

Solid Waste Management: 2020 Strategic Issues and Financial Forecast



Service Excellence for our Communities

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Strategic Issues and Financial Forecast 2020

- New format for 2020; replaces the Servicing and Financing Study
- Provides an overview of solid waste management issues to inform the 2020 business planning and budget deliberations
- Two key areas of change for Durham Region and solid waste management industry as a whole:
 - Extended Producer Responsibility (EPR) for tires, electronics, household hazardous waste and blue box materials
 - Food and Organic Waste Policy Statement – targets and timelines for municipalities and businesses to reduce food waste and divert organics out of the garbage stream



Transition to Extended Producer Responsibility

Handout - Item 4. A)
EFW-WMAC February 25, 2020

- EPR transition timing for each existing program is shown in the table
- Region will continue to provide collection services for tires, batteries, electronics and MHSW as these items don't have widespread collection options
- Blue Box transition options and obligations are still being developed

EPR Program	Existing Program End Date	New Program Start Date
Used Tires	December 31, 2018	January 1, 2019
Used Batteries	June 30, 2020	July 1, 2020
Waste Electronics and Electrical Equipment	December 31, 2020	January 1, 2021
Municipal Hazardous and Special Waste	June 30, 2021 (Stewardship Ontario program only)	July 1, 2021
Blue Box	December 31, 2022 with three-year transition period	January 1, 2023 – December 31, 2025, depending on municipal transition status



Food and Organic Waste Policy Statement

- Issued on April 30, 2018 and provides direction to provincial ministries, municipalities, industrial, commercial and institutional establishments and the waste management sector to reduce food waste and increase resource recovery from food and organic waste
- Requires Durham to meet a performance target of 70 per cent waste reduction and resource recovery of food and organic waste generated by its single-family dwellings by 2023
- Multi-residential building owners must achieve 50 per cent organic waste reduction by 2025
- The recently approved Anaerobic Digestion with Mixed Waste Pre-Sorting initiative satisfies the Policy Statement



Long Term Waste Management Plan

Guiding Principals:

1. Working with rapid and diverse population growth to ensure community vitality and innovate how the Region delivers cost effective waste management services to its communities.
2. Working in collaboration with producers and importers of designated products and packaging under “Extended Producer Responsibility” regulations and strategies to transition the full costs for managing these materials from municipalities to producers and importers.
3. Applying innovative approaches to repurposing the Region’s waste streams and managing them as resources in a circular economy and developing local opportunities that contribute toward ensuring the Region’s economic prosperity.
4. Demonstrating leadership in sustainability to address the climate crisis by adopting new or adjusting existing waste management programs and technologies and green energy solutions to reduce greenhouse gas emissions.

Consultation and plan development will take place over the next two years until January 2022



- Regional Growth: rapid and diverse population growth and urban intensification will challenge the Region's waste management service delivery models and volume of waste managed.
- Changing Collections to Enhance Diversion: increase in multi-residential and high-density developments require specialized services for municipal waste collection; alternate waste collection methods for new residential developments are being considered with local municipalities, developers and service providers
- Modernizing Promotion and Education: Ensure messaging is effective, accessible and multi-lingual; enhance secondary school outreach and public engagement for the Long-Term Waste Management Plan development

Financial Implications

- 2019 Solid Waste Management services were funded by a combination of user fees at Waste Management Facilities, revenues from sale of blue box materials, producer funding for 50 per cent of blue box costs, electricity and other revenues from DYEC and residential property taxes. The average residential property tax cost was \$16 per month for solid waste services
- Similar financing will be used for 2020 operational costs
- 2020 will see the implementation of a development charge by-law that includes waste diversion services. Capital projects will also be funded by solid waste reserves, debentures and other financing
- 2020 Business Plans and Budgets for Solid Waste Management are before Council on February 26, 2020.

