

The Waste Strategy Process

TORONTO WASTE STRATEGY

The Strategy recommends policies and programs, including how to manage any leftover garbage remaining after reusing, recycling, and composting.

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.



Why Do We Need a Waste Strategy?



DID YOU KNOW?

If we don't change the way we manage our waste, we could generate 37 MILLION TONNES of garbage over the next 50 years!

The development of a Long Term Waste Management Strategy is one of the actions in City Council's 2013-2018 Strategic Action Plan.

The Waste Strategy is a high level decision making document to guide waste management policy decisions for the next 30 to 50 years.

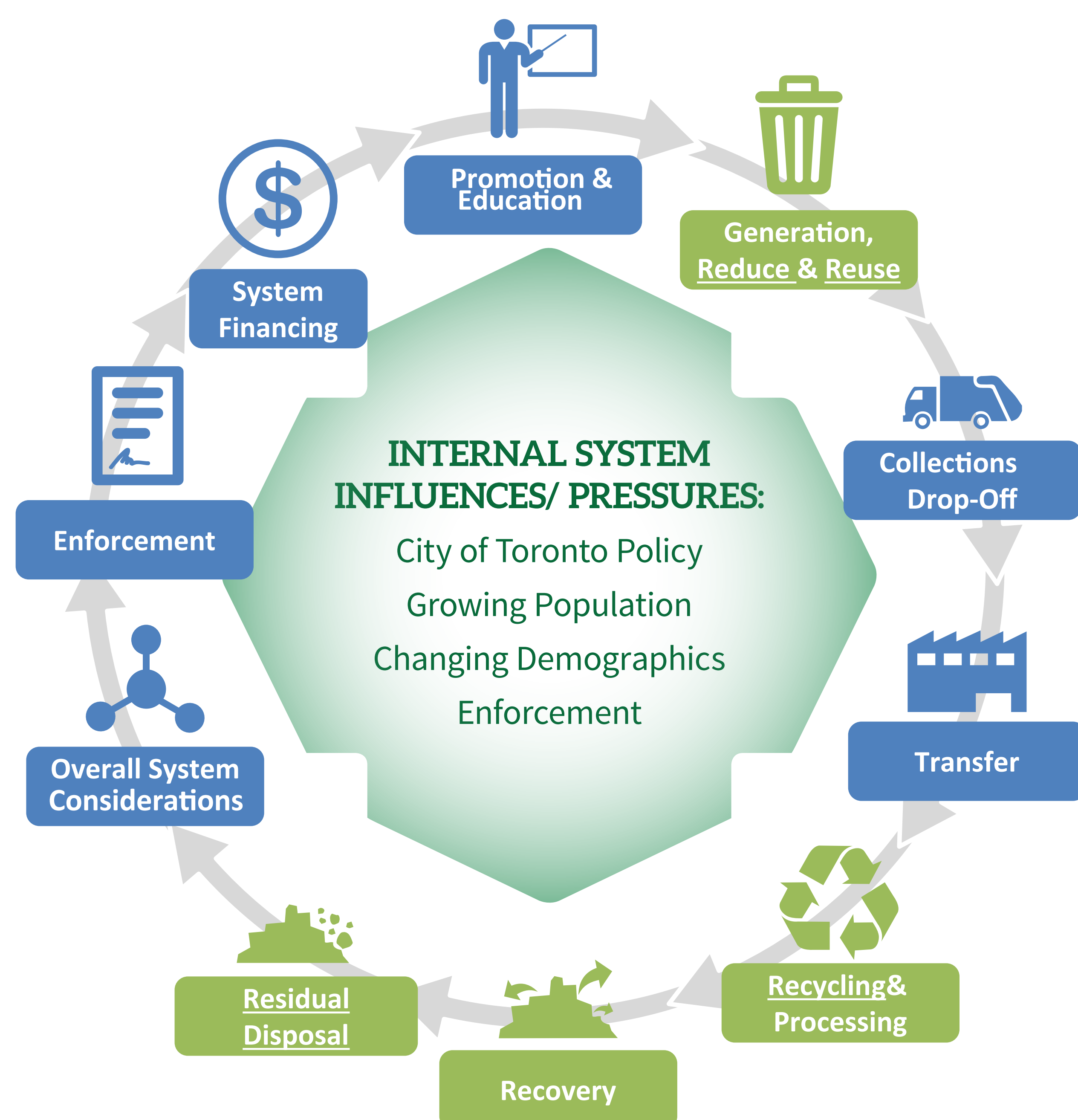
The Waste Strategy will help Toronto:

- maximize the life of Green Lane Landfill;
- prioritize reduction, reuse and recycling;
- leverage programs and services already in place to further improve waste diversion;
- minimize the need for new capital infrastructure investments;
- work together with community partners to enhance access to diversion programs; and
- maintain flexibility for future waste management changes.

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

Integrated Waste Management System

The City's integrated waste management system has a wide range of components that function as a whole. The Waste Strategy looked at each of these components to identify future improvements.



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

THIS FIGURE SHOWS:

- the integrated nature of the waste management system;
- the flow of waste from generation to disposal;
- internal and external influences on the system;
- the emphasis on waste as a resource with priority placed on reduce, reuse and recycle; and
- how the 5Rs (reduce, reuse, recycle, recover, residual disposal) fit in the system.

We've Been Listening

Since 2014, the Waste Strategy development process has been supported by widespread public and stakeholder engagement activities.

Surveys

4 surveys with over **2,200** respondents to date.

Key Stakeholder Meetings

5 meetings with key stakeholders including environmental groups, non-profit organizations, First Nations representatives and ratepayer associations.

Vendor Days

Opportunity for presentations and information from vendors of technologies and services.

Project Updates

6 Project Updates distributed to **750** emails on project contact list as well as key stakeholders.

Stakeholder Advisory Group

19 meetings of the Stakeholder Advisory Group provided feedback throughout the process.

Community Events and Open Houses

12 Public Consultation Events and City attendance at numerous community events reached over **4,200** people to date.

Website and Social Media

Dedicated project website and social media presence.

Wast(ED) Speaker Series

4 Speaker Series Events including a Zero Waste Conference in partnership with Metro Vancouver.

What We Heard

Thanks to Waste Strategy participants
for your great ideas!

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 & environment.



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

Develop a strategy that promotes food waste reduction.



MOBILE DROP-OFF SERVICE

Coordinate a network of mobile drop-off depots that could transition into permanent neighbourhood drop-off depots.



WASTE EXCHANGE

Support opportunities or events that allow residents to obtain gently used materials for reuse.

TEXTILE COLLECTION AND RE-USE STRATEGY

Introduce innovative ways to reuse and recycle used clothing and other textiles.



SHARING LIBRARY

Help establish locations to borrow materials that are infrequently used, like sports equipment, tools and toys.



REVERSE VENDING MACHINES

Introduce technologies that allow for depositing certain products to receive rewards/incentives.



Apartments & 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

Better data availability, like waste container tracking.



COMMUNITY COMPOSTING

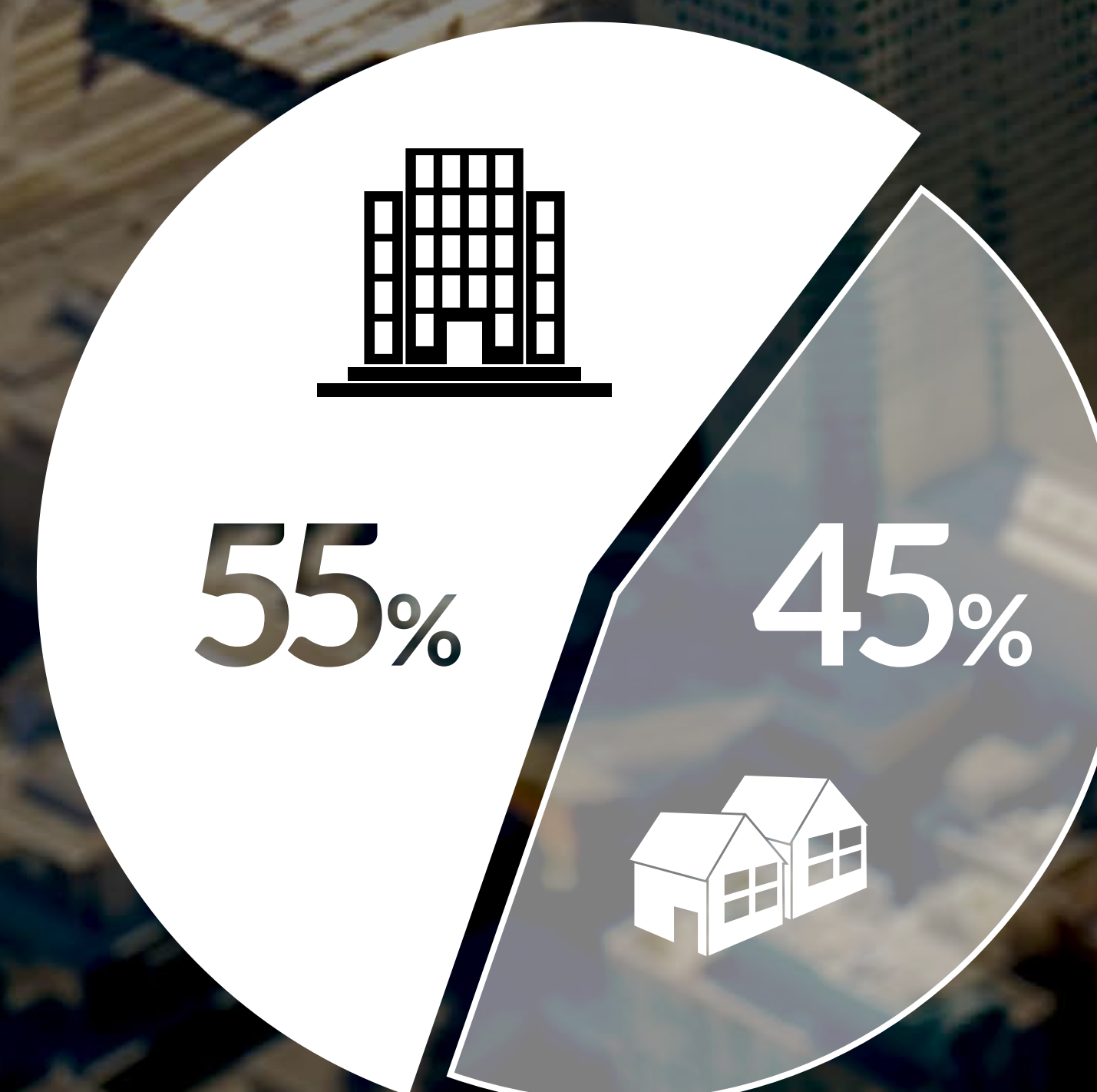
To further educate on the benefits of composting and foster a sense of community.



POLICIES AND ENFORCEMENT

Increased enforcement efforts and exploration of policies to encourage effective participation in waste diversion programs in all buildings.

Apartments and condominiums make up over half of Toronto's housing.



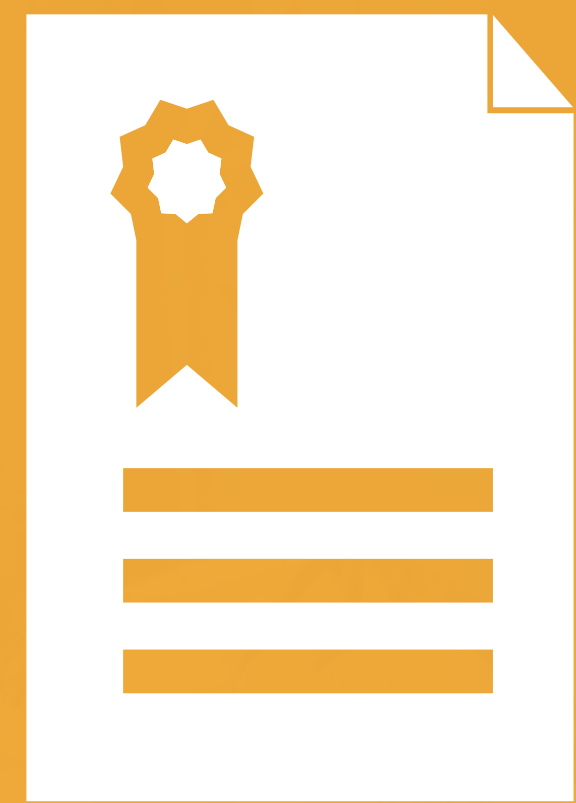
Single family homes currently divert 66% of their waste. Apartments and condos divert only 26%.

(Based on 2014 data)

Diversion Opportunities For Businesses

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.

Diversion Opportunities For Home Renovation Waste

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

The Draft Waste Strategy recommendations encourage greater diversion by:



Establishing construction, renovation and demolition waste drop-off depots and policies.



Banning disposal of construction, renovation and demolition materials in the garbage stream.

WASTE-FREE ONTARIO ACT

The Province of Ontario's proposed **Waste-Free Ontario Act** identifies construction and renovation materials as potential candidates for a province-wide disposal ban. The City will continue to work with the Province on any effort to divert this and other materials from landfill.

Recovering More Resources

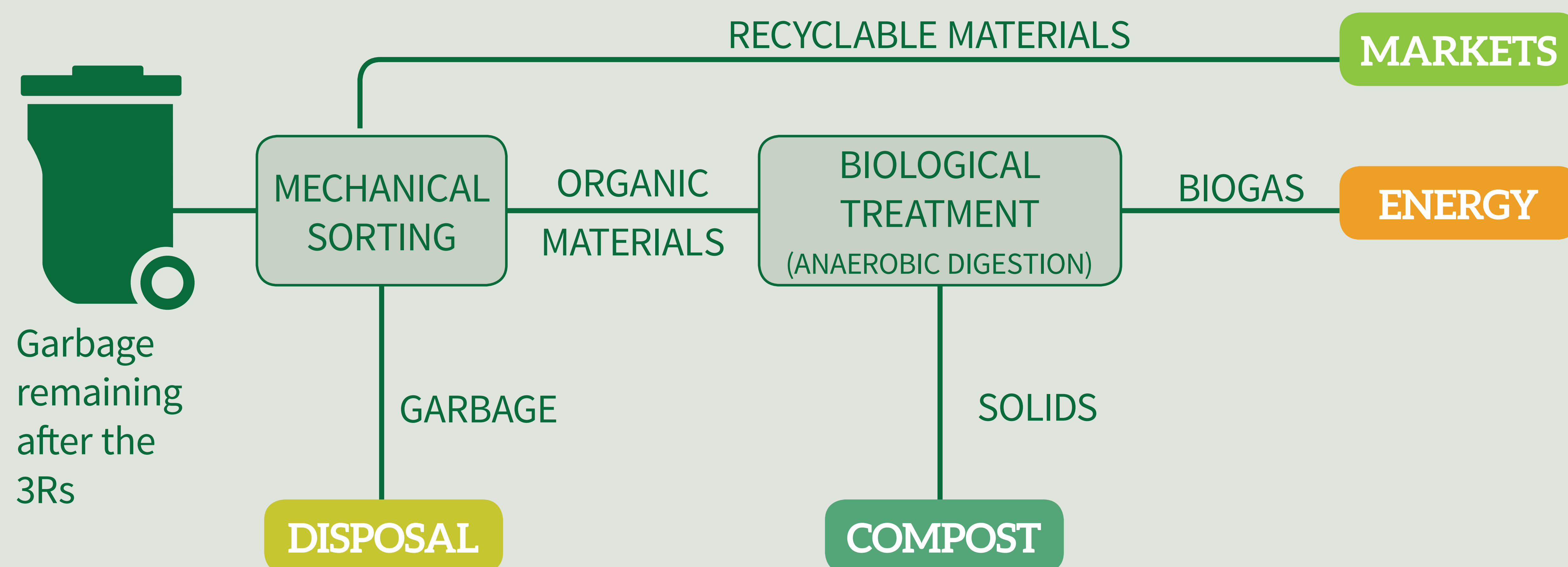
Following the reduction, reuse and recycling of materials, there are opportunities to recover valuable resources from the waste that remains, including: additional recyclables, organics or energy resources (e.g. gas and heat).

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 efforts recommended in the Waste Strategy. It also depends on the details of the Waste-Free Ontario Act.

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

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



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 Lane 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
- divert some City of Toronto waste to other disposal sites.

We Need You Toronto!

The promotion and education tools listed below will be used to help implement the recommendations of the Waste Strategy.



Online Tools

Interactive online waste management tools provide up-to-date information on waste management in Toronto.



Targeted Communications

Communication to reach Toronto's diverse population.



Establish new Advisory Committees

Advisory committees (i.e. Circular Economy, Multi-Residential) can help us view waste as a resource.



Social Media

More use of social media as a way to inform people about program changes or 3Rs opportunities.



Targeted Outreach Conversations

Outreach and education campaigns to encourage diversion and educate people about their consumption choices.



Support Volunteers

Additional tools and/or resources to support waste management-related volunteer programs (e.g. 3Rs Ambassadors).



Create a Community Partnership Unit

Establishing partnerships with community groups to promote waste diversion.

Use these resources to stay informed!



Additional Programs and Implementation Tools

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



RESEARCH

Create a Research, Development and Innovation Unit to advance innovative ideas and promote new markets for recyclable materials.



LEGISLATION

Explore city-wide controls to increase diversion (e.g. disposal bans).



FINANCING

Explore ways to finance waste management in Toronto (e.g. full user pay system, public-private partnerships for major capital works, increase customer base, etc.).

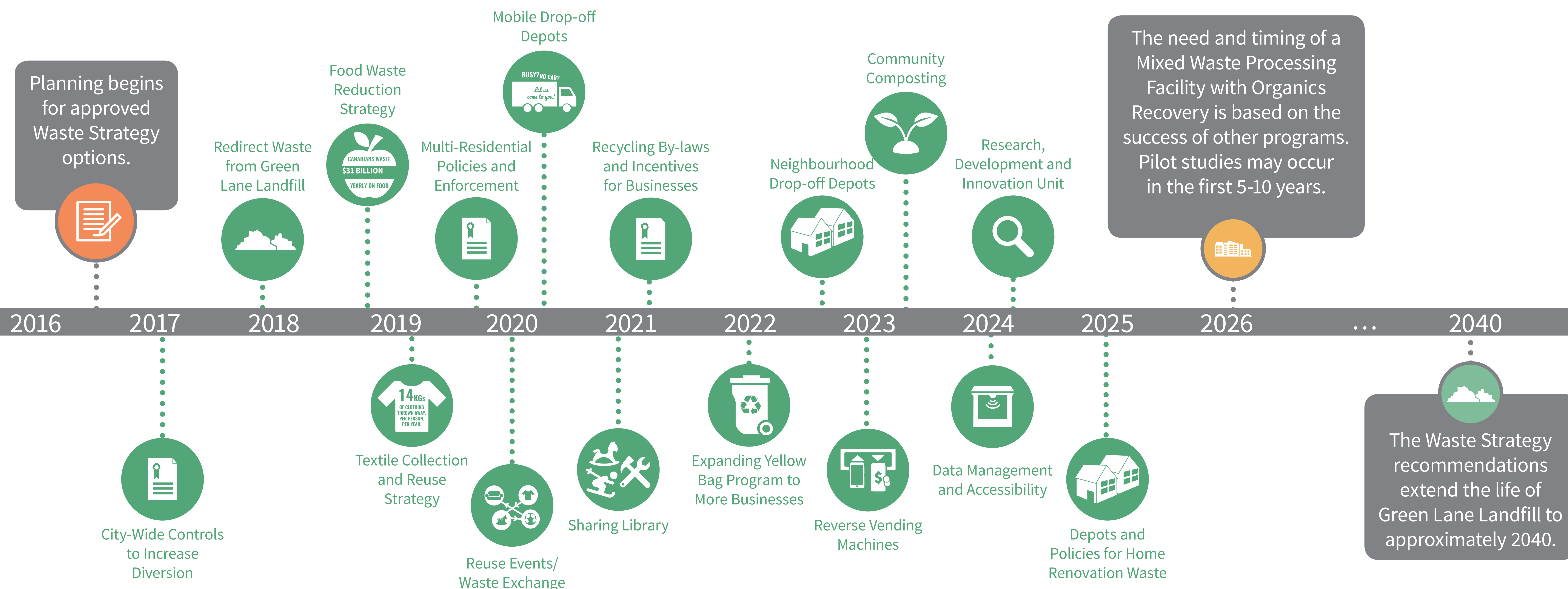
Implementation Roadmap

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



We All Benefit

The Waste Strategy results in numerous benefits to Toronto residents and other stakeholders in the City of Toronto.



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.

Information collected will be used to help us:

- understand the performance of the current waste management system;
- measure the impact of the Waste Strategy's recommended options;
- monitor how we do on reduction and reuse activities; and,
- measure our performance on customer service, safety, etc.

TOOLS TO MEASURE SUCCESS



Diversion
Rates



Waste
Generation
per household



Customer
Satisfaction



Enforcement
Actions
Taken



Greenhouse
Gas Emissions

Waste-Free Ontario Act

The Province of Ontario's proposed **Waste-Free Ontario Act** will outline a new direction for waste management. The intent is to move towards an Extended Producer Responsibility system where producers are responsible for managing their products and packaging. This could impact how the City of Toronto manages waste in the future and the Waste Strategy will consider this as recommendations are being implemented.

DRAFT

Strategy
for a
Waste Free
Ontario:
Building
The Circular
Economy

For Consultation Purposes



Ontario

We Want Your Input on the Draft Waste Strategy!

LEARN MORE

Review the panels and public consultation event presentations for an overview of the Draft Waste Strategy.

Review the Draft Waste Strategy Document to understand the recommendations to manage Toronto's waste for the next 30-50 years.

Review Technical Memo #4 to understand all the options that were considered and how these options were evaluated.

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.

WHAT'S NEXT City Council

The Final Waste Strategy will be presented to Public Works and Infrastructure Committee in June 2016, then to the City Council for approval in July 2016.

Implementation

The City will begin implementation once the Waste Strategy is approved.



details can be found on our website.:

toronto.ca/wastestrategy

If you have questions about the Waste Strategy or upcoming consultation, please contact:

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