



# Organics Management Plan Next Steps

Waste Management Services

Re: Report #2023-WR-3

Works Committee

February 8, 2023

# Short-term Organics Management Solution

- The proposal to build a Region-owned Mixed Waste Pre-sort(MWP) and Anaerobic Digestion (AD) facility was postponed due to the current inflationary environment resulting in significantly higher project cost.
- Short-term solution is a 10-year AD processing contract with a 3rd party organics processing provider.
- Food and Organic Waste Policy Statement
  - 70 per cent diversion in single family homes by 2023
  - 50 per cent diversion in multi-residential buildings by 2025

# Enhanced Green Bin

- Wet AD processing of the Region's organic waste will allow additional materials to be accepted in the Green Bin.
- The Enhanced Green Bin will accept diapers, adult incontinence products, personal sanitary products, pet waste and pet litter and other materials.
- The Enhanced Green Bin will benefit residents by accepting more odorous waste weekly in the Green Bin program.



# Garbage Bag Limit Reduction

- Currently, 80 per cent of residents set out three garbage bags or fewer every other week.
- The service improvement associated with the Enhanced Green Bin will move more odorous diapers and pet waste out of the garbage for weekly collection in the Green Bin.
- A garbage bag limit reduction from 4 bags every other week to 3 bags will reflect the shift of additional organic waste streams from disposal (garbage bag) to diversion (Green Bin).
- Extensive education on the limit reduction will be undertaken and the enforcement of the reduction will be phased in. Garbage bag tags will continue to be available.



# Multi-residential Organics Program



- The Region currently services 415 multi-residential developments with garbage and blue box collection. Significant growth is occurring for in this type of development.
- Program and technology changes allow the Region to introduce a source separated organics program in multi-residential developments. Approximately 40 per cent of the multi-residential garbage stream is acceptable in an Enhanced Green Bin program.
- A multi-residential organics program will be phased in over several years and may require unique collection solutions for existing multi-residential developments.

# Potential Financial Implications

- Total costs are dependent on a range of factors including:
  - Overall organics tonnage growth, capture rates and household participation rates under an Enhanced Green Bin program
  - Organics contract processing rate under an Enhanced Green Bin program (using AD technology) versus Status Quo of food and soiled paper waste only in the current Green Bin program.
- An Enhanced Green Bin program is estimated to have a net operating cost impact between \$0.4 million to \$1 million subject to implementation plan
- Financial implications of Enhanced Green Bin program for multi-residential properties will be further assessed to determine logistical and financial implications



# Long-term Organics Management Solution

- MWP with AD
  - Interim solution will further inform development of long-term objective and project concept(s)



# Timing

- Notice of Planned Procurement posted December 15, 2022
  - Outlines the Region's intent to seek a 3<sup>rd</sup> party AD organic processing contract.
- Request for Prequalification in Q1 2023.
- Planned Contract Tendering process in late 2023.
- Award and launch of new contract by July 1, 2024 (existing organics processing contract ends on June 30, 2024). Launch Enhanced Green Bin at the same time.
- Implement the Region's long-term solution by 2035





# Thank you

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