

# The Future of Waste Management in Toronto: Open House & Consultation

March 21, 2018

3 – 4:30 pm

City Hall, Council Chambers, Toronto



# Introductions and Agenda



Robyn Shyllit

Senior Public Consultation Coordinator

	Agenda
3:00	Welcome and Introductions
3:15	Presentation: <b>Long Term Waste Management Strategy Update and Unit for Research, Innovation &amp; a Circular Economy</b>
3:25	Questions and Clarifications
3:35	Presentation: <b>Waste Free Ontario Act &amp; other factors influencing the City's Waste Diversion Programs</b>
3:50	Questions and Clarifications
4:00	Presentation: <b>Addition of New Material Considerations and Policy Considerations &amp; Conditions</b>
4:15	Questions and Clarifications
4:25	<b>Closing Remarks &amp; Next Steps</b>
5:00	<b>Open House Closes</b>

# Code of Conduct

We welcome and encourage your participation. To ensure that everyone has the opportunity to participate fairly, please respect the Code of Conduct.

All individuals conducting business and attending meetings with the City of Toronto are expected to comply with the [Human Rights and Harassment Policy](#). No form of discrimination or harassment is tolerated, ignored or condoned.

In the event of non-compliance with the Human Rights and Harassment Policy, you may be asked to leave the meeting immediately.

# Transparency

- Information collected through this meeting is in accordance with the Municipal Freedom of Information and Protection of Privacy Act.
- Comments shared at this meeting will become part of the public record but will not be attributed to specific stakeholders.
- All comments received after the meeting will be reviewed and considered.

# Lobbyist Registrar

The Office of the Lobbyist Registrar ensures the public disclosure of lobbying activities and oversees the regulation of lobbyists' conduct.

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Please visit **[www.Toronto.ca/Lobbying](http://www.Toronto.ca/Lobbying)** for more information.

# Goals and Objectives

1. To present an update on the work and planning that is underway since City Council approved the Long Term Waste Management Strategy in July 2016.
2. To provide an overview on:
  - a) The Province's Waste Free Ontario Act, 2016;
  - b) How the City has been engaged in providing comments on the implementation of the Act; and
  - c) How the Act and other waste diversion factors may impact the City's waste diversion programs.
3. To present key considerations and conditions on the new draft policy that the City will use when considering the addition of new materials to waste diversion streams.
4. Respond to questions and receive feedback on the items listed above.

# Questions + Comments

1. Use comment cards to ask questions and provide feedback

2. Give your card to City staff

Extra cards and pens are available

All comments and questions are recorded for reporting



# Opening Remarks & Welcome



Jim McKay, General Manager  
Solid Waste Management Services

# Long Term Waste Management Strategy Update



Charlotte Ueta, Manager (Act), Waste Management Planning

Annette Synowiec, Manager (Act), Unit for Research, Innovation & a Circular Economy

# You spoke, we listened.

## Consultation Activities

- 40+ Events & Meetings
- 3,400 Survey Respondents
- Education + Student Outreach
- 16,600+ Web visitors, 283 tweets

## What we Heard

Zero Waste and Circular Economy  
The 3Rs  
User-Friendly Options  
Opportunities for Apartments,  
Condos, and Businesses

# Goals and Recommendations



# Reduce Waste Make Change



**Have an innovative  
idea to reduce waste?**

Apply for the NEW  
**Waste Reduction Community Grant**  
at  
**[livegreentoronto.ca](http://livegreentoronto.ca)**



Call **3-1-1**



## Key Accomplishments

- **Mayor's Towering Challenge**
- **Waste Reduction Community Grants**
- **Tenant Engagement Guide**
- **New Partnerships**

# Areas of Focus



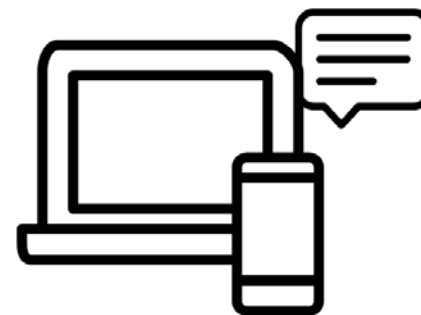
**Textile Waste**



**Food Waste**



**Multi-Residential**



**Communication**



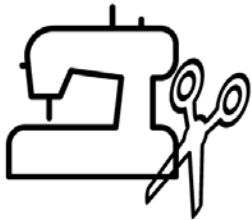
**Bike Repair**



**Urban Harvest**



**Community Composting**



**Sewing Cooperative**

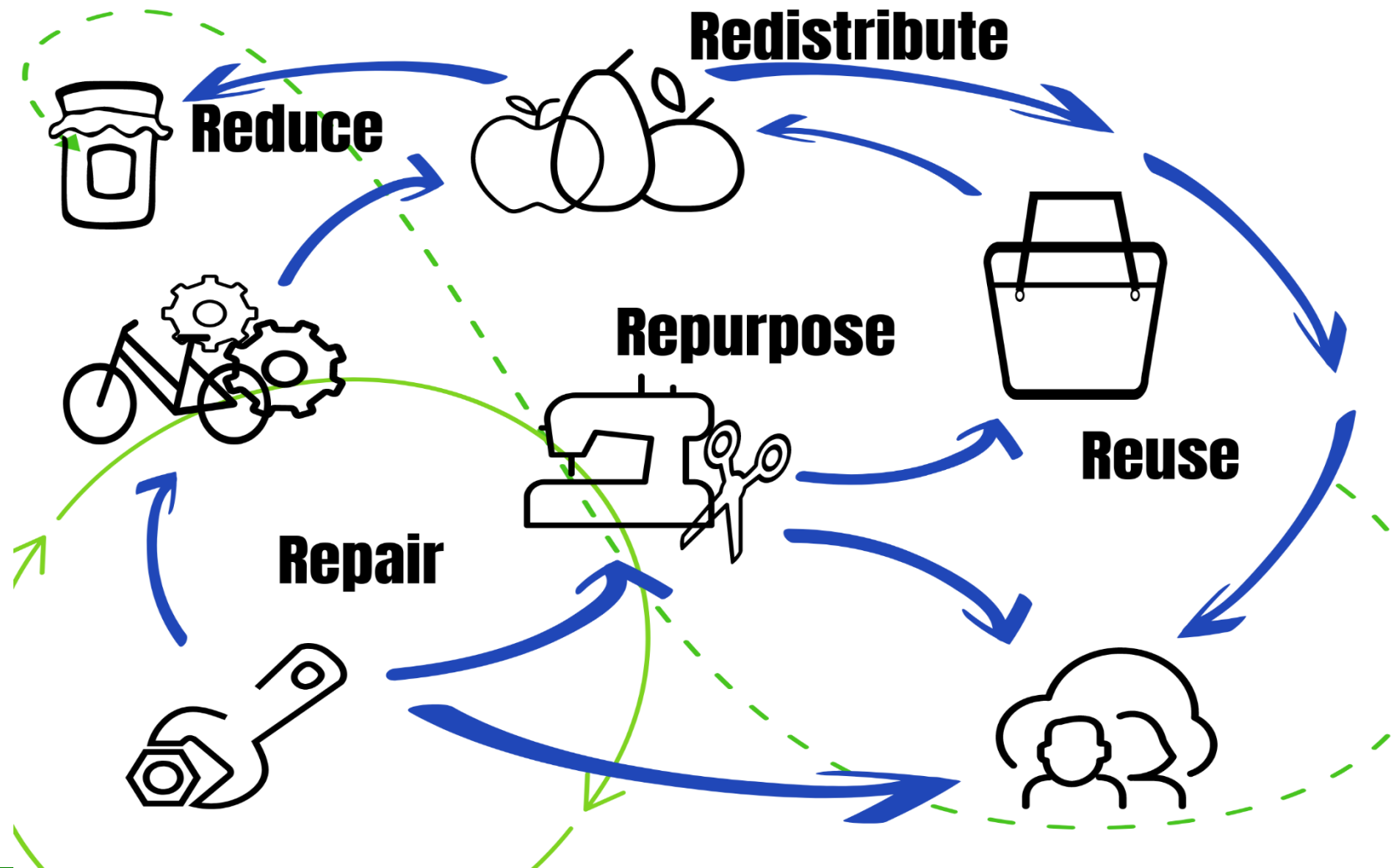


**Reuse & Sharing**

# **Partnerships: Reduce and Reuse**

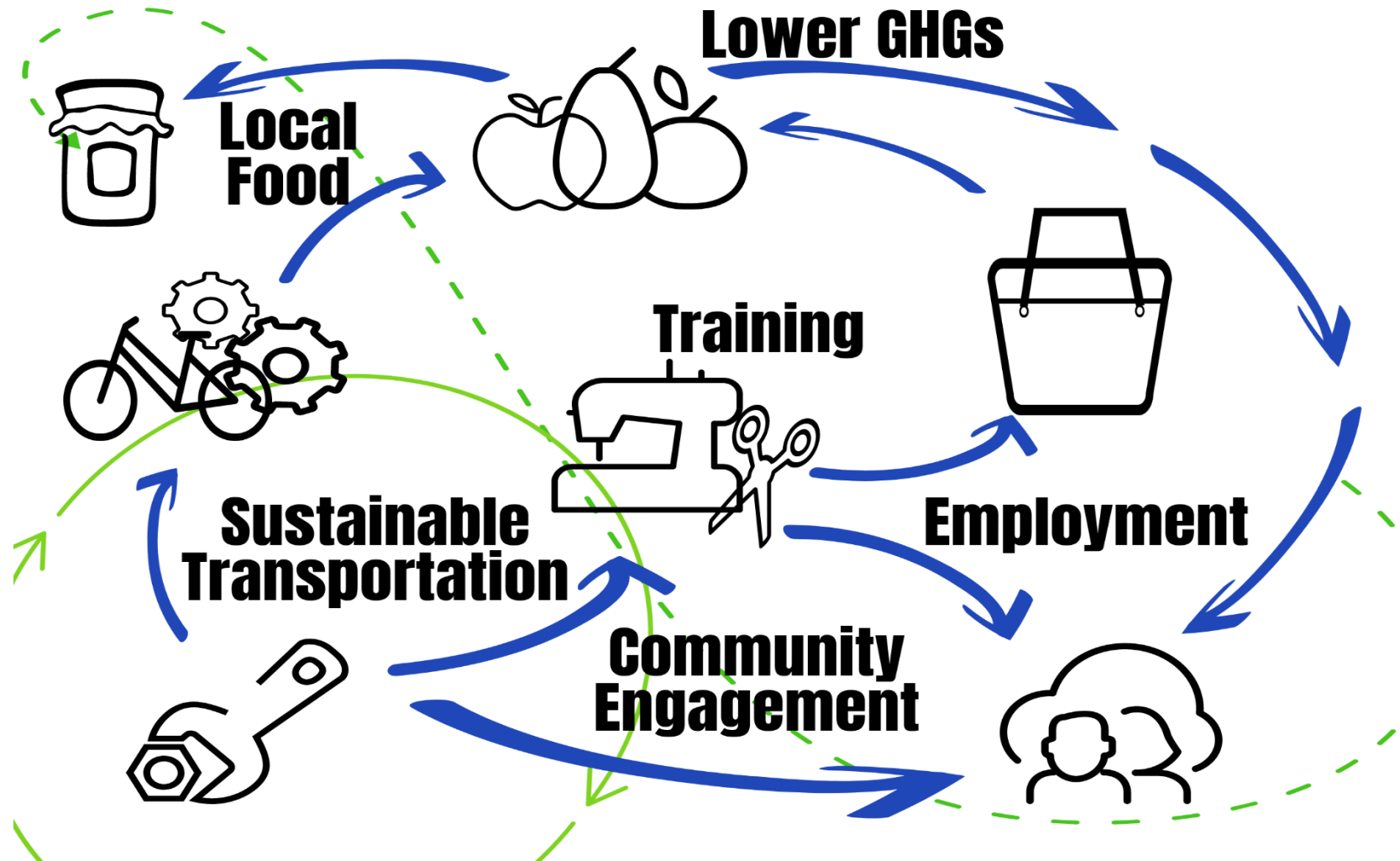


# Reduce and Reuse





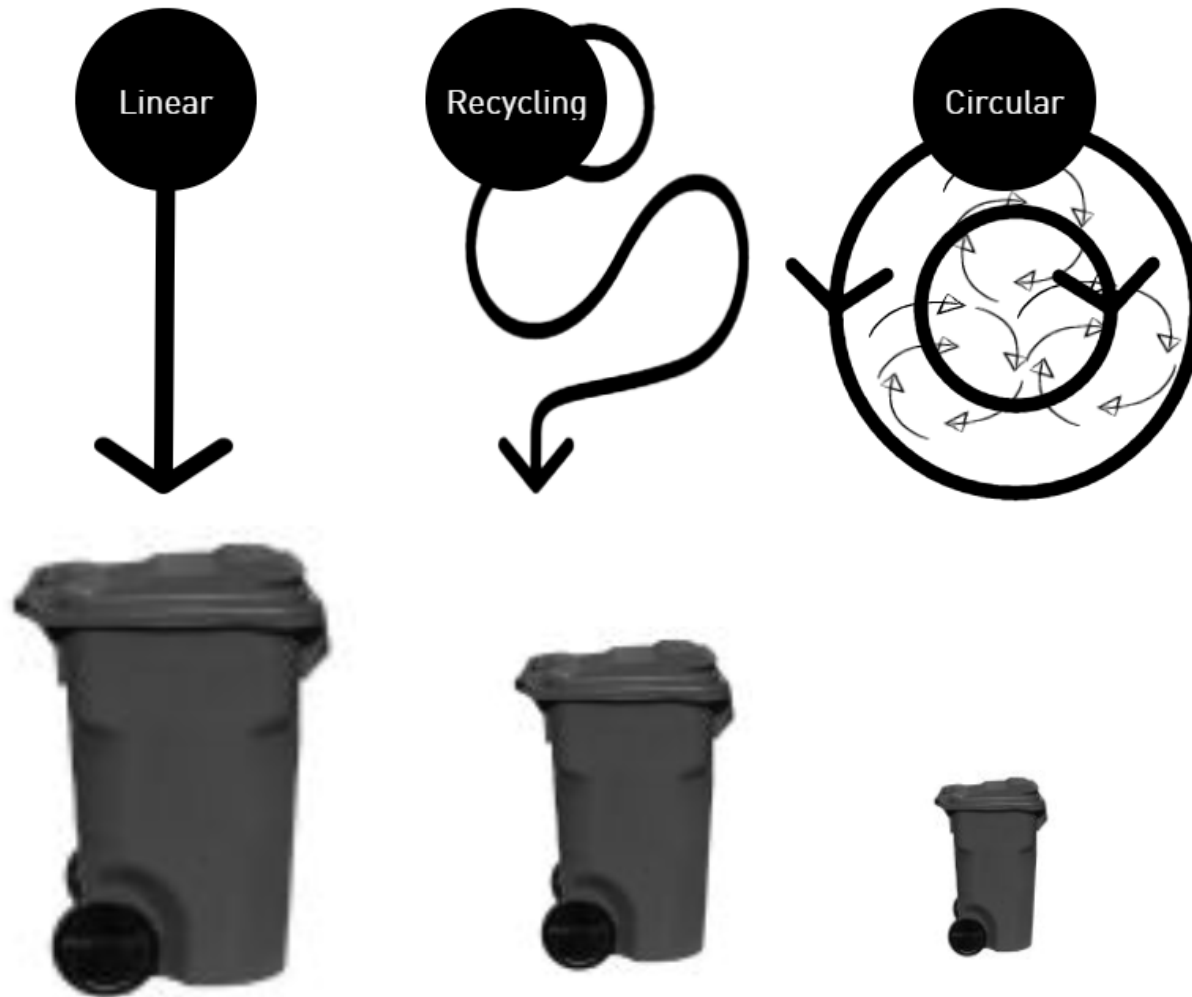
# Deliverables and Outcomes



# Strategy gives rise to new Unit for Research Innovation & a Circular Economy.



# A Circular Economy



# we have big goals.

1st municipality in the Province of Ontario with a circular economy

Catalyst to  
advance new,  
innovative ideas  
& support growth  
of a Circular  
Economy



Develop and  
promote new  
materials for  
recyclable  
materials



Explore  
opportunities for  
social innovation  
and work to  
develop  
partnerships



Develop CE  
roadmap along  
with other City  
Divisions and  
Agencies



# Projects

2018-  
2021  
Plan



Coffee Pods  
Facility Tests / Methodology



Mobile Data Centre Pilot  
Discussions  
Leverage assets already in use



City CE Procurement framework &  
Local Community Workshop



New Resource recovery Efforts -  
Mixed Waste Processing

*Internal / Industry / Community*

**Capital  
Funded  
LTWMS  
Implementation**





# Partnerships

2018-  
2021  
Plan



NZWC (Working Groups & Satellite Conference)



Environmental Education & Research Foundation / Academia



Local Community Groups, NFP & Artists

*Partnership Roadmap*

**Multi-yr  
Strategy**



## People

- 📍 SWMS Champions
- 📍 CDCE Working Group
- 📍 CE External Advisory Group



*CAPACITY BUILDING*

**Inform  
Include  
Collaborate**



# Ensuring Provincial Alignment.

## Bill 151 Waste Free ON Act, 2016

Def'n: an economy in which participants strive,  
(a) to minimize the use of raw materials,  
(b) to maximize the useful life of materials &  
other resources through resource recovery, &  
(c) to minimize waste generated at the end of  
life of products and packaging;

## Strategy for a Waste-Free Ontario

The Province is moving toward a circular economy framework by establishing an EPR regime.

Action Statement: Use green procurement practices to build market demand for recovered materials

Strategy for a  
**WASTE-FREE  
ONTARIO**  
Building the  
**CIRCULAR  
ECONOMY**





# Questions



# Waste Free Ontario Act, 2016 and other factors influencing the City's Waste Division Programs



Jim McKay, General Manager

Vincent Sferrazza, Director, Policy, Planning and Support

# Provincial Waste Management Legislation

## Waste-Free Ontario Act, 2016

- Consists of two separate Acts and an accompanying Strategy
- Resource Recovery and Circular Economy Act (“RRCEA”)
  - Extended Producer Responsibility – requires producers of a designated material to be wholly responsible for the end-of-life management
  - Incentivizes waste reduction, drives innovation and design for environment in packaging
  - Provides flexibility for Producers to determine how they will manage their product (individually, as a collective, or via a subcontractor)
- Waste Diversion Transition Act (“WDTA”)

# Provincial Waste Management Legislation

- Strategy for a Waste-Free Ontario
- Includes aspirational goals of Zero Waste Ontario & Zero GHG emissions from the waste sector
- Proposed Food and Organic Waste Framework
  - Organics Landfill Ban
  - Mandated Green Bin Programs
  - Diversion Targets

# Impact of New Legislation on City of Toronto

- Under new legislative framework, the City must consider the future role in providing waste diversion services to ratepayers
- Opportunities may exist for Toronto to recover additional costs for providing waste diversion services to ratepayers
- Additional waste materials could be designated for diversion under RRCEA – Textiles, mattresses, packaging materials, etc.
- The City is committed to maintaining and improving current level access to services to all ratepayers for future waste diversion programs

# Challenges for Existing Waste Diversion Programs

## Contamination in Blue Bin Recycling Program

- Introduction of problematic packaging into marketplace by producers (e.g., biodegradable, multi-material packaging)
- Contamination in the Blue Bin Recycling program has been increasing year over year
  - As of 2017, approximately 25% of all material in the Blue Bin should not have been placed there
- Increasing contamination costs the City millions in additional processing fees
- Curbside monitoring and enforcement efforts began in 2016 and will continue

## International Pressures on Blue Bin Recycling Markets

- In 2017, China's Ministry of Environmental Protection banned the import of many waste materials and implemented strict thresholds on allowable contamination
- Municipalities are facing weak markets for materials recovered from Blue Bins

# Where are we now

- Will continue to engage with the Provincial government, other municipalities, waste industry stakeholders, and residents to address challenging conditions for the Blue Bin recycling program
- Accelerate progress towards full producer responsibility under the RRCEA and advocate for interests of City and ratepayers
- The City will continue to face challenges of managing contamination in the Blue Bin recycling program
  - Municipalities have no control over packaging but have to manage it as end-of-pipe service providers
  - Material changes impact education, collection, processing and program revenues



# Questions





# Addition of New Materials Policy Considerations & Conditions



Vincent Sferrazza, Director, Policy, Planning and Support

Annette Synowiec, Manager (Act), Unit for Research, Innovation & a Circular Economy

# Policy – Addition of New Materials

- Determines any changes to the management of new packaging materials through the City's waste stream.
  - i.e. if currently in the garbage can it be managed instead through diversion in a way that considers equally the environmental, social and financial implications or opportunities.
- Introduces a City-led streamlined process to consider new packaging and materials entering the waste stream
- Includes a mechanism to support Extended Producer Responsibility

# Policy Conditions

- Meeting Conditions may result in the material Steward and the City entering into one or more binding Legal Agreements.
- For example, there may be one agreement required for testing.
- If the testing is successful the steward will need to enter into additional agreement before staff agree to add the material to a waste diversion program.

# Policy – Addition of New Materials

A

- **Awareness**
- Staff become aware of a request for consideration
- Channels: Council, staff, residents, Prov. Regs., product stewards etc.

D

- **Decision**
- Staff decide whether or not there is sufficient reason & evidence for material to be considered for vetting through the Addition of New Materials Policy

AP

- **Apply Policy**
- Staff apply the Policy Considerations
- Staff make a recommendation on whether or not to proceed with any testing.

T

- **Terms & Conditions**
- Successful testing parameters may result in staff discretion to proceed with entering into an agreement with the steward via a binding agreement that provides for any financial assurances

# New Material Policy Considerations



Annette Synowiec, Manager, Business Operations and Change Initiatives  
Solid Waste Management Services

# New Material Policy Consideration Areas



1: Circular Economy

2: Triple Bottom Line

3: Consistency w/ existing Provincial/  
Federal Measures or Instruments

4: Contracts

5: Other

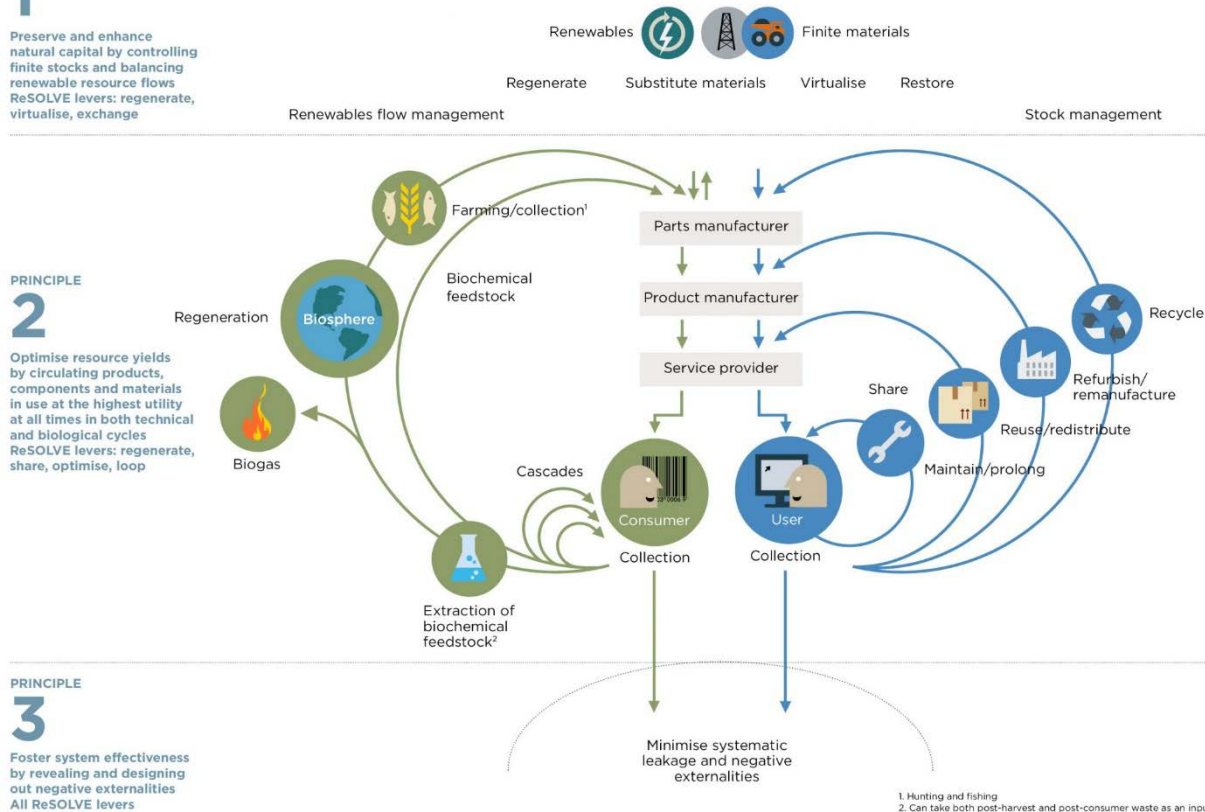
## Consideration 1: Circular Economy

## OUTLINE OF A CIRCULAR ECONOMY

### PRINCIPLE

1

Preserve and enhance  
natural capital by controlling  
finite stocks and balancing  
renewable resource flows  
ReSOLVE levers: regenerate,  
virtualise, exchange

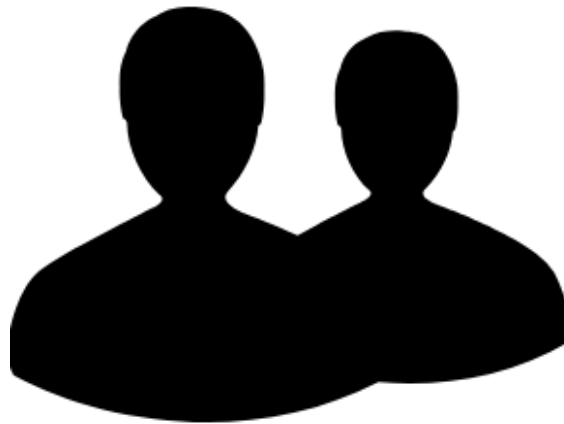


1. Hunting and fishing
2. Can take both post-harvest and post-consumer waste as an input

Source: Ellen MacArthur Foundation, SUN, and McKinsey Center for Business and Environment; Drawing from Braungart & McDonough, Cradle to Cradle (C2C).

## Consideration 2: Triple Bottom Line

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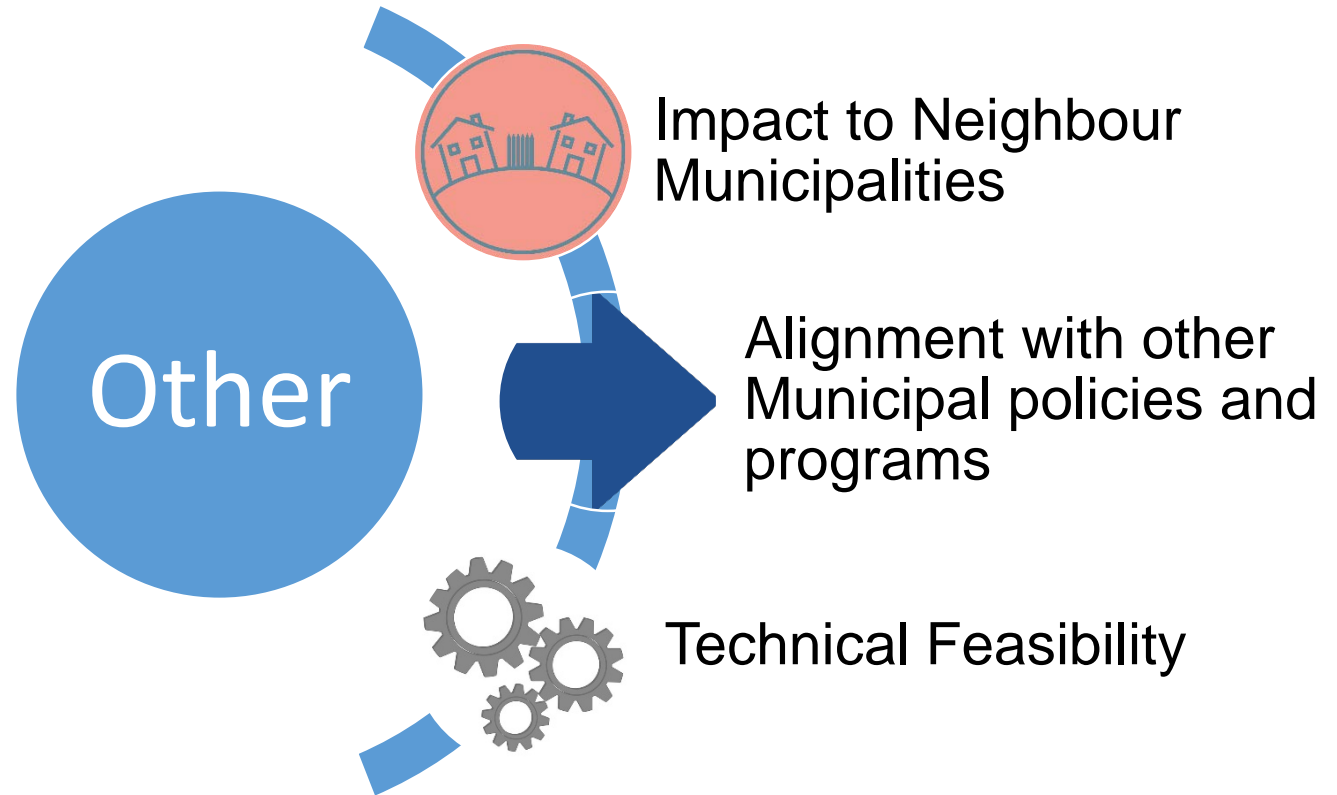
## Consideration 3: Consistency with Existing Provincial/Federal Measures or Instruments

- Existing Provincial waste diversion programs
- Waste Diversion Transition Act, 2016, and/or the Resource Recovery and Circular Economy Act, 2016
- Food and Organics Waste Policy Statement (Ontario's current draft or final adopted version)
- Blue Bin Program Plan (current or amended-BBPP)
- City's Long Term Waste Management Strategy
- Other City-wide Strategies

# Consideration 4: Contracts



## Consideration 5: Other



# Policy Conditions

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- Policy conditions are mandatory steps that material stewards will have to agree to in order for their product to be added to a waste diversion program
- They start out with any testing at facilities (if required)
- Each condition will require the completion of a legal agreement between the material steward or product sponsor

# Policy Conditions

## **Fully funded tests at a City facility or contracted processor**

- Where applicable, the General Manager can require an operational test to determine the ability to recover or process the Proposed Material as Blue Bin recycling or Green Bin organics.
- Tests help inform decision on how to best manage the material and any processing impacts.
- Stewards will be responsible for all costs associated with the tests & will be required to enter into a legal agreement.

# Policy Conditions

## Independent resident education activities

- Stewards must commit and communicate to the City in writing, how they will undertake and pay for a comprehensive Promotion and Education (P&E) campaign to educate & train residents on how to manage the Proposed Material in Toronto including how to distinguish b/w materials where necessary.
- Separate from any P&E that the City undertakes.
- This will be a multi-year commitment and require that the steward provide Key Performance Indicators (KPI) for proposed activities

# Policy Conditions

## Integrated Waste Management Systems Impacts

- Where no existing Provincial Regs. exist for Extended Producer Responsibility, stewards must enter into a contract that outlines compensation to the City for any cost pressures resulting from addition of the material.
- Costs pressures can include but are not limited to:
  - Increased costs for P&E;
  - Increased blue bin recycling or green bin organics collection, transfer and processing costs including residue disposal costs.
  - Contamination threshold impacts or contract implications.
- City will require a financial assurance. If the Steward is purchased by another entity, goes out of business, if markets fail, if their communication efforts fail, etc.



# Policy Conditions

## Standardized Packaging

- Stewards will be required to provide the City with an annual written statement with information and confirmation of any intention to pursue industry standardization (including timing) with any compostable and recyclable material manufacturers as it relates to the stewards material that has been added to the City's waste diversion stream.

# Questions



# Closing Remarks & Next Steps



Jim McKay

General Manager, Solid Waste Management Services

# Public Comment Period

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- All registered participants will receive an email with a survey on the Policy discussed
- Comment period will close April 8, 2018
- How comments will be used:
  - Reviewed and considered in any updates to the Policy
  - Key themes will be summarized in a report back to PWIC anticipated for later this year

# Future Engagement Opportunities

## Long Term Waste Strategy Advisory Groups

- Multi-residential Advisory Group
- Circular Economy Advisory Group
- Planning underway on the formation and structure of the groups
- Information to be communicated through LTWMS listserv
- Please ask City staff for more info on how to sign up to the listserv

# Thank you!



## Contact Information:

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**Deadline to receive comments:  
April 8, 2018**