



Hamilton

# Solid Waste Management Master Plan

Item 7.7

# Solid Waste Management Master Plan

- Scope of work for next Solid Waste Management Master Plan has been developed so that a Request for Proposal can be released following approval of capital budget
- Project Milestones:
  - Request for Proposal to be released in March
  - Work to be awarded in July
  - Work to be completed by end of February 2025
  - Report planned to go to Public Works Committee in April 2025

# Solid Waste Management Master Plan

## 2020 Solid Waste Management Master Plan Action Items Progress






Work not Started - ✘

Work in Progress - 



Work Completed - ✓

| Item | Description                                  | Status | Notes  |
|------|--|--------|--|
| 1    | Policies on inter-municipal partnerships     | ✓      | Establish a policy that clearly defines ability of staff to engage in partnerships with other municipalities.  |
| 2    | Support community reduce and reuse programs  | ✓      | Policy created to provide greater support to programs run by community and non-profit groups that prioritize reuse and waste reduction.  |
| 3    | Increased curbside enforcement               | ✓      | Project resulted in a combination of proactive and reactive enforcement strategies (i.e. on demand and complaint driven); Adjustment in staff structure; change in data reporting and creation of priority levels. |
| 4    | Update single-family waste audit methodology | ✓      | Update methodology to provide more accurate and useable data. Audit completed in fall of 2022 with new methodology.  |

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| Item | Description   | Status  | Notes  |
|------|---|---|--|
| 5    | Development options for Material Recycling Facility (MRF) |    | Determine most effective use of property post blue box transition. Review ongoing on Corporate facility requirements.  |
| 6    | Waste performance metrics and related policies            |    | Metrics for waste diversion and single-family and multi-residential capture rate of organics presented to WMSC on June 23 <sup>rd</sup> . Landfill life and annual consumption being drafted. Metrics to be confirmed through SWMMP process. |
| 7    | Construction and demolition (C&D) waste program           |    | Municipal scan complete, feasibility study/pilot for C&D to be completed.  |
| 8    | Existing program improvements                             |   | Focus on improving business recognition, waste diversion at special events & school education. School education and diversion at events complete. Business recognition Q2, 2024  |
| 9    | Trash tag program   |  | Reviewing current program to identify efficiencies and opportunities. Waste audits currently happening.  |





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| Item | Description   | Status  | Notes   |
|------|---|---|---|
| 10   | Preparation for next waste collection contract (2028) |  | Investigate efficiencies and innovations for waste collection that could be included in next waste collection contract i.e. automated collection. Garbage cart feasibility study has commenced. |
| 11   | Green procurement                                     |  | Waste staff to contribute to development of internal policies supporting green procurement. Federal regulation to act as a guide.   |

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|------|-----------------------------------|--------|---|
| 1    | Multi-Residential data gathering  | ✓      | Waste audit and pilot concluded in 2021, resident survey completed. Follow-up audit conducted in 2022 and results finalized. Recommendations for program improvements presented at June 23 <sup>rd</sup> WMSC. Program implementation in 2024 |
| 2    | Waste design requirements         | ✓      | Revised policy approved by Council in November 2021   |
| 3    | Single-use plastic (SUP) strategy | 📈      | Strategy approved by Council, implementation began in 2021 to complete action items. Staff maintaining knowledge or, and commenting on, federal regulation updates.   |
| 4    | Route optimization software       | 📈      | Phases 1, 2 & 3 complete resulting in GIS based routes and route management system. Draft report completed, rollout to commence in Q2, 2024.  |

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|------|--|--|--|
| 5    | Blue box transition                                  |   | Transition scheduled for April 1, 2025; transition tool and roadmap developed. Reports to come to PWC in 2024 to decide on servicing.  |
| 6    | Central Composting Facility capacity (CCF)           |   | Staff exploring options for the future of the organics management. Report on options for processing organics complete, evaluation of options to be completed by end of 2024. |
| 7    | Transfer Station/Community Recycling Centre Capacity |   | Feasibility of new or expanded facility as current facilities will soon surpass capacity. Staff studying potential locations and determining cost of available land.         |
| 8    | Glanbrook Landfill Development                       |  | Expansion into stage 4 of the Landfill and improvements to the compost pad. Construction of Cells C, D & E is in progress.   |