City of Toronto’s Integrated Waste Management System

Step 1: Waste collected from industrial, commercial and institutional sources or received directly at Transfer Station.

Step 2: Transferred to one of 7 Transfer Stations

Step 3: From Transfer Stations waste is sent to recycling facilities, Green Bin and Yard Waste processing facilities or Green Lane Landfill

Green Bin and Leaf & Yard Waste Facilities

Recycling Facility / Other Recycling

Green Lane Landfill
Long Term Waste Management Strategy

1. Where are we? Reviewed current waste management policies, programs and facilities.

2. Where do we need to go? Identified the system's gaps and challenges. Examined Toronto's anticipated needs over the next 30-50 years.

3. How do we get there? Determined what options were available to us.

4. What are the options? Evaluated options to manage Toronto's waste into the future.

5. Which options should we use? Established recommended options that were appropriate for Toronto.

6. How and When? Decided how and when the recommendations were put into action.

Long Term Waste Strategy Recommended Options

- mobile depots & recycling
- partnerships & collaboration
- 3Rs in apartments & condos
- swaps & exchanges
- food waste reduction & textiles
- recovery of resources
- enforcement & measurement of success
Focus on reducing, reusing and recycling/composting waste to promote resource conservation and reduced environmental impacts.

3Rs: Reduce, Reuse Recycle Options

- Food waste Reduction Strategy
- Textile Collection and Re-Use Strategy
- Mobile Drop-Off Service
- Swaps and Exchange Events
- Reverse Vending Machines
- Sharing Library
In addition to the 3Rs opportunities, the Waste Strategy recommends other ways to increase diversion at Multi-Residential buildings.

Data Management and Accessibility

Support for Community Composting

By-Laws and Enforcement

55% of Torontonians live in apartments and condos and 45% live in single family homes.

- Residents in single family homes divert 65% of their waste
- Residents in apartments & condos divert 27% of their waste
Key Multi-Residential Engagement Outcomes of Waste Strategy

• City Council direction: consult on the feasibility of requiring all Multi-Residential and Industrial, Commercial and Institutional buildings, regardless of collection provider, to develop and implement waste diversion programs that correspond with all waste diversion programs provided to City-serviced customers
  • Report back to Public Works and Infrastructure Committee in 2017
• A Multi-Residential Waste Diversion Advisory Group will be established in 2017
Proposed Multi-Residential Rates

- 2017 Budget process currently underway
  - Executive Committee – December 1, 2016
  - City Council – December 13-14, 2016
  - Changes effective – January 1, 2017

<table>
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<tr>
<th>Customer Group</th>
<th>2016 gross fee</th>
<th>2017 gross fee</th>
<th>gross fee % increase</th>
<th>2016 customer cost/yr</th>
<th>2017 customer cost*/yr</th>
<th>Customer cost $ Increase</th>
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<tbody>
<tr>
<td>Multi-Residential base fee per unit</td>
<td>$209.04</td>
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* Assuming 2016 rebate levels in 2017. 2017 rebates to be determined during 2017 Tax-Based Budget.
Waste Diversion Services Provided by the City

- Blue Bin Recycling
- Green Bin Organics
- Toxic Taxi (Household Hazardous Waste)
- E-waste
- Oversized and Metal Items
- Yard Waste
PROGRAMS

• Free organics kitchen catchers and in unit recycling bags for all residents
• Staff will do site visits to provide advice to property managers and superintendents
• Staff can host lobby displays to educate residents
Mayor’s Towering Challenge

• Over 130 buildings have registered for challenge

• Over the 6 month challenge period, SWMS staff will provide outreach and support to registered buildings

• Online resources and tools available at: toronto.ca/toweringchallenge
Contamination Campaign
Contamination is anything that doesn’t belong in the Blue Bin and Green Bin Programs. It’s a problem:

• Reduces revenue and extra processing costs
• Garbage mixed with recyclables and organics will contaminate a load
• May result in non-collection at the building
• Is hard to remove from large recycling and organics containers
• Residents need to know what can & cannot be diverted
• Can also have Blue Bin and Green Bin material in the garbage
Contamination: Problematic Materials

- Contamination of Blue Bin Recyclables is on the rise
- Blue Bins have almost 25% improper materials by weight
- Amount of food waste improperly placed in Blue Bin is growing
- Textiles found in recycling on the rise
- VHS tapes, chains, hoses, electrical cords, medical waste, coffee cups, HHW, e-waste, black bags also found in Blue Bins
Managing Contamination at Multi-Residential Buildings

• Staff will inspect building recycling bins prior to collection
• Recycling bins with obvious garbage/non-recyclables will be rejected from recycling collection
• Rejected materials will be collected as garbage and building contact will be informed
• Cost of collecting rejected material will be added to the building’s garbage bill
Preventing Contamination

• Sign board with actual samples of what is not accepted in the program
• Signage (posters and stickers) on and above the container
• Remove contamination as soon as it occurs
• **Caution:** use litter pickers or work gloves
Promotion and Education

Residents need to know:

• What can & cannot be diverted
• 3Rs is a priority for your building
• How to prepare items for diversion
• Location of Blue Bins (recycling) and Green Bins (organics)
• Benefits of participation
Ways Toronto can help

• Signage and bin stickers
• Posters for display
• Apartment Recycling Calendar
• Roll-up display banners for loan
• In-unit containers (recycling and organics)
• 3Rs Ambassador Volunteer Program
• Lobby displays/Presentations
• Site visits
• toronto.ca/recycling
Resident Engagement:
3Rs Ambassador Volunteer Program

• Volunteer-driven waste diversion education and outreach program
• City trains volunteers
• Residents teaching residents
  • Examples of activities: lobby displays, presentations, sorting games
• City provides free resources and support

Community-based, customizable and creative to suit your buildings’ waste diversion needs!
thank you