;
- The Preservation of Landfill Space; and
- Alignment and Compliance with Provincial Full Producer Responsibility Programs.

The Waste Composition Studies will focus on four areas of municipal waste collection:

- a) Single Family Residential Curbside Collection Services;
- b) Multi-Residential Waste Collection Services;
- c) Public Spaces (BIA, Parks, Roadside and Waterfront Locations); and
- d) Waste and Recycling Depot (located at the Barrie Landfill).

The schedule for each comprehensive Waste Composition Study is included in Table 1. The first Study is set to begin Spring 2021.



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Table 1

Waste Composition Study Schedule				
Season	2021	2022	2023	2024
Spring	Single Family Residential Curbside Collection	Multi Residential Collection & Waste and Recycling Depot Waste	Single Family Residential Curbside Collection	Multi Residential Collection & Waste and Recycling Depot
Summer	Public Spaces	Waste and Recycling Depot	Public Spaces	Waste and Recycling Depot
Fall	Single Family Residential Curbside Collection	Multi Residential Collection & Waste and Recycling Depot Waste	Single Family Residential Curbside Collection	Multi Residential Collection & Waste and Recycling Depot Waste

SINGLE FAMILY RESIDENTIAL CURBSIDE COLLECTION STUDY – SAMPLE COLLECTION

Single Family Residential Waste Studies will be conducted over a two (2) week period in Spring and Fall 2021 and 2023.

During each two-week period, the City's Waste Study Contractor (AET Group Inc.) will collect, transport and sort garbage, organic and recycling waste from 200 residential locations across the City.

The Waste Study Contractor will collect waste from each of the selected residential locations using cube vans, trucks, and trailers. Signage will be posted on the driver and passenger side of each vehicle indicating that the Contractor is working on behalf of the City of Barrie.

Residential units not selected for the Waste Study will continue to have their waste collected by the City's regular Waste Collection Contractor (Waste Connections of Canada).

NOTIFICATION AND RESIDENTIAL INQUIRIES

City Staff would like to emphasize that only waste "set out" information will be documented for individual households. All waste collected for the purpose of each Study will be combined, sorted, and weighed on an aggregate level. Waste composition information that would identify an individual or household will not be recorded or retained.

All inquiries that arise because of the studies should be directed to RethinkWaste@Barrie.ca. Staff will be addressing inquiries on a daily basis.

Environmental Sustainability Staff will inform and educate Service Barrie to ensure all inquiries are dealt with in a timely, professional manner.



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In the event a resident approaches the City's Waste Study Contractor (AET Group Inc.) during the Single-Family Residential Curbside Study, the resident will be provided with a letter to inform them about the Study. The letter will direct the resident to email RethinkWaste@Barrie.ca if they have any questions or concerns.

NEXT STEPS

The first study cycle will begin in June of this year.

A program debrief will assist in improving on any challenges experienced during the first cycle.

The resulting data and conclusions will assist with communication planning, as well as with the development of the future waste collection contract.