



**THE REGIONAL MUNICIPALITY OF PEEL**  
**WASTE MANAGEMENT STRATEGIC ADVISORY COMMITTEE**  
**A G E N D A**

**WMSAC – 2/2019**

**DATE:** Thursday, June 20, 2019

**TIME:** 9:30 AM - 11:00 AM

**LOCATION:** Council Chamber, 5<sup>th</sup> Floor  
Regional Administrative Headquarters  
10 Peel Centre Drive, Suite A  
Brampton, Ontario

**MEMBERS:** G.S. Dhillon; P. Fortini; A. Groves; N. Iannicca; J. Innis; J. Kovac;  
M. Mahoney; M. Palleschi; K. Ras; I. Sinclair; R. Starr

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*Chaired by Councillor R. Starr or Vice-Chair Councillor J. Innis*

- 1. DECLARATIONS OF CONFLICTS OF INTEREST**
  
- 2. APPROVAL OF AGENDA**
  
- 3. DELEGATIONS**
  - 3.1 John Rowell, President, Board of Directors, Unitarian Congregation in Mississauga,**  
Regarding Unitarian Congregation's Petition to Ban the Sale of Single-Use Water Bottles
  
- 4. REPORTS**
  - 4.1 Sweden Tour – May 4-10, 2019 (Oral)  
Presentation by Norman Lee, Director, Waste Management and Andrea Warren,  
Director, Development Services
  - 4.2 Communications and Education Strategy to Support the Roadmap to a Circular Economy  
in Peel (For information)  
Presentation by Erwin Pascual, Manager, Waste Planning and Amie Miles,  
Manager, Strategic Client Communications
  - 4.3 Update of Curbside and Multi-Residential Enforcement Strategy and the Excess Recycling  
Pilot (For information)  
Presentation by Norman Lee, Director, Waste Management and Erwin Pascual,  
Manager, Waste Planning
  - 4.4 Waste Management Financial Plan Update (For information)
  - 4.5 Community Recycling Centre Optimization Study Update (For information)

- 4.6 Region of Peel's Comments on the Proposed Reducing Litter and Waste in our Communities: Discussion Paper

**5. COMMUNICATIONS**

- 5.1 **John Rowell, President, Board of Directors, Unitarian Congregation in Mississauga, Letter dated February 13, 2019, Providing a Copy of a Petition to Ban the Sale of Single-Use Water Bottles (Referral to Public Works recommended) (A copy of the petition is available from the Office of the Regional Clerk for viewing)**

**6. IN CAMERA MATTERS**

**7. OTHER BUSINESS**

**8. NEXT MEETING**

Thursday, October 3, 2019  
11:00 a.m. - 1:00 p.m.  
Council Chamber, 5th floor  
Regional Administrative Headquarters  
10 Peel Centre Drive, Suite A  
Brampton, ON

**9. ADJOURNMENT**

# Request for Delegation

FOR OFFICE USE ONLY

MEETING DATE YYYY/MM/DD <b>2019/06/20</b>	MEETING NAME <b>WMSAC</b>
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Attention: Regional Clerk  
Regional Municipality of Peel  
10 Peel Centre Drive, Suite A  
Brampton, ON L6T 4B9  
Phone: 905-791-7800 ext. 4582  
E-mail: [council@peelregion.ca](mailto:council@peelregion.ca)

DATE SUBMITTED YYYY/MM/DD  
**Feb. 20, 2019**

NAME OF INDIVIDUAL(S)  
**John Rowell**

POSITION(S)/TITLE(S)  
**President, Board of Directors**

NAME OF ORGANIZATION(S)  
**Unitarian Congregation in Mississauga**

E-MAIL <b>johnrowell99@gmail.com</b>	TELEPHONE NUMBER <b>(905) 820-7964</b>	EXTENSION
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REASON(S) FOR DELEGATION REQUEST (SUBJECT MATTER TO BE DISCUSSED)  
**Request to discontinue the sale of single-use water bottles at all Regional Municipality of Peel offices, facilities and workplaces in order to reduce plastic waste in Peel Region's garbage, and reduce litter on our highways, streets, rivers and riverbanks, parks and Lake Ontario shore. We also believe that Peel Region should encourage the use of the excellent tap water system produced by the Region's own Public Works Department.**

A formal presentation will accompany my delegation  Yes  No

Presentation format:  PowerPoint File (.ppt)  Adobe File or Equivalent (.pdf)  
 Picture File (.jpg)  Video File (.avi,.mpg)  Other

Additional printed information/materials will be distributed with my delegation :  Yes  No  Attached

**Note:**  
Delegates are requested to provide an electronic copy of all background material / presentations to the Clerk's Division at **least seven (7) business days prior** to the meeting date so that it can be included with the agenda package. **In accordance with Procedure By-law 9-2018 delegates appearing before Regional Council or Committee are requested to limit their remarks to 5 minutes and 10 minutes respectively (approximately 5/10 slides).**  
Delegates should make every effort to ensure their presentation material is prepared in an accessible format.  
Once the above information is received in the Clerk's Division, you will be contacted by Legislative Services staff to confirm your placement on the appropriate agenda.

**Notice with Respect to the Collection of Personal Information**  
*(Municipal Freedom of Information and Protection of Privacy Act)*

Personal information contained on this form is authorized under Section 5.4 of the Region of Peel Procedure By-law 9-2018, for the purpose of contacting individuals and/or organizations requesting an opportunity to appear as a delegation before Regional Council or a Committee of Council. The Delegation Request Form will be published in its entirety with the public agenda. The Procedure By-law is a requirement of Section 238(2) of the *Municipal Act, 2001*, as amended. Please note that all meetings are open to the public except where permitted to be closed to the public under legislated authority. All Regional Council meetings are audio broadcast via the internet and will be posted and available for viewing subsequent to those meetings. Questions about collection may be directed to the Manager of Legislative Services, 10 Peel Centre Drive, Suite A, 5th floor, Brampton, ON L6T 4B9, (905) 791-7800 ext. 4462.

**Please complete and return this form via email to [council@peelregion.ca](mailto:council@peelregion.ca)**

# Purpose of this Policy

- Reduce plastic garbage
- Reduce litter
- Support Peel's water dept
- Encourage tap water use

**NO THANKS!**



# Policy Elements

- Vending machine contracts
- Water fountains
- Refill Stations
- Rental agreements
- Water bar trolleys

# Constituent Concerns

- Fluoride, chlorine
- Taste of tap water
- People can still buy bottled water
- Buy more soda and coffee at facilities

## Benefits of the Bottle Ban

- Reduced cost of recycling and garbage
- Bottle water is 250 to 1,000 times more expensive
- Cleaner streets, parks and rivers
- Reduced carbon footprint

# Precedents in other Municipalities

- London, Ont. – 2007
- Toronto – 2008
- Oakville – 2009
- Burlington – 2010
- 82 municipalities in Canada
- Region of Peel? Why not 2019!

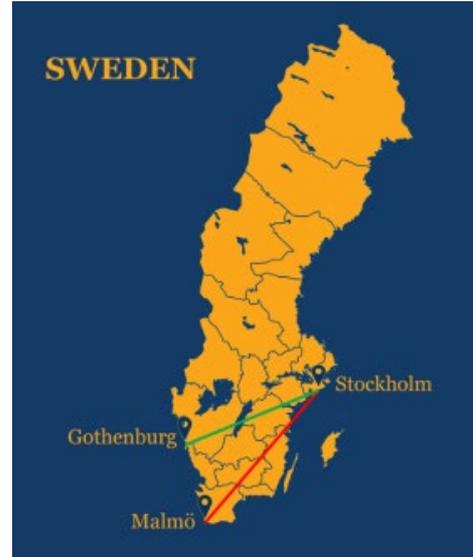
# Sweden Tour

May 4 – 10, 2019

Waste Management Strategic Advisory Committee  
June 20, 2019

Norman Lee  
Director, Waste Management  
Region of Peel

Andrea Warren  
Director, Development Service  
Region of Peel



## 4.1-2

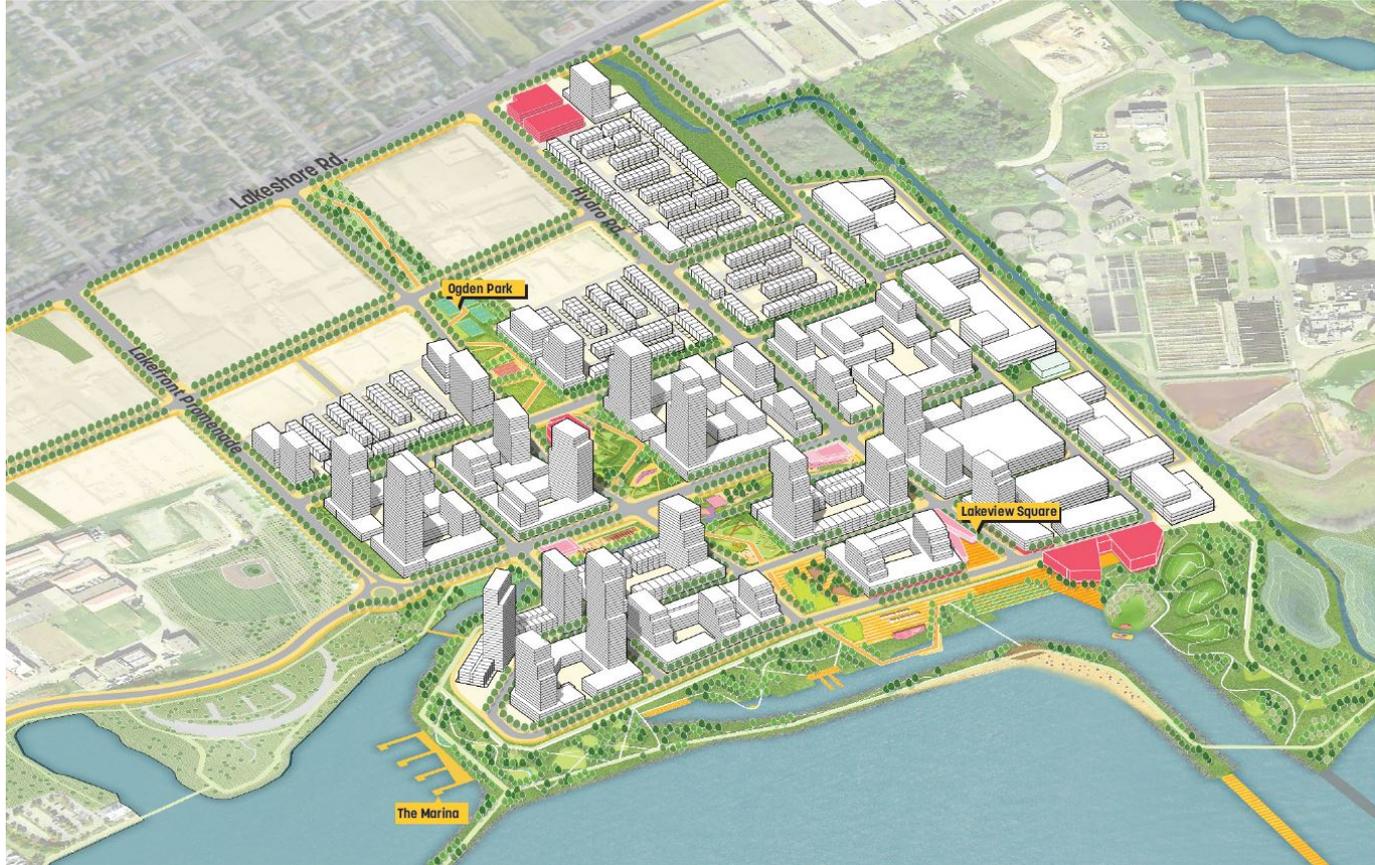


# The Purpose

To visit innovative urban developments to get ideas for Lakeview Village

4.1-3

# Inspiration Lakeview





**15,000 – 17,000**  
anticipated residents

**100,000 – 130,000**  
square feet available  
retail space



**700,000 – 825,000**  
square feet available  
for employment

**3,500 – 4,500**  
Long-term jobs  
(includes construction  
and employment)



**8,000 – 10,000**  
residential units

**10 - 15**  
Acres of available  
education and cultural  
lands (city owned)



# 4.1-5 Sustainability Initiatives



# Sweden

## Urban Development in Major Cities

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# Moving on up: Apartment-Dwellers

- Mid-rise apartment dwellers – creates opportunities for innovation in public service delivery
- Human Scale
- Quality Design & Materials



# Mix it up: Live & Work

- Compact connected communities to work and live
- Sustainability-first focus
- Integration of nature into built spaces



# Get moving: Eco-style

- Multimodal transportation emphasis
- Growing economies – reducing fossil fuel dependency



4.1-10



# Culture of Community Education

- In-place education centers and meeting spaces



# Sweden

## Waste Management

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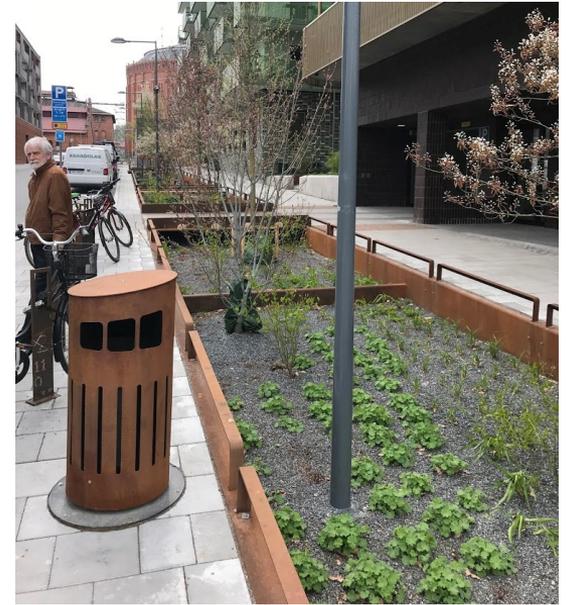
# Vacuum – System Design

- It all starts in the kitchen
  - Have space for all fractions



# Vacuum – Inlet Options and Pipes





# Vacuum – Inlet options

# Optibag vs. Multi chutes

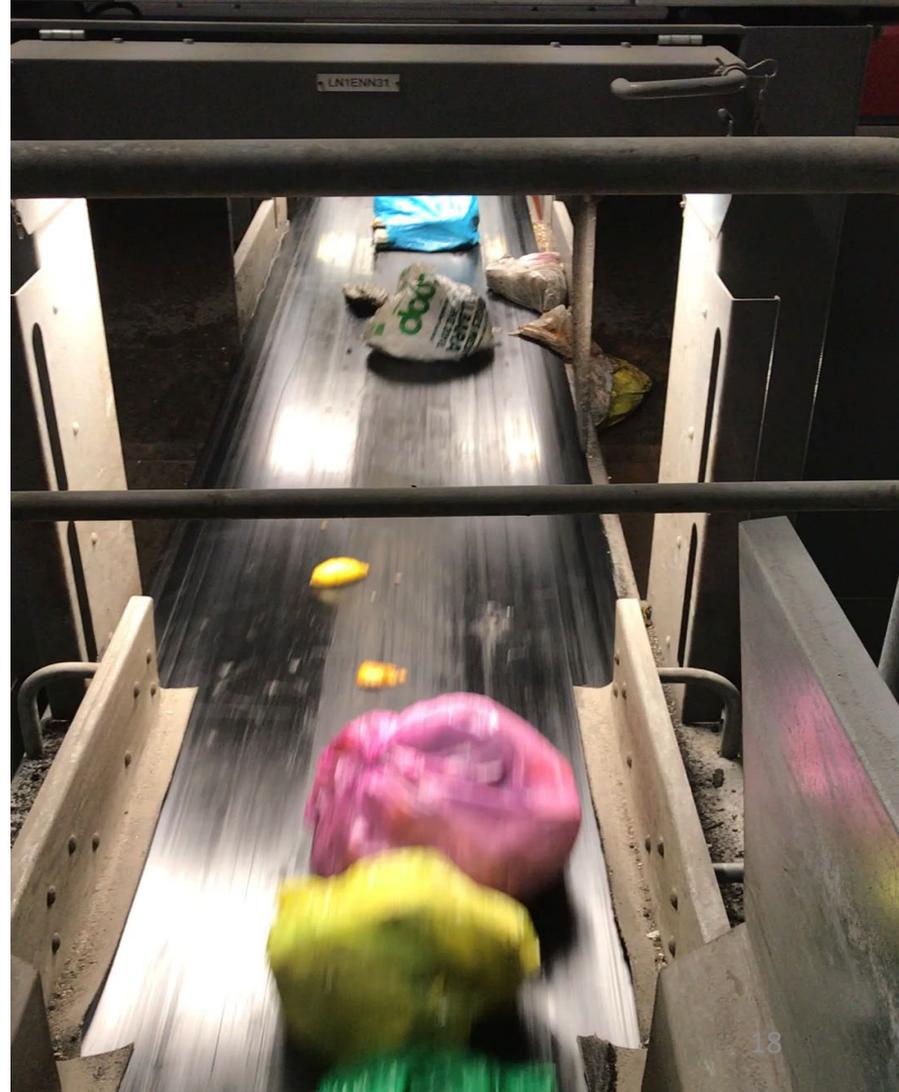


# Optibag system

- Single inlet
- Smaller terminal building
- Remote sorting station
- Bag tying is key



# Optibag system Video



4.1-19



# Optibag System

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# Vacuum – Central Station

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## Next Steps – Waste

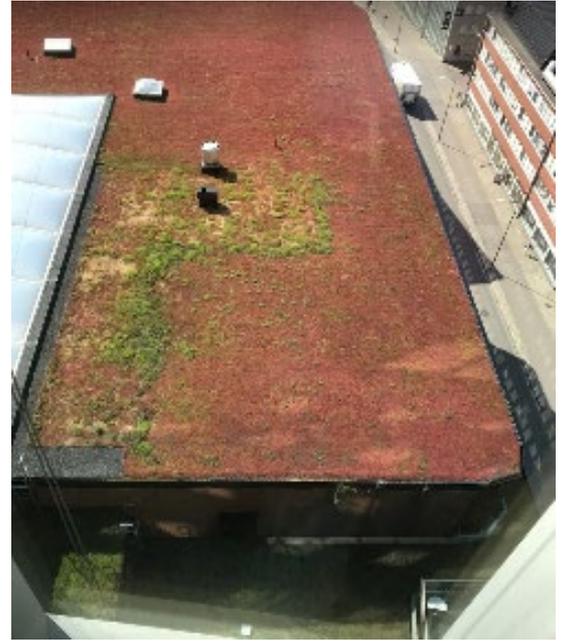
- Staff to follow up directly with Envac and Optibag for additional information
- Lakeview partners to submit proposed system
- Staff to review and work with Lakeview partners to finalize design, ownership, cost sharing, etc.
- Staff to consider possible role for vacuum waste collection and optibag system elsewhere in Peel and develop design standards

## Biochar (before and after)



**Interesting – Biochar**

4.1-23



Interesting – Red roofs

4.1-24



**Interesting – Natural space**



# Thank you

Contact info:  
Region of Peel

Norman Lee  
Director, Waste Management  
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Andrea Warren  
Director, Development Services  
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**For Information**

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DATE: June 11, 2019

REPORT TITLE: **COMMUNICATIONS AND EDUCATION STRATEGY TO SUPPORT THE ROADMAP TO A CIRCULAR ECONOMY IN PEEL**

FROM: Andrew Farr, Acting Commissioner of Public Works

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## OBJECTIVE

To inform Regional Council about the Communications and Education Strategy that supports Peel's long-term waste management strategy: the "Roadmap to a Circular Economy in Peel".

### REPORT HIGHLIGHTS

- Achieving the Region of Peel's target of 75 percent 3Rs waste diversion by 2034 is dependent on effective resident participation in Peel's waste reduction and resource recovery programs.
- As part of the Region's long-term waste management strategy, the "Roadmap to a Circular Economy in Peel", a Communications and Education Strategy has been established to educate residents on the benefits of Peel's waste programs and on how to effectively participate in them.
- This strategy was developed using foundational research of residents, industry best practices, and expert review and consultation.
- The strategy's main goal is to support the 75 percent waste diversion target by 2034 through specific yearly communication plans, which will align with Waste Management's divisional priorities and program objectives and outcomes.
- Five key elements will be used when developing program-specific communications and education plans: 1) Gather and use research data; 2) Tell our story; 3) Use audience-specific communications; 4) Support education initiatives; and 5) Partner and collaborate.
- Scope of work, priorities and budget will be determined on an annual basis, and a consistent planning and implementation process will be used for each program-specific communications and education plan.

## DISCUSSION

### 1. Background

In December 2017, Council adopted a long-term waste management strategy entitled, "Roadmap to a Circular Economy in Peel" (the Roadmap), which outlines new programs, policies and processing capacity to achieve the Region of Peel's target of 75 percent 3Rs waste diversion by 2034.

## COMMUNICATIONS AND EDUCATION STRATEGY TO SUPPORT THE ROADMAP TO A CIRCULAR ECONOMY IN PEEL

The Roadmap is aligned with the province's regulatory framework, which aims to create a circular economy, where waste is considered a resource that can be recovered, reused and reintegrated.

The Roadmap emphasizes that the success of Peel's waste diversion programs is dependent on resident participation, which is driven by three factors: convenience, education and enforcement.

A focus on educating residents remains a priority. However, more research was required to better understand the needs of residents, recognizing that residents must be motivated and have the knowledge and understanding of how to properly participate in Peel's waste programs.

The Region's approach to communicating to residents must also reflect key insights gathered from this research.

As such, the Region developed a new Communications and Education Strategy (the Communications Strategy), which is a key component of the Roadmap. This Communications Strategy is based on the following research and consultation work recently completed:

- Conducting Foundational Research – including behavioural insights research that identified barriers preventing residents from participating in waste programs, and motivators for properly participating. Focus groups and an online survey with residents were also conducted to determine their level of understanding of common waste terms and images used in Peel's communications materials.
- Exploring Industry Best Practices – including various behaviour change and change management models, community-based social marketing techniques and case studies, and the review of several industry-recognized promotion and education campaigns and activities implemented by different municipalities.
- Seeking Out Expert Review and Consultation – including an internal review by leadership and key stakeholders from various divisions and sections within the Region, and an external review by a third-party marketing consultant.

### 2. Goals and Objectives

The goal of the Communications Strategy is to support the Region's waste management target to reach 75 percent diversion by 2034 through specific yearly communications and education plans, which will align with waste management priorities and program objectives and outcomes.

The Communications Strategy's main objectives are to:

- Create awareness of Peel's waste programs and increase desire for greater participation to increase resource recovery.
- Change improper resident behavior to reduce issues, including littering and contamination.

**COMMUNICATIONS AND EDUCATION STRATEGY TO SUPPORT THE ROADMAP TO A CIRCULAR ECONOMY IN PEEL**

- Encourage waste reduction and reuse to increase diversion.

**3. Guiding Principles**

When applying the Communications Strategy, staff will follow these guiding principles:

- Build goodwill through tone of messages and positive recognition.
- Keep information accessible and straight-forward.
- Engage Regional Council in advance of external audiences.
- Recognize the needs of Peel’s diverse population and support the Region’s Vision of a Community for Life.

**4. Key Elements**

When developing program-specific communications and education plans, five key elements will be incorporated:



- Gather and use research and data – to guide the design and implementation of communications plans, as well as evaluate program impacts to direct future business decisions and scope of work.
- Tell the story – using a consistent narrative that supports reputation, builds trust, and helps residents understand how their efforts support 75 percent waste diversion.

## **COMMUNICATIONS AND EDUCATION STRATEGY TO SUPPORT THE ROADMAP TO A CIRCULAR ECONOMY IN PEEL**

- Use audience-specific communication – that addresses motivation and barriers, engages with audiences in channels they prefer, use terminology they understand and messages that resonate, and recognizes and draws on audience diversity including age, ethnicity and geography.
- Support education initiatives – by ensuring that the Region’s school-based education activities and community outreach efforts are aligned with the Roadmap. This involves providing relevant material that motivate and encourage desired behaviors with students and residents based on current waste program priorities.
- Partner and collaborate – with stakeholders to improve our communications efforts by sharing data and lessons learned, as well as cross-promote and identify emerging challenges in advance so that efforts and resources towards similar key issues are coordinated effectively.

### **5. Priorities and Outcomes**

To achieve the goals and objectives of the Communications Strategy and the Roadmap, staff will assess its priorities based on a three-year outlook (see Appendix I) and plan its annual scope of work accordingly. This ensures that the Region will:

- Focus communications and education campaigns on program activities that contribute towards achieving key milestone targets in support of the Roadmap.
- Measure communication metrics against key program targets to understand the success of our efforts and apply them to future work (e.g. analyzing waste audit data, audience-testing of creative concepts, digital metrics and business impacts).
- Prioritize operational activities (for example, planned changes in operations that impact the resident).
- Consider top-of-mind issues relevant to the public (for example, single-use plastics).
- Identify budgetary requirements, use guiding principles, and apply a consistent planning and implementation process (see Appendix II).

## **FINANCIAL IMPLICATIONS**

The work effort to develop the Communications and Education Strategy is included in the 2019 Budget. Based on the current three-year outlook, and following the Region’s budget planning process, the Region will annually identify resources and research required to ensure efficient and effective implementation of its waste management Communications Strategy, while achieving key milestones of the Roadmap.

## **CONCLUSION**

Through the “Roadmap to a Circular Economy in Peel”, a key success factor in achieving 75 percent 3Rs waste diversion by 2034 is dependent on effective resident participation. By increasing awareness of Peel’s waste programs and providing education on their benefits, residents can be motivated to properly and effectively participate.

**COMMUNICATIONS AND EDUCATION STRATEGY TO SUPPORT THE ROADMAP TO A CIRCULAR ECONOMY IN PEEL**

The Communications and Education Strategy developed by staff enables residents and key stakeholders to collectively help in achieving the Region's waste diversion targets, and ultimately, the Region's Vision of a Community for Life.



Andrew Farr, Acting Commissioner of Public Works

**Approved for Submission:**



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D. Szwarc, Chief Administrative Officer

Appendix I Communications and Education Three-Year Outlook (2019-2021)

Appendix II Communications and Education Planning and Implementation Process

*For further information regarding this report, please contact Norman Lee, Director, Waste Management, extension 4703, [norman.lee@peelregion.ca](mailto:norman.lee@peelregion.ca).*

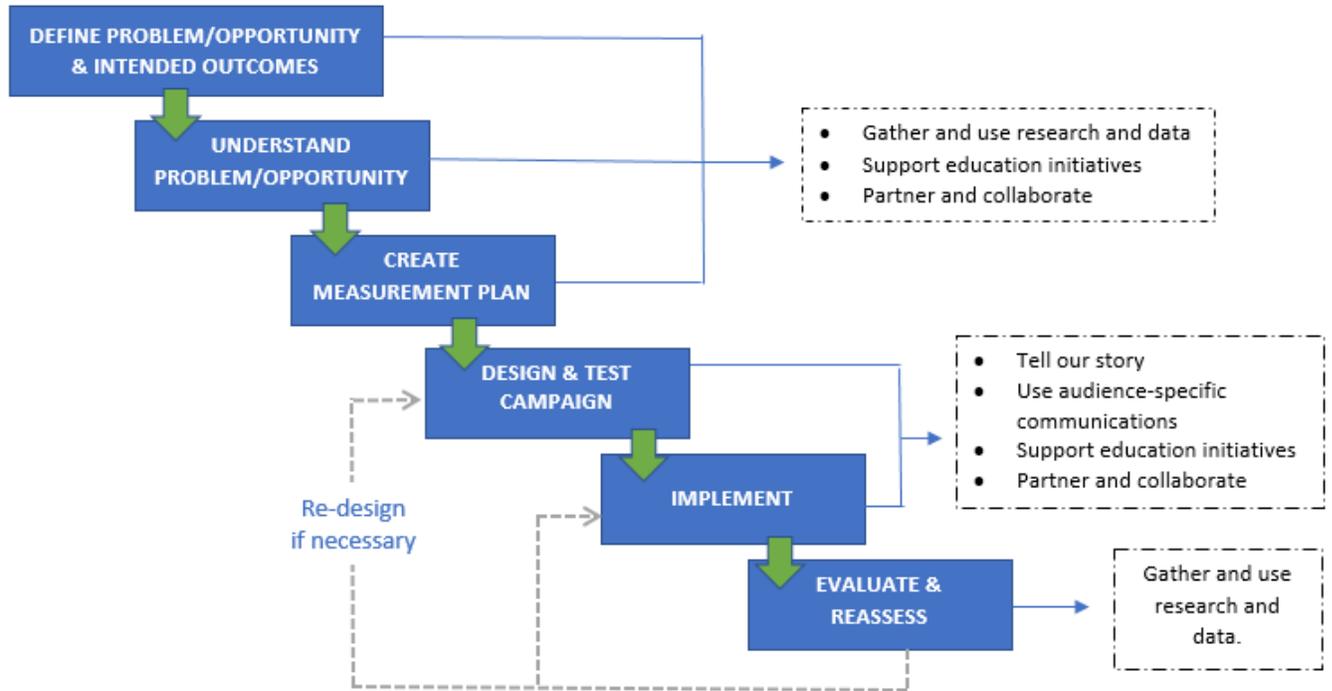
*Reviewed in workflow by:*

Financial Support Unit

## Communications and Education Three-Year Outlook (2019-2021)

PRIORITIES	2019	2020	2021
Behavior Change Communications	<ul style="list-style-type: none"> <li>• Recycling contamination awareness</li> <li>• Organics participation promotion</li> <li>• Proper medical waste disposal</li> </ul>	<ul style="list-style-type: none"> <li>• Recycling contamination awareness</li> <li>• Textile collection promotion (based on pilots)</li> <li>• Food waste reduction</li> </ul>	<ul style="list-style-type: none"> <li>• Recycling contamination awareness</li> <li>• Community Recycling Centre promotion</li> </ul>
Waste Service Communications	<ul style="list-style-type: none"> <li>• Ongoing seasonal waste service changes, annual community waste events (examples: Spring Battery Collection, Paper Shredding Events, Thanksgiving waste collection service changes)</li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing seasonal waste service changes, annual community waste events (examples: Spring Battery Collection, Paper Shredding Events, Thanksgiving waste collection service changes)</li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing seasonal waste service changes, annual community waste events (examples: Spring Battery Collection, Paper Shredding Events, Thanksgiving waste collection service changes)</li> </ul>
Research	<ul style="list-style-type: none"> <li>• Procurement of multi-year contract with market research firm to conduct audience testing of messaging and creative concepts for communication campaigns.</li> <li>• Ongoing behavioural insights research.</li> </ul>	<ul style="list-style-type: none"> <li>• Audience segmentation research to identify resident groups based on Peel demographics, lifestyles and habits as it relates waste disposal.</li> <li>• Ongoing behavioural insights research.</li> <li>• Audience testing of messages and creative concepts (as necessary).</li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing behavioural insights research.</li> <li>• Audience testing of messages and creative concepts (as necessary).</li> </ul>

### Communications and Education Planning and Implementation Process





# Roadmap to a Circular Economy Communications and Education Strategy

***Developed by:***

Waste Management, Public Works

Marketing and Communications, Corporate Services

June 20, 2019

Erwin Pascual, Manager, Waste Planning

Amie Miles, Manager, Strategic Client Communications



# Purpose

To provide a summary of the new Communications and Education Strategy developed to support Region of Peel's long-term waste management strategy: *Roadmap to a Circular Economy in Peel*.



# Background

## Roadmap to a Circular Economy in Peel

- Adopted by Council in December 2017
- Includes new programs, policies and processing capacity to achieve 75 percent 3Rs diversion by 2034



# Background

- The success of Peel's waste diversion programs is dependent on **resident participation**
- Resident participation is driven by three factors:



# Background

- Educating residents – an important priority
- For residents to participate, they must:
  - Be motivated
  - Know “how to”
- Requires:
  - research to better understand residents’ needs
  - an updated, strategic approach to communicating to residents, based on the research

# Background

## **New Communications and Education Strategy based on:**

- Resident Research
- Industry Best Practices
- Expert Review and Consultation



# Communications Strategy



# Goals and Objectives

## Goal

- To support the Region's target to reach 75 percent diversion by 2034 through specific yearly communication plans, which will align with waste management priorities and program objectives and outcomes.

## Communication Objectives

- To create awareness of waste programs and increase desire for greater participation to increase resource recovery.
- To change resident behavior to reduce issues including littering and contamination.
- To encourage waste reduction and reuse to increase diversion.



# Guiding Principles

When applying this Communications Strategy, we will ensure to:

- Build goodwill through tone of messages and positive recognition.
- Keep information accessible and straight-forward.
- Engage Regional Council in advance of external audiences.
- Recognize the needs of Peel's diverse population.



# Considerations

- Potential impacts to the Communications Strategy's effectiveness:
- Competing and inconsistent messaging
- Language and cultural barriers
- Capacity of residents to absorb messaging (volume, relevance, timing)
- Ever-changing communication channels and multimedia
- Complexity of waste material and the residents' ability to follow all the rules

# Key Elements



# Key Elements



## **Gather and use research and data**

**Use research and evaluation to guide our decisions.**



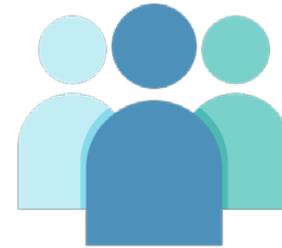
## Tell our story

**Use a consistent narrative that ties communications and education activities together.**



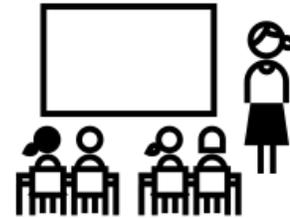
## Use audience-specific communication

**Develop communications tailored toward specific audiences in a way that addresses motivation and barriers.**



## Support education initiatives

**Ensure school-based education activities and community outreach efforts are Aligned with the Roadmap.**



## Partner and collaborate

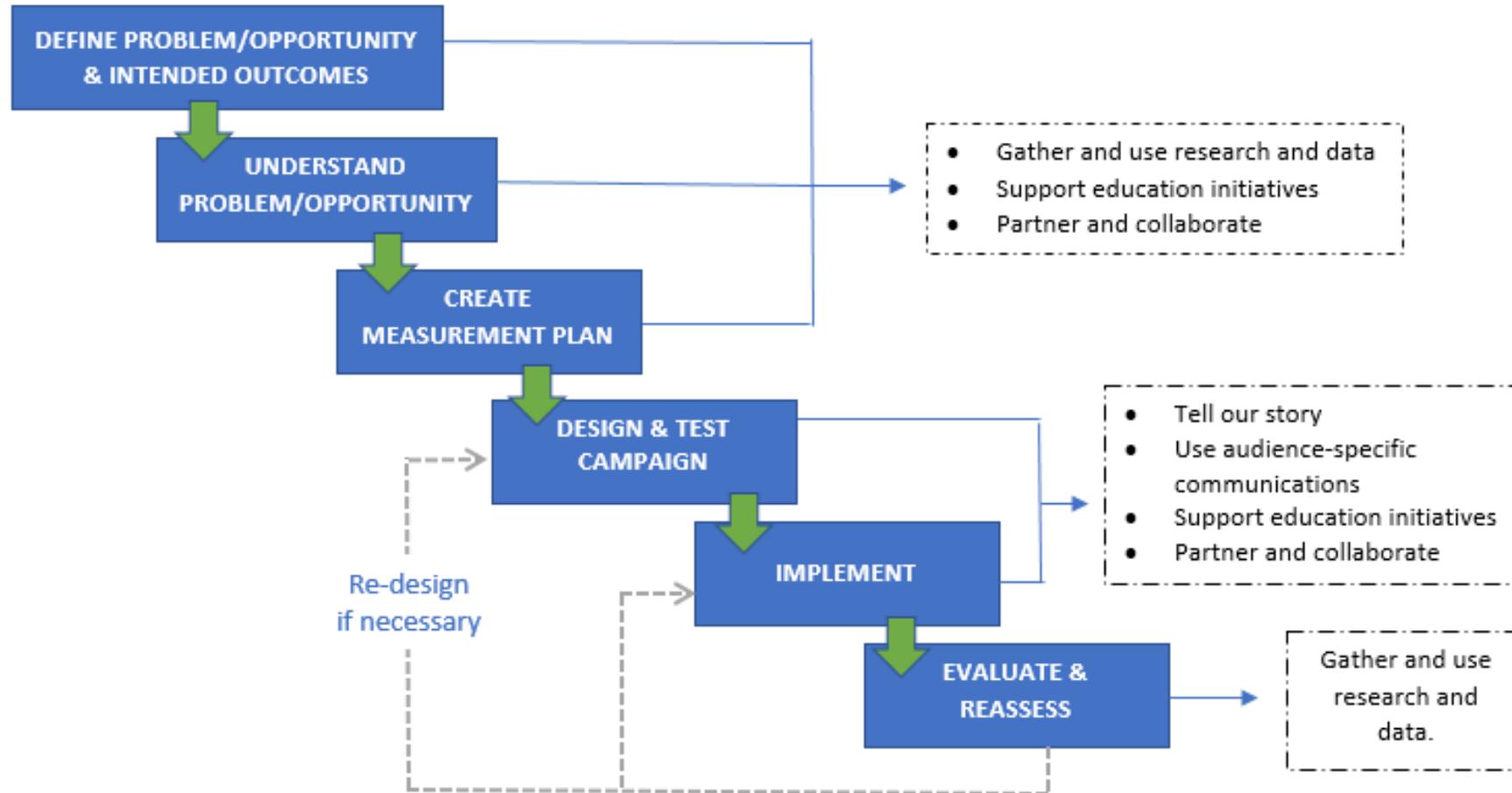
**Work with stakeholders to cross-promote and data share.**



# Planning & Implementation



# Planning and Implementation Process



# The Path **Forward**



# Scope of Work and Priorities

Based on a three-year outlook, staff will annually identify scope of work and priorities that:

- focus on program activities that will help achieve key milestone targets within the Roadmap
- align with planned changes in operations that impact the resident
- consider top-of-mind issues relevant to the public (example: single-use plastics)
- identify budgetary requirements, use guiding principles, and apply a consistent planning and implementation process



# 3-Year Outlook

PRIORITIES	2019	2020	2021
<b>Behavior Change Communications</b>	<ul style="list-style-type: none"> <li>• Recycling contamination</li> <li>• Organics participation</li> <li>• Medical Waste</li> </ul>	<ul style="list-style-type: none"> <li>• Recycling contamination</li> <li>• Textiles</li> <li>• Food waste reduction</li> </ul>	<ul style="list-style-type: none"> <li>• Recycling contamination</li> <li>• Community Recycling Centres</li> </ul>
<b>Waste Service Communications</b>	<ul style="list-style-type: none"> <li>• Ongoing seasonal waste service changes, annual community waste events (examples: Spring Battery Collection, Paper Shredding Events, Thanksgiving waste collection service changes)</li> </ul>		
<b>Research</b>	<ul style="list-style-type: none"> <li>• Service procurement for audience testing of messaging and creative concepts</li> <li>• Behavioural insights</li> </ul>	<ul style="list-style-type: none"> <li>• Audience segmentation</li> <li>• Behavioural insights</li> <li>• Audience testing of messages and creative concepts (as necessary).</li> </ul>	<ul style="list-style-type: none"> <li>• Behavioural insights</li> <li>• Audience testing of messages and creative concepts (as necessary).</li> </ul>



# Thank you

Contact info:

Region of Peel  
Erwin Pascual, Manager, Waste Planning  
10 Peel Centre Drive  
Brampton, Ontario L6T 4B9  
905-791-7800 ext. 4399  
[erwin.pascual@peelregion.ca](mailto:erwin.pascual@peelregion.ca)



**For Information**

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DATE: June 11, 2019

REPORT TITLE: **UPDATE OF CURBSIDE AND MULTI-RESIDENTIAL ENFORCEMENT STRATEGY AND THE EXCESS RECYCLING PILOT**

FROM: Andrew Farr, Acting Commissioner of Public Works

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## OBJECTIVE

To provide an update on the Enforcement Strategy to reduce contamination in the Region of Peel's curbside and multi-residential resource recovery programs and the Excess Recycling pilot to manage and reduce overflow material placed outside curbside recycling carts.

### REPORT HIGHLIGHTS

- On January 4, 2016, the Region of Peel implemented the bi-weekly, cart-based curbside waste collection program, which allows residents to place excess bagged recycling out for collection beside the recycling cart on their recycling collection day.
- Staff is identifying locations that are not setting out recycling properly or that have excessive contamination and will determine what combination of education and enforcement will be most effective with residents to reduce contamination.
- Staff is gathering data on the percentage of households regularly setting out additional recycling.
- Staff will use the contamination findings to inform a policy recommendation on an education and enforcement approach to reduce contamination in blue box recycling in 2020.
- Staff will use the set-out findings to inform a policy recommendation for households that regularly set out excess recycling and will present this recommendation to Council for approval in 2020.

## DISCUSSION

### 1. Background

On January 4, 2016, the Region of Peel implemented the bi-weekly, cart-based, waste collection program, which allows residents to place excess bagged recycling out for collection beside the recycling cart on their recycling collection day. While excess bagged recycling is acceptable in Peel's program, it slows down collection and can lead to late collections.

Contamination in recycling is a growing issue, not only in Peel, but across Ontario and Canada. Contamination in Peel's Blue Box program cost taxpayers an estimated \$5 million

## UPDATE OF CURBSIDE AND MULTI-RESIDENTIAL ENFORCEMENT STRATEGY AND THE EXCESS RECYCLING PILOT

per year. As indicated in the Roadmap to a Circular Economy in the Region of Peel, staff will update Peel's approach to enforcement to improve the performance of existing curbside and multi-residential resource recovery programs, including reducing contamination.

To manage the amount of excess bagged recycling material outside of the recycling cart, which will help reduce contamination at the curb, staff has explored the following options: continue with the current process of residents requesting additional capacity, investigate the cost of weekly recycling collection and proactively increase recycling capacity for residents.

### 2. Excess Recycling Pilot

To validate the extent of the excess recycling issues at the curb, staff has been going out on collection days and monitoring what is being set out at the curb at households that are representative of the Region's home styles and geographic locations.

Staff has explored the following options to deal with excess recycling:

#### a. Weekly recycling

In 2017, staff was directed to investigate the cost of weekly curbside recycling. At its meeting held on April 5, 2018, Regional Council received the report titled "Cost of Weekly Curbside Recycling Collection" that concluded a change from bi-weekly to weekly recycling collection was not recommended at that time. Staff estimated that changing from bi-weekly to weekly recycling collection would cost an additional \$21 million per year (Resolution 2018-261). Staff recommended investigating a more targeted approach of providing of extra carts, which would deliver results at a lower cost.

#### b. Current process

Residents that request additional recycling capacity and are setting out excess recycling are monitored over two to three collection periods. Staff verify that the material being set out for collection is part of the Region's recycling program and that residents are correctly setting out their material. If residents adhere to the Region's set out standards and still require extra capacity, an additional/larger recycling cart is delivered at no cost to the resident.

#### c. Pilot – increasing recycling capacity

Staff pro-actively identify households that are setting out excess recycling and monitor those locations over an eight-week period. Similar to the current process, staff examine the material in the carts and bags containing excess recycling. If the material is not part of the Region's recycling program, or if set out practices could be improved (e.g. cardboard boxes are not flattened), educational material is left for the resident with the expectation that the volume of material set out as recycling will be reduced, alleviating the need for a larger or additional cart. If the material is part of the Region's recycling program, a larger or additional recycling cart will be delivered to the resident, at the end of the eight-week cycle at no cost.

## UPDATE OF CURBSIDE AND MULTI-RESIDENTIAL ENFORCEMENT STRATEGY AND THE EXCESS RECYCLING PILOT

Preliminary data suggests a reduction in the number of households that are setting out excess recycling in bags as a result of providing either a larger or additional recycling cart to residents.

The cost of this approach is expected to be significantly less than the cost of weekly recycling.

Staff will present the findings along with the recommended approach in 2020.

### 3. Curbside Enforcement Pilot

Contamination in recycling is becoming an issue, both at the curb and in the multi-residential sector. The issue is not just in Peel, but across Ontario and Canada and continues to grow.

The Roadmap included the following action:

*Action 11: Update our approach to enforcement to improve the performance of existing curbside and multi-residential resource recovery programs.*

*The Region will:*

- *Implement an enforcement pilot program to reduce contamination in the curbside recycling program by checking carts and leaving contaminated carts behind without being collected*
- *Develop a comprehensive Enforcement Plan based on the findings of the pilot and additional research and report back to Council with recommendations*
- *Implement actions to increase participation and decrease contamination in Peel's Blue Box and Green Bin programs through education and enforcement approaches that will be identified in the Enforcement Plan*

Staff is conducting an enforcement pilot to improve the performance of existing curbside resource recovery programs. This pilot started in October 2018 and will run for 12 months.

During the pilot, staff identify households that are setting out recycling that is contaminated with garbage or organics by examining the contents of the recycling carts. Staff use a combination of education and enforcement to determine what is the most effective way to encourage residents to properly participate in the Region's waste programs.

Staff identify locations that are setting out recycling properly and provide positive feedback to the residents about how they are contributing to the resource recovery programs in a positive way. Residents that set out their waste correctly, with no contamination during the pilot receive a door hanger with a seed package attached to it, thanking residents for their continued efforts to recycle properly.

The number of resident interactions is tracked. These interactions include face to face conversations or education material left for the resident, informing them of the contamination in the recycling.

## **UPDATE OF CURBSIDE AND MULTI-RESIDENTIAL ENFORCEMENT STRATEGY AND THE EXCESS RECYCLING PILOT**

To date, staff is having a positive effect when in the community. They engage with residents on a daily basis and provide education on the Region's waste programs. Residents are eager to do the right thing, and staff has not received any escalated complaints from residents. Only one resident called to report that the contamination in their cart was due to illegal dumping.

### **4. Multi-Residential Enforcement Strategy**

Since 2016, staff has implemented various education-based approaches in an attempt to reduce recycling contamination in multi-residential buildings. Staff provided multi-residential buildings across the Region of Peel with reusable bags, door hanger with detachable magnets, posters, lobby displays and follow up reminder door hangers.

Staff also support property managers through a Multi-residential Working Group and Quarterly Waste Report Cards.

In 2013, staff established a multi-residential waste diversion working group consisting of property managers and industry experts as per the recommendations under Council Resolution 2011-1150. To date, a total of eight working group meetings have taken place where staff communicated its policy direction to stakeholders and allowed stakeholders to provide feedback on policy direction, the Region's promotion, education and outreach programs and discuss options for effectively implementing initiatives to reduce contamination and achieve increased diversion in the multi-residential sector. Stakeholders were made aware that enforcement fees may be applied in the future for contaminated recyclable material.

Through radio frequency identification equipment installed on bins and collection vehicles, the Region provides quarterly feedback to property managers and superintendents on the amount of garbage and recycling collected at their properties through report cards. This encourages property managers to support and improve the recycling program.

In 2018, staff selected three groups of low performing multi-residential buildings (31 in total) in which to implement the targeted education campaigns. Staff spent three to four weeks working with buildings to increase the convenience of recycling where possible, delivered letters to inform property managers of the high contamination issue, distributed education material and provided padlocks to keep the recycling containers securely closed. Staff also tested the use of gravity locks as a convenient way to keep the recycling containers locked before and after collection.

After implementing these actions, staff did not observe a consistent or sustained reduction in contamination and is now piloting an enforcement-based approach to reduce multi-residential recycling contamination.

Staff selected four buildings to pilot an enforcement approach. These buildings were among the worst performers from the three groups that received targeted education campaigns in 2018. Audits of these buildings' recycling were conducted in March and April 2019 to obtain a baseline contamination rate. The contamination rates in these buildings ranged from 38 percent to 51 percent.

**UPDATE OF CURBSIDE AND MULTI-RESIDENTIAL ENFORCEMENT STRATEGY AND THE EXCESS RECYCLING PILOT**

In May 2019, staff met with and delivered letters to the four individual buildings (owner and property manager) with information on their recycling contamination and indicating they will be placed on a four-month monitoring period with a prescribed target of 25 percent. The Region will provide assistance to property management to help reduce contamination and ensure materials are placed in the proper waste stream.

During the four-month monitoring period, if the recycling containers are found contaminated above the target prescribed, a recycling clean-up fee will apply based on the cost the Region incurs to collect and process contaminated recycling material.

This fee will be charged monthly until the contamination rate in the recycling has reduced to the prescribed target.

Staff will conduct this pilot and present its results along with a recommended enforcement approach for the multi-residential sector in early 2020.

**FINANCIAL IMPLICATIONS**

The cost of this year-long curbside excess recycling and enforcement strategy pilot is estimated to be \$678,000, which includes staffing, resources and communications material. These costs will be funded from Capital Project 15-6943.

The cost of the multi-residential enforcement strategy pilot is estimated to be \$10,000 which includes educational material and recycling compositions audits. These costs are being funded from the 2019 operating budget.

**CONCLUSION**

Staff is conducting a 12-month pilot to understand and test approaches to reduce the amount of recycling set out in bags and to reduce the amount of contamination in the recycling.

Staff will use the pilot findings to inform a policy recommendation on the provision of extra carts for households that regularly set out excess recycling and to inform a policy recommendation on an enforcement approach to reduce contamination in blue box recycling at curbside and multi-residential locations.



Andrew Farr, Acting Commissioner of Public Works

**Approved for Submission:**



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D. Szwarc, Chief Administrative Officer

**UPDATE OF CURBSIDE AND MULTI-RESIDENTIAL ENFORCEMENT STRATEGY AND THE  
EXCESS RECYCLING PILOT**

*For further information regarding this report, please contact Norman Lee, Director, Waste Management, extension 4703, [norman.lee@peelregion.ca](mailto:norman.lee@peelregion.ca).*

*Reviewed in workflow by:*

Financial Support Unit

# **Excess Recycling Pilot and Enforcement Pilot Update**

Waste Management Strategic Advisory Committee  
June 20, 2019

Norman Lee, Director, Waste Management  
Erwin Pascual, Manager, Waste Planning



# Today's Presentation

- Background
- Curbside Excess Recycling Pilot
- Curbside Enforcement Pilot
- Multi-Residential Enforcement Pilot
- Next Steps

# Excess Recycling Pilot

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- While excess bagged recycling is acceptable in Peel's program, it slows down collection and can lead to late collections.



# Excess Recycling Pilot

- Staff is exploring the following options to deal with excess recycling:
  - Upon request, provide residents who qualify with an additional/larger recycling cart
  - proactively identify residents who need increased recycling capacity and provide an extra / larger cart

# Excess Recycling Pilot

- Staff identify households that are setting out excess recycling and monitor those locations to access regularity
- Staff examine the material in the carts and bags:
  - Determine if all materials are recyclable
  - Determine if set out practices could be improved
  - Leave educational material for the resident
- If appropriate, and if the resident agrees, a larger or additional recycling cart will be delivered

# Excess Recycling Set Outs



The picture on the left shows a medium recycling cart with an extra bag beside it. The cart was exchanged for a large recycling cart.



## Curbside Enforcement Pilot

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- Growing issue throughout the industry

# Curbside Contamination



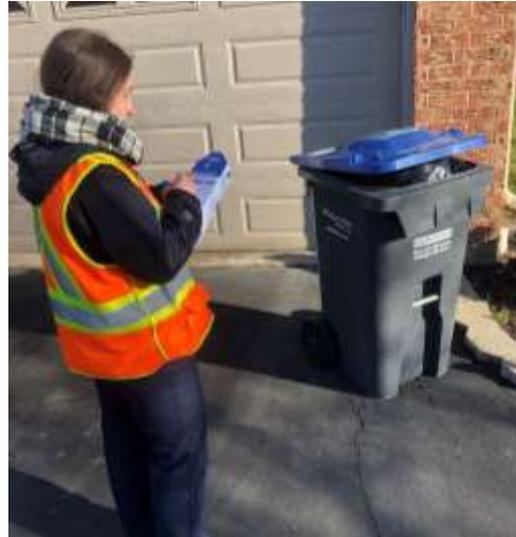
# Curbside Enforcement Pilot

- The pilot started in October 2018 and will run for 12 months
- Staff identify households that are setting out recycling that is contaminated by examining the contents of the recycling carts
- Staff is testing a combination of education and enforcement to determine the most effective way to achieve consistent and sustained improvements
- Residents that set out their waste correctly, with no contamination during the pilot receive a door hanger with a seed package attached to it, thanking residents for their continued efforts to recycle properly

# Curbside Enforcement Pilot



Contaminated Recycling Cart  
set out for collection



Staff educating residents  
on contamination



Recycling Cart pulled back  
from curb



# Multi-residential Enforcement Pilot

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- Growing issue throughout the industry



# Multi-Residential Enforcement Pilot

- Since 2016, staff has implemented various education-based approaches in an attempt to reduce recycling contamination
- After implementing these actions, staff has not observed a consistent or sustained reduction in contamination
- Staff is now pilot testing an enforcement-based approach to reducing Multi-Residential recycling contamination

# Multi-Residential Contamination



# Multi-Residential Enforcement Pilot con't

- Staff selected four buildings to pilot an enforcement approach:
  - These buildings were among the worst performers that received targeted education campaigns.
  - The contamination rates in these buildings ranged from 38% to 51%.
- During the pilot, staff will:
  - Meet with property managers and inform them of their current contamination rate and the target (25%)
  - Give them a set time to meet target – up to four months
  - Provide them with assistance to meet the target
- If the target is not met according to set deadlines, the property managers/owners are charged recycling clean up fees until the target is reached



# Next Steps

- Staff will:
  - Complete the pilots
  - Gather and analyze the data
  - Make policy recommendations in 2020



# Thank you

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**For Information**

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DATE: June 11, 2019

REPORT TITLE: **WASTE MANAGEMENT FINANCIAL PLAN UPDATE**

FROM: Andrew Farr, Acting Commissioner of Public Works  
Stephen VanOfwegen, Commissioner of Finance and Chief Financial Officer

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## OBJECTIVE

To provide Regional Council with an update on the development of a Waste Management Financial Plan, including a possible volume-based user fee system.

### REPORT HIGHLIGHTS

- Peel's long term Waste Management Strategy "The Roadmap to a Circular Economy in Peel" (the Roadmap) projected the cost of achieving Council's 75 percent 3Rs diversion target.
- As part of the Roadmap staff committed to develop a financial plan to fund the initiatives in the Roadmap, including the possible use of volume-based user fees, which not only provide funds but also provides an incentive to divert.
- Various municipalities in Ontario and North America have implemented different financial models to incentivize diversion, including volume-based user fees.
- A consultant will be retained to do a scan of existing funding models and assist staff in developing the Financial Plan.
- The draft Financial Plan will be presented to Regional Council for endorsement in Fall 2019. Public consultations are planned for early 2020.
- The final Financial Plan will be presented to Regional Council for approval in late Spring 2020.

## DISCUSSION

### 1. Background

On December 14, 2017, Regional Council approved Peel's long term Waste Management Strategy entitled, "The Roadmap to a Circular Economy in Peel" (Council Resolution 2017-972). At that time, staff informed Regional Council that implementation plans would be developed for the initiatives in the Roadmap. One such plan is a Financial Plan that details how the capital and operating expenses of the Roadmap will be financed. The Financial Plan will also consider the implementation of a volume-based user fee system.

This report provides Regional Council with an update and overview of the process that staff is following to develop the financial plan.

**WASTE MANAGEMENT FINANCIAL PLAN UPDATE****2. Process**

The financial plan will include but not be limited to the following outcomes;

- Confirmation of funding required to implement the Roadmap to a Circular Economy in Peel;
- Confirmation of current funding sources for waste management;
- Identify the potential funding shortfalls for future development and operations;
- A financial forecasting model that will forecast the financial needs for Waste Management till 2040; and,
- Recommendations for various funding structures i.e. volume-based user fees.

The initial research and draft financial plan are expected to be completed in the fall of 2019, public consultations will happen in early 2020 with the finalized financial plan to be presented to Council in late spring 2020 for approval.

Staff will retain a consultant to assist in the development of the Financial Plan, including the public consultation on the draft Financial Plan.

The Roadmap includes a list of actions that staff will carry out to achieve Peel's target of 75 percent 3R's diversion by 2034. These actions relate to programs, policies and new infrastructure. The costs for new infrastructure, including an anaerobic digestion facility and a mixed waste processing facility are the most significant costs of implementing the Roadmap.

The Roadmap includes high level estimates of the capital and operating cost impacts of implementing the actions in the Roadmap. Staff will refine these operating and capital cost projections as part of the work in developing the Financial Plan.

Funding for waste management services comes from various sources. The majority of the Waste Management Division's operating budget is funded through property taxes. The remaining funding for the operating budget comes from user fees, revenue from recovered Blue Box materials and revenue from producers under Extended Producer Responsibility Programs. These funding sources will change as current waste management programs move to Extended Producer Responsibility, especially the Blue Box Program.

Staff will review these funding sources and any changes to these sources will be reflected in the Financial Plan.

Municipalities across Ontario, Canada and the United States have considered different ways of financing their waste systems to encourage diversion through economic incentives; partly to find sustainable, non-property tax financing.

Staff will research and analyze the various waste management funding models in use in North America, including options for full or partial volume-based user fees. The jurisdictional scan will identify the benefits and drawbacks of the various funding models as experienced by other municipalities. Staff will then use this information to consider the models that can be feasibly implemented in Peel and recommend a financing model to Regional Council.

## WASTE MANAGEMENT FINANCIAL PLAN UPDATE

In Fall 2019, staff will present an update to Regional Council on the Financial Plan including draft recommendations on volume-based user fees. If the draft recommendations are endorsed by Regional Council, staff will then present them to the public and other stakeholders for feedback. Public consultation sessions are expected to be held in early 2020. Feedback from the public will then be incorporated into the final recommendations for the Financial Plan.

Should Council approve volume-based user fees, the implementation timing must be planned carefully. It is intuitive to implement user fees with the commencement of the new waste collection contracts in 2024, however there may be some benefits to implementing user fees earlier or later. Staff will examine the impacts of implementing user fees prior to or after the new waste collection contracts and provide a recommendation to Regional Council on when to implement them.

Implementing user fees will have other impacts that staff will identify and consider. For example, residents may want to change the size of their garbage carts if volume-based user fees are implemented. Staff will include these considerations when recommending the financial model for waste management.

The finalized Waste Management Financial Plan will be presented to Council in late Spring 2020 for Regional Council approval. The report will summarize staff's findings, feedback from the public consultations and will make final recommendations for the structure and implementation of the Financial Plan.

## RISK CONSIDERATIONS

The program and policy actions included in the Roadmap are aligned with the current provincial and federal legislation and direction. If the provincial and/or federal direction is significantly different than what is currently anticipated, the programs, policies and planned infrastructure in the Roadmap may need to be adjusted, which may impact the costs and revenues included in the Financial Plan. Staff will continue to track provincial and federal policy and adjust the financial Plan as required.

## FINANCIAL IMPLICATIONS

The costs of developing the financial plan is estimated to be \$500,000 (exclusive of applicable taxes) and is budgeted for under Capital Project 15-6943 for the Waste Management division.



Andrew Farr, Acting Commissioner of Public Works



Stephen VanOfwegen, Commissioner of Finance and Chief Financial Officer

WASTE MANAGEMENT FINANCIAL PLAN UPDATE

Approved for Submission:

A handwritten signature in black ink that reads "David Szwarc". The signature is written in a cursive, slightly slanted style.

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D. Szwarc, Chief Administrative Officer

*For further information regarding this report, please contact Norman Lee, Director, Waste Management, extension 4703, [norman.lee@peelregion.ca](mailto:norman.lee@peelregion.ca).*

*Reviewed in workflow by:*

Financial Support Unit

**For Information**

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DATE: June 11, 2019

REPORT TITLE: **COMMUNITY RECYCLING CENTRE OPTIMIZATION STUDY UPDATE**

FROM: Andrew Farr, Acting Commissioner of Public Works

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## OBJECTIVE

To provide Regional Council with an overview of the Community Recycling Centre Optimization Study and its progress to date prior to conducting public consultations and stakeholder engagement.

### REPORT HIGHLIGHTS

- Peel's Roadmap to a Circular Economy, which was approved by Regional Council on December 14, 2017 (Council Resolution 2017-972), includes a commitment to perform a study of Peel's Community Recycling Centre services to increase resource recovery.
- An environmental scan of other municipal waste and recycling drop-off depots was completed and found that the Region of Peel Community Recycling Centres offer comparable services with some minor differences, mainly in the fee structures.
- The scan also found that the Region of Peel charges one of the lowest tip fees of \$100 per tonne. Surrounding municipalities charge tip fees ranging from \$80 - \$165 per tonne.
- In 2018 Peel's Community Recycling Centres managed approximately 64,000 tonnes of material, of which garbage makes up 24,000 tonnes (37 percent) and the remaining 40,000 tonnes (63 percent) was diverted.
- The 2018 waste composition audits show that of the 24,000 tonnes of garbage received (54 percent) could have been further diverted.
- Staff are developing business cases for potential improvements and changes at the Community Recycling Centres.
- Public consultations and stakeholder engagement will be ongoing through Summer 2019 and will focus on reaching residents that regularly use the Community Recycling Centres.
- Staff will present final recommendations that reflect the feedback obtained through public consultations to Regional Council for approval in early 2020.

## DISCUSSION

### 1. Background

The Community Recycling Centres are waste management facilities used to complement curbside waste collection services within the Region of Peel. These recycling centres offer a

## COMMUNITY RECYCLING CENTRE OPTIMIZATION STUDY UPDATE

convenient way for residents and small businesses to recycle and dispose of material not typically accepted for curbside collection.

There are six Community Recycling Centres within Peel: two in the City of Mississauga, two in the City of Brampton and two in the Town of Caledon. The Region of Peel began operating Community Recycling Centres 1998 and since then, the services at the Community Recycling Centres have evolved to meet the needs of the residents and small businesses of Peel.

Peel's Roadmap to a Circular Economy, which was approved by Regional Council on December 14, 2017 (Council Resolution 2017-972), includes a commitment to perform a study of the services offered through Peel's Community Recycling Centres to maximize opportunities for resource recovery.

### 2. Community Recycling Centre Optimization Study

The Community Recycling Centre Optimization Study will analyze research and existing data to identify potential areas of improvements and service changes. Public consultations and stakeholder engagement will be incorporated into recommendations to Council in Early 2020.

### 3. Environmental Scan

Staff completed an environmental scan of surrounding Ontario municipalities and their waste and recycling drop-off depots, focusing on the following areas:

- Fees structures;
- Materials managed;
- Customer service; and,
- Infrastructure design.

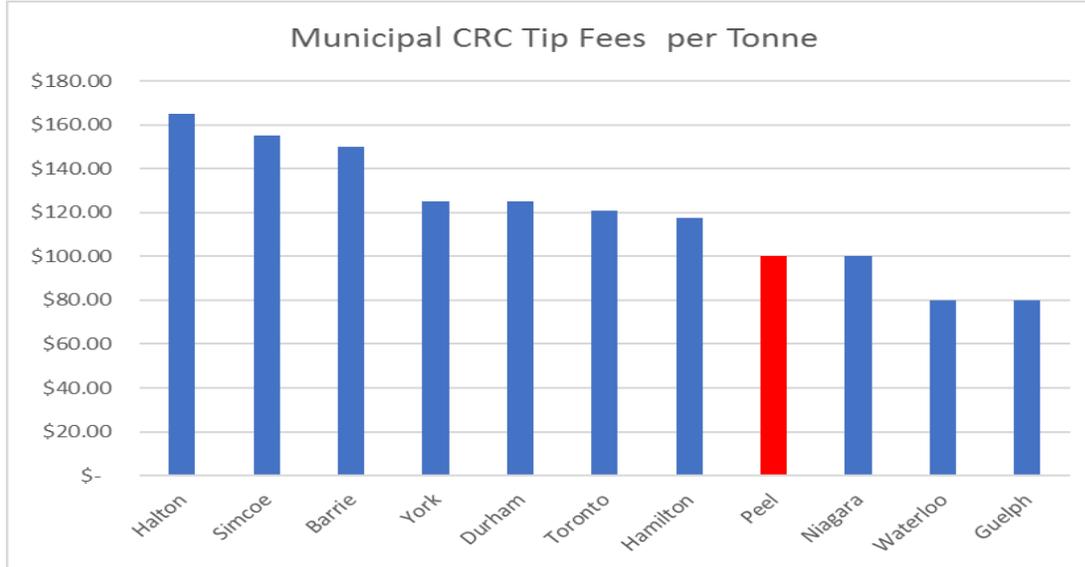
Appendix I provides a summary of the environmental scan.

The environmental scan found that the Region of Peel offers a high level of service to its residents and small businesses. Peel provides the same services as other municipalities with some variations. One of the key differences, between Peel and the other municipalities is that Peel is one of the few municipalities to offer service year-round, seven days a week, with extended hours in the summer.

The environmental scan also found that the Peel charges some of the lowest tip fees compared to the surrounding municipalities. Peel charges users \$100 per tonne for garbage material, whereas other municipalities charge up to \$165 per tonne as shown in Figure 1 below.

## COMMUNITY RECYCLING CENTRE OPTIMIZATION STUDY UPDATE

Figure 1: Tip Fees Charged at Municipal Drop-off Depots



Staff will investigate the potential to adjust operating hours and implement a fee structure that is more consistent with industry standards at the Community Recycling Centres.

#### 4. Compilation and Analysis of Existing Community Recycling Centre Data

Staff also collected and analyzed data from the past eight years of Community Recycling Centre operations to identify trends and areas of opportunity.

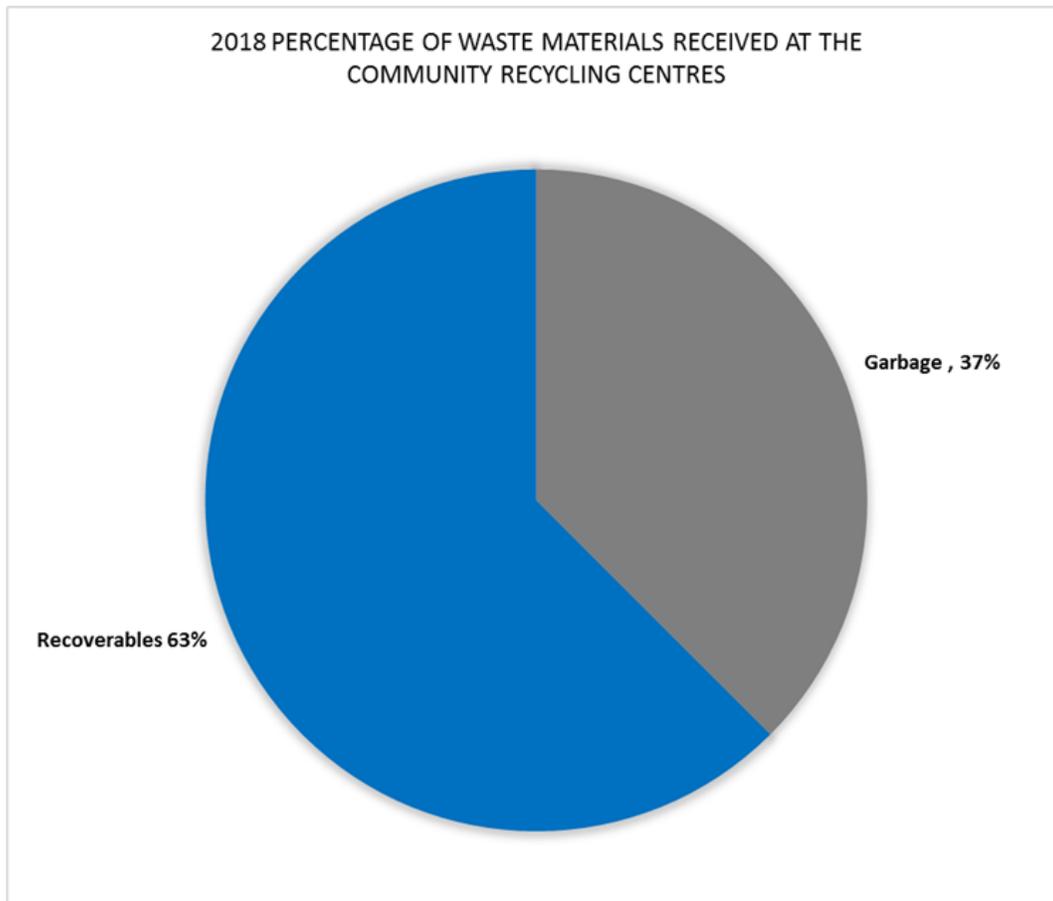
##### Composition of Garbage

Based on the 2018 data, the Community Recycling Centres received and managed approximately 64,000 tonnes of material. Approximately 24,000 tonnes or 37 percent of material was received as garbage, the balance (40,000 tonnes) were received as divertible material.

The 2018 waste composition audits showed that of the 24,000 tonnes of garbage received, more than half the tonnage was divertible through Peel's waste recovery programs (e.g. recycling, organics, etc.) as shown in Figure 2.

## COMMUNITY RECYCLING CENTRE OPTIMIZATION STUDY UPDATE

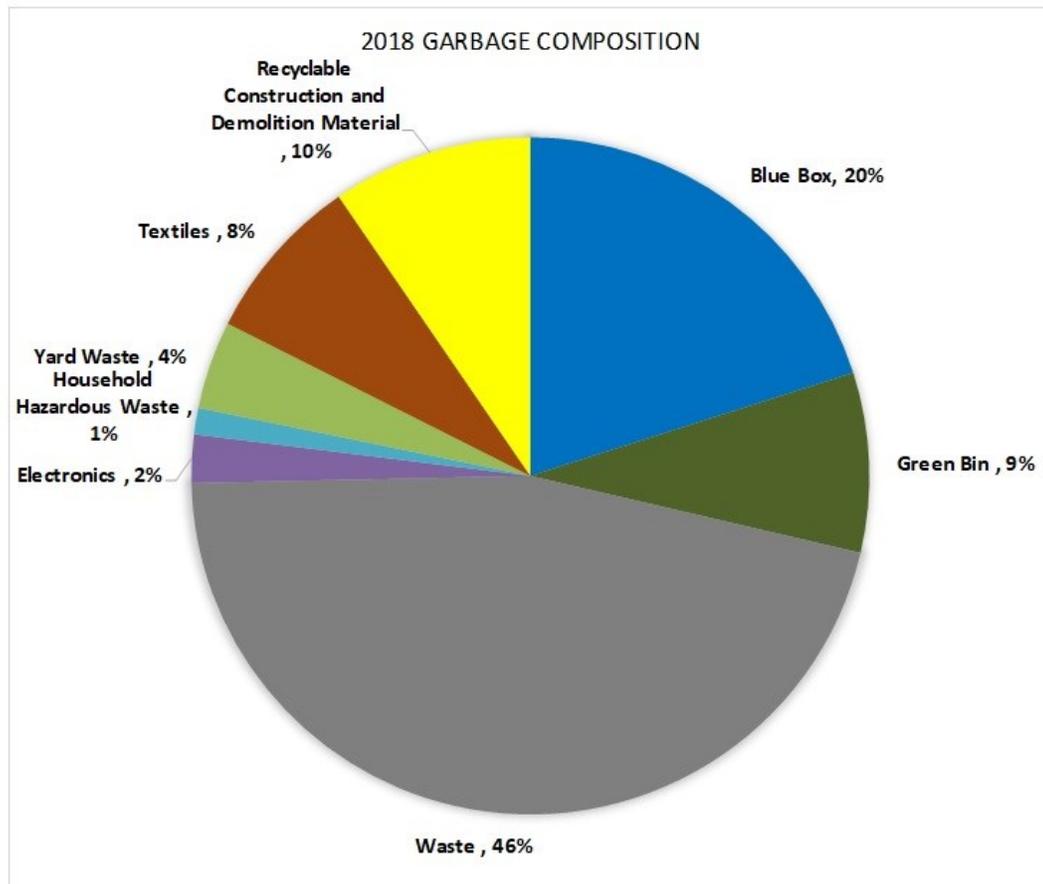
Figure 2: 2018 Percentage of Waste Received



The 2018 waste composition audits showed that 54 percent of the 24,000 tonnes of garbage delivered to the Community Recycling Centres could be recoverable through Peel's waste recovery programs (e.g. recycling, organics, etc.). As a result of this data, staff intend to investigate options to incentivize residents to sort their garbage prior to visiting and utilize the current diversion programs offered at the Community Recycling Centres to prevent recoverable resources from going to landfill. As shown in Figure 3 below.

## COMMUNITY RECYCLING CENTRE OPTIMIZATION STUDY UPDATE

Figure 3: Composition of garbage dropped off at the Community Recycling Centres



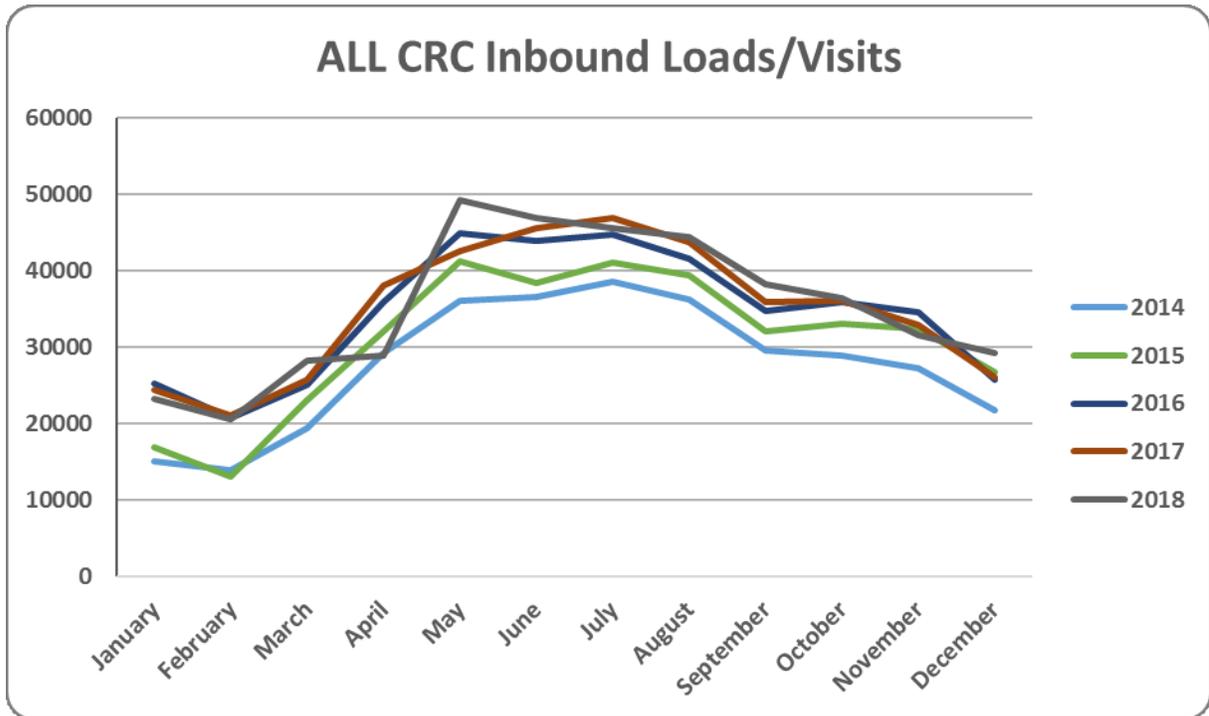
### Community Recycling Centre Participation

On average, the Community Recycling Centres provide service to approximately 425,000 customers annually. The data shows that the Community Recycling Centres are busiest from May – September and that the largest number of visits happen between 10:00 am to 4:00 pm.

Staff intend to investigate a number of different scenarios for changes to the Community Recycling Centre operating hours (e.g. changing extended hours which are currently offered from May – November to offering extended hours from May – September).

## COMMUNITY RECYCLING CENTRE OPTIMIZATION STUDY UPDATE

Figure 4: Number of Visits to the Community Recycling Centres (2014 to 2018)



### Community Recycling Centre Customer Service

Customer satisfaction surveys completed over the past four years have shown that the residents and small businesses using the Community Recycling Centres are 95 – 99 percent satisfied with the services they receive at the Community Recycling Centres.

Staff reviewed the postal codes of residents and small businesses using the Community Recycling Centres to better understand the service areas of the Community Recycling Centres and to identify if any areas in Peel were being underserved.

An analysis of the postal codes shows that while users come from all across Peel, residents tend to use the Community Recycling Centre that is closest to their home.

This data will help inform potential service enhancements at the Community Recycling Centres (e.g. consider allowing non-Peel residents and small businesses to use the Community Recycling Centres) and will use this data to inform a business case for additional promotion of the Community Recycling Centres in certain areas of Peel.

## 5. Identification of Potential Changes to the Community Recycling Centres

To better align the services provided by the Community Recycling Centres with the Roadmap, staff have identified potential changes to the Community Recycling Centres that can be implemented to improve services or increase diversion of materials at the Community Recycling Centres. These include but are not limited to;

## COMMUNITY RECYCLING CENTRE OPTIMIZATION STUDY UPDATE

- Development of policies and procedures to ensure that materials being delivered to the Community Recycling Centres are properly sorted and free from contamination.
- Changes to the fee structure and/or fee increases to incentivize residents to drop-off of less waste and more recoverable materials.
- To accept new materials for diversion, no longer accepting materials at the Community Recycling Centres where residents have other convenient drop-off alternatives or where materials are low in tonnage.

Staff are currently in the process of analyzing and developing business cases for these potential improvements and changes, which will then be used to gain feedback from the public using focus groups and public consultation sessions.

### 6. Public Consultations

Recognizing that any changes (positive or negative) to the services provided at the Community Recycling Centres will have an impact on the residents and small businesses who use the Region's Community Recycling Centres, staff has retained a consultant to conduct public consultations to gather feedback about the recommended improvements and service changes at the Community Recycling Centres.

Consultations will be ongoing through the Summer of 2019 and will focus directly on reaching residents that regularly utilize the Community Recycling Centres. All feedback from the public consultations will be considered when developing the final recommendations.

### FINANCIAL IMPLICATIONS

The costs of completing the Community Recycling Centre Optimization Study, including the consultant's work, is estimated at \$300,000. Sufficient funding is available in Capital Project 18-6370.

### CONCLUSION

One of the actions in Peel's Roadmap is to review the Community Recycling Centre Operations.

This report provides a status update on that work. A final strategy for the optimization of the Community Recycling Centre services to increase diversion opportunities will be brought to Council in early 2020 for approval.



Andrew Farr, Acting Commissioner of Public Works

COMMUNITY RECYCLING CENTRE OPTIMIZATION STUDY UPDATE

Approved for Submission:



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D. Szwarc, Chief Administrative Officer

**APPENDICES**

Appendix I Community Recycling Centre Environmental Scan

*For further information regarding this report, please contact Norman Lee, Director, Waste Management, extension 4703, [norman.lee@peelregion.ca](mailto:norman.lee@peelregion.ca).*

*Reviewed in workflow by:*

Financial Support Unit

**APPENDIX I  
COMMUNITY RECYCLING CENTRE OPTIMIZATION STUDY UPDATE**

**4.5-9**

CRC Environmental Scan					
Material	Peel	Toronto	York	Halton	Durham
<b>Special Program(s)</b>	Hard Plastics	N/A	Polystyrene (dedicated bin)	Orange Box for Household Hazardous Waste	Porcelain Recycling Bulky Polystyrene (Dedicated bin) Election Sign Recycling (promoted on web site)
<b>Reuse Programs</b>	Salvation Army- Thrift Store Paint Reuse	N/A	N/A	Reuse Depot on site Paint Reuse	Paint Reuse
<b>Garbage</b>	\$5 flat rate for loads up to and including 50kg \$100/tonne for loads greater than 50kg	Flat fee of \$12.10 for up to 100kg Afterwards: \$120.93 / tonne	Based on vehicle size: Car/minivan is \$10/load Car/minivan with small trailer is \$13/load Car/minivan with large trailer is \$23/load Pick-up truck is \$30 12/14 foot van is \$89 \$10 min up to 100 kg; \$125/tonne afterwards	50kg or less \$5/load 51 - 150 kg \$10/load more than 150 kg \$165/tonne from 0 tonnes	\$5/load minimum up to 40 kg \$125/tonne, for every additional 8.34 kg, \$1
<b>Blue Box Recyclables (residential only)</b>	Free of charge	20 kg or less free Afterwards: \$90.70 / tonne	Free of charge	Free of charge	\$5/load minimum up to 40 kg \$125/tonne, for every additional 8.34 kg, \$1
<b>Blue Box Recyclables (commercial)</b>	Free of charge	20 kg or less free Afterwards: \$90.70 / tonne	\$125/tonne, \$10 min	\$165/tonne from 0 tonnes (Subject to approval)	\$125/tonne, for every additional 8.34 kg, \$1
<b>Green Cart Organics (resident only)</b>	\$5 flat rate for loads up to and including 50kg \$100/tonne for loads greater than 50kg	Not accepted at transfer stations (will be charged as waste)	N/A	Free of charge	\$125/tonne, for every additional 8.34 kg, \$1
<b>Electronics</b>	Free of charge	Free	Free	Free	Free
<b>Tires</b>	Free of charge, maximum 4 per customer per day	Up to 100kg (approx. 5 tires) free, over is \$181.40/tonne	Free of charge with a limit of 4 per day	Free of charge (max 5 per trip)	Free of charge (max 4 per trip)
<b>Plastic Signs</b>	\$5 flat rate for loads up to and including 50kg \$100/tonne for loads greater than 50kg	N/A	N/A	N/A	Free
<b>Municipal Hazardous or Special Waste</b>	Free of charge Institutional, Commercial and Industrial Small Quantity Generation Exemption	Free of charge except fluorescent tubes: (0-20 4' tubes: no charge; > 20: \$0.26/tube for entire load); (0-10 8' tubes: no charge; > 10: \$0.63/tube for entire load)	Free	FREE	FREE
<b>Cooking Oil</b>	Free of charge	FREE	Free	N/A	FREE
<b>Bulky Polystyrene</b>	Free of charge	Garbage fees apply	Free	N/A	Free of charge (dedicated bin)
<b>Drywall</b>	\$5 flat rate for loads up to and including 50kg \$100/tonne for loads greater than 50kg	Garbage fees apply	\$125/tonne, \$10 min	50 kg or less \$5/load 51-150kg \$10/load more than 150kg \$165/tonne from 0 tonnes	\$5/load minimum \$125/tonne, for every additional 8.34 kg, \$1

**APPENDIX I  
COMMUNITY RECYCLING CENTRE OPTIMIZATION STUDY UPDATE**

**4.5-10**

CRC Environmental Scan					
Material	Peel	Toronto	York	Halton	Durham
<b>Scrap Metal</b>	Free of charge	Recycling fees apply; also collected curbside on Garbage Bin day	Free	50 kg or less \$5/load 51-150kg \$10/load more than 150kg \$165/tonne from 0 tonnes	\$5/load minimum up to 40 kg \$125/tonne, for every additional 8.34 kg, \$1
<b>Shingles</b>	\$5 flat rate for loads up to and including 50kg \$100/tonne for loads greater than 50kg	Garbage fees apply	\$125/tonne, \$10 min	50 kg or less \$5/load 51-150kg \$10/load more than 150kg \$165/tonne from 0 tonnes	\$5/load minimum up to 40 kg \$125/tonne, for every additional 8.34 kg, \$1
<b>Construction Loads</b>	\$5 flat rate for loads up to and including 50kg \$100/tonne for loads greater than 50kg	Garbage fees apply	\$125/tonne, \$10 min	50 kg or less \$5/load 51-150kg \$10/load more than 150kg \$165/tonne from 0 tonnes	\$5/load minimum up to 40 kg \$125/tonne, for every additional 8.34 kg, \$1
<b>Wood</b>	\$5 flat rate for loads up to and including 50kg \$100/tonne for loads greater than 50kg	Garbage fees apply	\$125/tonne, \$10 min	50 kg or less \$5/load 51-150kg \$10/load more than 150kg \$165/tonne from 0 tonnes	\$5/load minimum up to 40 kg \$125/tonne, for every additional 8.34 kg, \$1
<b>Mixed Yardwaste, Leaves, Brush (commercial)</b>	\$5 flat rate for loads up to and including 50kg \$100/tonne for loads greater than 50kg	Recycling fees apply	\$125/tonne, \$10 min	50 kg or less \$5/load 51-150kg \$10/load more than 150kg \$165/tonne from 0 tonnes	\$5/load minimum up to 40 kg \$125/tonne, for every additional 8.34 kg, \$1
<b>Mixed Yardwaste, Leaves, Brush (residential)</b>	\$5 flat rate for loads up to and including 50kg \$100/tonne for loads greater than 50kg	Recycling fees apply	Free for residential loads less than one cubic yard \$65/tonne for all loads more than one cubic yard	\$5/load	\$5/load minimum up to 40 kg \$125/tonne, for every additional 8.34 kg, \$1
<b>Large Appliances</b>	Free of charge	Garbage fees apply	Free of charge with the exception of refrigerated appliances, which are free with a CFC sticker for residents, \$10 with a CFC sticker for industrial/commercial/institutional sources, and \$20 without a CFC sticker	\$5/appliance	\$5/load minimum up to 40 kg \$125/tonne, for every additional 8.34 kg, \$1
<b>Clean Fill (soil)</b>	\$5 flat rate for loads up to and including 50kg \$100/tonne for loads greater than 50kg	Private sector disposal	\$125/tonne, \$10 min	\$5/load (less than a wheel barrow) \$10/load (equivalent volume of a pick up truck)	\$5/load minimum up to 40 kg \$125/tonne, for every additional 8.34 kg, \$1
<b>Woodchips</b>	Free of Charge	Recycling fees apply	N/A	\$5/load 150 kg or less \$10/load more than 150 kg	N/A
<b>Non-reinforced bricks, concrete, rubble</b>	\$5 flat rate for loads up to and including 50kg \$100/tonne for loads greater than 50kg	Private sector disposal	\$125/tonne, \$10 min	\$5/less than a wheel barrow \$10/more than a wheel barrow	\$5/load minimum up to 40kg \$125/tonne for every additional 8.34 kg, \$1
<b>Asbestos</b>	Not accepted	Private sector disposal	N/A	(requires prior approval) \$330/tonne from 0 tonnes	Not accepted

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DATE: June 11, 2019

REPORT TITLE: **REGION OF PEEL'S COMMENTS ON THE PROPOSED REDUCING LITTER AND WASTE IN OUR COMMUNITIES: DISCUSSION PAPER**

FROM: Andrew Farr, Acting Commissioner of Public Works

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## **RECOMMENDATION**

**That the comments included in Appendix I of the report of the Commissioner of Public Works titled “Region of Peel’s Comments on the Proposed Reducing Litter and Waste in our Communities: Discussion Paper” be endorsed.**

### **REPORT HIGHLIGHTS**

- On March 6, 2019 the Ministry of the Environment, Conservation and Parks posted the proposed “Reducing Litter and Waste in our Communities: Discussion Paper” for review with comments due by April 20, 2019.
- The comments included in Appendix I of this report were submitted to the Ministry of the Environment, Conservation and Parks, with the proviso that the comments were subject to Council approval.
- Staff generally supports the proposed “Reducing Litter and Waste in our Communities: Discussion Paper” as it aligns well with the Region’s long-term waste management strategy, the Roadmap to a Circular Economy.
- Staff will continue to participate in Provincial consultations related to waste management.

## **DISCUSSION**

### **1. Background**

In November 2018, the Ministry of Environment, Conservation and Parks released their Made-in-Ontario Environment Plan which covered the following areas: Protecting our Air, Lakes and Rivers; Addressing Climate Change; Reducing Litter and Waste; and Conserving Land and Greenspace.

On January 28, 2019 staff submitted comments on the proposed Made-in-Ontario Environment Plan (Council Resolution 2019-215).

On March 6, 2019 the Ministry of the Environment, Conservation and Parks released further details on litter and waste in the “Reducing Litter and Waste in Our Communities: Discussion Paper” with comments due by April 20, 2019.

## PEEL'S COMMENTS ON THE PROPOSED REDUCING LITTER AND WASTE IN OUR COMMUNITIES DISCUSSION PAPER

The discussion paper includes three broad waste management goals for the Province:

- Decrease the amount of waste going to landfill
- Increase the Province's overall diversion rates
- Reduce greenhouse gas emissions from the waste sector

### 2. Comments on the proposed Reducing Litter and Waste in our Communities Discussion Paper

Overall, the discussion paper is generally consistent with the legislative changes and strategy proposed as part of the provincial government's Made-in-Ontario Environment Plan and aligns well with the Region's long-term waste management strategy, the Roadmap to a Circular Economy.

Staff worked closely with the Association of Municipalities of Ontario on their comprehensive submission, and indicated Peel's support for the Association of Municipalities of Ontario submission in Peel's comments.

Staff limited Peel's comments to stress or expand on the following key areas:

- Emphasizing the importance of transitioning the Blue Box Program under the *Resource Recovery and Circular Economy Act*.
- Designating new materials for extended producer responsibility.
- Support for alternative recycling technologies such as advanced thermo-chemical recycling.
- Support for municipalities to be given more say in the landfill approvals process.

Peel's and the Association of Municipalities of Ontario's comments on the proposed discussion paper are included in Appendix I of this report.

Staff submitted comments to the Ministry of the Environment, Conservation and Parks by the deadline of April 20, 2019 with the proviso that they were subject to Council approval. Should there be additional comments by Council, they will be submitted to the Ministry.

## FINANCIAL IMPLICATIONS

There are no financial implications resulting from this report.

## CONCLUSION

Staff reviewed the proposed "Reducing Litter and Waste in our Communities: Discussion Paper" and submitted the appended comments to the Ministry of the Environment, Conservation and Parks by the April 20, 2019 deadline, with the proviso that the comments were subject to Council approval.

**PEEL'S COMMENTS ON THE PROPOSED REDUCING LITTER AND WASTE IN OUR COMMUNITIES DISCUSSION PAPER**



Andrew Farr, Acting Commissioner of Public Works

**Approved for Submission:**



---

D. Szwarc, Chief Administrative Officer

**APPENDICES**

Appendix I – Region of Peel's Comments on the Proposed Reducing Litter and Waste in our Communities: Discussion Paper

*For further information regarding this report, please contact Norman Lee, Director, Waste Management, extension 4703, [norman.lee@peelregion.ca](mailto:norman.lee@peelregion.ca).*

*Reviewed in workflow by:*

Financial Support Unit

## APPENDIX I

REGION OF PEEL'S COMMENTS ON THE PROPOSED  
REDUCING LITTER AND WASTE IN OUR COMMUNITIES: DISCUSSION PAPER

April 18, 2019

Cindy Acab

Ministry of the Environment, Conservation and Parks

Environmental Policy Division

Resource Recovery Policy Branch

40 St. Clair Avenue West, 8th floor

Toronto ON M4V 1M2

## Public Works

10 Peel Centre Dr.  
Suite A  
Brampton, ON  
L6T 4B9  
tel: 905-791-7800

peelregion.ca

Dear Ms. Acab:

**Re: Discussion paper on Reducing Litter and Waste in Our Communities  
(EBR Registry Number: 013-4689)**

The Region of Peel thanks the Ministry of the Environment, Conservation and Parks for the opportunity to comment on the Discussion Paper on Reducing Litter and Waste in Our Communities (EBR Registry Number: 013-4689).

The Region of Peel supports the Province's commitment to make producers responsible for the waste generated by their products and packaging and increase opportunities for the people of Ontario to participate in waste reduction and diversion efforts. The following comments are in response to the EBR posting on the proposed Discussion Paper on Reducing Litter and Waste in Our Communities. These comments are being submitted prior to getting Council endorsement in order to meet the comment deadline. They will be presented to Region of Peel Council and any amendments to these comments directed by Council will be sent to the Ministry of the Environment, Conservation and Parks as soon as possible for your consideration.

### **Association of Municipalities of Ontario Submission**

The Region of Peel strongly supports the comments and suggestions submitted by the Association of Municipalities of Ontario (AMO). A copy of AMO's submission on the Discussion Paper is attached.

The balance of this submission is intended to stress or expand on key areas.

## Public Works

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tel: 905-791-7800

peelregion.ca

### Transitioning the Blue Box Program

The Region of Peel fully supports transitioning the Blue Box Program to full producer responsibility as producers are in the best position to ensure materials are recovered and reincorporated into new products, increase accessibility and consistency, and promote waste diversion. It is imperative that the transition process occurs in a timely manner to provide clarity and certainty enabling municipalities, producers and service providers to plan future investment into recycling collection and processing infrastructure so that decisions on service delivery do not impact Ontarians.

The Region recommends that the Blue Box program transition through a regulation under the *Resource Recovery and Circular Economy Act (RCCEA)* as it would provide clear direction, timelines, transparency, outcomes and oversight. Further, the Region recommends that the Minister issue a Blue Box program wind-up letter as soon as possible to start the process of planning and consultation on the development of a regulation under the RRCEA.

The phased-in transition process proposed by AMO in its submission is workable as it provides adequate time for consultation and deliberations with stakeholders. That being said, the Region is open to discussion of other transition approaches that allow a transition to full producer responsibility under the RRCEA within the same, or shorter, timeframe.

It is important to note that delaying the transition of the Blue Box program to full producer responsibility increases risk and vulnerability of the Blue Box program. For example, in the face of international market pressures for increased quality of materials municipalities that are unable or unwilling to invest in equipment upgrades might have to stockpile or dispose of materials that have limited market potential.

### Designating Materials for Extended Producer Responsibility

The Region of Peel supports the Province's commitment to designate new materials that are currently not covered by the existing diversion programs. In addition to the materials suggested in the discussion paper (small and large appliances, power tools, rechargeable batteries, fluorescent bulbs and tubes, carpets, mattresses, clothing and textiles, furniture and other bulky items), the Region recommends that home healthcare waste be designated for producer responsibility under the RRCEA.



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Further, consideration should be given to moving sharps and pharmaceuticals under the RRCEA as well as designating the following materials: construction and demolition waste; diapers; sanitary products; compostable products and packaging; durable plastics such as toys; and patio furniture.

### Advanced Thermo-Chemical Recycling

The Region is encouraged the Province will investigate options to recover more resources from waste using technologies, such as advanced thermo-chemical recycling, so that they can be integrated back into the economy. The Ontario Environment Plan notes that the uptake of low carbon fuels such as ethanol gasoline and renewable natural gas will play a significant role in helping Ontario achieve its 2030 GHG reduction targets. As such, emphasis should be put on waste management and recovery approaches that enable opportunities to produce low carbon fuels which can offset GHG emissions in addition to diverting waste from landfills and re-introducing resources into the economy. The Province should support the use of these technologies by putting measures in place to incentivize their use over landfills while ensuring they do not simply take recyclable plastics out of recycling stream. It is also important to ensure these technologies do not negatively impact air quality. As such, research and appropriate evaluation should be undertaken to determine the air quality and health impacts of any proposed alternative technologies or projects. The Region would be happy to participate in these discussions.

### Landfill Siting Approvals

In 2018, the Region of Peel asked the province to “grant municipalities the authority to approve landfill projects in or adjacent to their communities” (Council Resolution 2018-456).

The Region appreciates the points articulated in the discussion paper: that there will be a need for landfills as Ontario works toward diverting more of our waste; that proposals for new or expanded landfills will continue to be subject to the rigorous environmental assessment process under the Environmental Assessment Act and the strict design, operation, closure and post closure requirements under the Environmental Protection Act; and, the need for the Province to balance giving people of Ontario a greater choice in the siting of landfills, while ensuring Ontario has sufficient landfill capacity.

**REGION OF PEEL'S COMMENTS ON THE PROPOSED  
REDUCING LITTER AND WASTE IN OUR COMMUNITIES: DISCUSSION PAPER**

While we appreciate the rigour of the environmental assessment process and the need for the Province to balance competing interests, we still support municipalities being given more say in the landfill approvals process. We therefore support your proposal to ensure consultation between landfill proponents and impacted municipalities occurs early in the approvals process. We look forward to working with the Province and other stakeholders as you develop the mechanisms to do this.

**Public Works**

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tel: 905-791-7800

[peelregion.ca](http://peelregion.ca)

**Conclusion**

The Region of Peel is committed to working with the Ministry and other stakeholders to move forward with the proposed initiatives in the Discussion Paper on Reducing Litter and Waste in Our Communities and make Ontario a leader in waste reduction and diversion.

Sincerely,

A handwritten signature in black ink, appearing to read 'Norman Lee', written in a cursive style.

Norman Lee  
Director  
Waste Management  
Region of Peel

February 13, 2019

Kathryn Lockyer,  
Regional Clerk and Director of Clerk's  
Office of the Regional Clerk  
Regional Municipality of Peel  
10 Peel Centre Drive, Suite A, 5th Floor  
Brampton ON L6T 4B9

RECEIVED  
FEB 19 2019  
Region of Peel  
Clerks Dept.

Dear Ms. Lockyer,

The Unitarian Congregation in Mississauga has adopted an environmental action program at our church and in the surrounding community this year, and one of our initiatives is to advocate that all municipal governments in our area disallow the sale of single-use water bottles in government workplaces and public facilities. The purpose of this "Water Bottle Ban" policy is to significantly reduce the amount of discarded water bottles in our waste management systems, and reduce water bottle litter in our parks, riverbeds, streets and highways.

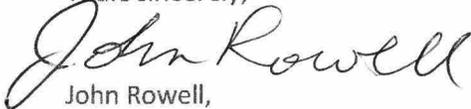
Last Sunday, we encouraged our church members to sign a petition to the Regional of Peel Council to adopt such a water bottle ban, and I attach a petition with 38 signatures - the great majority of our church members who live in Peel. We have another 20 or more members who live in Halton and Toronto, who signed other letters.

We also gathered a similar number of petition signatures for a water bottle ban at the City of Mississauga offices and facilities, and we be presenting the petition at the Environmental Action Committee of Mississauga City Council next week on February 19.

**We would be very pleased to present the attached Region of Peel Water Bottle Ban petition either to the Region of Peel Council or to a committee of council if you feel it has merit.**

If you have any questions or comments, please contact me at home at 905-820-7964, on my cell at 416-834-3905, or at my email address, johnrowell99@gmail.com.

Yours sincerely,



John Rowell,  
President, Board of Directors,  
Unitarian Congregation in Mississauga,  
84 South Service Rd.  
Mississauga ON L5G 2R9

REFERRAL TO Public Works  
RECOMMENDED \_\_\_\_\_  
DIRECTION REQUIRED \_\_\_\_\_  
RECEIPT RECOMMENDED \_\_\_\_\_

### Petition Information

- Each petition must be submitted to the City Clerk no later than 4:30 p.m. on the Monday of the week preceding the Council meeting; otherwise the petition will be included on the next available Council agenda.
- The petition must be typed or legibly handwritten and printed on letter size paper. (No pencil)
- The petition must be appropriate and respectful in tone, and must not contain any improper or offensive language or information.
- Each petitioner must print and sign his or her own name, original signatures only.
- Each petitioner must provide his or her full address, including property's roll number for a noise wall petition.
- The petition must clearly disclose on each page that it will be considered a public document at the City of Mississauga and that the information contained in it may be subject to the scrutiny of the City and other members of the general public.

The following information outlines the purpose of the petition:

Purpose:	To reduce the accumulation of single-use water bottles in the Region of Peel's waste management system, and the water bottle litter in our parks, streets, and rivers.
Asking Council for:	A directive to disallow the sale of single-use water bottles in all Regional Municipality of Peel offices and facilities, and a program to encourage the use of tap water in refillable containers at all events in Region of Peel rental facilities.

### Organizer Information:

Information that uniquely identifies the petition organizer:

Full Name:	John Rowell, President, Board of Directors, Unitarian Congregation in Mississauga
Address:	3636 Sawmill Valley Drive, Mississauga ON L5L 2P6
Phone:	h) 905-820-7964 e) 416-834-3905
Email:	johnrowell99@gmail.com

RECEIVED

FEB 19 2019

Region of Peel  
Clerks Dept.

Petition Organizer Name:  
John Rowell, Unitarian  
Congregation in  
Mississauga

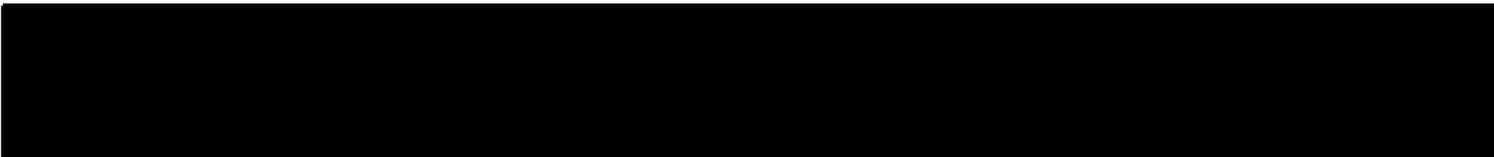
RECEIVED  
FEB 19 2019  
Region of Peel  
Clerks Dept.

To: The Mayor and Members of Council

Subject of Petition:

Ban the sale of Water Bottles at all  
Region of Peel offices and facilities

*We, the undersigned, hereby submit this petition for Council's consideration for the purpose of:  
reducing the amount of single-use water bottles in the region's waste management system, and reducing water bottle litter in our  
parks and rivers, and on the sides of our streets and highways. The Regional Municipality of Peel, as the organization  
responsible for providing an excellent water supply to all its citizens, must encourage all of us to use our safe, clean tap water in  
refillable water containers. The best way to encourage this is in leading by example in all municipal offices and other workplaces,  
and at events renting Regional facilities. The Cities of Oakville, Burlington and Toronto have adopted this "Water Bottle Ban",  
along with 32 other Canadian municipalities so far. Let the Region of Peel be the first regional government to lead the way.*



Printed Name	Printed Address	Ward	Signature
John Rowell	3636 Sawmill Valley Drive. Mississauga	8	<i>John Rowell</i>

