

Toronto Waste Strategy

(Text-only version)

Robyn Shyllit
Public Consultation Unit

Tel: (416) 392-3760
TTY: (416)-338-0889
wastestrategy@toronto.ca

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Below is the text from the presentation titled: Toronto Waste Strategy – Draft Waste Strategy Overview

Tonight's Agenda

- 6:00 – 7:00 - Registration, Open House Panel Walk Through
- 7:00 – 7:30 - Presentation
 - Introducing the Draft Waste Strategy
 - We've Been Listening
 - The Recommended Options
 - Implementing the Strategy
 - Benefits of the Strategy
 - Measuring Success
 - What's Next?
- 7:30 – 8:30 - Q&A

Why Do We Need a Waste Strategy?

The City manages almost 1,000,000 tonnes of waste each year.

- Maximize Life of Green Lane Landfill
- Reduce, Reuse, Recycle
- Improve Waste Diversion
- Minimize Need for New Infrastructure
- Work Together
- Maintain Flexibility

The Waste Strategy Vision

The Vision

Together, we will **Reduce** the amount of waste we generate, **Reuse** what we can, and **Recycle** and recover the remaining resources to reinvest back into the economy.

We will **embrace** a waste management system that is **user-friendly**, with programs and facilities that balance the needs of the **community** and the **environment** with long term financial sustainability. Together, we will ensure a safe, clean, beautiful and healthy City for the future.

The Waste Strategy Process

- 1. Where are we?**
Review of current waste management policies, programs and facilities.
- 2. Where do we need to go?**
Identify the system's gaps and challenges. Examine Toronto's anticipated needs over the next 30-50 years.
- 3. How do we get there?**
Determine what options are available to us.
- 4. What are the options?**
Evaluate options to manage Toronto's waste into the future.
- 5. Which options should we use?**
Establish recommended options that are appropriate for Toronto.
- 6. How and when?**
Decide how and when the recommendations will be put into action.
- 7. What's the strategy? (We are here)**
We're seeking public comments on the Draft Waste Strategy to inform the final version that will be submitted to Toronto City Council for approval in July 2016.

Integrated Waste Management System

Graphic depicts a circular flow chart, clearly showing that all the following are all connected and are continuously moving from one to the other:

- Promotion and Education
- Generation, Reduce and Reuse
- Collections Drop-Off
- Transfer
- Recycling and Processing
- Recovery
- Residual Disposal
- Overall System Considerations
- Enforcement
- System Financing

The graphic also shows the following influence on this integrated waste management system:

- Internal System Influences/Pressures:
 - City of Toronto Policy
 - Growing Population
 - Changing Demographics
 - Enforcement
- External System Influences:
 - Federal and Provincial Legislation
 - Extended Producer Responsibility
 - Programs and Infrastructure Funding
 - Climate Change
 - Economic Conditions
 - Markets and Market Access
 - Changing Waste Composition

We've Been Listening

- Surveys
- Stakeholder Advisory Group
- Key Stakeholder Meetings
- Community Events and Open Houses
- Vendor Days
- Website and Social Media
- Project Updates
- Wast(ED) Speaker Series

What We Heard

Key Messages from the public, Stakeholder Advisory Group and other key stakeholders:

- work to mitigate climate change;
- prioritize 3Rs, particularly reduce and reuse;
- consider partnerships;
- enhance enforcement;
- treat waste as a resource and reinforce a circular economy; and,
- prioritize our community's health and environment.

The Draft Waste Strategy Recommended Options

Reduce. Reuse. Recycle.

The Draft Waste Strategy focuses on reducing, reusing and recycling/ composting waste to promote the importance of resource conservation and reduced environmental impacts.

- Food Waste Reduction Strategy
- Mobile Drop-off Service
- Swaps and Exchange Events
- Textile Collection and Re-Use Strategy
- Sharing Library
- Reverse Vending Machines

Apartments and Condos

In addition to the 3Rs opportunities, the Draft Waste Strategy recommends other ways to increase diversion at multi-residential buildings.

- Data Management and Accessibility
- Support for Community Composting
- Policies and Enforcement

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

- Residents in single family homes divert 66% of their waste
- Residents in apartments and condos divert 26% of their waste

Business

The City provides some waste management services to businesses, along with disposal options at City transfer stations and Green Lane Landfill. Most businesses in the city receive waste management services from private waste haulers.

The City is considering options that encourage greater diversion of waste from businesses, including new policies and programs.

- Exploring recycling by-laws and incentives
- Adding more small commercial customers to the City's Yellow Bag program

Home Renovators

Construction, Renovation and Demolition waste refers to materials that are generated from home and yard renovations. These materials can include items such as wood, drywall, plaster, asphalt, shingles, etc.

- Construction, renovation and demolition waste drop-off depots and policies
- Construction, renovation and demolition waste bans

The Province of Ontario's proposed Waste-Free Ontario Act identifies these materials as potential candidates for disposal bans.

Recovering More Resources

The Draft Waste Strategy is recommending the development of a Mixed Waste Processing Facility with Organics Recovery. The need and/or timing for its development depends on the success of the reduction, reuse and recycling recommendations during the Waste Strategy implementation.

Question: What is a Mixed Waste Processing Facility with Organics Recovery?

Answer: It's a facility where waste is further processed to remove recyclable materials and organic materials.

Graphic:

A chart depicts the way that the Mixed Waste Processing Facility with Organics Recovery would operate. Starting with the Garbage remaining after the 3Rs it would then go to Mechanical Sorting. The Sorting would send Garbage for Disposal, Recyclable Materials to Markets and Organic Materials to Biological Treatment (Anaerobic Digestion) where the Biogas would be diverted to energy and the solids to compost.

Green Lane Landfill

Toronto's residual waste goes to Green Lane Landfill. With our 3Rs strategy, we can extend its lifespan.

Future Capacity of Green Land Landfill

- Green Lane Landfill is projected to have capacity for Toronto's waste until approximately 2040, provided we:
 - continue to focus on implementing 3Rs programs;
 - encourage effective participation in existing diversion programs; and
 - strategically use existing contracts to divert some City of Toronto waste to other approved landfills.

We Need You Toronto!

Promotion and education tools will be used to help implement the Waste Strategy.

- Online Tools
- Targeted Communications
- Establish new Advisory
- Social Media
- Targeted Outreach Conversations
- Support Volunteers
- Create a Community Partnership Unit

Additional Implementation Tools

A range of additional programs and implementation tools have been identified to support the recommended Waste Strategy.

- Research
 - Advance innovative ideas and promote new markets
- Legislation
 - Explore city-wide controls to increase diversion
- Financing
 - Ensure services and programs are sustainably financed

Implementation Roadmap

The Waste Strategy will be implemented over the next 30+ years with most of the reduce, reuse, recycle recommendations being implemented in the first 10 years as part of a ten year reduction plan.

Promotion and education will occur throughout the Waste Strategy implementation.

Review of the Waste Strategy every 5 years provides flexibility to address future changes.

Graphic:

A Timeline depicts the following:

- 2016 - The first 10 years focus on reduction, reuse and recycling
- 2021 - 5 year review of the Waste Strategy
- 2026 - 5 year review of the Waste Strategy; the need and timing for additional processing and disposal to be determined
- 2040 – Green Lane Landfill is estimated to reach capacity

We All Benefit

- Increased Reduction, Reuse, and Recycling
- Greater Environmental Awareness
- Waste as a Resource
- Behaviour Change
- Reduced Greenhouse Gas Emissions
- New Community Partnerships
- Toronto as an Innovation Leader
- Cost Savings
- Creation of Green Jobs
- Promotion of Equity
- System Flexibility
- Longer Landfill Life

Measuring Success

Monitoring performance and progress is important to ensure that the Waste Strategy is effective in reducing waste overall. This allows us to see potential areas for improvement, future trends, and the return on investment as new programs or facilities are implemented.

- Examples of Some Tools to Measure Success:
 - Diversion Rates
 - Waste Generation per household
 - Customer Satisfaction
 - Greenhouse Gas Emissions
 - Cost

We Want Your Input on the Draft Waste Strategy

www.toronto.ca/wastestrategy

Continue the Discussion at these Public Consultation Events

- Draft Waste Strategy Overview – March 29
 - Reduce, Reuse and Recycle: Waste Diversion in Houses, Apartments and Condos – April 4
 - Diversion Opportunities: Business and Home Renovators – April 7
 - Waste Recovery and Residual: How to Handle Remaining Materials – April 12
- **Take the Survey:** Complete a survey online or send us an e-mail.

Contact Us

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What's Next

June 2016: The Final Waste Strategy presented to Public Works and Infrastructure Committee.

July 2016: Final Waste Strategy presented to City Council for Approval.

2016 onwards: City staff will work with City of Toronto residents, businesses, stakeholders, agencies and community representatives to implement the approved Waste Strategy.

Thank You!

Don't forget to visit: toronto.ca/wastestrategy

Question & Answer