

Waste Management Services Divisional Overview

Waste Management Planning Steering Committee
February 25, 2019

Waste Management Services Sections

Catherine Habermebl

Director

Waste Management Services (32 Permanent FTEs)

Collections and Diversion (8 FTEs)

Sherri Tait, Associate Director

Waste Disposal Operations and Engineering (16 FTEs)

Emil Prpic, Associate Director

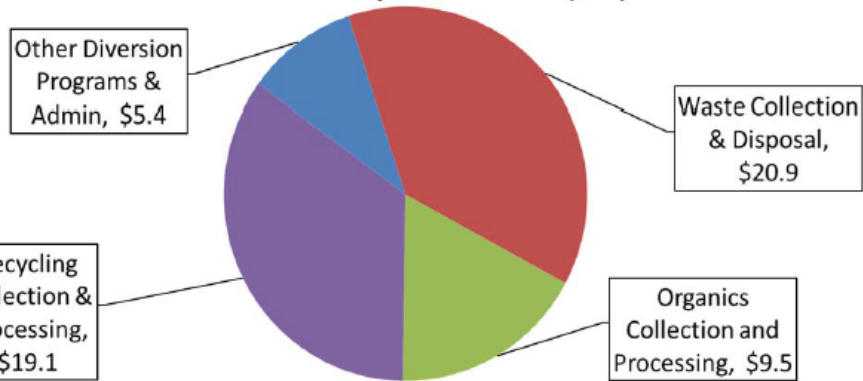
Waste Policy & Planning (5 FTEs)

Lydia Torbicki, Manager

Waste Management Services Overview

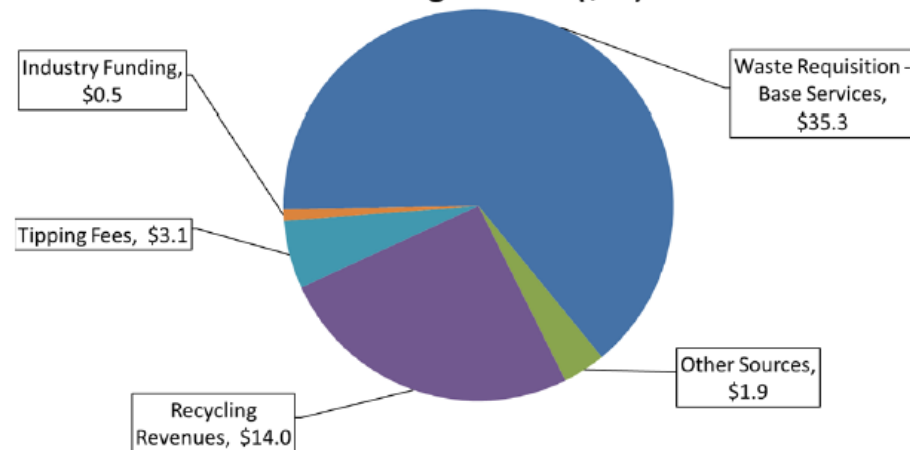
2019 Operating Budget: \$54.9 Million (Gross); \$35.3 Million (Net)

Gross Costs by Service Area (\$M)



78.2% of these costs are outsourced

Funding Sources (\$M)



Waste Management Services Overview

- Responsible for the planning, management and operations of waste management facilities, programs and services throughout the Region
 - Private sector service contracts for collection, organic composting and landfill disposal
- In 2017:
 - Managed 278,000 tonnes of material
 - Landfilled 118,000 tonnes of waste
 - Diverted 130,000 tonnes of material
- Current diversion rate is 56%
- Diversion goal of 65% by 2020



Facilities

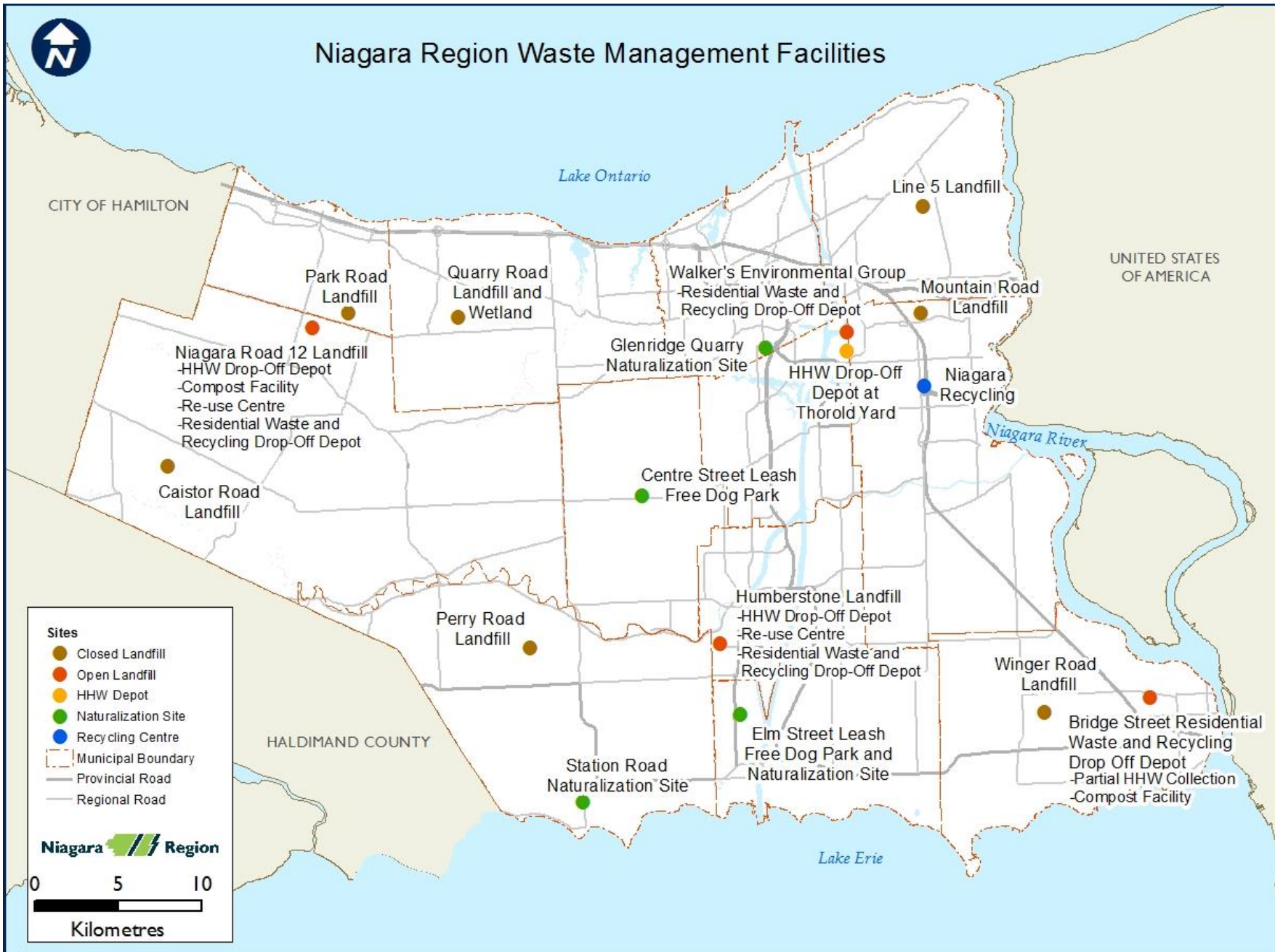
Management and maintenance of:

- 3 Household Hazardous Waste Depots
- 4 Residential Drop-off Depots
- 2 Reusable Good Centres
- 2 Regional Landfills
- 1 Composting Facility
- 1 Recycling Centre
- 12 Closed Landfills
- 4 Naturalization Sites





Niagara Region Waste Management Facilities



Collection Services Program Summary

Base Services:

- Weekly; Garbage (one container limit per unit), Blue/Grey Box Recycling (unlimited), Green Bin Organics (unlimited), Leaf/Yard Waste (no grass clippings), Bulky/White Goods (call or schedule online)
- Seasonal Brush/branches (eight times-per-year)
- Once-per-year Christmas Trees (grounded/shredded) and curbside Household Battery collection (April)
- Multi-Residential (apartments/condos), Mixed-Use and Industrial, Commercial and Institutional (IC&I) recycling and organics collection (cart-based and curbside collection)

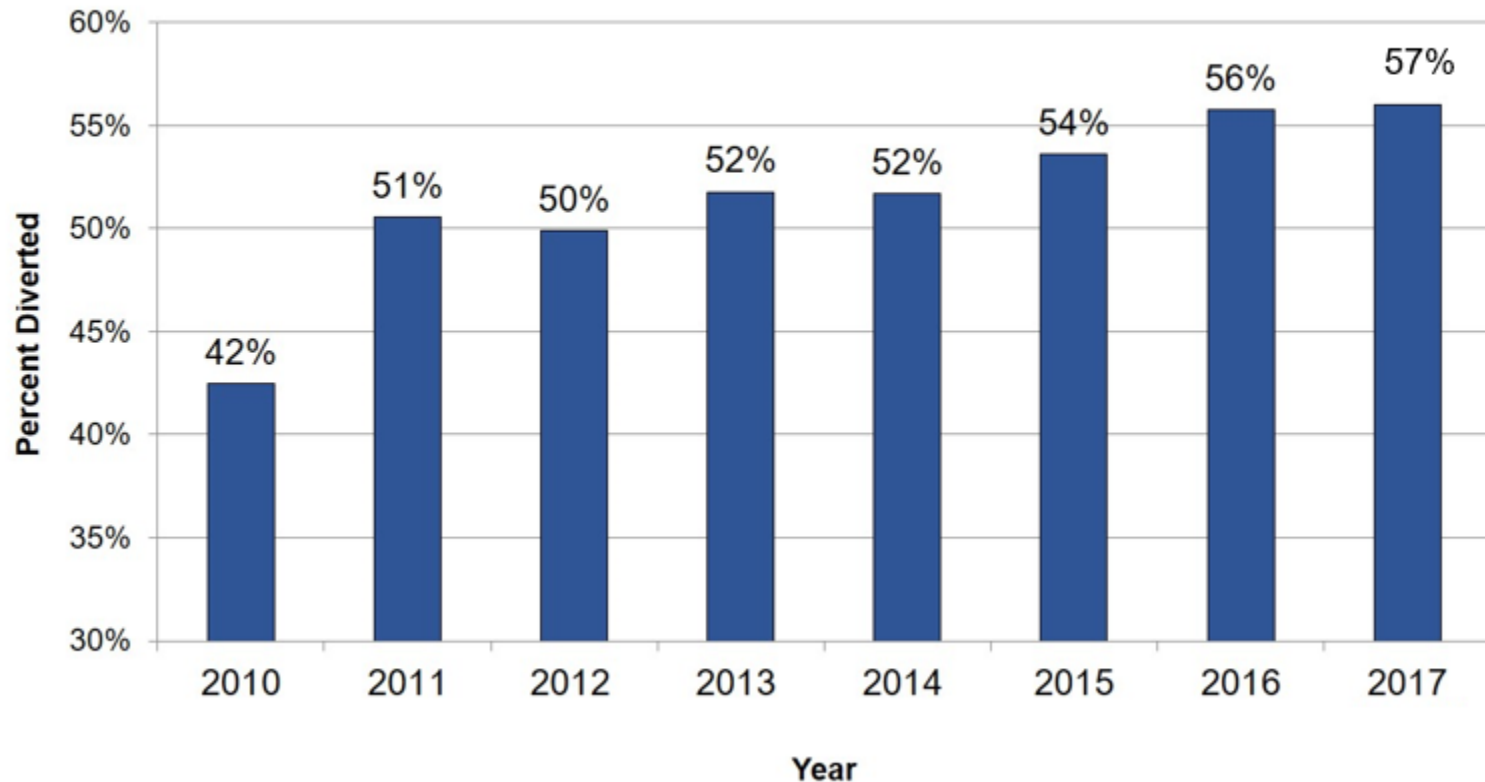
Enhanced Services:

- Front-end garbage collection at Multi-Residential properties
- Additional street litter/public space garbage and recycling collection
- Additional waste/recycling collection in Designated Business Areas

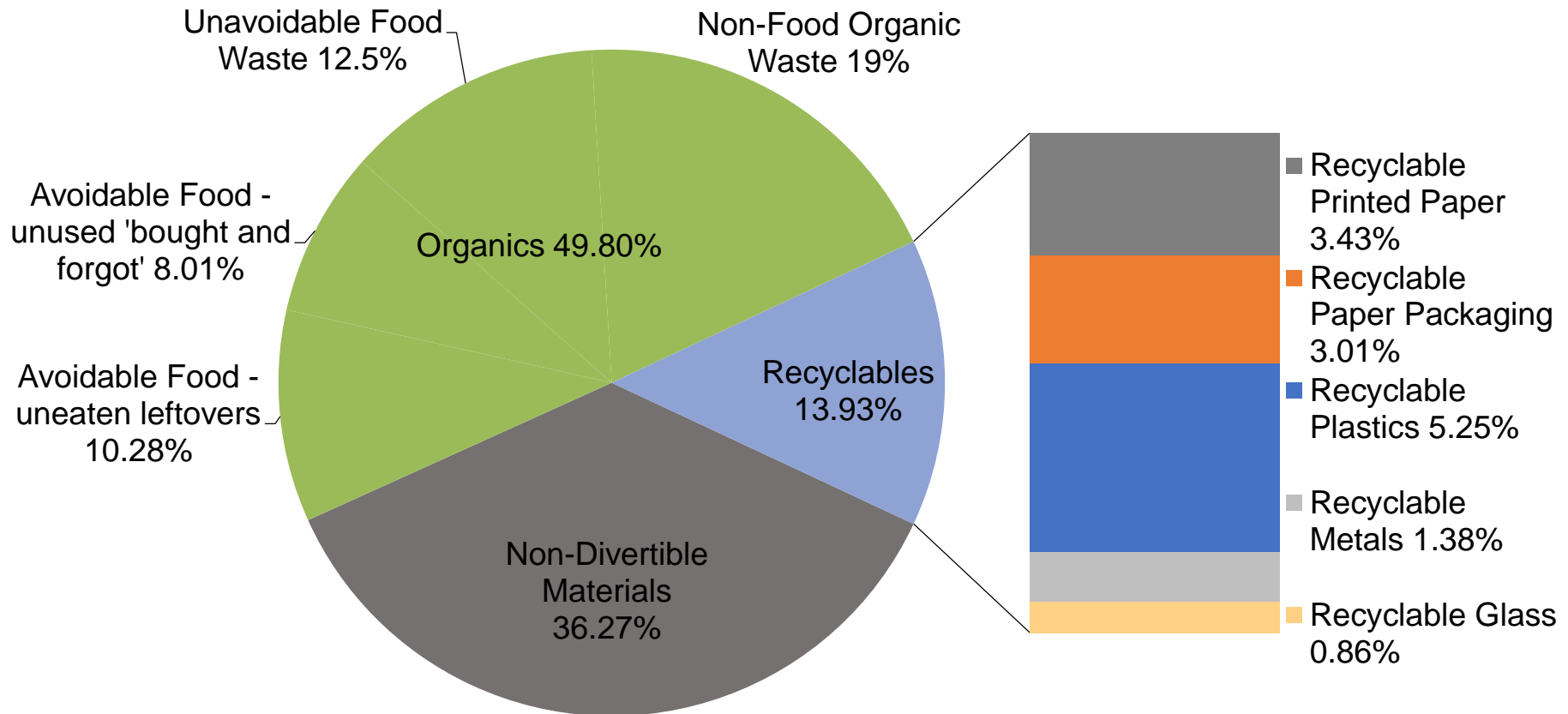
Diversion Programs & Other Initiatives

- Special events recycling and organics collection
- Public space recycling (with funding to local municipalities)
- Curbside battery collection
- Multi-residential electronics recycling and battery collection program; textile recycling pilot in progress
- Waste and residential drop-off depots with special diversion programs for electronics, construction and demolition material, porcelain recycling, Broken Spoke bicycle recycling program, large rigid plastic household items for recycling
- Household hazardous waste program
- Eco-Ambassador and ReThink Your Waste at the Workplace programs
- Social marketing and outreach with rewards programs (e.g. Gold Star program) and by-law enforcement
- Multi-stakeholder Illegal Dumping Working Group

2010-17 Residential Diversion Rates – Niagara Region



2015-16 Garbage Composition (319 kg/hh/yr)



Governing Legislation

- Environmental Protection Act
- Ontario Water Resources Act
- Environmental Assessment Act
- Province's Waste Free Ontario Act, 2016 :
 - Comprised of Resource Recovery and Circular Economy Act (RRCEA) and Waste Diversion Transition Act (WDTA)
 - High-level enabling legislation provides the framework to place full responsibility of the end of life management of products and packaging on producers i.e. producers have full financial and operational responsibility for designated diversion programs

Provincial Initiatives

- Related strategies, regulations and other initiatives which are impacting/will impact Regional waste management include:
 - Food and Organic Waste Framework, April 2018
 - Proposed [Made-in-Ontario Environment Plan](#)
- Transition of the following program plans to full producer responsibility:
 - Used Tires Program by December 31, 2018
 - Waste Electrical and Electronic Equipment (WEEE) and Battery Programs by June 30, 2020
 - Municipal Hazardous or Special Waste (MHSW) Program by December 31, 2020

Provincial Initiatives

- Transition of the residential Blue Box program to full producer responsibility:
 - Details on transition, impact to collection and processing contracts, definition of the service delivery framework and potential compensation for surplus assets have not been defined
 - Anticipated that a Blue Box program regulation under RRCEA (similar to tires, WEEE, MHSW programs) is the next step
 - In the case of the Region's Blue Box program, based on the 2018 program cost, approximately \$3.5m would be removed from the taxpayer burden
 - Recycling Centre (or Material Recycling Facility (MRF)) could be a potentially devalued asset

Provincial Initiatives

- Transition of the residential Blue Box program to full producer responsibility cont'd:
 - In order to try to mitigate risk to the Region, the MRF Opportunity Review was initiated in 2016 to develop a recommendation for the preferred MRF ownership structure (i.e. possible sale of the MRF or a joint venture arrangement, etc.)
 - Three of four phases of the review are complete
 - **Niagara Region Council direction is to proceed with the last phase of the review although transition of the Blue Box program to full full producer responsibility has been delayed and the status and future timing is still unknown**

Major 2019 Initiatives

- Service level review – recommendation report to PWC on March 19
 - Development of communication strategy and campaign – RFP issuance Q4 2019
- Development of new waste, recycling and organics collection contracts – issuance in May 2019 (target date)
- Social marketing and outreach campaigns:
 - Anti-litter Campaign – Q2 2019
 - Rebranding of Illegal Dumping initiative – Q2 2019
 - Green Bin Campaign – Q3/Q4 2019
- Long Term Strategic Plan – RFP development Q4 2019
- Phase 4 MRF Opportunity Review - RFP issuance March 2019

Major 2019 Initiatives

- By-law and related policy review and updates
- Humberstone infrastructure upgrades for landfill expansion – Phase 1
- Asset inventory and asset condition project
- Glenridge decommissioning leachate collection system
- Drop-off depot improvement design - Bridge Street and Niagara Road 12
- Annual projects:
 - Benchmarking report
 - Assessment/monitoring of alternative technologies

Waste Management Advisory Committee (WMAC)

- Max of 18 individuals from the community at large representing residents, institutions or businesses from across Niagara; one of which shall be a representative of the Ontario Federation of Agriculture
- Chair of the WMAC and a second member of the WMAC shall sit on WMPSC
- Motions from WMAC are received by WMPSC for consideration
- Mandate is to provide advice and recommendations that will facilitate the implementation of new programs, initiatives and implementation of the Region's Long-term Waste Management System



More Recycling
Less Waste

Rethink YOUR Waste

Questions?