

**Subject:** Fw: EA and Advisory Committee Posting on Neighbourhood Facebook Group  
**Date:** Tuesday, January 28, 2025 at 1:56:34 PM Eastern Standard Time  
**From:** Darren Fry <DFry@walkerind.com>  
**To:** South Landfill Phase 2 <info@southlandfillphase2.com>

ROC - EAAC

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**From:** Darren Fry <[DFry@walkerind.com](mailto:DFry@walkerind.com)>  
**Sent:** January 28, 2025 1:56 PM  
**To:** [REDACTED]  
**Cc:** [REDACTED]  
**Subject:** Re: EA and Advisory Committee Posting on Neighbourhood Facebook Group

Thanks [REDACTED],

I appreciate you keeping the neighbourhood updated through the Facebook page. If you receive any inquiries directly, you can always provide them my contact information as well.

I'll make a note to let you know if/what type of inquiries we receive from the NOTG neighbourhood at our next EA Advisory Committee meeting.

Regards,  
Darren

---

**From:** [REDACTED]  
**Sent:** January 28, 2025 1:46 PM  
**To:** Darren Fry <[DFry@walkerind.com](mailto:DFry@walkerind.com)>  
**Cc:** [REDACTED]  
**Subject:** EA and Advisory Committee Posting on Neighbourhood Facebook Group

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Hi Darren. This afternoon, [REDACTED] and I collaborated to post the following on our private neighbourhood Facebook Group. I also included a photo of the quarry that I took last year:

Walker Industries has commenced a formal Environmental Assessment for their proposed South Landfill Phase 2 property under the Environmental Assessment Act. The proposed landfill is on the east side of Taylor Road south of Mountain Road across from the existing Phase 1 landfill.

This is being undertaken now as the existing landfill has only about 5 years of capacity remaining. The proposed phase 2 site is currently a working limestone quarry.

To aid in this endeavour, a South Landfill Phase 2 Advisory Committee has been established.

The advisory committee met for the first time Monday evening. The committee is made up of 4 resident representatives, staff representatives from local municipal governments, a representative from the Ministry of Environment, Conservation and Parks and staff from Walker Industries.

██████████ and ██████████ from Niagara on the Green as resident representatives have both been appointed by Walker Industries to sit on the advisory committee.

Your interest and input is encouraged. Public Open Houses are planned at key milestones of the EA. Walker has also set up 3 means for the public to get information, provide input and ask questions, in addition to the planned public open houses:

- Project specific website: [southlandfillphase2.com](http://southlandfillphase2.com)
- Email address: [info@southlandfillphase2.com](mailto:info@southlandfillphase2.com)
- Toll-free number: 1-866-699-9425

This advisory committee has had opportunities for public input and will have future dates for citizens to express their opinions.



Sent from my iPad



**Subject:** Fw: Walker South Landfill EAAC Meeting #1 Summary and Supporting Documents  
**Date:** Wednesday, February 12, 2025 at 2:17:03 PM Eastern Standard Time  
**From:** Darren Fry <DFry@walkerind.com>  
**To:** Leticia Koole <LKoole@walkerind.com>, South Landfill Phase 2 <info@southlandfillphase2.com>  
**Attachments:** image001.jpg, EA Advisory Committee Contact List.pdf, AMO-ON-Baseline-2023-v6-AODA.pdf, EAAC - Meeting 1 - Summary.pdf, Walker EA Advisory Committee Charter Jan 2025.docx, Walker South Landfill EA - Key Decision-Making and Consultation Milestones.docx

RoC EAAC

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**From:** [grievea@rogers.com](mailto:grievea@rogers.com) <[grievea@rogers.com](mailto:grievea@rogers.com)>

**Sent:** February 11, 2025 5:01 PM

**To:** [zahrah.khan@thorold.ca](mailto:zahrah.khan@thorold.ca) <[zahrah.khan@thorold.ca](mailto:zahrah.khan@thorold.ca)>; [darrin.wills@notl.com](mailto:darrin.wills@notl.com) <[darrin.wills@notl.com](mailto:darrin.wills@notl.com)>; [totoole@niagarafalls.ca](mailto:totoole@niagarafalls.ca) <[totoole@niagarafalls.ca](mailto:totoole@niagarafalls.ca)>; [shansen@niagarafalls.ca](mailto:shansen@niagarafalls.ca) <[shansen@niagarafalls.ca](mailto:shansen@niagarafalls.ca)>; [Sean.Norman@niagararegion.ca](mailto:Sean.Norman@niagararegion.ca) <[Sean.Norman@niagararegion.ca](mailto:Sean.Norman@niagararegion.ca)>;

[REDACTED]  
[morgan.casciani@thorold.ca](mailto:morgan.casciani@thorold.ca)

<[morgan.casciani@thorold.ca](mailto:morgan.casciani@thorold.ca)>

**Cc:** Diana Aquino <DAquino@walkerind.com>; Rachel Karaim <RKaraim@walkerind.com>; Shawn Jordan <SJordan@walkerind.com>; Darren Fry <DFry@walkerind.com>

**Subject:** Walker South Landfill EAAC Meeting #1 Summary and Supporting Documents

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Hi Everyone,

Thanks for attending the first EAAC Meeting on January 27.

Attached are the meeting summary and supporting documents requested or discussed at the meeting. They include:

- Meeting Summary (draft) – Please review and bring any edits or comments to my attention.
- AMO Ontario Waste & Recycling Report (2023) - this is provided to address Action #2 which was a request for additional information on Ontario's recycling and disposal rates per capita. Page 5, Table 1 of the report provides some simple data. Committee members may be interested in other sections of the report.
- Walker EA Key Decision-Making Milestones & Consultation Timeline - this satisfies Action Item #3.
- Committee Charter - satisfying Action Item #4. Please let me know if you have comments or questions.
- EAAC contact list – please note that this list is to be kept private.

My contact information is listed below and I can provide my CV for anyone who is interested.

Please let me know if you have any questions or concerns in advance of the next meeting on March 3.

We are trying to have the draft meeting agenda and any materials to you at least a week before.

Kind regards,

Anneliese



[grievea@rogers.com](mailto:grievea@rogers.com)

416-666-9689

# Walker South Landfill Phase 2 EA Advisory Committee

Meeting Summary No. 1

## Meeting No. 1 – January 27, 2025

**Date:** January 27, 2025

**Time:** 6:00 pm – 8:00 pm

**Location:** Club Italia, Niagara Falls & Virtual (MS Teams)

---

### Materials

- Agenda
- Presentation
- Terms of Reference
- Committee Charter

### Meeting Objective

The purpose of this meeting was for committee members to get to know each other, develop an understanding about the South Landfill Phase 2 EA & Environmental Assessment (EA) Process, review committee Charter and discuss committee housekeeping items such as preferred meeting dates/times/location.

### Discussion Topics

#### 1. Introductions

Walker welcomed committee members and noted the objectives for the meeting. Committee members introduced themselves, shared their backgrounds and reasons for joining the Committee. It was noted that the Facilitator, Anneliese Grieve, is also an expert in the EA process and is available as a resource for the EA Advisory Committee should they have questions about the process.

#### 2. Presentation: South Landfill Phase 2 EA & EA Process

- Walker provided an overview of the operations/activities at its Niagara Resource Management Campus, the proposed South Landfill Phase 2 EA Project and Ontario's EA Process.
- The approvals process to expand a landfill can take approximately 8 yrs.
- The first step, the EA Process is a 2-Step process; 1) The Terms of Reference, and 2) Environmental Assessment (EA)
- Step 1 is complete. The Terms of Reference was approved on September 10, 2024.
- Step 2 is starting. The key parts of Step 2 (the EA) include; collecting data & developing an understanding of the existing conditions, reviewing alternative method/options on how the project can be developed, selecting a preferred alternative/option and then doing the detailed impact assessment.

- Walker shared the names of the independent technical experts and the studies that they will be doing.
- Walker offered a tour of the Niagara Campus to the committee.

### 3. EA Advisory Committee & Expectations

- The Facilitator reviewed the objectives of the EA Advisory Committee which is to provide feedback on the project and information presented, reviews materials before public events, advise on communicating information, and act as a conduit for information when connecting with others within the community.
- The Committee will be expected to meet approximately 3-4 times in 2025 at key project milestones. The committee will meet prior to forthcoming public consultation events for Alternative Methods and Preferred Alternatives.
- Meeting materials will be provided a minimum of one (1) week prior to meetings to allow time for Committee members to review. If the meeting materials are large, Walker will provide them earlier.
- The Facilitator is an independent, impartial, third-party. The Facilitator will manage the meetings, ensure all voices are heard, and that discussions remain 'in scope'. A meeting summary will be provided by the Facilitator after each meeting. Walker will make the meeting summaries publicly available on the project website.

### 4. Committee Charter

- The Committee was provided with an overview of the draft Committee Charter. The Committee Charter identifies how the Committee will operate. The Committee was asked to review the draft Charter and to share any feedback with the Facilitator. The Charter will be finalized at the next meeting.

## Committee Discussion, Feedback & Action Items

- A Committee member inquired about recycling efforts (i.e. as they increase) and if it had slowed the rate of filling the landfill. Walker noted that recent advancements have been made in recycling rates but that population growth and the type of waste (e.g. single-use) have offset these advancements to some degree.

***Action - Walker committed to providing additional information on waste disposal and waste diversion per capita.***

- A question was asked about the project timeline and key milestones and if additional information could be provided. Walker noted it is difficult to establish fixed milestone dates but that a timeline can be provided.

***Action - Walker committed to providing additional detail on anticipated dates/periods for key project milestones.***

- A question was asked if a species inventory be done within the ecology study? Walker confirmed the species inventory will be completed. An initial round has already been completed and a confirmatory inventory will be completed again this year.

*Action - Walker committed to ensuring this information is shared with the Committee.*

- This issue of confidentiality was discussed and clarified. It was noted that EA’s are subject to the Freedom of Information Act and information is made available to the public. However, sensitive issues (e.g. the exact location of a species at risk) are protected and personal information/privacy will be protected.
- A question was asked if the Community Liaison Committee referred to in the Terms of Reference was this committee. Walker confirmed this and stated the name was changed to EA Advisory Committee to help align the name with the objectives and intentions of the Committee (e.g. to provide advice about the project from a community member’s perspective).
- The Committee inquired if there were other public forums they should be attending. Walker noted that Committee members could attend upcoming public consultation events as a Committee member. It was agreed to discuss this further at the next committee meeting.
- An inquiry was made about making meetings hybrid. Walker stated the preference is for meetings to be in-person; however, a virtual option will be provided to accommodate travel safety or schedule requests.

## Closing Remarks

It was agreed the next Committee meeting will take place on Monday, March 3<sup>rd</sup>. The main purpose of this meeting will be to discuss Alternative Methods (different facility design options).

## Summary of Action Items from EAAC Meeting #1

TASK	LEAD	STATUS
1	Facilitator to provide contact information to Committee members.	AG New
2	Walker to provide additional information on waste disposal and waste diversion per capita.	DF New
3	Walker committed to providing additional detail on anticipated dates/periods for key project milestones.	DF New
4	Walker to provide a copy of the Committee Charter.	DF New
5	Walker to provide an EA Advisory Committee Contact sheet.	DF New
6	Set a series of meeting dates at the next Committee meeting.	AG New

### Preferences for Committee Members

- Meetings on Monday night @ 5:30 pm
- Electronic copy of materials one week prior (as attachments, not links). Additional time will be provided if document set is large.
  - A working draft type file to be able to add comments right in the documents.
- One committee member would like a hard copy of materials.

# Charter

## EA Advisory Committee

### South Landfill Phase 2 Environmental Assessment

#### Mission Statement

The Environmental Assessment (EA) Advisory Committee will provide a focused forum for community advice and input to Walker Environmental Group (Walker) during the EA process for the proposed South Landfill Phase 2 at Walker's Resource Management Campus in Niagara Falls.

#### Purpose and Mandate

The purpose of the EA Advisory Committee will be to review and provide input to the EA for the South Landfill Phase 2. This input will be part of the public consultation activities required under Ontario's *Environmental Assessment Act*. As an advisory body, the EA Advisory Committee will not make decisions on the EA but instead provide advice and input that Walker will be required to consider as part of consultation and decision-making process. Should there be dissenting opinions within the committee all opinions will be noted equally.

The EA Advisory Committee will:

- Facilitate an understanding of the site's and neighbouring communities' characteristics
- Enhance alignment of the project with community interests, goals, aspirations and social and economic development objectives by providing insight into these areas.
- Help identify potential impacts, issues, concerns and opportunities that are important to the local community.
- Offer suggestions on impact mitigation or enhancement opportunities.
- Offer suggestions on public consultation efforts necessary to enhance community participation.

#### Membership

By participating in the EA Advisory Committee, members agree to abide by this Charter.

Walker acknowledges that membership in the EA Advisory Committee does NOT constitute support for the South Landfill Phase 2 project.

Members participate in the EA Advisory Committee as individuals. It is understood that the views and comments expressed by Members do not necessarily represent the views of the community, the neighbourhood, or specific community groups.

The EA Advisory Committee will consist of up to 14 local stakeholders (e.g., neighbours and interested members of the public), together with representatives of Walker and local municipal governments, and MECP representative's (EA Special Projects Officer or Local District Officer), as well as a Facilitator. EA Advisory Committee members will be selected by Walker.

Members are expected to:

- participate voluntarily
- strive to attend all meetings

# Charter

## EA Advisory Committee

### South Landfill Phase 2 Environmental Assessment

- declare any situation that is, or has the potential to be, a conflict of interest before agenda items are presented
- carry out their functions with integrity
- act responsibly and fairly with the care, diligence and prudence of a reasonable individual
- respect all members time, viewpoints and follow rules of decorum

EA Advisory Committee Members will participate voluntarily and will be reimbursed only for reasonable out of pocket expenses, as agreed to in advance by Walker.

A staff representative from each local area municipal government (Niagara Falls, Niagara Region, Niagara-on-the-Lake and Thorold) and the Ministry of Environment, Conservation and Parks, will have a standing invitation to attend and participate in the EA Advisory Committee meetings. Attendance of these representatives will be at their discretion. It is noted that Walker will be directly engaging and consulting with local municipalities and agencies separately throughout the EA process.

### Role of the Facilitator

The Facilitator will preside over meetings and coordinate activities of the EA Advisory Committee. The Facilitator will:

- Be responsible for managing the meetings including timing of agenda items and adherence to this Charter
- Be responsible for ensuring that discussions are focused to matters considered to be ‘in scope’ with this Charter
- Moderate the discussion to ensure a balanced and inclusive exchange of ideas
- Encourage advice and feedback from all committee members during meetings, with no tolerance for members who make it difficult for others to have their opinions heard
- Determine and enforce options for managing disruptions to meeting decorum
- Promote consensus-based decision making when the opportunity arises
- Issue meeting summaries that capture the essence of the meeting, important information and key outcomes

The Facilitator will be an independent third-party consultant to the EA Advisory Committee and will have experience and knowledge with Ontario’s Environmental Assessment process and experience facilitating committees. The Facilitator, with prior approval by Walker, will provide EA process guidance to EA Advisory Committee members as required.

The Facilitator will be appointed by Walker.

### EA Advisory Committee Meetings

The agenda for each meeting will be set by Walker in consideration of the EA process and through discussion with the EA Advisory Committee. The agenda and meeting materials will be distributed to Members at least seven (7) weekdays in advance of a scheduled meeting. EA Advisory Committee meetings will generally include review of agendas, presentations by Walker and its consultants, opportunities to discuss materials and presentation content, review of any action items and review of meeting summaries that will be made available to the public.

# Charter

## EA Advisory Committee

### South Landfill Phase 2 Environmental Assessment

A quorum of committee members is not necessary for EA Advisory Committee meetings to proceed.

EA Advisory Committee meetings are scheduled by Walker with consideration to Member schedules. EA Advisory Committee meetings will occur at key decision-making milestones which are outlined in Section 9.2.4 of the Approved Terms of Reference. Walker will consider additional opportunities for meetings through discussion with the EA Advisory Committee. The EA Advisory Committee will meet throughout the EA process until the formal conclusion of the process.

Meetings will be scheduled for up to two hours. A meal and/or refreshments will be provided by Walker for Members ½ hour prior to each meeting to accommodate everyone's busy schedules and provide an opportunity for informal discussion.

### **Meeting Summaries, Documentation and Administration**

Meeting summaries will be prepared after each meeting by a notetaker and the Facilitator and will include an overview of meeting discussions and outcomes. Draft meeting summaries will be provided to the EA Advisory Committee for review before being disclosed to the public.

Meetings summaries will be made accessible to the public through the project website at [southlandfillphase2.com](http://southlandfillphase2.com).

### **Alternates and Resignations**

In the event an EA Advisory Committee member is not able to attend a meeting, they may designate an alternate who can attend in their absence. It will be the responsibility of the respective EA Advisory Committee members to provide the alternate with a suitable briefing in advance of the meeting so that the alternate is sufficiently prepared at the meeting.

Members who wish to have an alternate will submit the name of their alternate to Walker. Alternates are specific to one EA Advisory Committee member and cannot be the alternate for multiple members.

In the event that an EA Advisory Committee member wishes to resign, they must provide notice in writing to Walker. If a member resigns, their seat is vacant, and Walker may seek applications to fill the vacant seat and will consider recommendations from the EA Advisory Committee regarding membership.

Walker reserves the right to amend this Charter from time to time.

# Walker South Landfill Phase 2 Environmental Assessment

## Key Decision-Making Milestones & Community Consultation

### **March 18, 2025 (Confirmed) – Alternative Methods: Public Information Session & Consultation**

- Confirm the Final EA Study Area
- Present Study Area existing conditions
- Review the developed Alternative Methods
- Confirm the evaluation criteria and indicators to be applied to the Alternative Methods, and the evaluation methodology to be used Presentation of Alternative Methods

### **May, 2025 (Estimate) – Preferred Alternative: Public Information Session & Consultation**

- Review the comparative evaluation process and confirm the recommended alternative
- Confirm the methodology for the detailed impact assessment of the preferred alternative

### **Early 2026 (Estimate) - Review of the Draft EA Report: Public Information Session & Consultation**

- Review the potential environmental effects, recommended impact management measures, resulting net environmental effects, proposed monitoring requirements, and proposed approvals/permits required for implementing the Preferred Method.
- Review the draft EA Report prior to its finalization and formal submission to the Minister for approval.

### **Mid 2026 (Estimate) - Notice of Submission of the EA:**

- Initiates the formal review of the EA Report

2023

# Ontario Baseline Waste & Recycling Report



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# 1.0 Introduction

Municipal governments play a pivotal role in Ontario and across the country in ensuring residential waste is properly managed to protect the health and safety of our communities and our environment. Significant progress has been made by municipal governments in Ontario to operate integrated waste management systems that are cost effective, efficient, accessible, and ultimately result in improved environmental outcomes.

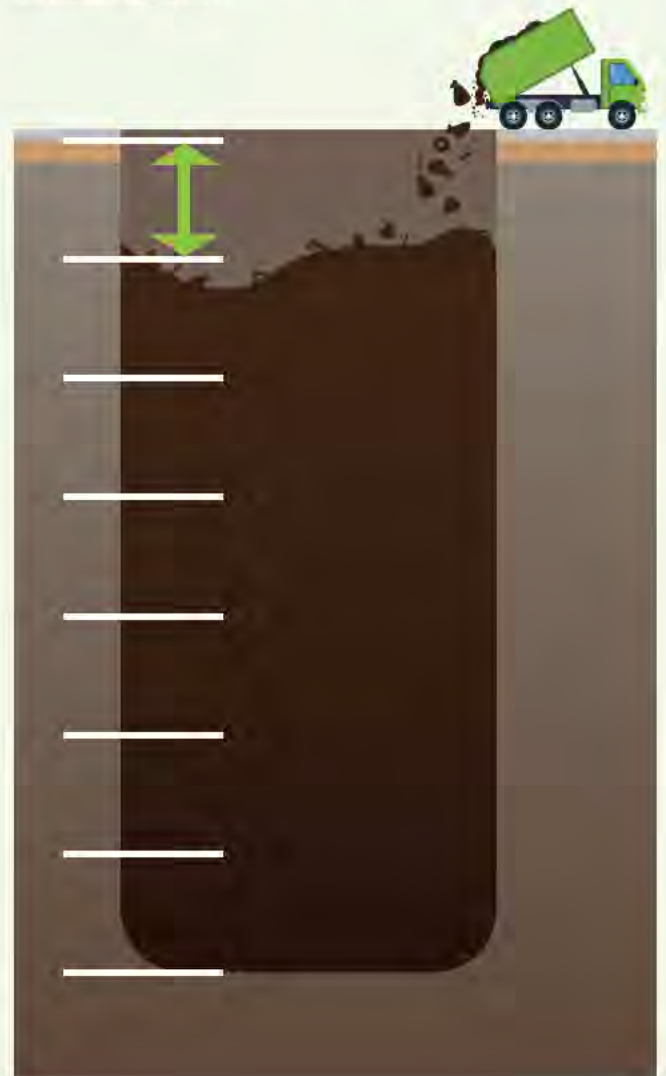
However, municipal governments only have a limited sphere of influence on waste generation and management. Costs and generation rates are steadily increasing, and more waste is ending up in our environment, including waterways, parks, and communities. There is a need to move to a more circular economy, whereby resources are recirculated within the economy to conserve resources, reduce greenhouse gas (GHG) emissions, and generate local jobs and investment. For the transition to occur, further provincial, and federal policies are required.

Over the past few decades, Ontario has stumbled from one waste crisis to another, from the failed Interim Waste Authority, which recommended the siting of new disposal sites, to the Hagersville tire fire that burned for 17 days, and international disputes over waste being exported to Michigan for disposal.

Pressure on limited waste disposal capacity will be exacerbated by the provincial government's goal of building 1.5 million new homes by 2031. Municipal governments support the goal of building new and affordable homes but ensuring sufficient waste disposal resources to accommodate this growth will be crucial. Some of the pressure on finding new disposal capacity can be alleviated by increasing waste reduction and diversion efforts and keeping resources in the economy

## Did you know?

Waste to Resource Ontario estimates that given Ontario's current landfill capacity and current waste disposal rates it only has 10 years of remaining disposal capacity.



Successive provincial governments have pledged to address Ontario's growing waste issue, culminating in the *Waste-Free Ontario Act* passed in 2016 and the accompanying Waste-Free Ontario Strategy (the strategy) and the Made-In-Ontario Environment Plan. The Act and strategy were heralded by many as providing a pathway to finally address Ontario's waste crisis. In the past six years, a number of important actions from the strategy have been implemented that municipal governments supported:

- ✓ Establish the Resource Productivity and Recovery Authority to provide oversight and enforcement over waste diversion policies and provided tools such as Administrative Monetary Penalties
- ✓ Establish outcomes-based producer responsibility regulation for packaging and paper products, tires, hazardous special products, electrical and electronic equipment, batteries, and lighting
- ✓ Establish requirements to ensure better tracking and management of waste (e.g., Producer Responsibility Registry, Excess Soil Registry and the Hazardous Waste Program Digital Reporting Service)
- ✓ Initiating a process to modernize approvals and expedite ability to site and construct waste management infrastructure.

However, there remains a number of outstanding actions that the province has yet to undertake:

- ✗ Revise the recycling requirements for industrial, commercial, and institutional (ICI) entities to increase waste diversion
- ✗ Designate new materials in extended producer responsibility policies (EPR) in 2020 and 2023 (e.g., additional electronic and electrical equipment, mattresses, carpets, furniture)
- ✗ Implement disposal bans to direct materials away from disposal (e.g., food waste, materials under existing waste diversion programs)
- ✗ Implement an action plan to reduce the volume of food and organic wastes going to landfill
- ✗ Issue policy statements to provide clear direction on the provincial interest to support waste reduction and diversion efforts
- ✗ Implement coordinated green procurement practices to build market demand for recovered materials



The purpose of this report is to provide a better understanding of Ontario's efforts to tackle non-hazardous solid waste (past, present, and future) to assess its performance and identify actions that may be necessary to meet its goals. This includes providing an overview on:

- how Ontario currently manages resources and describing how this has changed over the past few decades;
- progress towards the performance goals established in the strategy (i.e., achieve 30% waste diversion rate by 2020; 50% by 2030; an 80% by 2050 as well as reducing total waste disposed per capita each year); and
- opportunities to improve outcomes.

Since 2017, when the province released its strategy, there has been an increase in the amount of materials diverted. While this is a positive trend, the amount of overall waste generated has also increased as has the amount of waste disposed.



**Table 1: Waste data trends 2017- 2022 based on low generation scenario<sup>1</sup>**

Indicator	2017	2022	Environmental Trend	
<b>Total waste generation (tonnes)</b>	11,884,804	12,686,610	↑	Increased by 7% or 801,806 tonnes
<b>Per capita waste generation (kg/capita)</b>	897.28	925.49	↑	Increased by 3% or 28.21 kg/capita
<b>Total waste disposed (tonnes)</b>	8,328,833	8,819,224	↑	Increased by 6% or 490,391 tonnes
<b>Per capita waste disposed (kg/capita)</b>	628.81	643.36	↑	Increased by 2% or 14.55 kg/capita
<b>Total waste diverted<sup>2</sup> (tonnes)</b>	3,555,972	3,867,386	↑	Increased by 9% or 311,414 tonnes
<b>Per capita waste diverted (kg/capita)</b>	268.47	282.13	↑	Increased by 5% or 13.66 kg/capita

<sup>1</sup> Based on RPRA Residential Datacall disposed and diverted and Statistics Canada Waste Management Industry Survey disposed and diverted non-residential tonnes. Note data was modelled for 2022 based on a 10-year trend. It is considered a low generation calculation as data surveyed by Waste to Resource Ontario indicate disposal rates that are 20% - 30% higher,

<sup>2</sup> Diverted refers to waste materials diverted from landfill, incineration, and energy from waste.

## 1.1 Methodology

The data included in this report is based on multiple sources to establish a comprehensive review of waste management in Ontario. Data was gathered from the following sources to provide a more complete picture:

- the Resource Productivity and Recovery Authority's (RPRA) Municipal Datacall
- Annual Reports from Producer Responsibility Organizations
- RPRA Resource Recovery Reports
- Statistics Canada Waste Management Industry Survey
- Reports by Waste to Resource Ontario
- Continuous Improvement Fund / Stewardship Ontario Waste Composition Audits

Although generated for different reasons, each of these sources is updated regularly and have quality control elements in place. **Appendix A** provides a comparison of each of the data sources. While every effort was taken to ensure the integrity of the data used, there are differences in methodologies, material classifications, and data collection and verification methodologies with potentially varying levels of rigour.



There is no one data source in Ontario that allows for a proper assessment of the current context. As a result, the report has used these various sources. In some cases, it was necessary for modelling to be done:

- Statistics Canada Waste Management Industry Survey data is only available biennially. For the odd years data was modelled based on the proceeding and preceding years.
- 2022 data for generation, disposal, and diversion are modelled based on a 10-year trend.
- A high and low generation rate were developed given the disparity between reporting on the amount of waste disposed per year between survey work completed by Waste to Resource Ontario on Ontario landfills and Statistics Canada Waste Management Industry Survey.
  - The low generation rate is based on RPRA Residential Datacall disposed and diverted, and Statistics Canada Waste Management Industry Survey disposed and diverted ICI tonnes.
  - The high generation is based on RPRA Residential Datacall diverted, Statistics Canada Waste Management Industry Survey ICI diverted tonnes and Waste to Resource Ontario landfilled tonnes.
- Tonnes landfilled are based on Waste to Resource Ontario survey data were modelled for proceeding and preceding years based on the Statistics Canada Waste Management Industry Survey disposal trends.

The discrepancies in data particularly related to disposal underlines the need for standardized data capture in Ontario. The RPRA Residential Datacall will also no longer be available with the transition of the blue box, which will make it increasingly difficult to accurately measure progress.

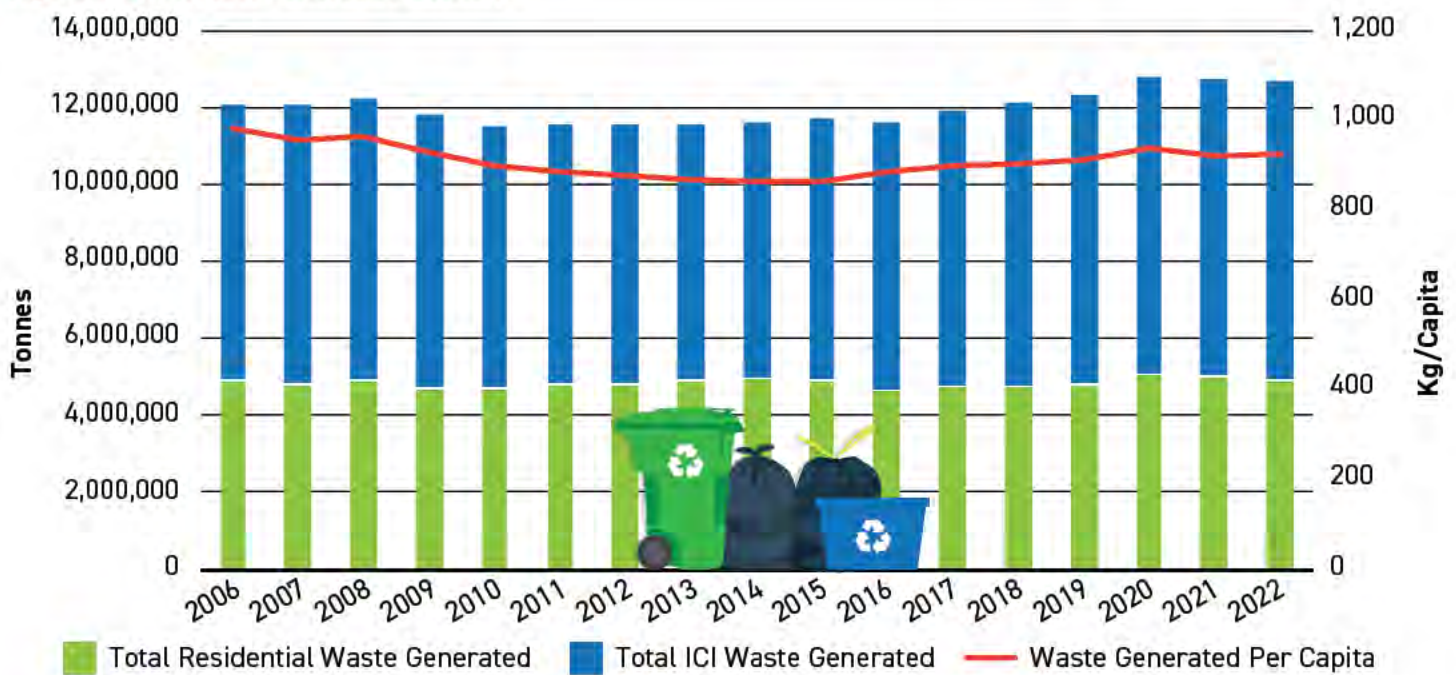
# 2.0 Sector Overview

## 2.1 Total Waste Generation

In 2022, Ontario generated between 12.7 million tonnes<sup>3</sup> and 15.5 million tonnes<sup>4</sup> of non-hazardous waste (equivalent to between 0.925 and 1.127 tonnes per person). The amount of waste generated has been gradually increasing over the last two decades with about 30-40% generated from residential sources and 60-70% generated from industrial, commercial and institutional (ICI) sources (e.g., schools, restaurants, office buildings, retail stores, factories, hotels).

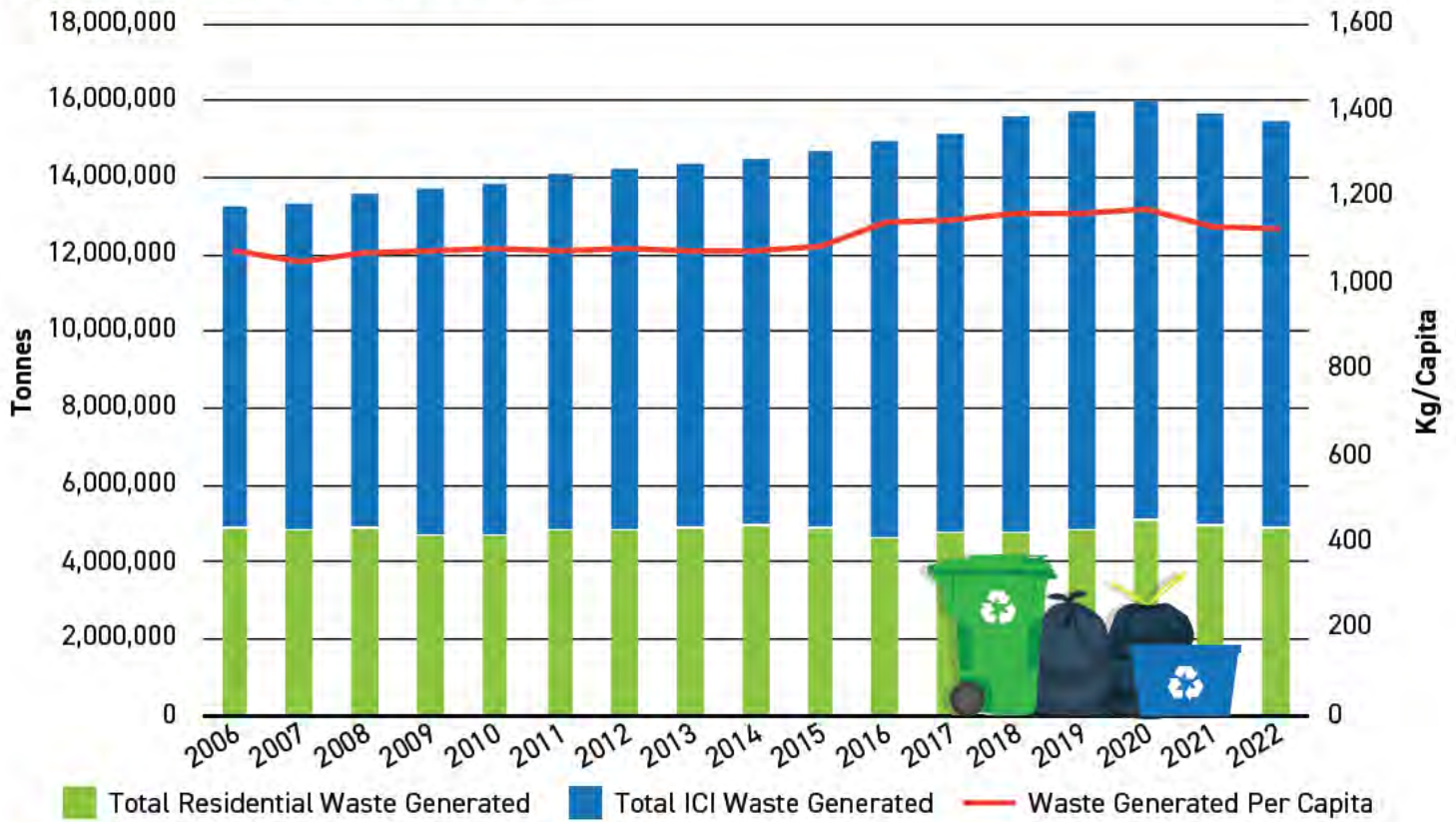
As there is significant disparity between reporting on the amount of waste disposed per year between survey work completed by Waste to Resource Ontario and Statistics Canada through the Waste Management Industry Survey, two generation rates have been calculated. Figure 1 illustrates a low waste generation trend and Figure 2 illustrates a higher waste generation trend based on the higher disposal rates reported by Waste to Resource Ontario.

Figure 1: Low Waste Generation Scenario



<sup>3</sup> Based on RPRA Residential Datacall disposed and diverted and Statistics Canada Waste Management Industry Survey disposed and diverted non-residential tonnes.  
<sup>4</sup> Based on RPRA Residential Datacall diverted, Statistics Canada Waste Management Industry Survey non-residential diverted tonnes, and Waste to Resource Ontario landfilled tonnes

Figure 2: High Waste Generation Scenario



The Ontario government typically uses the low generation calculation in their reporting but this may significantly underestimate the amount of waste being generated and disposed of.

## 2.2 Performance

As part of Ontario's strategy, the province has established two sets of targets:

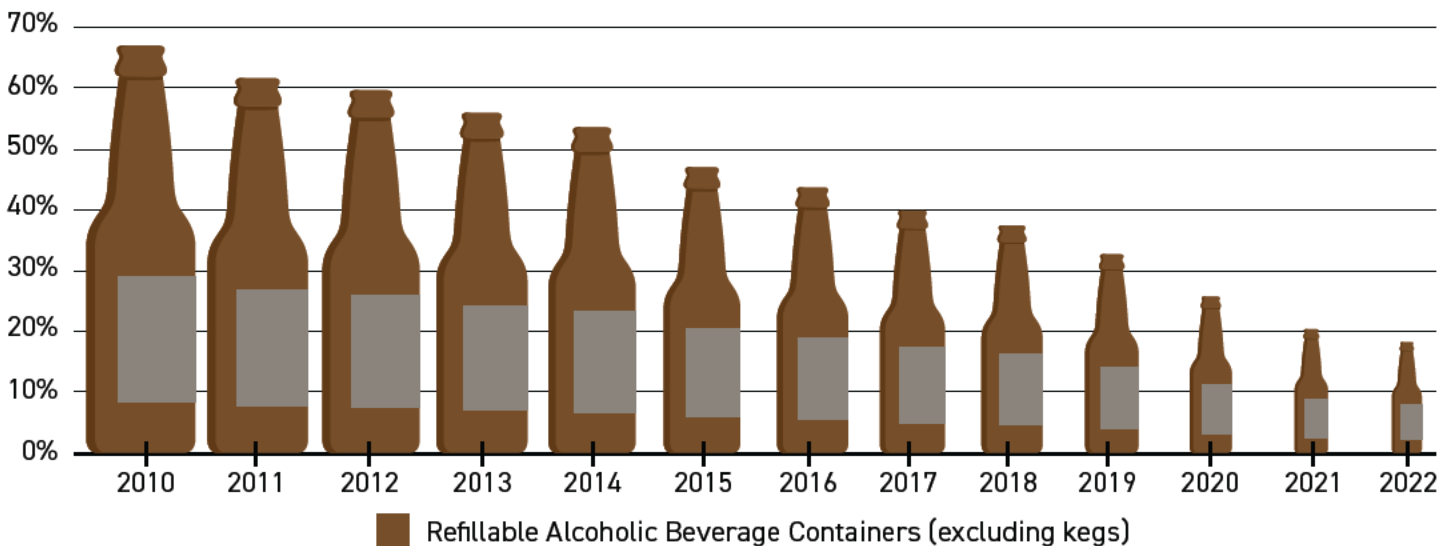
- Waste generation - progressive reductions in the amount of non-hazardous waste disposed per capita per year; and
- Waste diversion targets - increase the amount of waste diverted
  - 30% of total waste generated diverted by 2020;
  - 50% of total waste generated diverted by 2030; and
  - 80% of total waste generated diverted by 2050.

This section provides an overview of provincial efforts that contribute to both sets of targets, offer insights on where gains have been made and suggests areas where further actions are required.

### 2.2.1 Reduction and Reuse

While more attention has focused on improving reuse and preventing waste in the last few years, data on the state of reuse and prevention have not been well tracked. Reuse systems are visible across the economy, including from business-to-business (B2B) materials often reused (e.g., pallets, beverage and bakery trays, milk crates) and business-to-consumer (B2C) materials (e.g., BBQ tanks, carbon dioxide cylinders, shopping bags, beverage cups, beer bottles and growlers). There are also new types of reuse systems emerging in the sharing economy in form of new types of libraries (e.g., tool libraries), rental platforms (e.g., car and scooter rentals), and community 'Buy Nothing' social media sites. While momentum is growing to pilot and expand reuse/refill models; these systems still are in the minority. In some cases, reuse markets are shrinking. For example, Figure 3 shows since 2010 the percentage of refillable alcoholic beverage containers sold (e.g., beer bottles) in Ontario has steadily decreased from almost 70% in 2010 to under 20% in 2022.

**Figure 3: Share of refillable alcoholic beverage containers (excluding kegs) in Ontario**



### 2.2.2 Waste Diversion from Landfill

Ontario currently diverts almost 4 million tonnes of materials from disposal annually, which is a result of a steady increase in the total amount of materials recycled over the last two decades (Figure 4). This growth has mainly been driven by the municipal government investments in organic waste diversion programs, with a 124% increase in the amount of residential organic waste composted over this period. The amount of other residential materials recycled by weight has decreased by 19%. This decrease can partially be explained by the changes in the composition of the packaging materials residents consume with a shift from heavier materials such as paper, glass and metal to lightweight plastics that can be more difficult to recycle.<sup>5</sup> There has also been a 20% growth in ICI waste diverted. While the available data for ICI diversion is less detailed, it does appear based on 2018 and 2020 data that increases in organic waste collection are also helping to drive diversion increases in this sector.

**Figure 4: Materials diverted in Ontario between 2002-2022<sup>6</sup>**

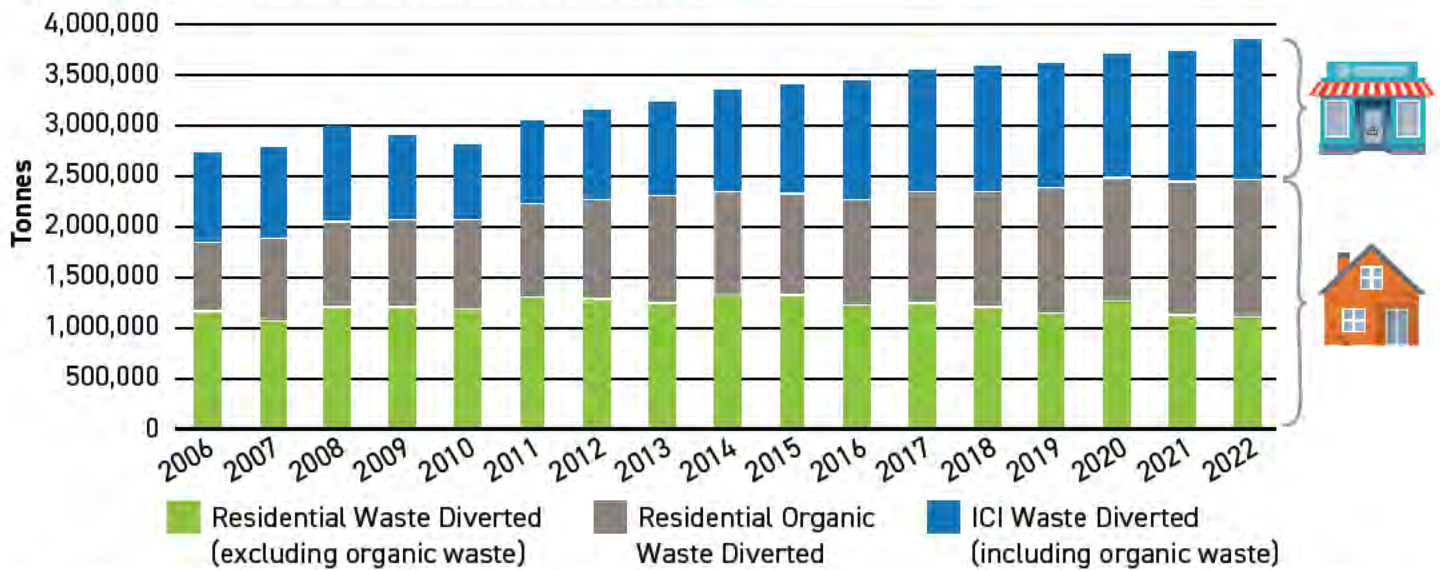
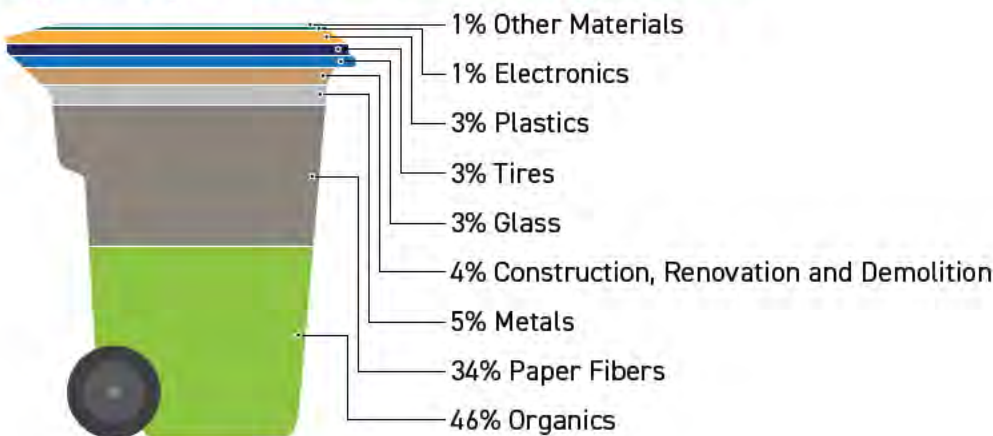


Figure 5 provides an overview of the proportion of materials diverted by type in Ontario in 2020. Organic waste and paper fibres are the most prominently diverted materials by weight.

**Figure 5: Proportion of Materials diverted by type in Ontario<sup>7</sup>**



<sup>5</sup> Resource Recycling, The Evolving Ton Explained, May 2015. Available at <https://www.cmconsultinginc.com/wp-content/uploads/2015/04/EvolvingTonMayRRFinal.pdf>

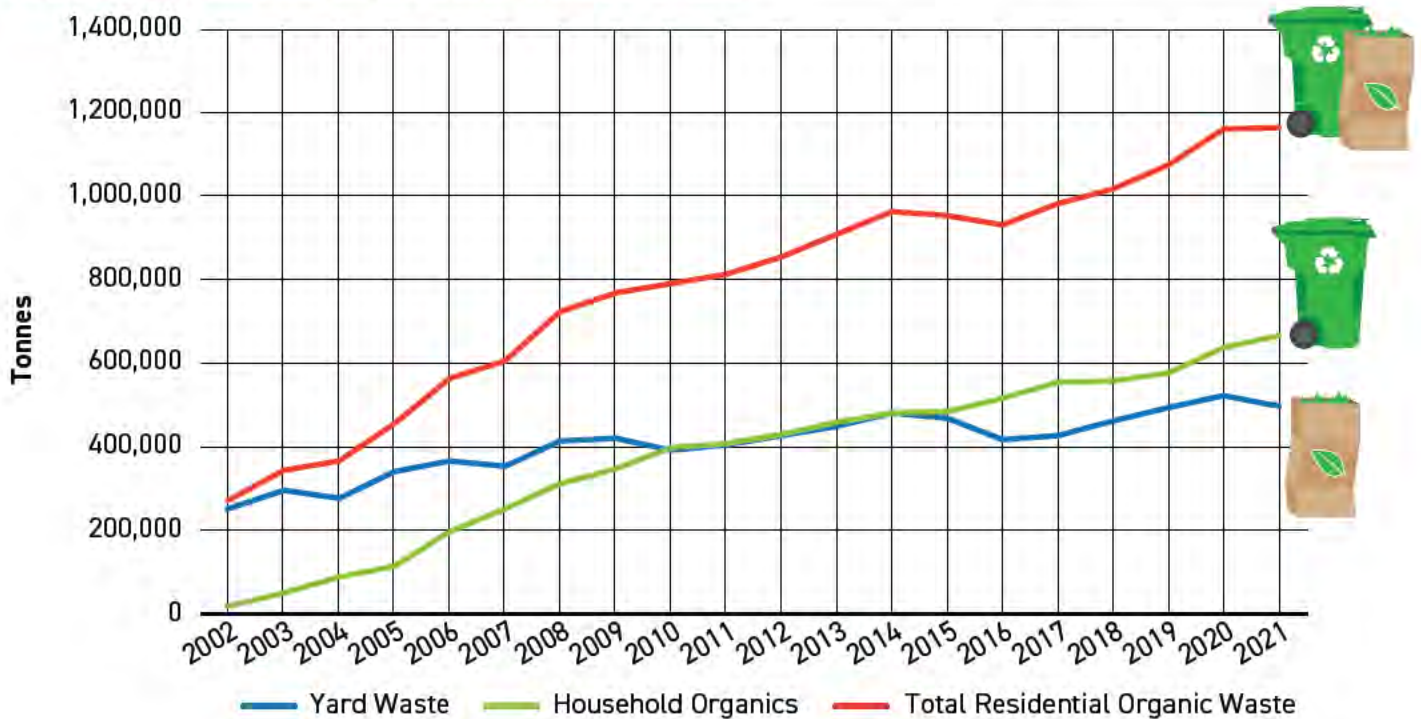
<sup>6</sup> Based on RPRA Residential Datacall diverted and Statistics Canada Waste Management Industry Survey non-residential diverted tonnes.

<sup>7</sup> Based on 2020 Statistics Canada Waste Management Industry Data with organic waste adjusted based on The Environmental Research & Education Foundation of Canada (2021). State of the Practice of Organic Waste Management and Collection in Canada. Retrieved from [www.eref-canada.ca](http://www.eref-canada.ca).

### 2.2.3 Organic Diversion

Municipal governments have championed efforts to reduce and divert organic material (e.g., food waste and leaf and yard waste) from disposal through operation of residential organic waste collection programs for nearly two decades. These programs have tripled the amount of residential organic waste diverted from under 300,000 tonnes in 2002 to over 1.2 million tonnes in 2021 (Figure 6).<sup>8</sup> This increase in the capture rate is primarily due to implementation of green bin programs that collect household organics (e.g., food waste). Organic waste is now the largest stream of waste by weight diverted by municipal governments based on data reported through RPRA's Residential Datacall.

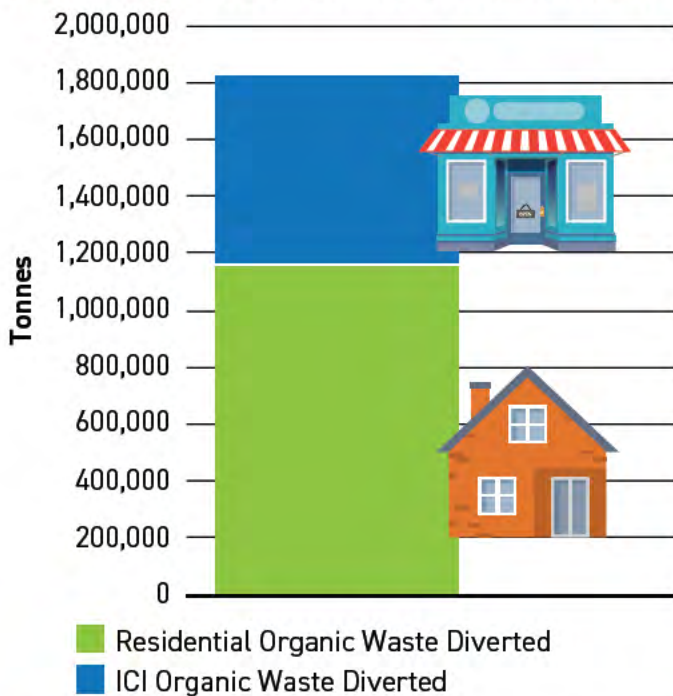
**Figure 6: Total residential organic waste diverted in Ontario**



<sup>8</sup> Based on the RPRA Residential Datacall.

Ontario has established over 100 different facilities (e.g., compost and anaerobic digestion) that help to reduce the demand for landfill capacity, reduce greenhouse gas (GHG) emissions and transform organic waste into nutrient amendments. Organic waste being diverted from ICI sources significantly trails behind the performance of municipal government programs. Over 65% of all the organic waste processed in Ontario is diverted by municipal governments, despite the ICI sector generating a larger proportion of the overall waste disposed (Figure 7).

**Figure 7: Organic waste diverted by sector in Ontario<sup>9</sup>**



Despite increases in the amount of organic waste being diverted, it is estimated that over 2.3 million tonnes of organic waste generated in Ontario is still being sent to landfill and most of that is generated by ICI sources.<sup>10</sup> While the Food and Organic Waste Policy Statement includes targets for certain ICI entities to achieve by 2025, little action has been taken to increase diversion of organic waste from this sector. The provincial government has yet to provide any outreach or guidance to promote compliance with these targets.



<sup>9</sup> Based on RPRA Residential Datacall and Environmental Research and Education Foundation of Canada, State of the Practice of Organic Waste Management and Collection in Canada, July 2021.

<sup>10</sup> Ontario government. Food and Organic Waste Policy Statement, 2018. Available at <https://www.ontario.ca/page/food-and-organic-waste-framework>.

## Did you know?

In 2021, AMO's Food and Organic Waste Discussion Paper recommended the following actions related to Ontario's organic waste:



### 1. Develop and implement a coordinated provincial plan to address food loss and waste, including:

- a. A public awareness/education campaign to drive sustained consumer behaviour change in all sectors to avoid and reduce food loss and waste.
- b. Working with retailers to develop and promote “smart shopping” offerings and merchandising in grocery/food stores to support consumer behaviour change (e.g., smaller size offerings, information on best before dates, uses for left over foods).
- c. Promoting and participating in reallocation of surplus food by supporting food rescue organizations through food donation provisions in government catering contracts including food waste reduction measures.

### 2. Implement an organic waste disposal ban, including:

- a. Establishing progressive source separation requirements for industrial, commercial, and institutional entities starting with the largest organizations.
- b. Establishing mechanisms to help maintain and expand current infrastructure, develop new infrastructure, and incent better environmental and economic outcomes.
- c. Ensuring enough time is provided to allow for proper planning and consultation.
- d. Phase-in of smaller generators and allow exemptions for unique environments.
- e. Establishing reporting requirements for all organic waste processing facilities.
- f. Ensuring proper oversight and enforcement mechanisms.

### 3. Establish an escalating landfill levy for all waste disposed in Ontario or being exported for disposal outside Ontario to address climate change, GHG reduction and to create incentives for reduction or diversion activities.

- a. Funds raised from this levy should be allocated to municipal governments through a joint fund established to reduce waste, increase waste diversion, offset costs related to municipal operations (e.g., diversion at municipally operated buildings, administrative costs associated with the ban and levy), and promote other activities that reduce GHG emissions.

### 4. Address issues related to compostable products and packaging by:

- a. Establish reporting, collection and management requirements for compostable materials in the Blue Box Regulation.
- b. Enforce labelling requirements to ensure only products and packaging that can be proven to compost at scale and in practice without contaminating end products are labelled as compostable.
- c. Researching the efficacy of compostable materials in existing organics processing facilities (e.g., compost and anaerobic digestion) and make recommendations on how producers of these materials should best manage them at end-of-life.

### 2.2.4 Disposal

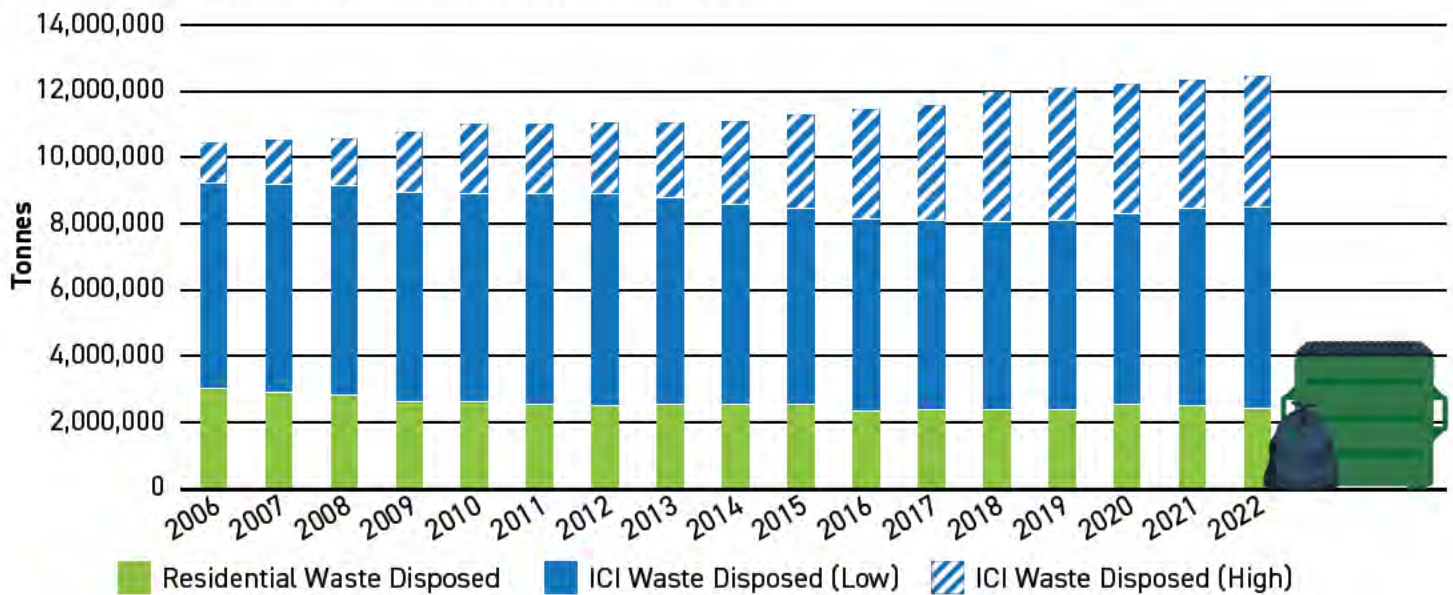
Ontario disposes between 9 to 12 million tonnes of waste annually with the majority being generated from ICI entities (Figure 8). The range in the estimated tonnes disposed is a result of the significant discrepancies between the survey work undertaken by Statistics Canada and Waste to Resource Ontario. The provincial government currently does not track how much waste is disposed via waste exports, so verification is difficult.

#### Did you know?

Since 2010, Ontario has shipped over 40 million tonnes of garbage into the U.S., which is equivalent to over 2 million long-haul truck return trips.



Figure 8: Waste Disposed between 2006-2022 in Ontario<sup>11</sup>



Between 2006 and 2022, approximately one-third of Ontario's waste disposal needs were met by landfills in Michigan, New York and Ohio (Figure 9). The remaining non-hazardous waste was disposed of in Ontario landfills. While Ontario waste sent to energy-from-waste facilities is not well tracked, it is estimated that only a small portion of residential waste is treated at these facilities (e.g., Emerald EFW in Brampton, which has a capacity of 90-110 tonnes per day; Durham-York Energy Centre in Clarington, which has a capacity of 140,000 tonnes per year; and Covanta Niagara in New York State, which is likely only taking a small proportion of Ontario generated waste).

#### Did you know?

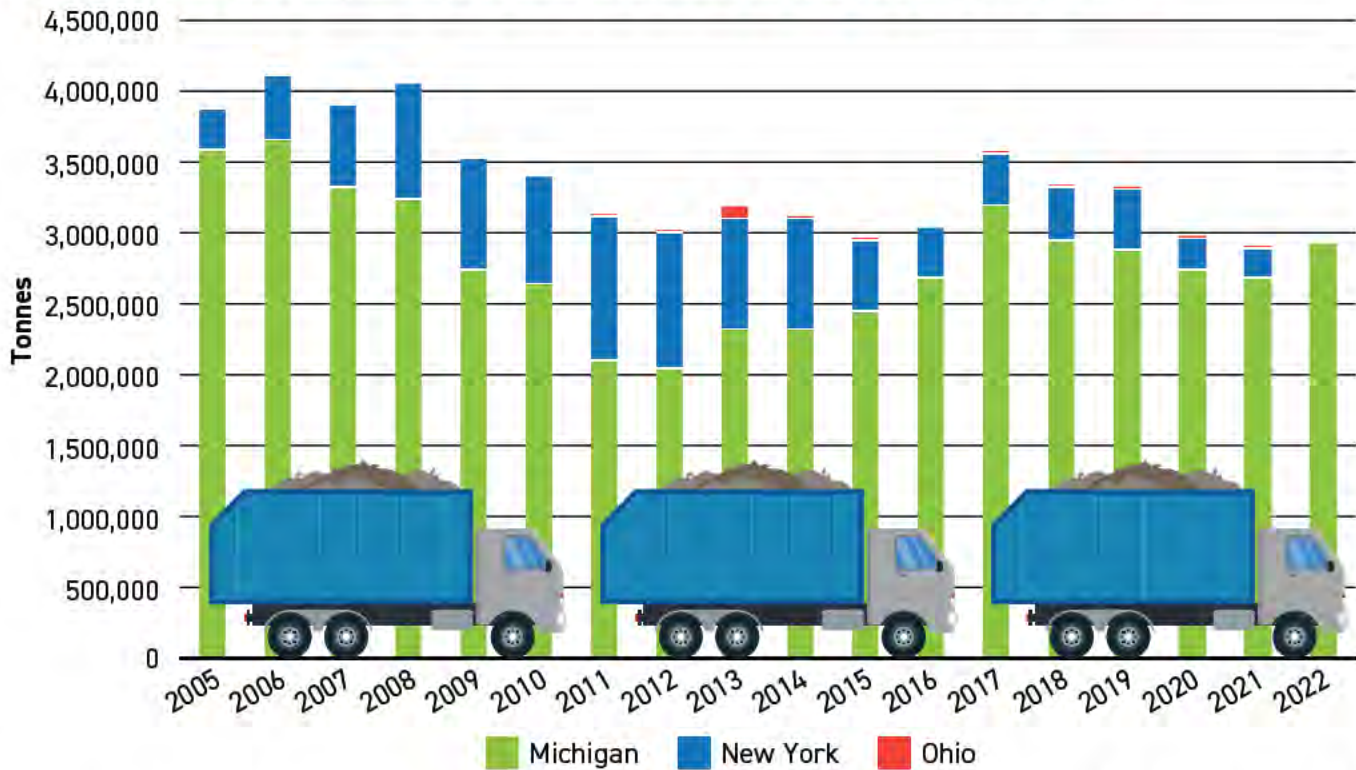
In 2021, Ontario's Auditor General stated:

***"The lack of government action on reducing business and industrial waste means that Ontario will be faced with questions about where to put all this waste and how to pay for it in the very near future."***

The accompanying report notes that the Ministry of the Environment, Conservation and Parks estimates that all existing landfill capacity in the province will be exhausted in the next 11 to 14 years.

<sup>11</sup> Low disposal rate is based on RPRA Residential Datacall disposed, and Statistics Canada Waste Management Industry Survey disposed. The high rate is based Waste to Resource Ontario disposed tonnes.

Figure 9: Ontario waste disposal exports (data not available for New York and Ohio for 2022)



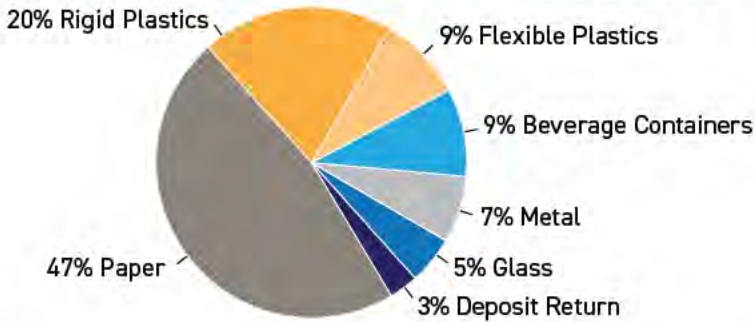
According to Waste to Resource Ontario, the province's landfill capacity was estimated at 144.5 million tonnes at the start of 2020 and is expected to be depleted in 2034. While several landfill facilities and two energy-from-waste facilities are currently seeking approval and/or amendment to increase capacity, the entire approval process of these facilities can take up to ten years before a final decision is issued by the Ministry. A number of Ontario municipal landfills are nearing capacity or have reached capacity in the last few years. Increasingly Ontario municipalities are becoming dependent on a handful of private disposal sites.

Waste composition studies from single-family residential waste stream over the last five years (Table 2), show that packaging, and paper products, and organic waste (including, both edible and non-edible organic waste) remain the majority of waste disposed. Figure 10 provides a more detailed breakdown of blue box materials found in the waste stream in 2022. Paper and plastics have been the most predominant materials disposed of over the last five years.

Table 2: Proportion of certain materials in the single-family residential waste stream

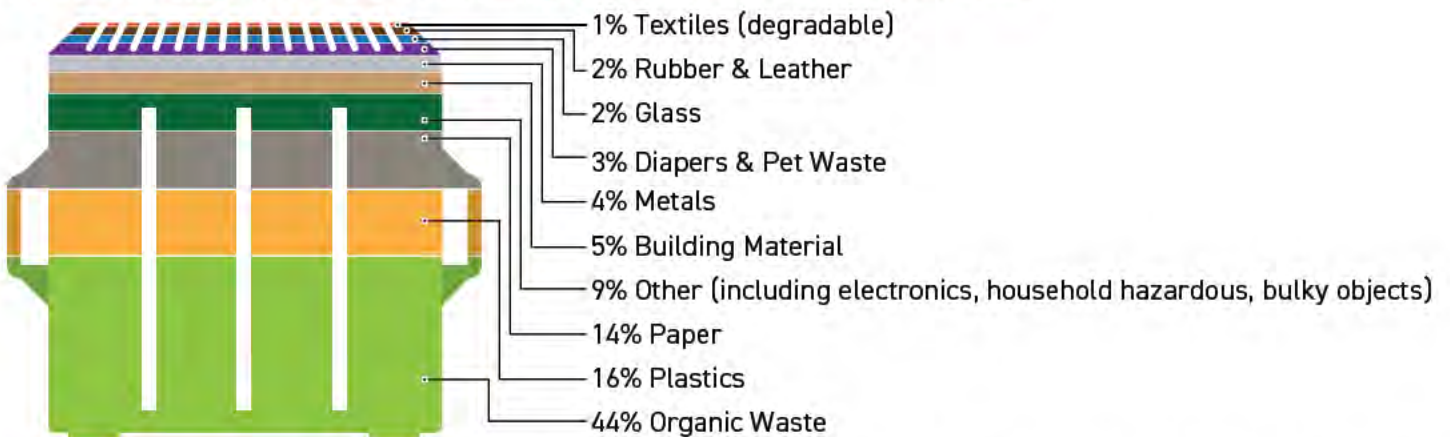
	2018	2019	2020	2021	2022
<b>Blue Box &amp; DRS materials</b>	17.97%	21.63%	22.10%	24.14%	20.54%
<b>Textiles</b>	0.15%	1.44%	0.71%	1.01%	1.71%
<b>Organic waste</b>	38.65%	35.73%	30.13%	38.13%	42.12%
<b>Construction and demolition</b>	2.29%	5.29%	3.41%	1.56%	Not tracked
<b>Electronics</b>	1.06%	1.40%	1.42%	0.83%	Not tracked
<b>Batteries</b>	0.15%	0.09%	0.11%	0.08%	0.08%
<b>Tires and other rubber</b>	0.25%	0.20%	0.13%	2.30%	Not tracked

**Figure 10: Average proportion of blue box materials in the single-family residential waste stream<sup>12</sup>**



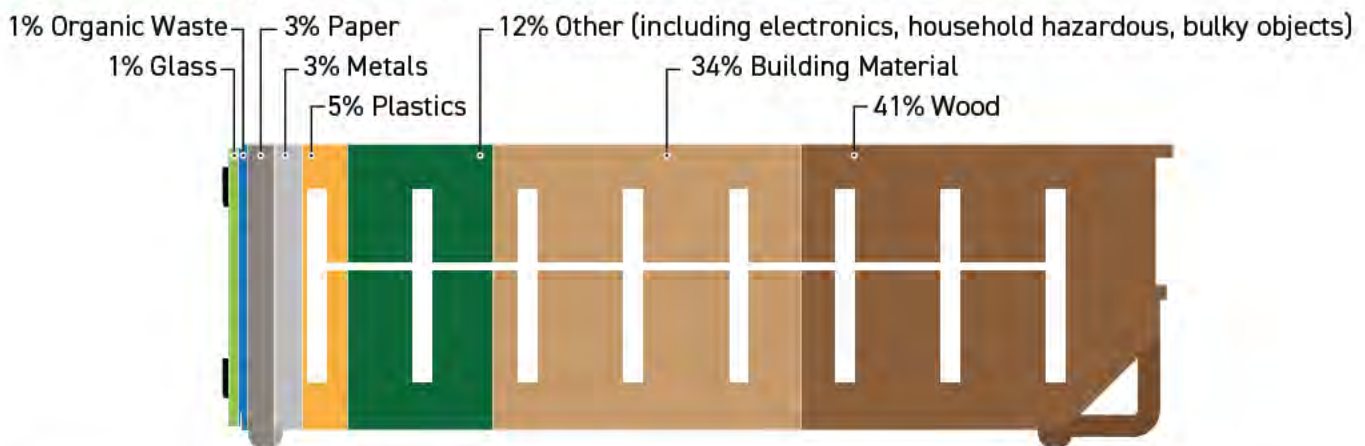
Data on material composition in the ICI sector are not as well tracked or publicized in Canada. There have been recent efforts by Environment and Climate Change Canada to better characterize the materials in the ICI waste stream. Figures 11 and 12 illustrate the waste compositions of the ICI solid waste stream and demolition and construction (C&D) solid waste stream respectively.<sup>13</sup>

**Figure 11: Average proportion of material by type in Canada’s ICI solid waste stream**



Similar to the residential sector, the majority of waste generated by the ICI sector is organic waste and packaging and paper products. For the C&D sector, the majority of waste materials consists of wood and building materials (Figure 12).

**Figure 12: Average proportion of material by type in Canada’s C&D solid waste stream**



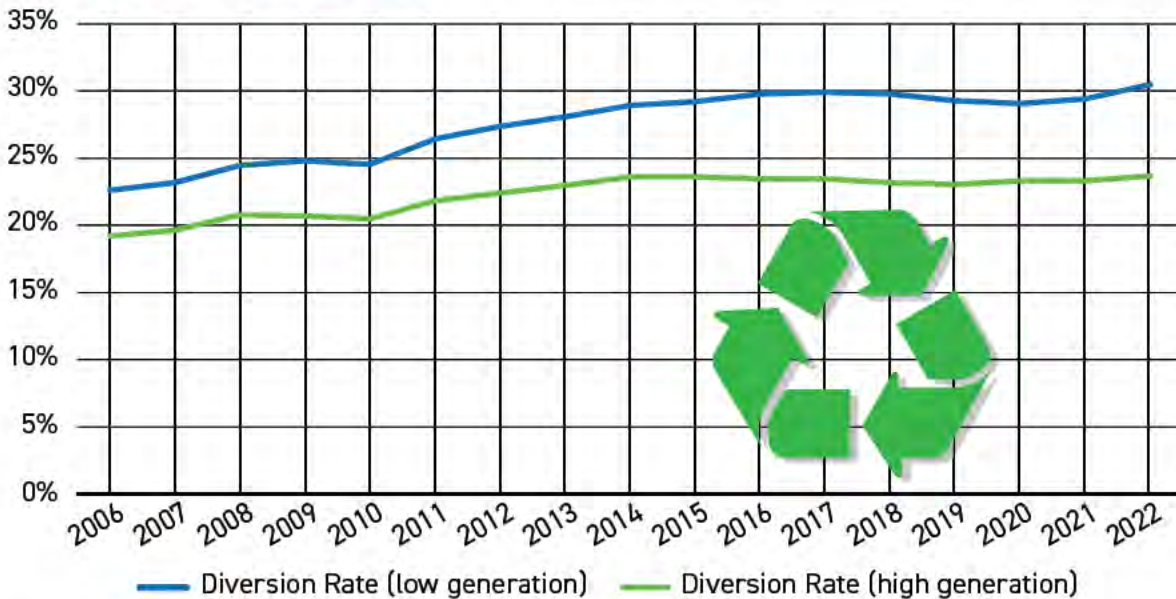
<sup>12</sup> Based on 2022 CIF Waste Composition data. Available at <https://thecif.ca/centre-of-excellence/policy/waste-composition-studies/>

<sup>13</sup> National Waste Characterization Report: The Composition of Canadian Residential Municipal Solid Waste, 2020. Available at [https://publications.gc.ca/collections/collection\\_2020/eccc/en14/En14-405-2020-eng.pdf](https://publications.gc.ca/collections/collection_2020/eccc/en14/En14-405-2020-eng.pdf)

## 3.0 Provincial Targets and Progress

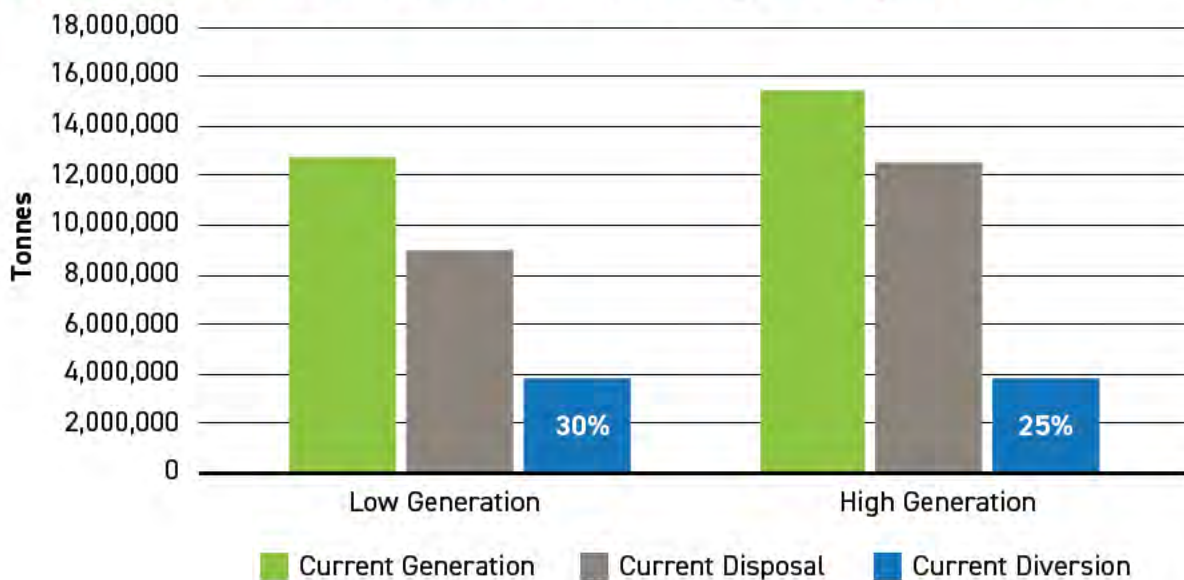
Figure 13 illustrates Ontario's current waste diversion performance based on a high generation rate (i.e., using Waste to Resource disposal data) and low generation rate (i.e., using the RPRA's Residential disposal data and Statistics Canada ICI disposal data).

**Figure 13: Ontario Diversion Rate**



Depending on the disposal data used, Ontario is diverting either 25% or 30% of all waste generated. Residential waste diversion accounts for 67% of all material diverted, despite being representing less than 30%-40% of all waste generated.

**Figure 14: Ontario's 2022 waste diversion rate based on high and low generation rates**



While the provincial government's efforts to transition existing diversion programs to full producer responsibility and expand diversion of food and organic waste from disposal have helped Ontario to achieve a 25% or 30% diversion rate, there is still significant work needed to meet future targets. As noted in section 2.2.3, the recent progress to achieve the 2020 target is due to the implementation of residential organic waste diversion programs. Table 3 provides estimates of the amount of tonnes Ontario would need to divert based on Ontario's high and low waste generation rates.

**Table 3: Additional tonnes necessary to meet diversion targets**

Performance Target	Low generation – Additional tonnes* necessary to meet diversion rate	High generation – Additional tonnes* necessary to meet diversion rate
<b>2020 – 30% Diversion Rate</b>	0	768,264
<b>2030 – 50% Diversion Rate</b>	2,475,921	3,858,698
<b>2050 – 80% Diversion Rate</b>	6,281,905	8,494,348

\*Rounded to the nearest 10

To meet Ontario's 2030 diversion targets, the province would need to divert an additional 2.48 – 3.86 million tonnes of material, and for the 2050 diversion target, the province would need to divert an additional 6.28 – 8.49 million tonnes of material. For perspective, the total tonnes of materials supplied into Ontario under the existing producer responsibility programs equates to 1.31 million tonnes (Table 4). Substantial new efforts are needed for Ontario to meet future diversion goals.

**Table 4: Total supplied into Ontario based on tonnes reported under producer responsibility designations**

Designated Materials	Total Supplied Tonnes <sup>14</sup>
<b>Batteries</b>	9,800
<b>Blue Box</b>	917,740
<b>Information Technology, Telecommunications, Audio-Visual Equipment</b>	60,630
<b>Lighting</b>	3,360
<b>Tires</b>	183,260
<b>Hazardous Special Products</b>	131,880*
<b>TOTAL</b>	<b>1,306,670</b>

\*Rounded to the nearest 10

Table 5 provides the potential additional diversion that could be achieved if Ontario were to designate additional target materials for producer responsibility requirements and add ICI diversion requirements for the ICI sector (based on conservative estimates). The government has discussed targeting these materials at numerous points. Action on these materials, as well as improvement of current producer responsibility policies, could help the government meet the targets they have set for 2030.

**Table 5: Additional tonnes necessary to meet diversion targets**

Additional Designated Materials	Potential Additional Tonnes Diverted
<b>Additional Electronics</b>	16,940
<b>Textiles</b>	155,500
<b>Mattresses</b>	12,300
<b>Additional Hazardous Special Products</b>	3,600
<b>Furniture</b>	76,160
<b>Carpet</b>	63,200
<b>ICI Organics<sup>15</sup></b>	1,800,000
<b>ICI Paper Products and Packaging<sup>16</sup></b>	1,239,000
<b>TOTAL</b>	<b>3,366,700</b>

\*Rounded to the nearest 10

<sup>14</sup> Based on RPRA 2022 Resource Recovery Reports. Available at <https://rprra.ca/resource-recovery-reports/>. Batteries, ITT/AV, and tires published December 22, 2022. Blue Box, hazardous special products and lighting published March 31, 2023.

<sup>15</sup> Based on doubling current performance.

<sup>16</sup> Based on capturing 60% of the current amount disposed (see section 4.2.2).

## Did you know?

In 2018, the Ontario government committed to designate the following materials by 2020 and 2023:

- Small appliances;
- Electrical tools;
- Mattresses;
- Carpets
- Clothing and other textiles; and
- Furniture and other bulky items

And in 2020, committed to:

- Consult on a proposal to phase out food and organic waste from landfills by 2030.
- Consult on an ICI waste reform framework.
- Conduct waste audits to inform new producer responsibility designations.

To date, no progress has been made on any of the above items.



## 4.0 Producer Responsibility Regulations

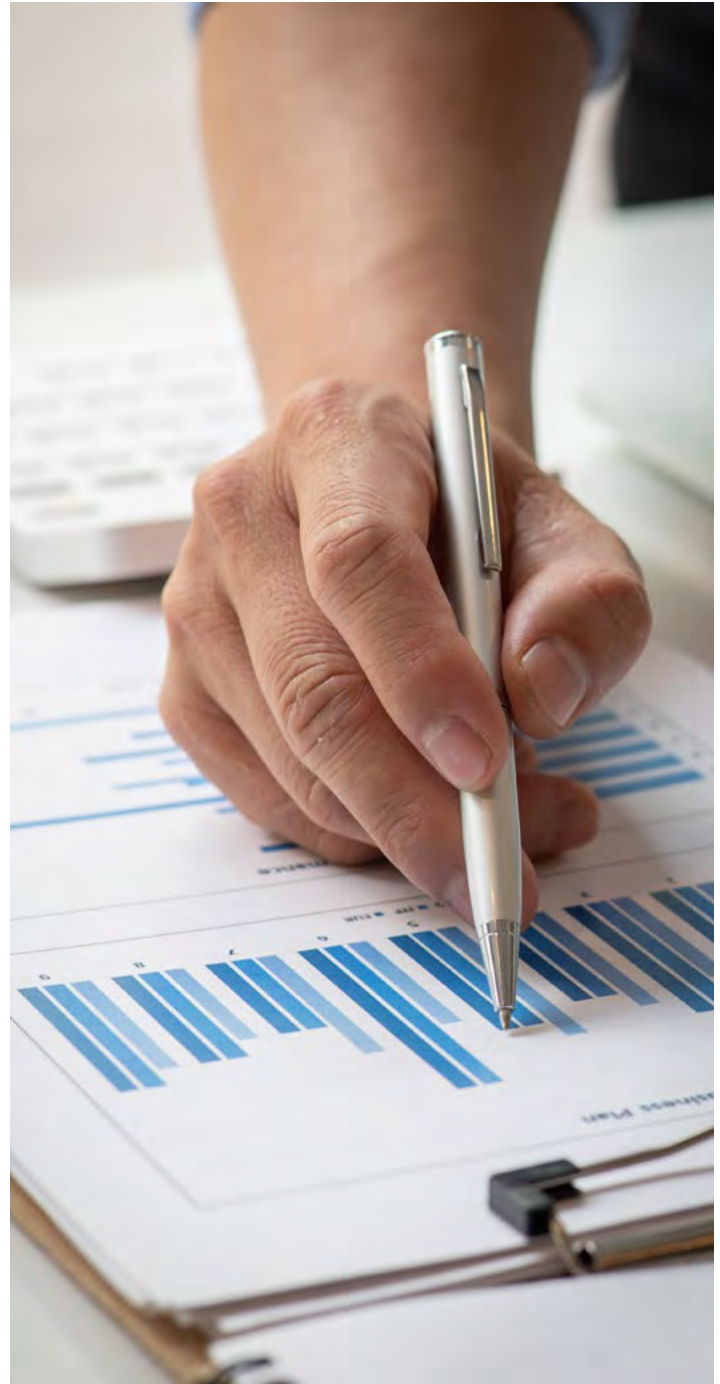
Since the *Resource Recovery and Circular Economy Act* passed in late 2016, the province has been transitioning all of its recycling programs from government directed systems to a system based on producers being required to meet enforceable, outcomes-based targets. Municipal governments have been supportive of this approach so long as:

- there are the resources and ability to provide proper oversight and enforcement; and
- high performance targets are established to drive economic activity and innovation.

The following section provides an assessment of Ontario's current producer responsibility regulations. Understanding the performance of these regulations will be essential as the costs for the improper management of these materials often falls to municipal governments. Certain conclusions can already be drawn from the current regulations to improve outcomes.

### Five main lessons to improve Ontario's EPR Regulations:

1. Performance targets need to be measurable, and drive meaningful and continual improvement;
2. Additional materials should be designated at a minimum to align with other Canadian provinces and territories;
3. Unnecessary exemptions, deductions and credits should be removed from regulations;
4. Annual third-party performance audits should be mandatory in all regulations to reduce enforcement costs and ensure a level playing field; and
5. A clear timeline should be established for new material designations to allow for proper planning.



### 4.1 Batteries Regulation (O.Reg.3 0/20)

The batteries regulation includes the following designated materials:

- Single-use (primary) batteries weighing 5 kg or less, and
- Rechargeable batteries weighing 5 kg or less.

#### 4.1.1 Performance

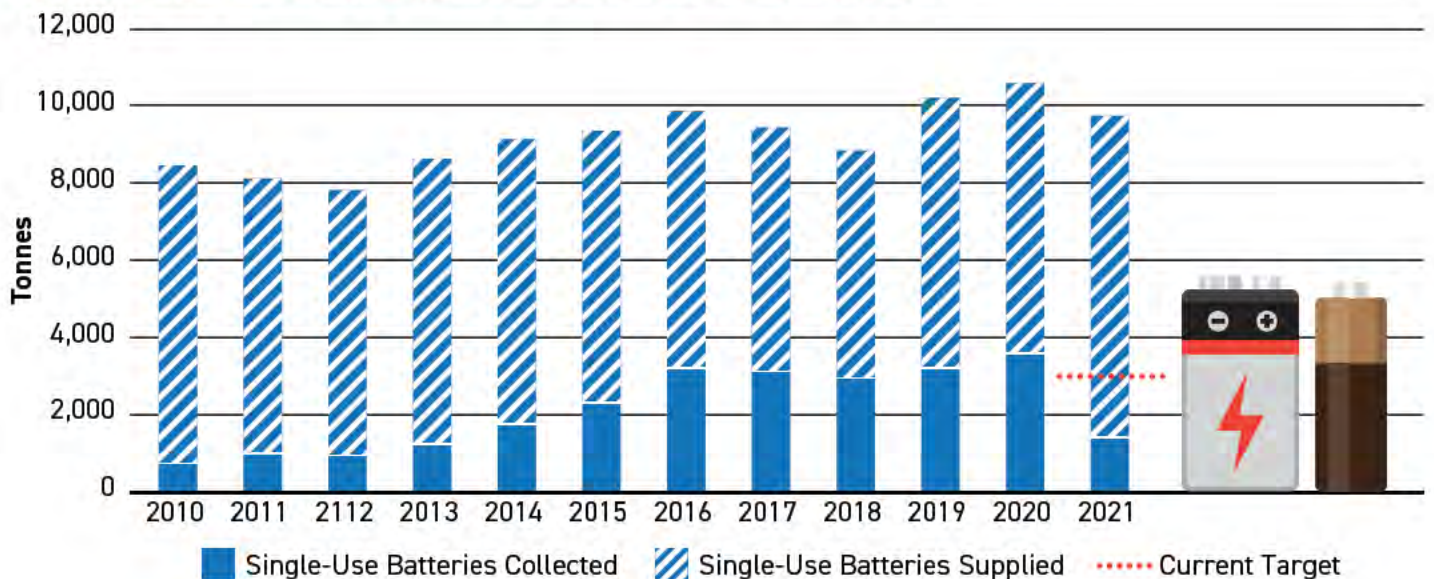
Overall, the amount of single-use batteries collected has steadily increased over the last decade (Figure 15), however, this significantly declined in 2021 and appears far short of existing targets. There are significant concerns about the performance of the program since the new regulation was passed and what steps might be taken to ensure producers are compliant with the requirements of the regulation. RPRA noted in Statement in August 2023 that producers, and PROs on their behalf, have reported in the aggregate managing 12% of the calculated supply for single-use batteries and 13% for rechargeable batteries (the target for 2022 was 40% for both single-use and rechargeable batteries).

#### Did you know?

There are increasing incidents of fires at recycling and waste management facilities as a result of improperly managed electronics and batteries. This underlines the importance of policies to drive better management.



Figure 15: Single use batteries supplied and collected in Ontario 2010-2021



## 4.1.2 Issues

The following key issues have been identified with the regulation:

### 1. Performance targets

- a. The amount of single-use batteries necessary to meet the management requirement appears to be lower than previous years. This may be an indication that the targets were set too low as the amount of batteries supplied into the market does not appear to be declining based on previous years of data (e.g., the target for single-use batteries in 2022 is 2,945 tonnes; this target has been surpassed in all years between 2016 and 2019.).
- b. The current management targets do not provide an incentive for continuous improvement beyond 2025 as they only increase to 2025 and then remain static at 50%.

### 2. Unnecessary exemptions, deductions and credits

- a. The regulation provides an exemption for small producers (i.e., if a producers management requirement is less than 1.25 tonnes of rechargeable batteries or less than 2.5 tonnes of single-use batteries). While the overall impact of this exemption is unclear, any exemptions provided lower the targets. This is because materials are supplied by these small producers into the marketplace (i.e., are available for collection) but are not included in the denominator for which the targets are calculated. This creates an unlevel playing field for battery producers and may lead to less efforts to properly collect and recycle batteries. Ontario is the only province in Canada to include these exemptions.
- b. The regulation allows producers to reduce their management targets if they use recycled content in the batteries they supply into the market. This approach is counterproductive to driving better environmental outcomes in Ontario as reductions in management targets decreases the need to ensure these batteries are properly collected and recycled. The ability to audit the use of recycled content is also extremely difficult for these products, which could lead to future compliance issues.

### 3. Annual third-party performance and supply audits

- a. Third-party audits are only required every three years from producers, instead of annually. While on the surface this appears to reduce regulatory burden, producers are still required to provide audits for all three years. This delay in audit information adds costs to RPRAs as it means they have to use alternative means to ensure producers are compliant.



**4.1.3 Summary**

Table 6 provides a broad assessment of the battery regulation as compared to the previous requirements and performance.

**Table 6: Assessment of the Ontario Battery Regulation (O.Reg. 30/20)**

Indicator	Status	Progress
<b>Materials designated</b>	The regulation designates the same materials that were designated under the <i>Waste Diversion Act</i> (i.e., single-use and rechargeable batteries).	Neutral
<b>Exemptions</b>	Unlike the previous <i>Waste Diversion Act</i> regulation, the new regulation exempts producers that only generate small amounts of batteries. The severity of the impact of this is unclear, but it would impact targets as these materials are not included in the denominator. This type of exemption is not used in other Canadian jurisdictions.	Worse
<b>Performance</b>		
Recycling Targets	Targets are lower than previously achieved. Producers can also discount recycling targets through the use of recycled content in their batteries. While not many producers are using this discount, it would be difficult for RPRA to properly audit.	Worse
Promotion and Education	No promotion and education requirements for producers post 2022 to inform to public on how to properly manage batteries despite increasing incidents of battery fires in the waste stream.	Worse
<b>Performance Trend</b>	Performance significantly declined in 2021 with producers, and PROs on their behalf, reporting in aggregate managing only 12% of the calculated supply for single-use batteries and 13% for rechargeable batteries.	Worse
<b>Oversight and Enforcement</b>	RPRA has the ability to conduct audits and take compliance actions if issues are identified.	Better

## 4.2 Blue Box (O.Reg. 391/21)

The blue box regulation includes the following designated materials:

- blue box product packaging (e.g., primary, transportation, and convenience packaging; service accessories; ancillary elements),
- paper products (e.g., magazines, greeting cards, office paper, calendars, notebooks), and
- product-like packaging (e.g., pie plates, boxes, beverage cups, envelopes).

### 4.2.1 Performance

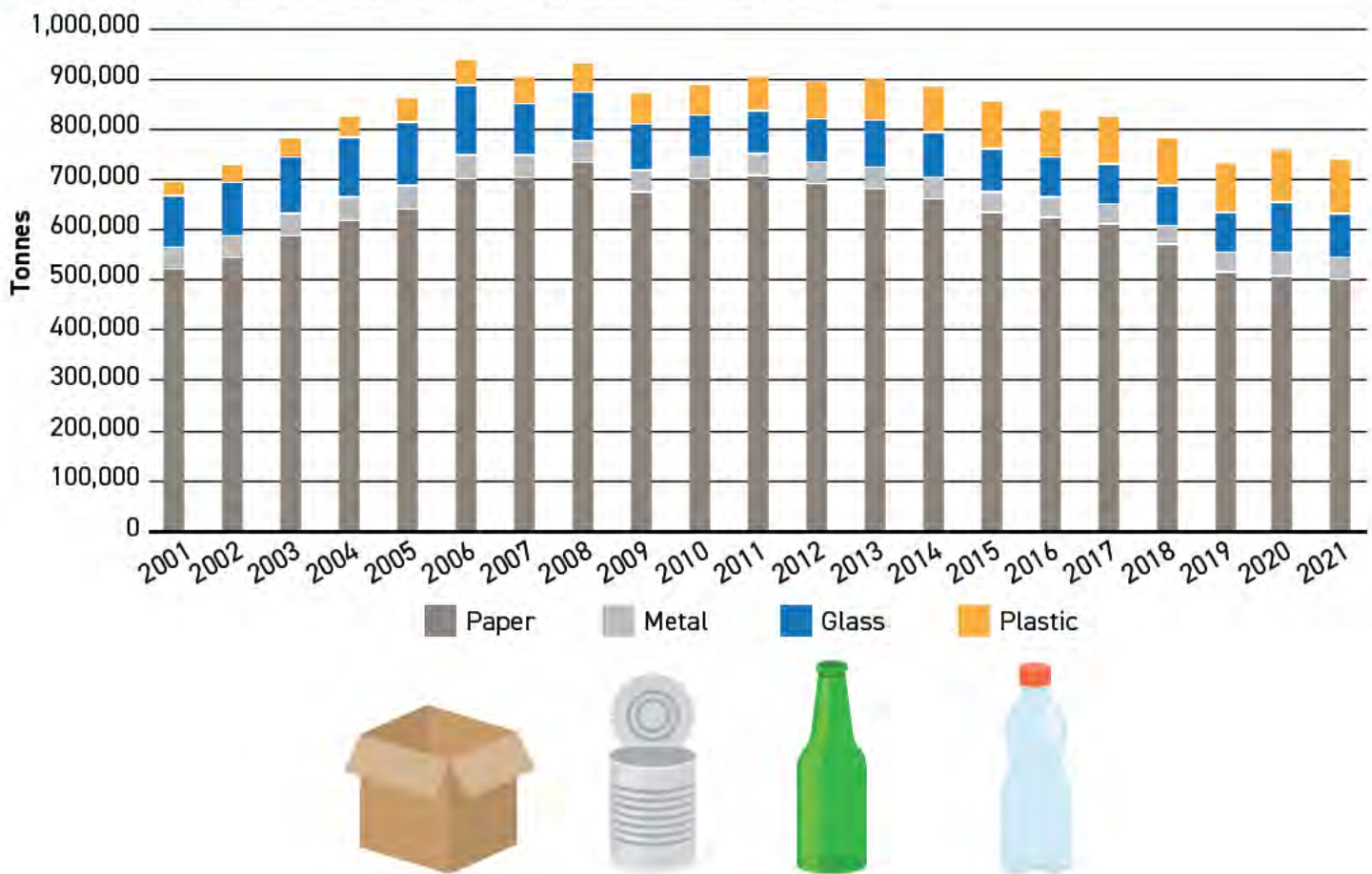
Overall, the amount of blue box materials collected and marketed to recyclers by weight has been steadily declining (Figure 16) from a high of 938,000 tonnes in 2006. This decline is in part due to the material composition changes to the types of paper products and packaging we consume with a significant shift away from heavier materials like paper and glass to lighter weight plastics. As noted in section 2.2.4, blue box materials still make up a significant portion (18-24%) of the residential waste stream.

### Did you know?

A Conference Board of Canada report found that increasing Ontario's waste diversion to 60% could create more than 12,500 new jobs and generate an additional \$1.5 billion to the provincial gross domestic product.



Figure 16: Blue box materials marketed to recyclers in Ontario 2001-2021



## 4.2.2 Issues

The following key issues have been identified with the regulation:

### 1. Performance targets

- a. It is unclear yet whether the current targets set will be sufficient to drive improved outcomes, given recent changes to allow for more exemptions (e.g., newspapers) and deductions (e.g., allowing producers to deduct supplies tonnage that is collected from a business or institution that producers are not required to provide blue box collection services to under the blue box regulation). These changes decrease the amount of materials producers need to process to meet their management targets. Ontario municipalities have significant concerns that the latest deductions will be very difficult to audit and verify and could significantly reduce the supply numbers and reduce targets.

### 2. Additional materials

- a. Overall, the new regulation should provide Ontarians with greater access to blue box collection. However, there remains a lack of focus on ICI sources of blue box materials. By extrapolating BC's IC waste composition data, Ontario could be disposing 1.68-2.45 million tonnes of packaging and paper products on an annual basis.<sup>17</sup> Even collecting 60% of these materials could provide over 1.2 million tonnes of diversion and significantly increase Ontario's diversion rate.

### 3. Unnecessary exemptions, deductions and credits

- a. Packaging-like products made of flexible plastics, as well as packaging used for food protection, containment and handling, have been exempted despite being collected in both the recycling and waste streams and being included in most other jurisdictions. This exemption affects the amount reported as supplied into the market and this impacts management targets despite these materials still being managed in the blue box.
- b. Compostable packaging has been exempted from collection and management targets despite the fact it is a growing packaging format. This exemption affects the amount reported as supplied into the market and this impacts management targets despite these materials still being managed by municipal governments. A 2022 study undertaken by the Ministry of Environment, Conservation, and Parks on compostable packaging recommended that "producers should be responsible for the full cost for collection and processing of their products".
- c. Expanded deductions related to blue box materials managed outside the blue box system (e.g., materials collected from a business or institution that are not part of a blue box program for residents) will be difficult, if not impossible, to be able to properly oversee. The scale of these deductions could significantly reduce the materials needed for producers to meet their targets.

### 4. Annual third-party performance and supply audits

- a. Third-party audits are only required every three years from producers, instead of annually. While on the surface this appears to reduce regulatory burden, producers are still required to provide audits for all three years. This delay in audit information adds costs to RPRA as it means they have to use alternative means to ensure producers are compliant.

<sup>17</sup> Canada Plastics Pact. British Columbia Industrial, Commercial and Institutional Packaging and Paper Products Baseline Report: Waste Flows Study, April 2023. Available at [https://plasticspact.ca/wp-content/uploads/2023/04/CPP\\_BC-ICI-Baseline-Report.pdf](https://plasticspact.ca/wp-content/uploads/2023/04/CPP_BC-ICI-Baseline-Report.pdf)

4.2.3 Summary

Table 7 provides a broad assessment of the blue box regulation as compared to the previous requirements and performance.

**Table 7: Assessment of the Ontario Blue Box Regulation (O.Reg. 391/21)**

Indicator	Status	Progress
<b>Materials designated</b>	New regulation creates a consistent list of designated materials and expands to packaging-like products, as compared to previous regulation under the <i>Waste Diversion Act</i> .	Better
<b>Exemptions</b>	<p>The regulation allows for exemptions for the following materials, which affects the amount reported as supplied into the market and this impacts management targets:</p> <ul style="list-style-type: none"> <li>• newspapers</li> <li>• packaging-like products made of flexible plastics and used for food protection, containment, handling.</li> <li>• compostable packaging<sup>18</sup></li> </ul> <p>A recent amendment also enables producers to deduct materials (excluding beverage containers) collected from a business or institution that producers are not required to provide blue box collection services to under the blue box regulation. The ability for RPRA to properly audit these deductions will be extremely difficult and the impact on targets could be significant.</p>	Worse
<b>Performance</b>		
Collection	<p>Common collection system is required in every community in Ontario except in the <b>Far North</b>, which will expand current servicing.</p> <p>Blue box material must be, at a minimum, collected in the same manner that garbage is collected. This is generally consistent with current blue box servicing.</p>	Better
Recycling	While targets appear higher, it is unclear what the impact of exemptions and deductions will have. Targets should be added for compostable packaging to align requirements with all other packaging. Targets may need to be re-visited to ensure they are driving improved environmental and economic outcomes.	Neutral
Promotion and Education	Similar requirements for producers to provide promotion and education as to what municipal governments are currently providing.	Neutral
<b>Performance Trend</b>	<p>The weight of materials collected and recycled from the blue box programs have been gradually decreasing over the last number of years. This decrease is largely due to the change in material composition (i.e., the light weighting of packaging from glass and metal to plastics). However, the recycling rate has also declined by over 8% in the last five years.</p> <p>The new regulation expected to increase quantities of material captured as new communities will be added and, in many cases, new materials will be included in curbside collection (i.e., flexible packaging, single use items).</p>	Worse (but new regulation expected to improve)
<b>Oversight and Enforcement</b>	RPRA has the ability to conduct audits and take compliance actions if issues are identified.	Better

<sup>18</sup> Note compostable packaging is still required to report so there is an ability to understand the impact of the exemption.

### 4.3 Electrical and Electronic Equipment Regulation (O.Reg. 522/20)

The EEE regulation includes the following designated materials:

- computers
- printers
- printer cartridges
- video gaming systems
- headphones
- display devices
- radios and stereos
- headphones
- speakers
- cameras, including security cameras
- video recorders
- audio recording equipment
- musical instruments
- Parts of information technology, telecommunications and audio-visual equipment sold separately, such as hard drives
- Handheld point-of-sale terminals or devices
- Peripherals and cables used to support the function of information technology, telecommunications and audio-visual equipment, including drones with audio or visual equipment

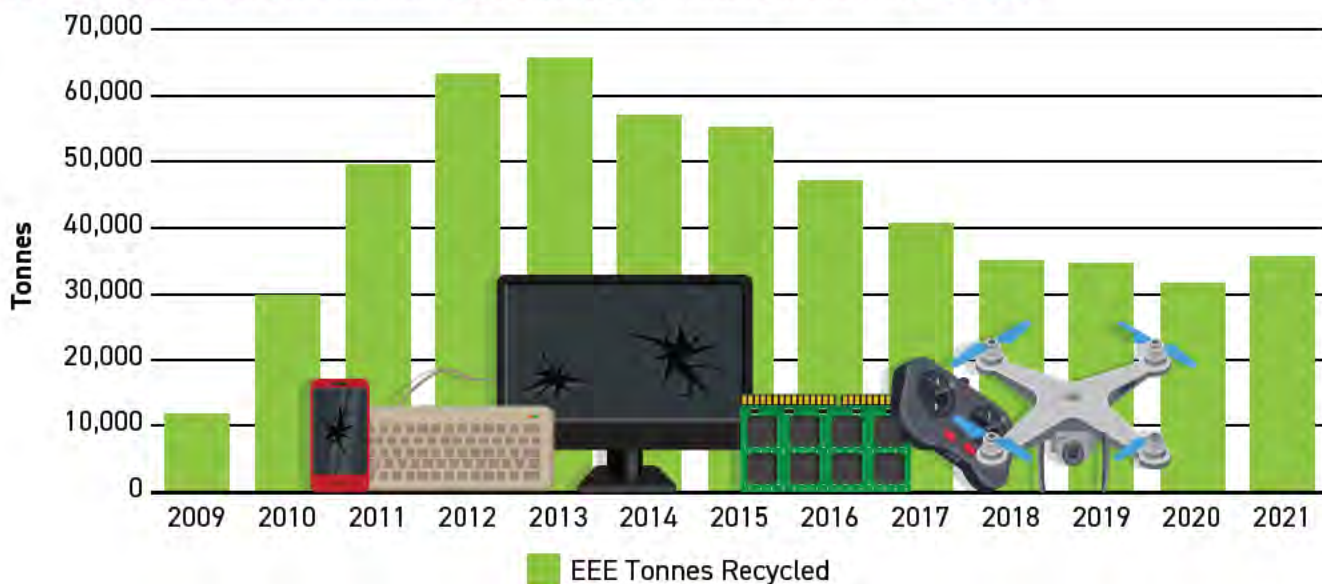
#### 4.3.1 Performance

The amount of EEE recycled has dropped precipitously since 2013 (Figure 17). This is not the trend one would hope to see given that the amount of these products in our daily lives are becoming increasingly ubiquitous. A recent University of Waterloo study found that e-waste has tripled in the last two decades.<sup>19</sup>

#### Did you know?

British Columbia, Saskatchewan, Manitoba, Quebec, PEI and the Yukon Territory designate more types of electrical and electronic equipment than Ontario, including items like microwaves, power tools, large and small appliances, electronic toys and outdoor power equipment.

Figure 17: Electrical and Electronic Equipment (EEE) collected in Ontario 2009-2020



<sup>19</sup> Journal of Hazardous Materials, A first comprehensive estimate of electronic waste in Canada. Komal Habib, Elham Mohammadi, Sohani Vihanga Withanage. April 15, 2023. Can be found at: <https://www.sciencedirect.com/science/article/abs/pii/S0304389423001474>



## 4.3.2 Issues

The following key issues have been identified with the regulation:

### 1. Performance targets

- a. The amount of EEE necessary to meet the management requirement appears to be lower than previous years. This may be an indication that the targets were set too low as the market does not appear to be declining based on previous years of data (e.g., the management target for EEE in 2022 is 33,124 tonnes; this performance has been surpassed in all years between 2011 and 2019).
- b. The reported supplied numbers in the last three years have dropped significantly and might indicate an issue with compliance or with exemptions included in the regulation.
- c. The current management targets do not provide for continuous improvement as they only increase to 2025 and then remain static at 70%.

### 2. Unnecessary exemptions, deductions and credits

- a. The regulation provides an exemption for small producers (three and a half tonnes with respect to ITT/AV or not more than 350 kilograms with respect to lighting). While the overall impact of this exemption is unclear, any exemptions provided lower the targets. This is because materials are supplied by these small producers into the marketplace (i.e., are available for collection) but are not included in the denominator for which the targets are calculated. This creates an unlevel playing field for EEE producers and may lead to less efforts to properly collect and recycle EEE and lighting. Ontario is the only province in Canada to include these exemptions.
- b. The regulation allows producers to reduce their management targets if they use recycled content, or if they allow for repair or extended warranties. While incentives to encourage these activities support the broader circular economy goals, this mechanism appears to be counterproductive to driving better environmental outcomes in Ontario as reductions in management targets decreases the need to ensure these EEE are properly collected and recycled. EEE producers were able to reduce their management requirements by 18% in 2023. In order to offset this, targets would need to be raised to ensure these reductions do not offset the need to collect and recycle these materials.

### 3. Annual third-party performance and supply audits

- a. Third-party audits are only required every three years from producers, instead of annually. While on the surface this appears to reduce regulatory burden, producers are still required to provide audits for all three years. This delay in audit information adds costs to RPRA as it means they have to use alternative means to ensure producers are compliant.

### 4. Additional materials

- a. Ontario lags behind other provinces of designating new types of materials (e.g., small appliances, power tools, personal care appliances, sports equipment, toys, outdoor power equipment, large appliances).

**4.3.3 Summary**

Table 8 provides a broad assessment of the electrical and electronic equipment (EEE) regulation as compared to the previous requirements and performance.

**Table 8: Assessment of the Ontario Electrical and Electronic Equipment Regulation (O.Reg. 522/20)**

Indicator	Status	Progress
<b>Materials designated</b>	The regulation covers slightly more designated materials (e.g., lighting and electronic musical instruments and audio recording equipment) than the previous regulation under the <i>Waste Diversion Act</i> , but less materials than most other provinces in Canada (e.g., small appliances, power tools).	Neutral
<b>Exemptions</b>	Unlike the previous <i>Waste Diversion Act</i> program, the new regulation exempts producers that only generate small amounts of EEE and lighting. It is unclear of the scale of the impact of this exemption, but it would impact targets as these materials are not included in the denominator. This type of exemption is not used in other Canadian jurisdictions.	Worse
<b>Performance</b>		
Recycling	Targets are lower than previous performance levels and producers can discount management targets through recycled content, warranties and repair, which is difficult to audit and can create perverse outcomes.	Worse
Promotion and Education	No promotion and education requirements for producers post 2022 to inform to public on how to properly manage electronics despite increasing incidents of electronics related fires in the waste stream.	Worse
<b>Performance Trend</b>	Performance significantly declining.	Worse
<b>Oversight and Enforcement</b>	RPRA has the ability to conduct audits and take compliance actions if issues are identified.	Better

### 4.4 Deposit Return (O.Reg. 293/15)

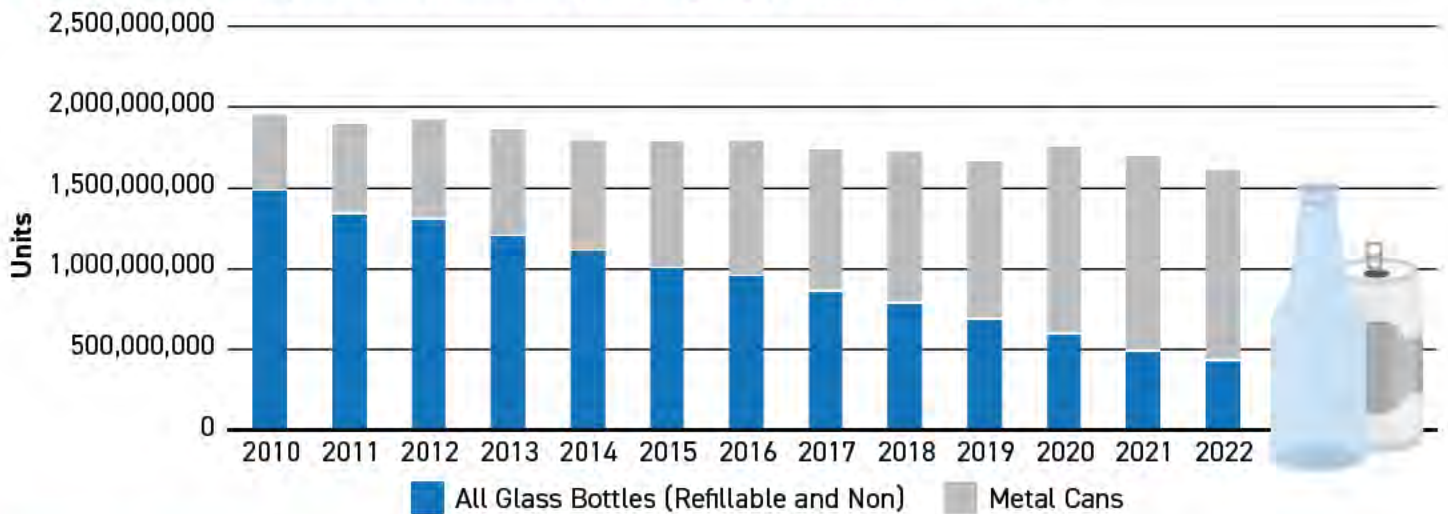
The deposit return regulation includes all alcoholic beverage containers.

#### 4.4.1 Performance

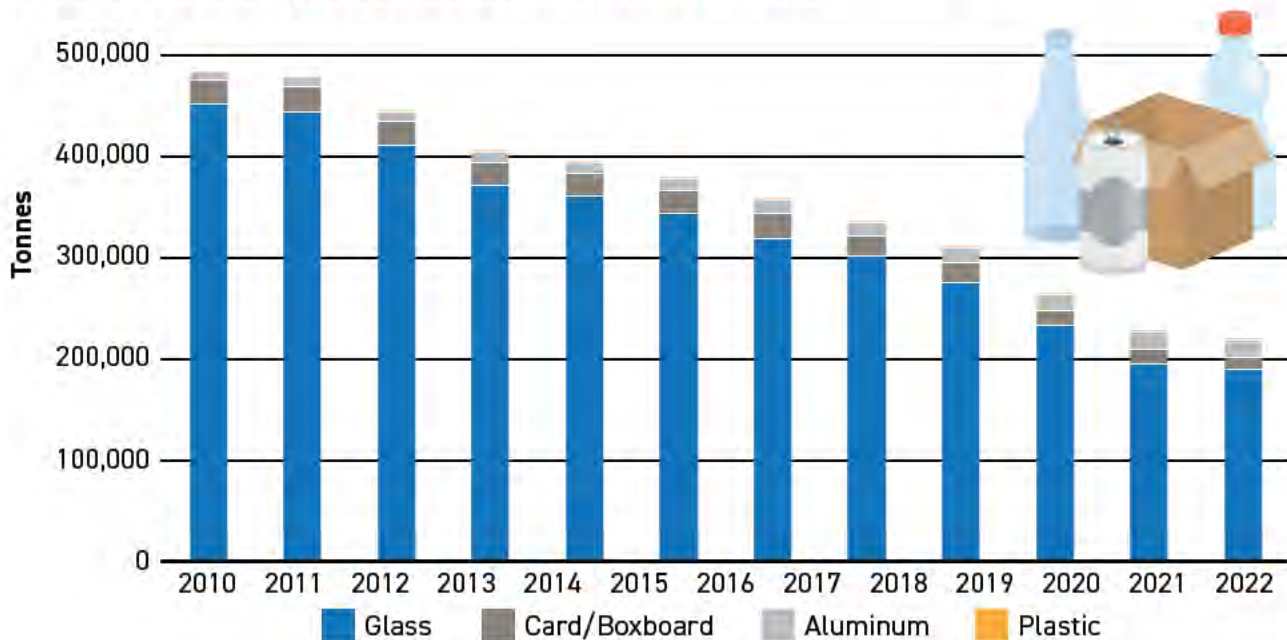
The composition of the materials managed under deposit return has changed significantly over the last decade with the move away from glass to aluminum containers (Figure 18). Since glass is heavier than aluminum cans, this shift alone has reduced the overall tonnes of materials supplied and returned (Figure 19).

At the same time, the returns for beer containers (i.e., units of bottles and cans) have dropped by 16% over this time period and other alcoholic containers by 4%. It is important to highlight that the deposit return fees, and associated redemption rates have not been adjusted since 2010, which may be impacting return rates. Accessibility has also declined for returns at the same time that the availability of purchase of deposit return containers has increased, meaning deposit return containers are more accessible than opportunities to return them

**Figure 18: Supplied deposit return containers (excluding kegs) in Ontario 2010-2022**

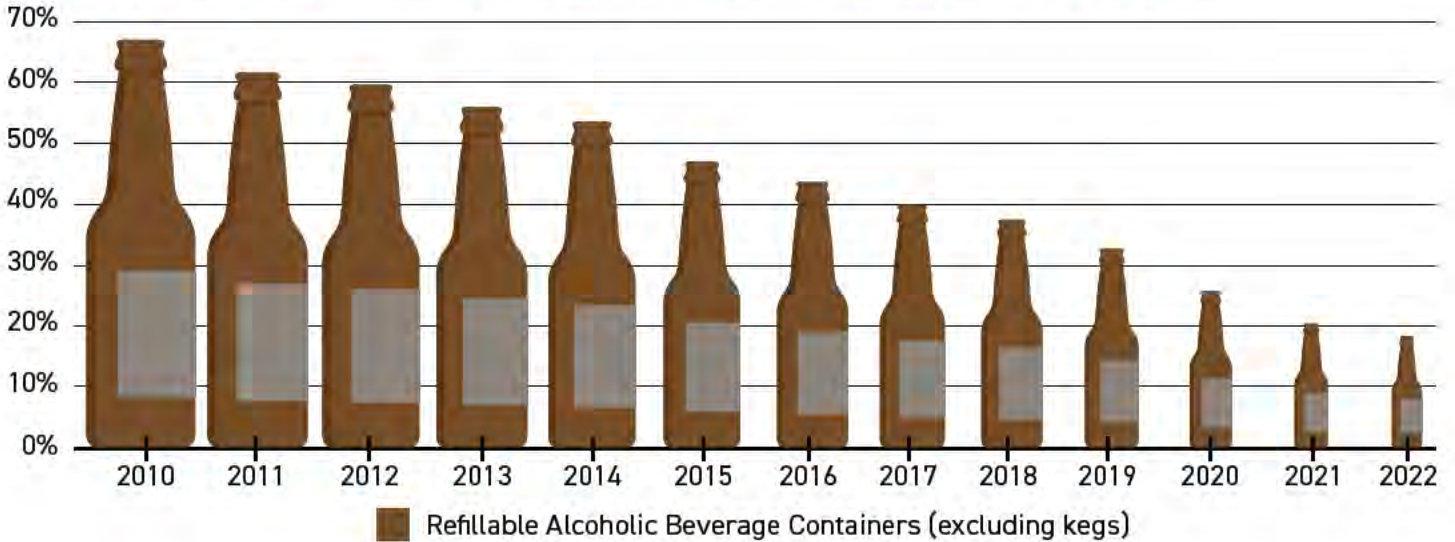


**Figure 19: Collected deposit return materials in Ontario 2011-2022**



This shift from glass to aluminum has also meant a shift away from refillable containers. Over the last decade, the share of refillable containers has dropped from 67% to 18% (Figure 20).

**Figure 20: Share of refillable alcoholic beverage containers (excluding kegs) in Ontario 2010-2022**



**4.4.3 Issues**

The following key issues have been identified with the regulation:

**1. Performance targets**

- a. There continues to be a significant amount of deposit return material that ends up in the curbside recycling system. A reassessment of deposit rates as well as aligning the accessibility of deposit return containers to return locations (e.g., retail locations) are needed.
- b. Consideration should also be made by the government as to what mechanisms could be used to improve the proportion of refillable containers.

**4.4.3 Summary**

Table 9 provides a broad assessment of the deposit return system regulation as compared to the previous requirements and performance.

**Table 9: Assessment of the Ontario Deposit Return Program (O.Reg. 293/15)**

Indicator	Status	Progress
<b>Materials designated</b>	The types of alcoholic beverage containers included in the program have not changed in a number of years. The province has established a working group to discuss the potential of expanding the deposit return system to include non-alcoholic beverage containers.	Neutral
<b>Performance</b>		
<b>Performance Trend</b>	Diversion rates have been trending down from 95% for beer bottles and 77% for other alcoholic containers in 2010 to 79% for beer bottles and 74% for other alcoholic containers in 2022.	Worse

### 4.5 Hazardous Special Products Regulation (O.Reg. 449/21)

The hazardous special products (HSP) regulation includes the following designated materials:

- oil filters,
- refillable and non-refillable pressurized cylinders,
- antifreeze,
- oil containers,
- paints and coatings,
- solvents,
- pesticides,
- mercury containing devices (e.g., barometers, thermometers, thermostats), and
- fertilizers.

Table 10 provides an outline of the requirements associated with the different designated HSP materials.

**Table 10: Requirements associated with designated HSP materials**

Material	Collection System	Management System	Minimum Management Targets	Promotion & Education	Registration	Performance Reporting
Oil Filters	✓	✓	✓	✓	✓	✓
Non-Refillable Pressurized Cylinders	✓	✓	✓	✓	✓	✓
Refillable Pressurized Cylinders	✓ (call-in only)	✓			✓	✓
Antifreeze	✓	✓		✓	✓	✓
Oil Containers	✓	✓		✓	✓	✓
Solvents	✓	✓		✓	✓	✓
Paint & Coatings	✓	✓		✓	✓	✓
Pesticides	✓	✓		✓	✓	✓
Mercury Containing Devices	✓ (call-in only)	✓		✓	✓	✓
Fertilizers				✓	✓	✓
Propane Cylinders (refillable)	✓ (call-in only)	✓			✓	

### 4.5.1 Performance

The weight of materials collected through the HSP regulation are small, representing only 0.15% of Ontario's total waste generation. However, due to potential hazards and environmental damage that improper disposal can cause, it is an important material stream that requires safe management.

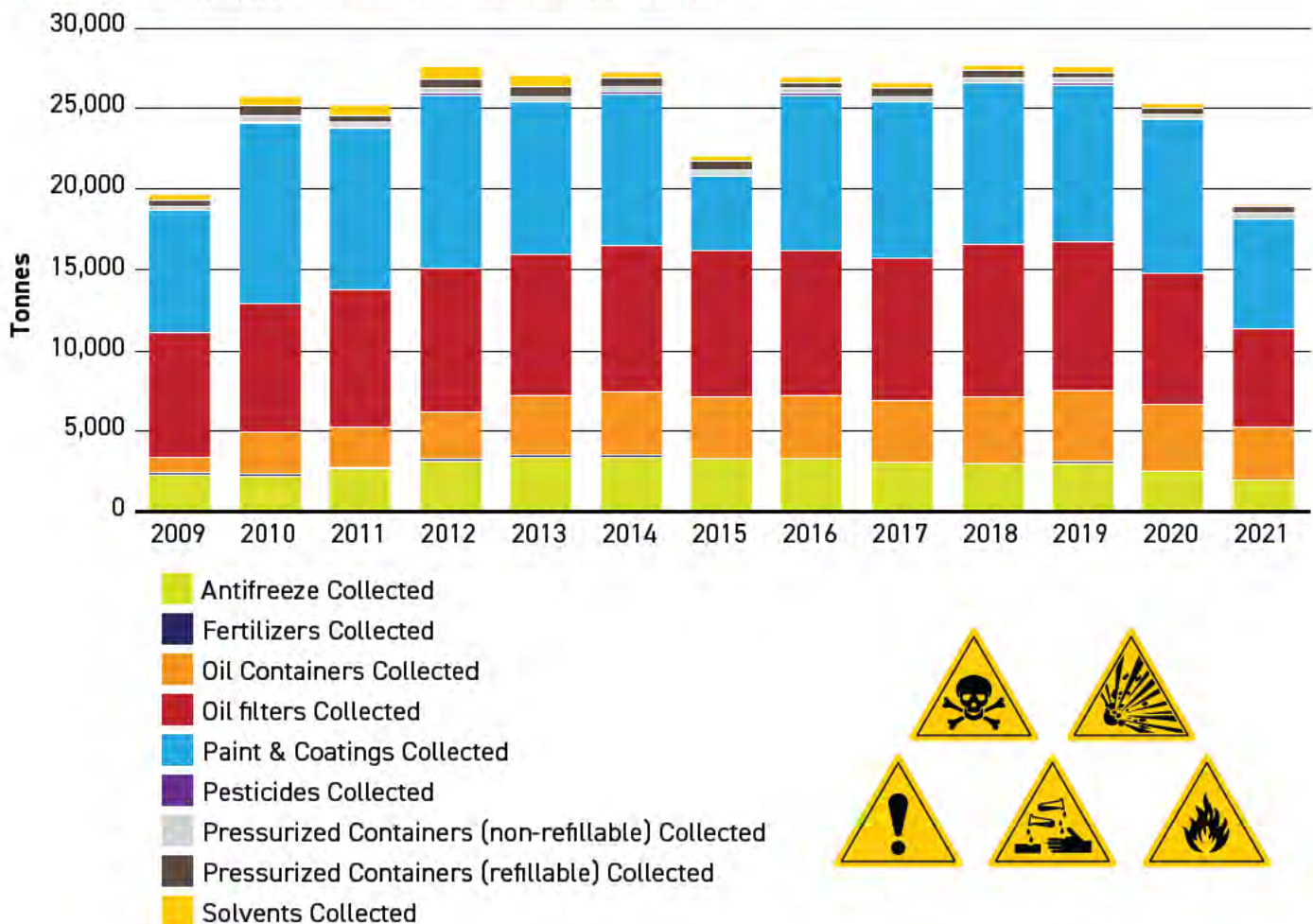
In 2021, 18,980 tonnes of HSP material were collected. This represented a drop of 6, 248 tonnes versus the previous year's performance. Historically the annual tonnage collected have averaged 25,659 tonnes (Figure 21).

#### Did you know?

The HSP regulation currently only includes on average 11% of the pesticides, 7% of the miscellaneous organics (including solvents), and 51% of aerosols returned to municipal depots. As a result, municipal taxpayers are forced to pay for the cost of managing these materials instead of the companies that produced them.



Figure 21: HSP collected in Ontario by material type 2009-2021



## 4.5.2 Issues

The following key issues have been identified with the regulation:

### 1. Additional materials

- a. While the province committed to add designated items to the regulation for over a decade, they have not followed through. On the contrary, instead of expanding the materials list, the regulation eliminated some items like fertilizer. **Other Provinces** such as Alberta, British Columbia, and Manitoba have significantly more items designated under their regulations such as lubricating oil, lead acid batteries and a full suite of pesticides. Designating additional items could increase collection by 3,594 tonnes (~19% increase).
- b. A more comprehensive policy under the *Resource Recovery and Circular Economy Act, 2016* is required for pharmaceuticals and sharps. The current regulation still places much of the burden on municipal governments to collect these materials. It is estimated that municipal governments collect over 52,800 kg of pharmaceuticals and over 20,150 kg of sharps at municipal taxpayers' expense.<sup>20</sup> Pharmaceuticals are covered under EPR policies in British Columbia, Manitoba, PEI, and Quebec (2024) and sharps in British Columbia (proposed).

### 2. Performance targets

- a. The regulation does not have targets for collection or the management of HSP items except for oil filters and non-refillable cylinders. This is a glaring miss and does not provide adequate incentives for producers to invest in maximizing collection and management of materials.
- b. The accessibility targets are difficult to discern for the regulator and assessing producer compliance with the target has not yet occurred more than 8 months into implementation of regulatory requirements.

### 3. Annual third-party performance and supply audits

- a. Third-party audits are only required every three years from producers, instead of annually. While on the surface this appears to reduce regulatory burden, producers are still required to provide audits for all three years. This delay in audit information adds costs to RPRA as it means they have to use alternative means to ensure producers are compliant.



<sup>20</sup> Surveys of municipalities collecting pharmaceuticals and sharps were completed in 2020. The population of the sampled communities equated to 25% of the Province's total population. These results were extrapolated to estimate Provincial totals.

**4.5.3 Summary**

Table 11 provides a broad assessment of hazardous special products (HSP) regulation as compared to the previous requirements and performance.

**Table 11: Assessment of the Hazardous Special Products Regulation (O.Reg. 449/21)**

Indicator	Status	Progress
<b>Materials designated</b>	The regulation does not designate all of the products collected and deemed hazardous at municipal collection sites/events e.g., pharmaceuticals and sharps, automotive additives and cleaners, automotive additives and cleaner containers, fuels, miscellaneous flammable materials, oxidizers, corrosives – acids, corrosives – caustics, reactive chemicals, and lubricating oil. The regulation removed some items previously included like fertilizer	Worse
<b>Exemptions</b>	Unlike the previous <i>Waste Diversion Act</i> regulation, the new regulation exempts producers that only generate small amounts of HSP. It is unclear of the scale of the impact of this exemption but it would impact targets as these materials are not included in the denominator. This type of exemption is not used in other Canadian jurisdictions.	Worse
<b>Performance</b>		
Collection	The accessibility targets are complex and problematic to quantify as they can be reduced/ supplemented/ augmented by producers based on a combination of depots, events, collections and use of return-to-retail locations. This lack of clarity makes enforcement challenging and is compounded by the lack of management targets for most HSP materials.	Worse
Recycling	The regulation does not include targets except for oil filters and non-refillable pressurized containers.	Worse
Promotion and Education	Similar requirements for promotion and education as to current conditions	Neutral
<b>Performance Trend</b>	In 2021, 18,980 tonnes of HSP material were collected. This represented a drop of 6,248 tonnes versus the previous year's performance and historically annual tonnage collected has averaged 25,659 tonnes. There may be some rationale for recent declines due to consumption changes and product design.  There is concern however that regulation will see lower quantities of material captured as a number of items previously included have been eliminated (e.g., fertilizer) and collection site requirements are opaque and not being enforced.	Neutral
<b>Oversight and Enforcement</b>	RPRA has the ability to conduct audits and take compliance actions if issues are identified. However, accessibility targets are difficult to enforce and there no collection or management targets for most of the materials.	Better

### 4.6 Tires Regulation (O.Reg. 225/18)

The tire regulation includes the following designated materials:

- automobile tires,
- motorcycle tires,
- motor assisted bicycle tires (e.g., mopeds, non-kick scooters),
- tractor tires,
- tires on industrial and agricultural vehicles and equipment,
- transport truck tires,
- trailer tires (e.g., boat trailers, RVs),
- all-terrain vehicle tires,
- riding lawn mower tires,
- aircraft tires if not supplied on aircraft,
- snow blower tires,
- wheelbarrow tires,
- hand truck tires,
- dolly tires,
- push lawn mower tires,
- segway tires, and
- any other tire that weighs 1 kg or more

#### 4.6.1 Performance

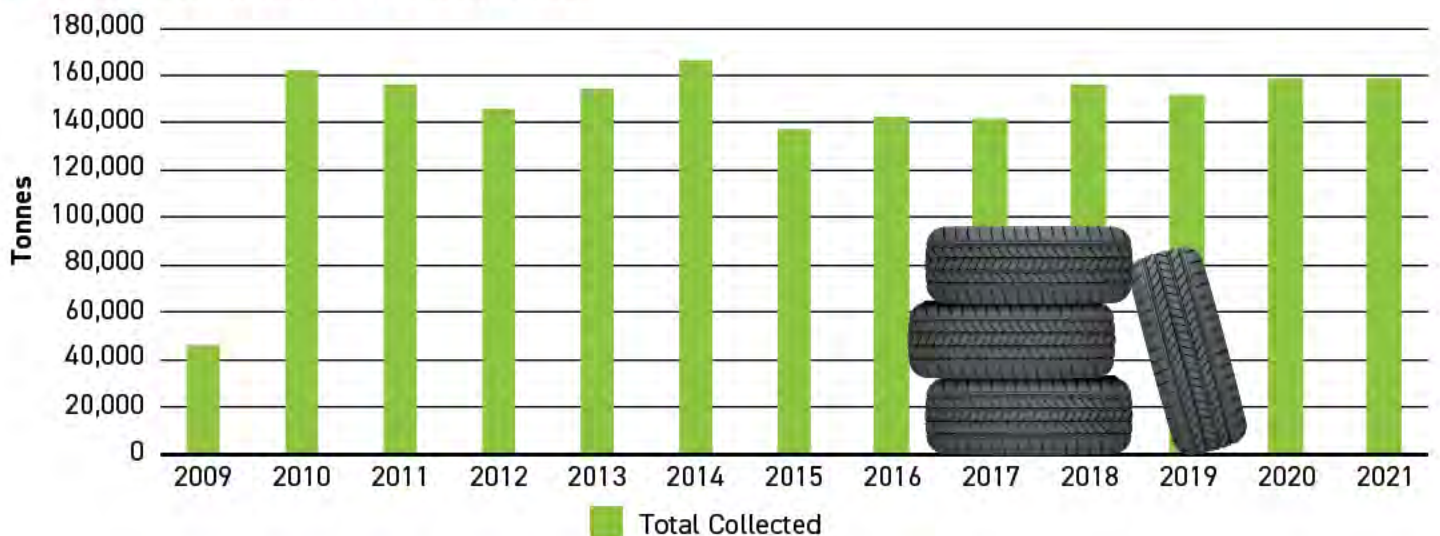
Overall, the amount of tires collected has been increasing steadily (Figure 22) for the last 12 years with no concerns with tires being stockpiled or illegally dumped. A report completed by Waste to Resource Ontario completed several years ago indicated the policy was supporting roughly 800 well-paid jobs and contributing over \$65 million annually to Ontario’s economy through the collection of tires that were being recycled into new products.

#### Did you know?

In 1990, a site with 14 million stockpiled tires caught fire in Hagersville, Ontario and burned for 17 days forcing 4,000 residents from their homes. The fire forced the government to put measures in place to ensure used tires were being properly managed that eventually lead to a producer responsibility regulation.



Figure 22: Tires collected in Ontario 2009-2021



### 4.6.2 Issues

The following key issues have been identified with the regulation:

#### 1. Unnecessary exemptions, deductions and credits

- a. The regulation provides an exemption for small producers. While it is unclear of the overall impact of this exemption, it has the potential to impact targets (as materials are supplied but not included in the denominator) and creates an unlevel playing field. Similar exemptions are not provided in other Canadian jurisdictions.

#### 2. Annual third-party performance and supply audits

- a. Third-party audits are only required every three years from producers, instead of annually. While on the surface this appears to reduce regulatory burden, producers are still required to provide audits for all three years. This delay in audit information adds costs to RPRA as it means they have to use alternative means to ensure producers are compliant.

### 4.6.3 Summary

Table 12 provides a broad assessment of tires regulation as compared to the previous requirements and performance.

**Table 12: Assessment of the Tires Regulation (O.Reg. 225/18)**

Indicator	Status	Progress
<b>Materials designated</b>	The regulation covers all passenger and large format tires that were included in the previous regulation under the <i>Waste Diversion Act</i> .	Neutral
<b>Exemptions</b>	An unnecessary exemption for small producers is included but considered minor. Other provinces do not include a similar exemption.	Neutral
<b>Performance</b>		
Collection	There are less collection sites required	Worse
Recycling	Targets are consistent with previous performance	Neutral
Promotion and Education	Promotion and education requirements included in the regulation to ensure consumer protection were removed.	Worse
<b>Performance Trend</b>	Performance has remained relatively steady over the duration of the policy.	Neutral
<b>Oversight and Enforcement</b>	RPRA has the ability to conduct audits and take compliance actions if issues are identified.	Better

## 4.7 Pharmaceutical and Sharps Regulation (O.Reg. 298/12)

The pharmaceutical and sharps regulation includes:

- a drug within the meaning of section 2 of the *Food and Drugs Act* (Canada) and includes a natural health product within the meaning of the Natural Health Products Regulations made under that Act, and
- a needle, safety engineered needle, lancet or other similar instrument that is designed to puncture the skin of individuals or companion animals for medical purposes.

### 4.7.1 Performance

The amount of pharmaceuticals and sharps has increased over the last seven years (Figure 23) with growth in the number of pharmacies participating in the program. However, there has been concern about the lack of rigour associated with this regulation and the amount of materials that end up at municipal sites. Municipalities collected 52,500 kg of pharmaceutical waste and 20,000 kg of sharps in 2019 at the taxpayer's expense, despite the existence of a sharps and pharmaceuticals program.<sup>21</sup> Municipal governments have advocated that the existing program should be shifted to a regulation under the *Resource Recovery and Circular Economy Act* to ensure better performance and oversight.

### Did you know?

Home health care waste (e.g., dialysis tubing, urinary bags, and tubing, IV bags, needles and sharps) is a growing area of concern for waste management workers as more people are receiving care at home. In 2019, the Region of Peel reported that processing line stoppages at their recycling facility had increased by 32% since 2016 due to these materials.



Figure 23: Amount of Pharmaceutical and Sharps Collected

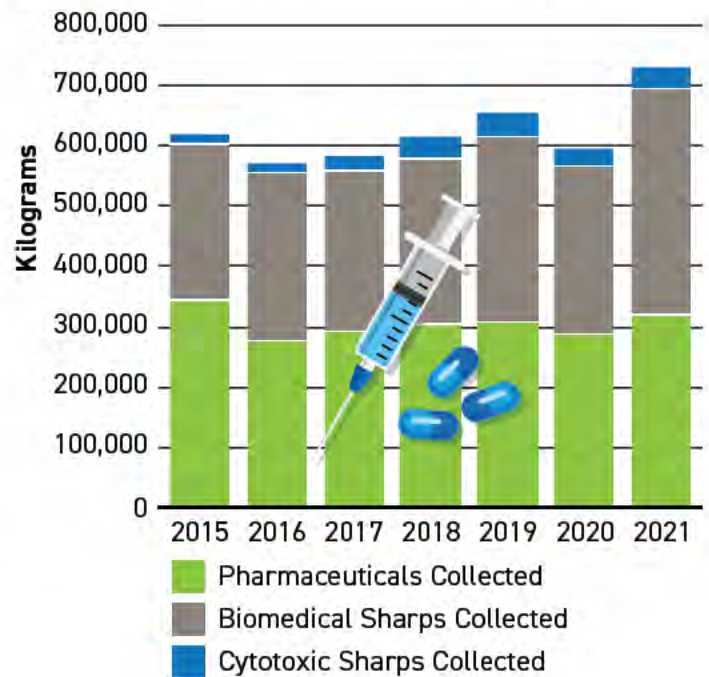
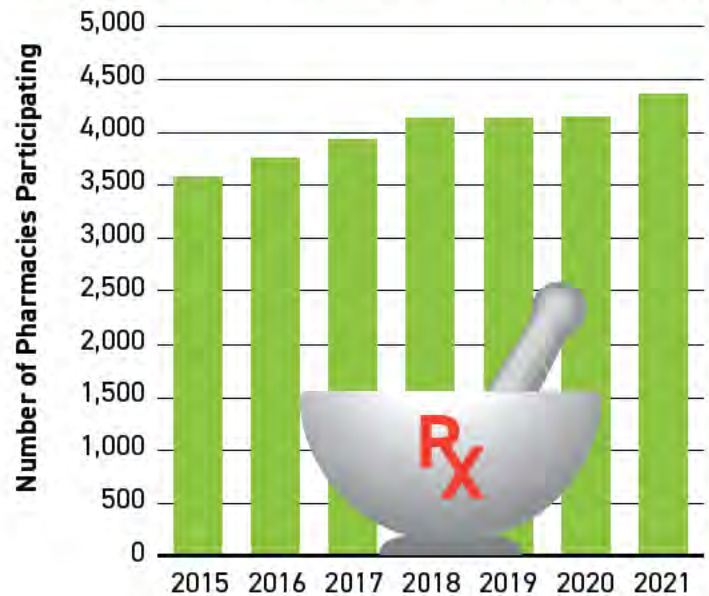


Figure 24 – Number of Ontario Pharmacies Participating



<sup>21</sup> This is about 14% of all pharmaceuticals and 6% of all sharps collected in 2019, including by producers and municipalities collectively. Available at <https://www.amo.on.ca/advocacy/waste-diversion/hazardous-special-products-ie-municipal-hazardous-special-wastehousehold>

## 4.7.2 Issues

The following key issues have been identified with the regulation:

### 1. Performance targets

- a. Municipal facilities continue to be the backstop for collection of these products. Based on data from municipalities, over 14% of all pharmaceuticals and 6% of all sharps are collected by municipal governments at the cost to the property taxpayer.
- b. There are few requirements for collection sites to advertise that they collect pharmaceuticals and sharps.

### 2. Oversight and Enforcement

- a. No dedicated resources and oversight are provided as part of the global Ministry budget.
- b. It is unclear if any actions have been taken on non-compliance as the Ministry does not provide reports. There is no transparency.

### 3. Additional materials

- a. Although established a decade ago, there have been no new materials added despite growing number of individuals receiving medical care at home. Common home health care items such as dialysis waste, catheters, urinary bags and tubing, and colostomy bags should be added.

## 4.7.3 Summary

Table 13 provides a broad assessment of pharmaceutical and sharps regulation as compared to the previous requirements and performance.

**Table 13: Assessment of the Pharmaceutical and Sharps Regulation (O.Reg. 298/12)**

Indicator	Status	Progress
<b>Materials designated</b>	The regulation covers pharmaceutical and sharps but no new materials have been added to since 2014	Neutral
<b>Exemptions</b>	n/a	n/a
<b>Performance</b>		
Collection	Required to meet a minimum of participating pharmacies	Better
Recycling	n/a	n/a
Promotion and Education	No promotion and education requirements	Neutral
<b>Performance Trend</b>	The amount of materials collected has generally increased as has the participating pharmacies	Better
<b>Oversight and Enforcement</b>	Oversight and enforcement by the Ministry lacks transparency	Neutral

## 5.0 Other Potential Material Designations

In 2022, a review was undertaken to explore opportunities associated with designating additional products under extended producer responsibility (EPR) policies in Ontario, with a focus on adding products under existing regulations (for EEE, and HSP) and new designations under new regulations (for carpets, furniture, mattresses, and textiles).

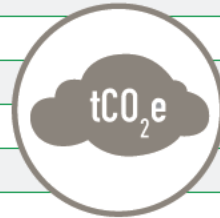
The tables below rank the largest opportunities in terms of additional tonnes diverted, GHG emissions reduced, jobs created, and estimated annual income by designating additional materials under EPR. These are meant to be illustrative. While HSP ranks lowest in all categories, these measurements do not capture all impacts (e.g., toxins, health and safety related issues).



Ranking	Material Categories	Estimated Amount Collected in Ontario under an EPR Approach (Tonnes, per Year)
1	Textiles	155,497
2	Furniture	76,157
3	Carpet	63,203
4	Electrical and Electronic Equipment	16,944
5	Mattresses	12,296
6	Household Hazardous or Special Products	3,594



Ranking	Material Categories	Estimated GHG Emissions Reduced under an EPR Approach (tCO <sub>2</sub> e, per Year)
1	Textiles	1,243,973
2	Furniture	251,319
3	Carpet	167,337
4	Electrical and Electronic Equipment	46,409
5	Mattresses	27,297
6	Household Hazardous or Special Products	1,978



Ranking	Material Categories	Estimated Jobs Related to Diversion Activities, under an EPR Approach (Low Estimate)	Estimated Jobs Related to Diversion Activities, under an EPR Approach (High Estimate)
1	Furniture	1,557	4,211
2	Electrical and Electronic Equipment	1,036	1,036
3	Textiles	423	1,022
4	Carpet	570	758
5	Mattresses	81	141
6	Household Hazardous or Special Products	31	31



Ranking	Material Categories	Estimated Annual Income (Salary Generated) (per Year)
1	Electrical and Electronic Equipment	\$51.0M
2	Textiles	\$50.0M
3	Furniture	\$24.5M
4	Carpet	\$20.4M
5	Mattresses	\$4.0M
6	Household Hazardous or Special Products	\$1.5M



It is important to emphasize EPR policies are not the only policy mechanism that could be used to improve outcomes. Other tools such as mandatory recycled content mandates, disposal bans, disposal levies, and source separation requirements can be successfully implemented either in combination or instead of EPR.

## 6.0 Litter

There has been an increasing focus on waste products and packaging ending up in our oceans, lakes, rivers, and other bodies of water that pose a dire threat to sensitive ecosystems, wildlife, communities, and individuals. This is a growing public health and safety issue as well as an environmental concern. It is of particular concern to municipal governments, which are forced to deal with plastics at the “end of the pipe” as litter in the garbage stream, in recycling programs, or at wastewater treatment facilities. Studies estimate 8 million tonnes of plastics are ending up in our oceans annually.<sup>22</sup> An additional 10,000 tonnes per year are estimated to be entering the Great Lakes.<sup>23</sup> This has profound impacts on marine mammals, fish, and birds. At the same time, microplastics are being found increasingly in our drinking water with uncertain health impacts.

Municipal governments play a key role in helping to address litter through:

- creating and maintaining infrastructure (e.g., collection bins in public spaces, equipment within wastewater facilities, street cleaners),
- dedicating costly resources to collect litter,
- planning and leading community clean-up days (as well as providing resources to community groups on an on-going basis),
- performing litter audits and resulting data analysis,
- providing education and awareness campaigns on the issue,
- enacting bylaws (e.g., fines, requirements related to collection bins), and
- ensuring compliance and enforcement (e.g., bylaw officers and public reporting hotlines).

In 2020, the provincial government enacted legislation to recognize the second Tuesday of every May as the Provincial Day of Action on Litter to raise awareness and encourage action to reduce waste and litter. Within the blue box regulation, it also created requirements for public space recycling. There are no benchmarks currently established to measure the impact of these initiatives on litter. Some municipal governments have done litter composition audits but there is not a consistent approach being taken, which makes comparisons difficult.

### Did you know?

The City of Toronto estimates that litter costs the City approximately \$36 million annually.<sup>24</sup>



<sup>22</sup> J. R. Jambeck et al., Plastic waste inputs from land into the ocean (Science, 13 February 2015).

<sup>23</sup> M. J. Hoffman and E. Hittinger, Inventory and transport of plastic debris in the Laurentian Great Lakes (Marine Pollution Bulletin, Vol 115, 15 February 2017).

<sup>24</sup> City of Toronto. 2019 Budget Report on Solid Waste Management Services.

<https://www.toronto.ca/wp-content/uploads/2017/11/931b-Budget-Notes-SWMS-op-nov17-503p.pdf> (p. 14).

## Recommendations to reduce litter:

1. Enact legislation, regulations, and proper enforcement
  - a. Ensure most commonly littered items are designated under producer responsibility requirements and strengthen requirements related to public spaces
  - b. Strengthen litter and illegal dumping laws especially related to roadside litter
  - c. Review requirements related to waste management vehicles to ensure these vehicles are not contributing to litter
2. Invest in proper data management, research, analysis and innovation
  - a. Better track litter data to ensure progress is being made similar to other jurisdictions like England and Scotland
  - b. Create a litter innovation fund to pilot, implement and evaluate small scale local research projects
  - c. Fund municipal and provincial litter audits
3. Help to educate, train, and encourage collaboration
  - a. Coordinate province-wide messaging and seek partnership opportunities with sponsors to help fund or support municipal clean-up efforts
  - b. Provide information about best practices in addressing litter
  - c. Provide greater recognition to community leaders or community groups, and
  - d. Collaborate or initiate voluntary actions across the Province especially related to problematic litter such as fast-food packaging, cigarette butts, plastic bags, snack wrappers, fast food packaging, drink containers, beverage cups and chewing gum
4. Invest in infrastructure and servicing
  - a. Require businesses such as gas stations and drive-thru restaurants to provide accessible collection bins to reduce roadside litter
  - b. Provide funding to upgrade municipal stormwater and wastewater systems to help reduce the amount of contaminants making their way into lakes and rivers



# 7.0 Conclusion

From border disputes with U.S. Senators to burning tire piles and rising tensions related to the siting of new landfill capacity, managing Ontario's increasing waste generation has been a chronic concern for decades. Current estimates show that Ontario only has 10 years of remaining disposal capacity available. The Provincial government's goal of building 1.5 million new homes will only exacerbate the issues related to disposal capacity. Ensuring sufficient waste disposal resources to accommodate this growth will be crucial. Some of the pressure on finding new disposal capacity can be alleviated by increasing waste diversion efforts and keeping resources in the economy.

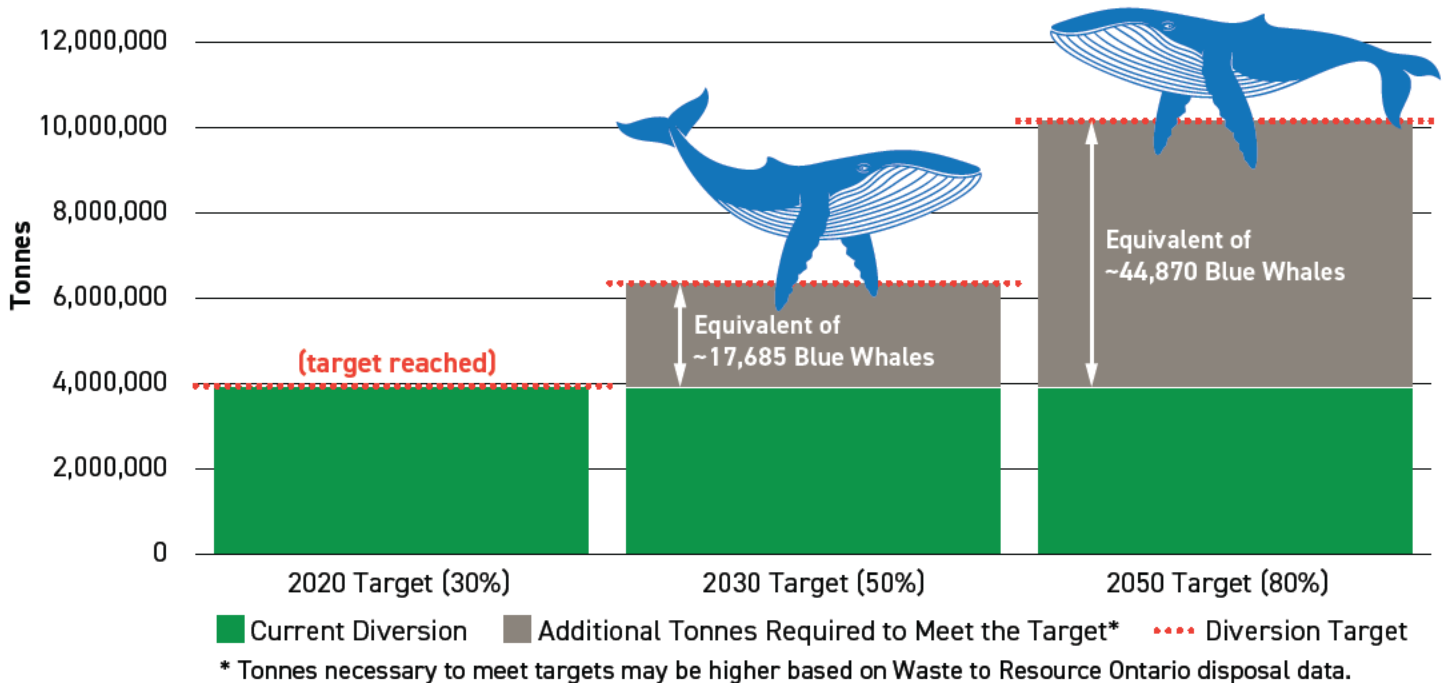
Ontario municipalities understand the importance of transitioning to a circular economy, including the benefit of re-directing resources from disposal and keeping them in the economy. The transition will help conserve resources, reduce greenhouse gas (GHG) emissions

and generate local jobs and investment. However, further provincial and federal policy development is required to support this transition.

The provincial government's efforts to transition existing diversion programs to full producer responsibility and expand diversion of food and organic waste from disposal have helped. Based on the low generation rate, it is estimated that Ontario achieved its goal of 30% waste diversion in 2022. However, in order to reach the provincial government's goal of 50% diversion by 2030 and 80% diversion by 2050, significant new effort and new policies are required.

The Made-in-Ontario Environment Plan updated in late 2020 commits to a number of circular economy policies and initiatives that could enable the provincial government to meet the 50% diversion goal for 2030. However, actions need to be made on these commitments.

**Figure 25: Additional tonnes necessary to meet Ontario's diversion goals**

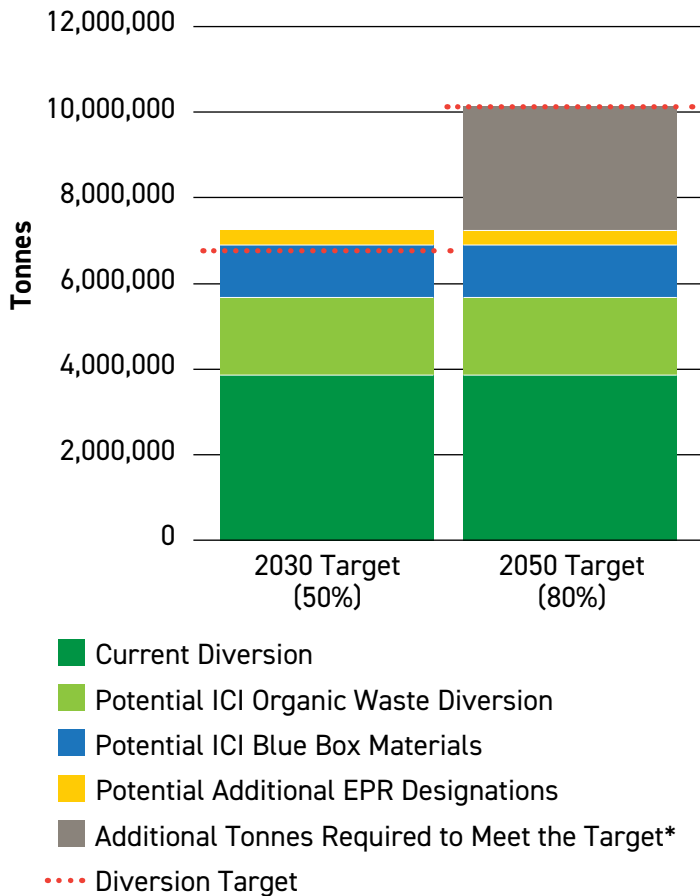


Recommendations to increase diversion:

1. Target regulations to drive ICI waste diversion

Actions taken by the government to date have mainly focused on residential materials, including the Ontario blue box regulation. As this paper identifies, the waste generated by the ICI sector offers a significant opportunity to drive increased diversion (Figure 26). There are various policy mechanisms that could be used to achieve this from a disposal levy (i.e., similar to Quebec, Manitoba and a number of other U.S. States) to expanding producer responsibility requirements to small businesses or at least a larger range of businesses (i.e., similar to Quebec and other U.S. States). A policy for ICI paper and packaging could provide a solution for stranded small businesses who are not eligible for blue box services under the current blue box regulation.

**Figure 26: Potential additional diversion tonnes from new policies.**



\* Tonnes necessary to meet targets may be higher based on Waste to Resource Ontario disposal data.

2. Enhance current EPR regulations and expand material designations

Addressing issues with current EPR regulations could help to improve outcomes and ensure a stronger foundation for new designations, including:

- i) Ensuring performance targets are measurable, and drive meaningful and continual improvement;
- ii) Ensuring designations align with other Canadian jurisdictions;
- iii) Removing unnecessary exemptions, deductions and credits;
- iv) Requiring annual third-party performance audits in all regulations to reduce enforcement costs and ensure a level playing field; and
- v) Establishing clear timelines for new designations with ample lead time to allow for proper planning.

Further, by following through with the provincial government's commitments to designate small appliances, electrical tools, mattresses, carpets, clothing and other textiles, furniture, and other bulky items could provide an additional 327,700 tonnes of diversion per year.

Finally, the province needs better mechanisms to track and analyze waste data. Given the province already requires annual reporting from most waste management facilities, including landfills, it should have a better understanding of how materials are currently being managed. The RPRR Residential Datacall will also no longer be available with the transition of the blue box, which will make it increasingly difficult to accurately measure progress.

Without these actions or other significant steps taken, Ontario will not achieve its goal of 50% diversion by 2030, and given the state of Ontario's landfill capacity, significant new disposal capacity will be needed. Most of the recommended actions are initiatives that the provincial government has previously committed to implementing in the Waste-Free Ontario Strategy and the subsequent Made-in-Ontario Environment Plan.

We urge the government to continue moving forward with policy efforts to advance a circular economy that will improve economic and environmental outcomes for Ontarians.

# Appendix A

Table 14: Data sources

	Parameters/ Entries	How Captured	When Captured	Quality Control
<b>RPRM Municipal Datacall</b>	Information submitted includes tonnage and financial information for blue box material and tonnage managed through all waste diversion activities, including Municipal Hazardous Special Products (HSP), Electrical and Electronic Equipment (EEE), organics, garbage, and other materials.	Survey needs to be completed by all municipal programs participating in the blue box program.  Programs that have transitioned to full producer responsibility no longer report.	Annual (since 2002)  * Programs that have transitioned to full producer responsibility no longer report.	Data accessed by RPRM but certain data entries have greater focus than others.
<b>Stewardship Annual Reports</b>	Information includes on designated materials collected, available for collection and diverted, promotion and education metrics and financials for both designated materials (batteries, tires, EEE, HSP, packaging, pharmaceuticals and sharps) and voluntary (agricultural plastics).	Annual reports completed by producer responsibility organizations	Annual (up to date materials transitioned to RRCEA)	Data accessed by RPRM for all designated materials. Pharmaceutical and sharps accessed by MECP.
<b>RPRM Resource Recovery Reports</b>	Information provided includes amount of designated material supplied, management requirements and performance data for all designated materials under the RRCEA.	Reporting required annually to RPRM.	Annually	Data accessed by RPRM for all designated materials.
<b>Statistics Canada Waste Management Industry Survey</b>	Information included the amount of material by type and by province and territory that is disposed or diverted from residential and ICI sources. It also includes information on financial and employment for both private and public sector entities.	Surveys received from Statistics Canada are mandatory to complete	Biennial	Data accessed by Statistics Canada
<b>CIF Waste Composition Audits</b>	Information has been captured from composition audits of the garbage, recycling and organics streams undertaken from single-family and multi-family homes in various communities across Ontario.	Waste composition audits completed of garbage, recycling and organics stream in participating municipalities	Annually for the last 7 years	Data accessed by CIF
<b>Waste to Resource Ontario</b>	Information was gathered through surveys or public reports from landfills and organic waste processing facilities across Ontario that included general information about operations and the waste received on an annual basis.	Survey	Landfill surveys completed in 2014, 2017, 2018  Organics surveys completed in 2014, 2016, 2018	Data assessed versus other available data and previous years.



**Subject:** RE: Walker South Landfill EAAC Meeting #1 Summary and Supporting Documents  
**Date:** Wednesday, February 12, 2025 at 4:30:05 PM Eastern Standard Time  
**From:** grievea@rogers.com <grievea@rogers.com>  
**To:** zahrah.khan@thorold.ca <zahrah.khan@thorold.ca>, darrin.wills@notl.com <darrin.wills@notl.com>, totoole@niagarafalls.ca <totoole@niagarafalls.ca>, shansen@niagarafalls.ca <shansen@niagarafalls.ca>, Sean.Norman@niagararegion.ca <Sean.Norman@niagararegion.ca>, [REDACTED]  
morgan.casciani@thorold.ca <morgan.casciani@thorold.ca>, Kassie Burns <kassie.burns@notl.com>  
**CC:** Diana Aquino <DAquino@walkerind.com>, Rachel Karaim <RKaraim@walkerind.com>, Shawn Jordan <SJordan@walkerind.com>, Darren Fry <DFry@walkerind.com>, South Landfill Phase 2 <info@southlandfillphase2.com>  
**Attachments:** image001.jpg, EA Advisory Committee - Meeting 1 Presentation.pdf

You don't often get email from [grievea@rogers.com](mailto:grievea@rogers.com). [Learn why this is important](#)

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Apologies folks....I failed to attach the presentation from Meeting #1 for your reference.

Kind regards,  
Anneliese

---

**From:** [grievea@rogers.com](mailto:grievea@rogers.com) <[grievea@rogers.com](mailto:grievea@rogers.com)>  
**Sent:** February 11, 2025 5:02 PM  
**To:** '[zahrah.khan@thorold.ca](mailto:zahrah.khan@thorold.ca)' <[zahrah.khan@thorold.ca](mailto:zahrah.khan@thorold.ca)>; '[darrin.wills@notl.com](mailto:darrin.wills@notl.com)' <[darrin.wills@notl.com](mailto:darrin.wills@notl.com)>; '[totoole@niagarafalls.ca](mailto:totoole@niagarafalls.ca)' <[totoole@niagarafalls.ca](mailto:totoole@niagarafalls.ca)>; '[shansen@niagarafalls.ca](mailto:shansen@niagarafalls.ca)' <[shansen@niagarafalls.ca](mailto:shansen@niagarafalls.ca)>; '[Sean.Norman@niagararegion.ca](mailto:Sean.Norman@niagararegion.ca)' <[Sean.Norman@niagararegion.ca](mailto:Sean.Norman@niagararegion.ca)>; [REDACTED]  
'[morgan.casciani@thorold.ca](mailto:morgan.casciani@thorold.ca)' <[morgan.casciani@thorold.ca](mailto:morgan.casciani@thorold.ca)>  
**Cc:** 'DAquino@walkerind.com' <DAquino@walkerind.com>; 'rkaraim@walkerind.com' <rkaraim@walkerind.com>; 'sjordan@walkerind.com' <sjordan@walkerind.com>; 'dfry@walkerind.com' <dfry@walkerind.com>  
**Subject:** Walker South Landfill EAAC Meeting #1 Summary and Supporting Documents  
**Importance:** High

Hi Everyone,

Thanks for attending the first EAAC Meeting on January 27.  
Attached are the meeting summary and supporting documents requested or discussed at the meeting.  
They include:

- Meeting Summary (draft) – Please review and bring any edits or comments to my attention.
- AMO Ontario Waste & Recycling Report (2023) - this is provided to address Action #2 which was a request for additional information on Ontario's recycling and disposal rates per capita. Page 5, Table 1 of the report provides some simple data. Committee members may be interested in other sections of the report.
- Walker EA Key Decision-Making Milestones & Consultation Timeline - this satisfies Action Item #3.
- Committee Charter - satisfying Action Item #4. Please let me know if you have comments or questions.
- EAAC contact list – please note that this list is to be kept private.

My contact information is listed below and I can provide my CV for anyone who is interested. Please let me know if you have any questions or concerns in advance of the next meeting on March 3. We are trying to have the draft meeting agenda and any materials to you at least a week before.

Kind regards,  
Anneliese



[grievea@rogers.com](mailto:grievea@rogers.com)

416-666-9689

# South Landfill Phase 2 EA

EA Advisory Committee

Meeting No. 1 – January 27, 2025



# Agenda

- Welcome & Introductions
- Presentation: South Landfill Phase 2 & EA Process Overview
- EA Advisory Committee Objectives & Expectations
- Committee Charter Review
- Committee Administrative Items
- Next Meeting Availability
- Other Business & Q&A



# South Landfill Phase 2 EA Project & EA Process Overview

EA Advisory Committee  
Meeting #1 – January 27, 2025



# Walker Overview

Building a sustainable future, **together.**



## Part of the Niagara Community for 136+ Years

- Fifth-generation, Niagara based family-owned company
- 1,200+ employees



## Providing Essential Services & Infrastructure

- Resource Management Campus
- Safely managing Niagara's waste for over 40 years



## Committed to Resource Recovery

- Recovering & repurposing waste into sustainable materials & products



# Walker's Resource Management Campus



## More than a landfill

A dynamic operation that efficiently manages waste and sustainably recovers resources.

### Campus Operations Include:

- A** Residential Drop-off
- B** Niagara Compost Facility
- C** Resource Recovery Area
- D** N-Viro® Biosolids Facility
- E** Aggregates Recycling & Processing Area
- F** Agricultural Rehabilitation
- G** Landfill Gas Utilization Facility
- H** South Landfill



# South Landfill Phase 2

## Planning for the Future

- South Landfill (Phase 1) is nearing capacity
- A need exists for future waste disposal capacity
- Despite recycling & green bin composting efforts, safe disposal is still needed for non-recyclable materials.
- Phase 2 of the South Landfill can provide future capacity while supporting recycling & resource recovery in Niagara





# Project Location

## Key Facility Information



1.1 million tonnes of waste per year



18 million m<sup>3</sup> total capacity



20 years of safe disposal



~ 500 jobs supported

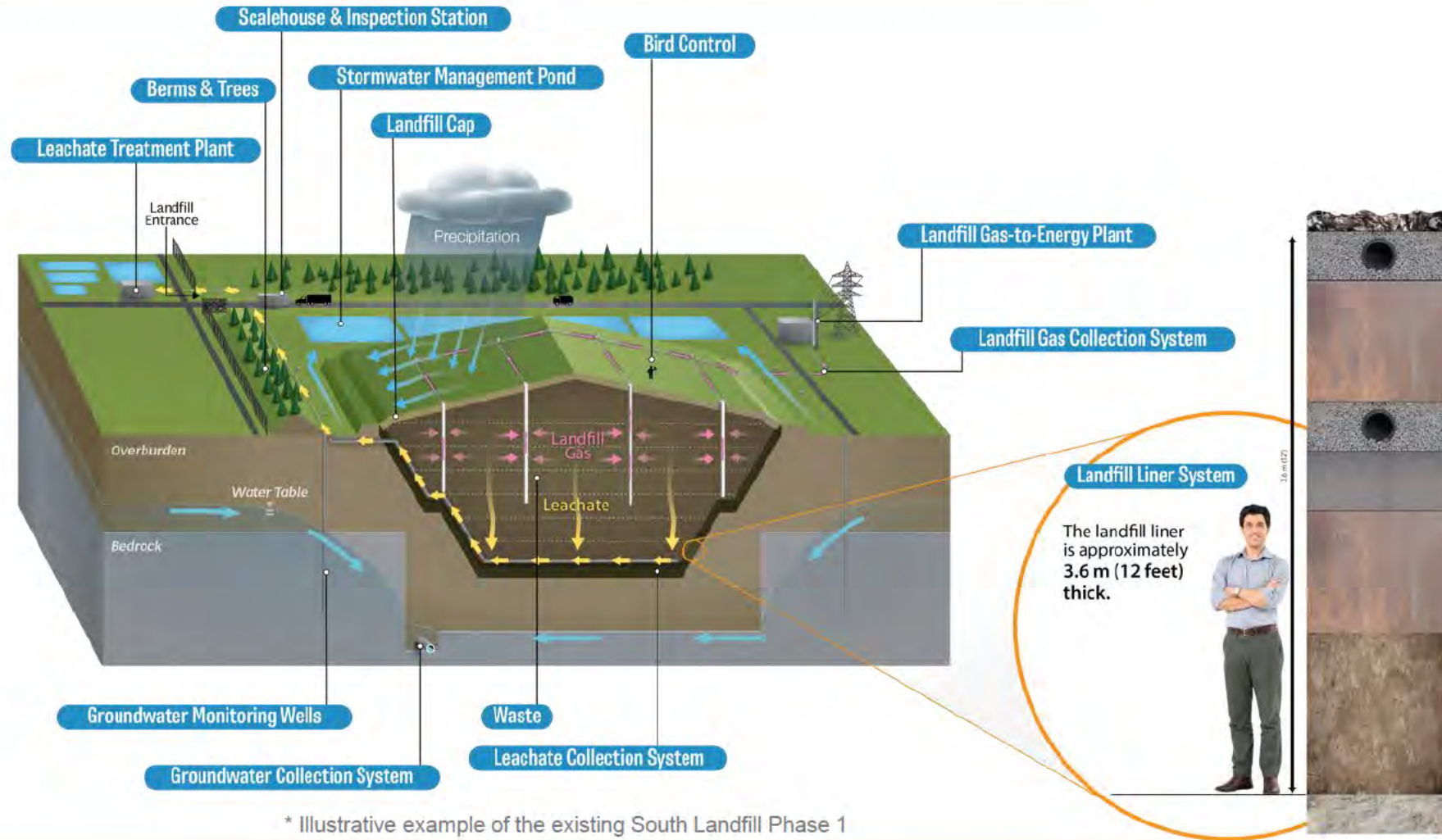


Renewable energy to power the equivalent of 10,000 homes

# Illustrative Example of South Landfill Phase 1

## Key Features

- 12-foot multi-layer liner
- Leachate collection & treatment system
- Landfill gas collection system
- 0.75 m thick final landfill cap



# Ontario's Approval Process

## For Landfills

### Step 1 - Environmental Assessment Act (EA)

- Environmental Impact Assessment
- Planning level process
- Approved by Minister of Environment, Conservation & Parks

### Step 2 - Environmental Protection Act (EPA)

- Environmental Compliance Approvals (ECA)
- EPA (Waste Disposal), OWRA (Water), ARA (End-use), others
- Approved by Directors, MECP

### Step 3 - Local Approvals (Official Plan, etc)

- Official Plan Amendment
- Site Plan Approval
- Approved by Municipal Governments



# Environmental Assessment (EA)

*The Environmental Assessment process ensures that governments and public bodies consider potential environmental effects before an infrastructure project begins.*

*There are 2 key steps/phases to carry out an EA*

## ► Terms of Reference (ToR)

### Scoping Phase:

- Rationale and Need for the Project
- 'Road Map' and Scope of how the EA will be done
- Approved by the Minister (Sept 10<sup>th</sup>, 2024)

## ► Environmental Assessment (EA)

### Study Phase:

1. Evaluation of Alternative Methods (Options Analysis)
2. Preferred Alternative (Facility Design)
3. Technical Studies (Impact Assessment)
4. Mitigation & Final Design
5. Approval required by Minister



# Key Steps in an EA

- 1. Baseline Studies** – description of the existing environment.
- 2. Alternative Methods** - different options/ways of developing the project. (ToR Section 5)
- 3. Preferred Method** - the preferred option/project design.
- 4. Impact Assessment** – modelling and prediction of project impacts.
- 5. Impact Mitigation & Management** - ways to reduce and/or manage negative effects.
- 6. Net Effects** – residual effects (positive/negative) of the project.



# Where are effects studied?

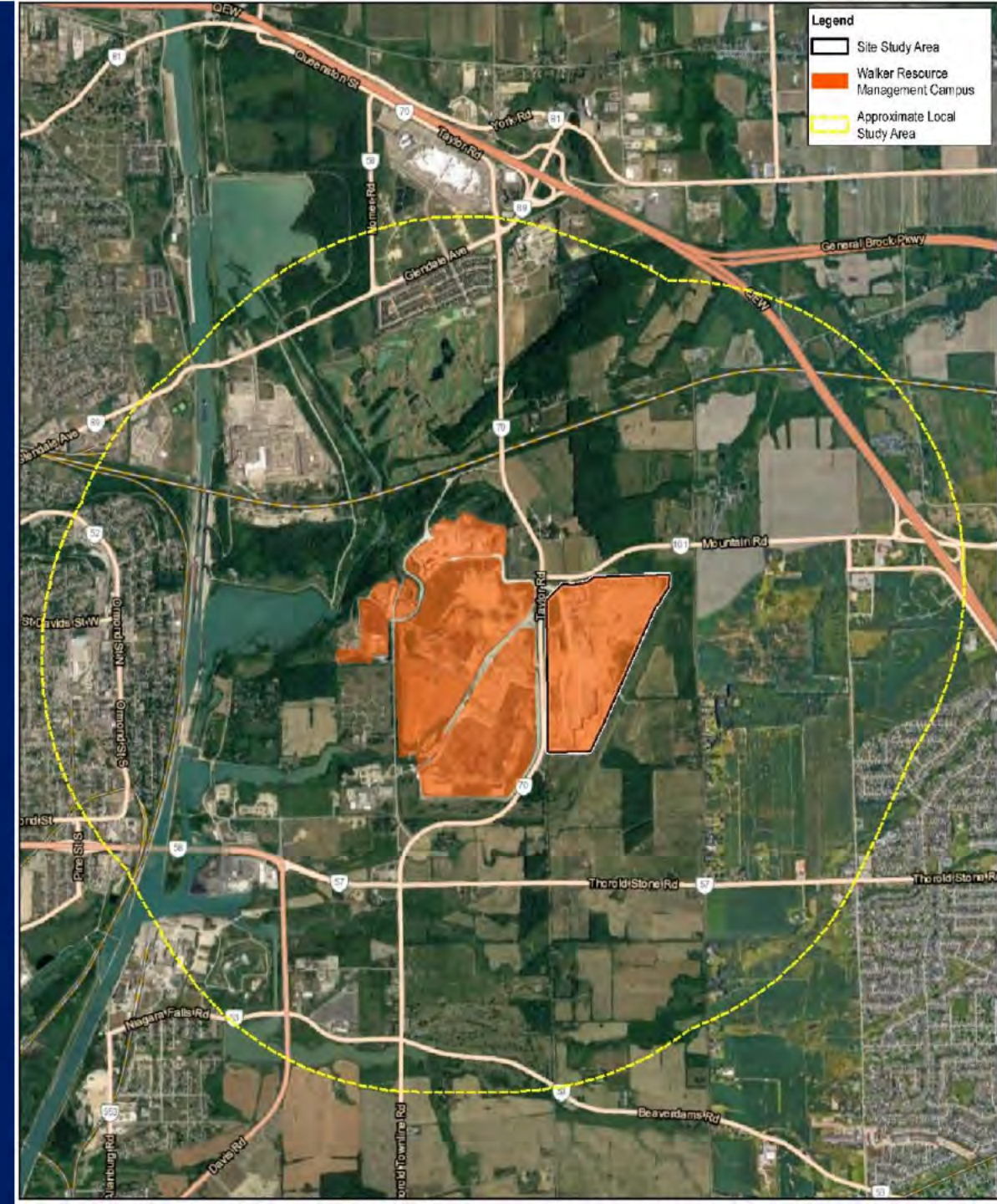
Each technical expert will determine the extent of the study area to properly evaluate the effects of the project.

The study areas will be:

- Site Study Area (SSA)
- Local Study Area (LSA)
- Regional Study Area (RSA)

The study areas will be adjusted (increased/ decreased) depending on the extent of impacts.

By using **common receptor points** the technical experts can compare their study results (i.e., what are the noise, dust and visual impacts at a specific location which could be a residence or local environmental feature). This allows for a Cumulative Effects assessment.



# Technical Studies Being Conducted



**Agriculture**



**Air Quality**



**Archaeology**



**Cultural Heritage**



**Land Use**



**Ecology**



**Economic**



**Noise**



**Social**



**Surface Water &  
Groundwater**



**Traffic**

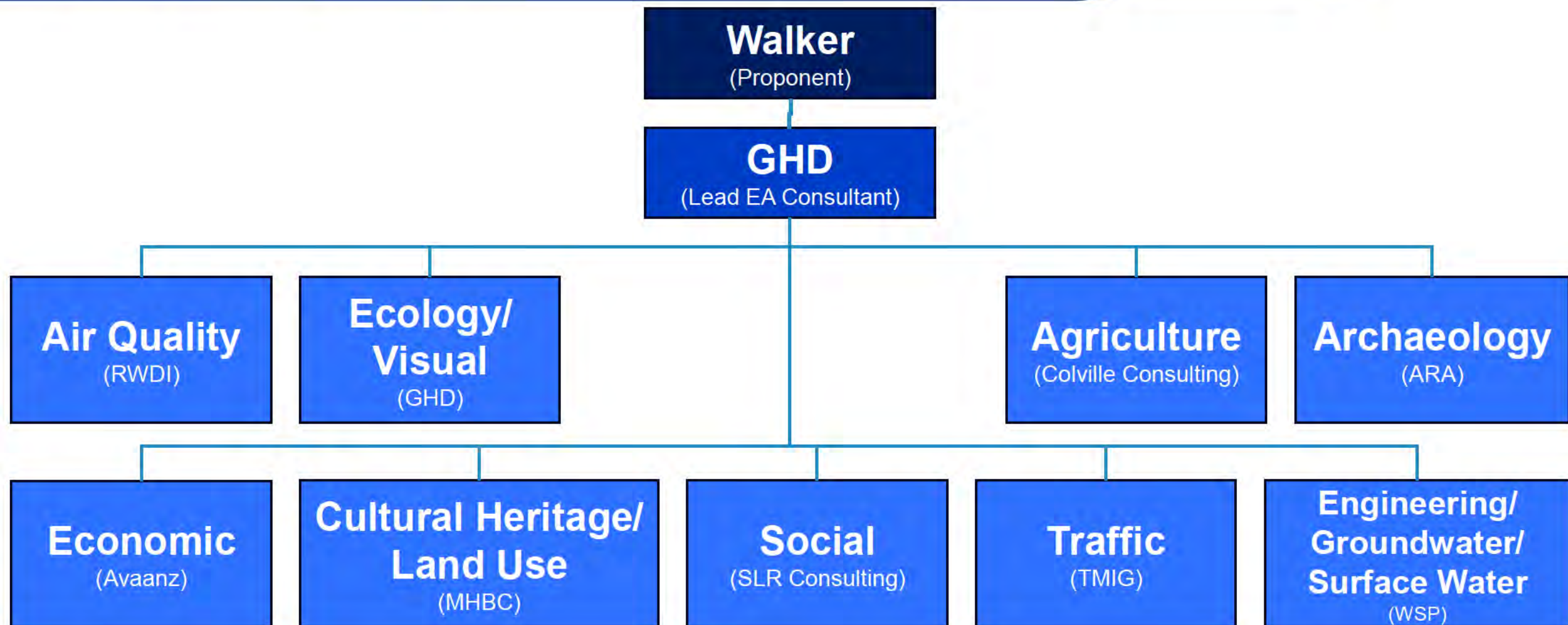


**Visual**



# Technical Disciplines

## South Landfill Phase 2



# Some Things to Consider

- Ask questions
- Become familiar with the Approved Terms of Reference
- Effects / Impacts are not always negative (economic, social, etc.)
- Are there specific studies/topics you are interested in?
- Would you like any experts to present to this group?
- Would you like a tour of South Landfill Phase 1/Campus?



# Communication Methods



## PROJECT WEBSITE

Visit to learn more &  
sign up to receive notifications  
[southlandfillphase2.com](http://southlandfillphase2.com)



## PHONE

Call us at  
1-866-699-9425



## EMAIL

Send us an email at  
[info@southlandfillphase2.com](mailto:info@southlandfillphase2.com)



## EVENTS

Attend public  
information sessions



**Thank you!**



**Subject:** Fw: Walker EA Committee - Hard copies  
**Date:** Tuesday, February 18, 2025 at 3:35:41 PM Eastern Standard Time  
**From:** Darren Fry <DFry@walkerind.com>  
**To:** South Landfill Phase 2 <info@southlandfillphase2.com>  
**Attachments:** imagea41cde.JPG

RoC EAAC

---

**From:** [REDACTED]  
**Sent:** February 18, 2025 3:31 PM  
**To:** Darren Fry <DFry@walkerind.com>  
**Subject:** Re: Walker EA Committee - Hard copies

Thanks Darren 😊

On Tue, Feb 18, 2025, 2:20 p.m. Darren Fry <DFry@walkerind.com> wrote:  
Sounds good - we'll have everything ready for you at our next meeting.

Thanks,  
Darren

---

**From:** [REDACTED]  
**Sent:** February 18, 2025 2:07 PM  
**To:** Darren Fry <DFry@walkerind.com>  
**Cc:** Leticia Koole <LKoole@walkerind.com>  
**Subject:** Re: Walker EA Committee - Hard copies

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Hi Darren,

My address is [REDACTED].. Perhaps this can wait until the next meeting and I can get it from you then? I read the email summary provided. How's that sound?

Thanks for asking. [REDACTED]

On Tue, Feb 18, 2025, 1:54 p.m. Darren Fry <DFry@walkerind.com> wrote:

Hi [REDACTED],

I trust all is well and you're enjoy this beautiful winter we're having.

I know you asked to be provided hard copies of EA Committee materials. Would you like me to drop off hard copies of the meeting summary and associated materials from our last meeting. Happy to do so.

I'll make sure we get you hard copies of meeting #2 agenda materials.

Thanks,  
Darren

**Darren Fry**, A.Sc.T  
Project Director  
Environmental Division

---

T: 905-680-3783  
C: 905-329-4265  
Toll free: 866-694-9360  
[www.walkerind.com](http://www.walkerind.com)



---

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**Subject:** Re: EA Advisory Committee Meeting No. 2  
**Date:** Tuesday, February 25, 2025 at 1:47:17 PM Eastern Standard Time  
**From:** Leticia Koole <LKoole@walkerind.com>  
**To:** Darrin Wills, C.Tech., rcji, mii <Darrin.Wills@notl.com>  
**CC:** Kassie Burns <kassie.burns@notl.com>, South Landfill Phase 2 <info@southlandfillphase2.com>

Hi Darrin,

Thank you for letting me know. I have made note of this.

Leticia

---

**From:** Darrin Wills, C.Tech., rcji, mii <[Darrin.Wills@notl.com](mailto:Darrin.Wills@notl.com)>  
**Date:** Monday, February 24, 2025 at 1:52 PM  
**To:** Leticia Koole <[LKoole@walkerind.com](mailto:LKoole@walkerind.com)>  
**Cc:** Kassie Burns <[kassie.burns@notl.com](mailto:kassie.burns@notl.com)>  
**Subject:** RE: EA Advisory Committee Meeting No. 2

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Hi Leticia,

Please send meeting invites and materials to Kassie Burns for NOTL going forward.

Thank you,

**Darrin Wills, C.Tech., rcji, mii**

**(A) Manager of Public Works**

[Darrin.Wills@notl.com](mailto:Darrin.Wills@notl.com)

Town of Niagara-on-the-Lake  
1593 Four Mile Creek Road  
P.O. Box 100, Virgil, ON L0S 1T0

**Telephone:** (905) 468-3266

**Website:** [www.notl.com](http://www.notl.com)

-----Original Appointment-----

**From:** Leticia Koole <[LKoole@walkerind.com](mailto:LKoole@walkerind.com)>

**Sent:** Monday, February 24, 2025 1:48 PM

**To:** Darren Fry; Shawn Jordan; Anneliese Grieve ([grievea@rogers.com](mailto:grievea@rogers.com)); Rachel Karaim; [REDACTED]  
[REDACTED] '[Sean.Norman@niagararegion.ca](mailto:Sean.Norman@niagararegion.ca)'; Signe Hansen  
<[shansen@niagarafalls.ca](mailto:shansen@niagarafalls.ca)>; Tara Lynn O'Toole; Darrin Wills, C.Tech., rcji, mii;  
[Morgan.Casciani@thorold.ca](mailto:Morgan.Casciani@thorold.ca); Zahrah Khan

**Cc:** South Landfill Phase 2

**Subject:** EA Advisory Committee Meeting No. 2

**When:** Monday, March 3, 2025 5:30 PM-8:00 PM (UTC-05:00) Eastern Time (US & Canada).

**Where:** Club Italia Event Centre (2525 Montrose Rd, Niagara Falls ON, Canada)

**CAUTION:** This email originated from outside the Town of Niagara-on-the-Lake. Use caution when clicking on a link or opening an attachment unless you know that the content is safe. If unsure, forward the email to IT to validate.

Hello all,

The second EA Advisory Committee meeting is scheduled to take place on **Monday, March 3, 2025**. When arriving at the facility please use the side entrance facing Kalar Rd. (Floor Plan attached).

### Meeting Details

**Date:** March 3, 2025

**Time:** 6 pm – 8 pm

**Location:** Club Italia – Marconi Hall, 2525 Montrose Road, Niagara Falls

**Note:** Dinner will be provided at 5:30 pm, prior to the meeting.

If you have any questions, please do not hesitate to contact me ([lkooole@walkerind.com](mailto:lkooole@walkerind.com)).

Thank you,  
Leticia

---

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

**Subject:** Fw: [EXTERNAL]-Walker South Landfill EA Advisory Committee Meeting #2  
**Date:** Monday, March 3, 2025 at 9:32:44 AM Eastern Standard Time  
**From:** Darren Fry <DFry@walkerind.com>  
**To:** South Landfill Phase 2 <info@southlandfillphase2.com>  
**CC:** Leticia Koole <LKoole@walkerind.com>  
**Attachments:** image004.jpg, image001.png

RoC EAAC

---

**From:** Signe Hansen <[shansen@niagarafalls.ca](mailto:shansen@niagarafalls.ca)>  
**Sent:** February 28, 2025 5:07 PM  
**To:** [grievea@rogers.com](mailto:grievea@rogers.com) <[grievea@rogers.com](mailto:grievea@rogers.com)>; Darren Fry <[DFry@walkerind.com](mailto:DFry@walkerind.com)>  
**Cc:** Kira Dolch <[kdolch@niagarafalls.ca](mailto:kdolch@niagarafalls.ca)>; Tara Lynn O'Toole <[totoole@niagarafalls.ca](mailto:totoole@niagarafalls.ca)>  
**Subject:** RE: [EXTERNAL]-Walker South Landfill EA Advisory Committee Meeting #2

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Good afternoon Darren and Anneliese

Thank you for inviting the City to participate on the Walker South Landfill EA Advisory Committee. It was great to attend the first meeting, meet the group and understand the scope of the Committee's responsibilities. I expect the Advisory Committee will be very helpful in advancing the process and consultation effort.

As a review and approval authority for forthcoming applications, the City is not in a position to participate in the review of/provide input to the EA process and associated community outreach, in this forum. Staff are certainly available to respond to any questions of Walker or the Advisory Committee as they arise - please feel to reach out to Tara and/or me in this regard.

I think we also discussed an introductory meeting with your team, which we are certainly available for at your convenience.

Best Regards  
Signe

**Signe Hansen, OALA, CSLA, MBA** | Director of Planning | Planning, Building, & Development | City of Niagara Falls  
Mailing: City Hall | 4310 Queen Street | Niagara Falls, ON L2E 6X5 |  
Office: Wayne Thomson Building | 4343 Morrison Street | (905) 356-7521 ext 4270 | Fax 905-356-2354 | shansen@niagarafalls.ca

Our **new online portal** can be found at: <https://niagarafalls.ca/services/cityview.aspx>

We value and respect flexible work arrangements. Although I have sent this at a time that is convenient for me, it is not my expectation that you read, respond or follow up on this email outside of your work hours.

---

**From:** [grievea@rogers.com](mailto:grievea@rogers.com) <[grievea@rogers.com](mailto:grievea@rogers.com)>  
**Sent:** Tuesday, February 25, 2025 2:44 PM  
**To:** [zahrah.khan@thorold.ca](mailto:zahrah.khan@thorold.ca); Tara Lynn O'Toole <[totoole@niagarafalls.ca](mailto:totoole@niagarafalls.ca)>; Signe Hansen <[shansen@niagarafalls.ca](mailto:shansen@niagarafalls.ca)>; [Sean.Norman@niagararegion.ca](mailto:Sean.Norman@niagararegion.ca); [REDACTED]  
[morgan.casciani@thorold.ca](mailto:morgan.casciani@thorold.ca); Kassie Burns <[kassie.burns@notl.com](mailto:kassie.burns@notl.com)>  
**Cc:** [DAquino@walkerind.com](mailto:DAquino@walkerind.com); [rkaraim@walkerind.com](mailto:rkaraim@walkerind.com); [sjordan@walkerind.com](mailto:sjordan@walkerind.com); Darren Fry <[DFry@walkerind.com](mailto:DFry@walkerind.com)>; 'Leticia Koole' <[LKoole@walkerind.com](mailto:LKoole@walkerind.com)>  
**Subject:** [EXTERNAL]-Walker South Landfill EA Advisory Committee Meeting #2  
**Importance:** High

Hi Everyone,

Attached please find the agenda for the second EA Advisory Committee Meeting on March 3. I believe you have all received the electronic invite from Leticia; if you have not please let me know. Please let me know if you have any questions or comments about the agenda.

There are no materials to review in advance of this meeting.

As per my Feb 11 email, please let me know if you have any comments or questions about the committee charter or the summary of the first meeting. These were attached to the Feb 11 email.

I look forward to meeting everyone in person Monday night!

Kind regards,  
Anneliese



[grievea@rogers.com](mailto:grievea@rogers.com)  
416-666-9689

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# EA Advisory Committee

South Landfill Phase 2 EA

---

## Agenda – Meeting #2

**Date:** March 3<sup>rd</sup>, 2025

**Time:** 6:00 pm – 8:00 pm (dinner at 5:30 pm)

**Location:** Club Italia (Marconi Room), Niagara Falls, ON

	Agenda Item	Duration
1	Welcome & Introductions	5 min
2	Agenda Review	5 min
3	Meeting #1 Summary & Action Item Review	15 min
4	Committee Charter Review & Acceptance	10 min
5	Presentation & Discussion – Alternative Methods Including a review of: <ul style="list-style-type: none"><li>• Existing Conditions (Draft)</li><li>• EA Study Areas</li><li>• Criteria &amp; Indicators</li></ul>	45 min
6	Upcoming Public Event Review – March 18 <sup>th</sup>	15 min
7	Next Meeting	5 min
8	Other Business & Q&A	10 min

**Subject:** FW: Walker South Landfill EA Advisory Committee Meeting #2  
**Date:** Thursday, March 20, 2025 at 1:03:57 PM Eastern Daylight Saving Time  
**From:** Leticia Koole <LKoole@walkerind.com>  
**To:** South Landfill Phase 2 <info@southlandfillphase2.com>  
**Attachments:** image001.jpg, 1204 SLF Phase II Map(Mar2025) - Small R.pdf, EA AC - Meeting 2 - Summary Final.docx

---

**From:** [grievea@rogers.com](mailto:grievea@rogers.com) <[grievea@rogers.com](mailto:grievea@rogers.com)>

**Date:** Thursday, March 20, 2025 at 12:54 PM

**To:** [zahrah.khan@thorold.ca](mailto:zahrah.khan@thorold.ca) <[zahrah.khan@thorold.ca](mailto:zahrah.khan@thorold.ca)>, [totoole@niagarafalls.ca](mailto:totoole@niagarafalls.ca) <[totoole@niagarafalls.ca](mailto:totoole@niagarafalls.ca)>, [shansen@niagarafalls.ca](mailto:shansen@niagarafalls.ca) <[shansen@niagarafalls.ca](mailto:shansen@niagarafalls.ca)>, [Sean.Norman@niagararegion.ca](mailto:Sean.Norman@niagararegion.ca) <[Sean.Norman@niagararegion.ca](mailto:Sean.Norman@niagararegion.ca)>,  
[REDACTED], [morgan.casciani@thorold.ca](mailto:morgan.casciani@thorold.ca) <[morgan.casciani@thorold.ca](mailto:morgan.casciani@thorold.ca)>,  
Kassie Burns <[kassie.burns@notl.com](mailto:kassie.burns@notl.com)>

**Cc:** Diana Aquino <[DAquino@walkerind.com](mailto:DAquino@walkerind.com)>, Rachel Karaim <[RKaraim@walkerind.com](mailto:RKaraim@walkerind.com)>, Shawn Jordan <[SJordan@walkerind.com](mailto:SJordan@walkerind.com)>, Darren Fry <[DFry@walkerind.com](mailto:DFry@walkerind.com)>, Leticia Koole <[LKoole@walkerind.com](mailto:LKoole@walkerind.com)>

**Subject:** Walker South Landfill EA Advisory Committee Meeting #2

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Hi Everyone,

Please find attached the summary of the second EAAC meeting. Also attached are the map of Walker properties as requested during the meeting.

[REDACTED] can you please send me the phone number you would like included on the contact sheet.

Here is the link to the Existing Conditions Reports (Action Item #3)

<https://southlandfillphase2.com/ea-existing-conditions>

## [Existing Conditions - Walker South Landfill Phase 2](#)

To ensure South Landfill Phase 2 can be developed safely, existing environmental conditions are being studied to understand what changes could be expected.

[southlandfillphase2.com](https://southlandfillphase2.com)

Kind regards,

Anneliese



[grievea@rogers.com](mailto:grievea@rogers.com)

416-666-9689

# Walker South Landfill Phase 2 EA Advisory Committee

Meeting Summary No. 2

## Meeting No. 2 – March 3, 2025

**Date:** March 3, 2025

**Time:** 6:00 pm – 8:00 pm

**Location:** Club Italia, Niagara Falls & Virtual (MS Teams)

---

### Materials

- Agenda
- Presentation – Alternative Methods
- Committee Charter
- Evaluation Criteria & Indicators Table

### Meeting Objective

The purpose of this meeting was to finalize and agree to the Committee Charter, discuss and gather feedback on the Alternative Methods, discuss the upcoming public event, and review next steps in the EA process.

### Discussion Topics

#### 1. Introductions

The Facilitator welcomed committee members and noted the objectives for the meeting. The Committee was reminded that the municipal representatives are attending as observers, and Walker is consulting with the Municipalities directly. It was noted that the City of Niagara Falls would no longer be participating in the Committee.

#### 2. Meeting #1 Summary and Action Item Review

The Committee accepted the Draft Meeting #1 Summary as presented.

The committee reviewed the Action Items from Meeting #1. No additional questions or comments were raised; all members were satisfied with the information provided.

A Committee member inquired how tariffs might impact waste sent to Michigan. Walker advised that 30% of Ontario's waste (3 million tonnes/yr) are exported to Michigan and that previous legal rulings determined that current tariffs do not apply to waste. However, the situation is rapidly evolving.

Walker was asked if it could prolong the lifespan of the next landfill through increased recycling habits and if Walker is part of the circular economy. Walker noted it is an active participant in the circular economy; it converts all of Niagara Region's foodwaste into compost (and is the largest food waste composter in Ontario) and also supports the Region of Halton's blue bin program.

### 3. Committee Charter Review & Acceptance

The committee reviewed the Committee Charter and all members agreed to accept and abide by the Charter.

### 4. Presentation: Alternative Methods

Walker presented key information that will be made publicly available at the Public Information Session on Mar. 18 and virtual session from Mar. 6 to the 21<sup>st</sup>. The presentation covered the Existing Conditions, the Study Area, Evaluation Criteria & Indicators, and Alternative Methods. The following key discussion points occurred:

- The Public Information Session will have a virtual component available online for 2 weeks.
- A committee member noted that the Public Information Session details were shared with the Niagara-on-the-Green Facebook group.
- An inquiry was made if the Facilitator is a Walker employee. The Facilitator advised that she is a third-party, independent facilitator and not a Walker employee. She noted her role which is to ensure agendas and action items are managed, everyone's voice is heard, and decisions are made fairly. She noted she is also qualified to provide guidance to the committee on EA process.
- A question was asked about what is considered "noise". Walker noted there are guidelines, which are a set of rules and/or regulations that identify the levels and types of noises that are allowed during certain hours. Background noise levels are monitored then compared to the predicted noise levels from the project to determine if limits are exceeded and mitigation is required. Walker noted the collection of background noise is still underway and offered to have the consultants obtain samples at specific properties.
- An inquiry was made about questions that arise from the Public Information Session and if they will be presented to the EA Advisory Committee. Walker noted that a summary of input received at the Public Information Session will be prepared and this can be shared with the EA Advisory Committee. **Action: Walker to share the public event summary at the next committee meeting.**
- Discussion took place around alternative locations (also known as 'Alternative To'). Walker noted that during the development of the ToR, Walker assessed Alternative To the project. The assessment, which was approved by the Minister, can be found in Section 3 of the ToR and also in Supporting Document #1. Walker agreed to adjust the boards for the Public Information Session to illustrate why certain things (i.e. incineration) were no longer being evaluated.
- A committee member suggested it would be helpful to identify how best practices are being considered and where they are incorporated into the design. Walker agreed and noted its food waste recovery/composting program and its Renewable Natural Gas project as examples of best practices.
- A committee member noted that the current visual screening berm (east of Ten Mile Creek) is not providing the visual coverage it was intended to provide. Some trucks when tipping are still visible from specific receptors east of the existing operation. This should be fully considered (visual impacts) when evaluating the proposed landfill configuration options.

- Discussion around Leachate Management occurred and it was identified that additional information was needed to lead into the Leachate Management Options such as; what to consider, and the criteria and indicators used to evaluate the options.

## 5. Upcoming Public Information Session Review – March 18, 2025

- A virtual component of the public information session will be live on the project website from March 6 – March 21. Copies of the boards and links to reports will be available. Comments can be provided online.
- An in-person public information sessions (Open House format) will take place at Club Italia, Niagara Falls from 5 pm – 8 pm.
- Four (4) of Walker’s technical consultants will be attending: water, agricultural, ecology, and air quality. These are areas where the public has expressed the most interest.
- The committee agreed and encouraged citizen committee members to attend the event representing themselves as committee members (with a name tag). Several Committee members noted they would like to attend the Event.

## Committee Discussion, Feedback & Action Items

- Discussion took place around existing conditions and a request for links to the reports be distributed to the Committee.  
**Action: Walker to provide links to the existing conditions report and studies.**
- A request was made to have a map of Walker owned properties suggesting it would be good information for the public to know as it relates to operations and buffers. **Action: Walker to make available a map of Walker-owned properties.**
- Discussion took place around odours; what is the source, what Walker does to prevent them and how complaints are addressed. The context of the discussion was that the sharing of information, open communication and timely response is important in resolving the issue and building trust with the community. It was noted that the Walker fridge magnet with the toll-free number was a helpful tool in engaging the community.

## Closing Remarks

It was noted the next Committee meeting will take place in mid-May. The main purpose of this meeting will be to discuss the Preferred Alternative, why it is recommended, gather feedback and tour Walker’s Campus operations.

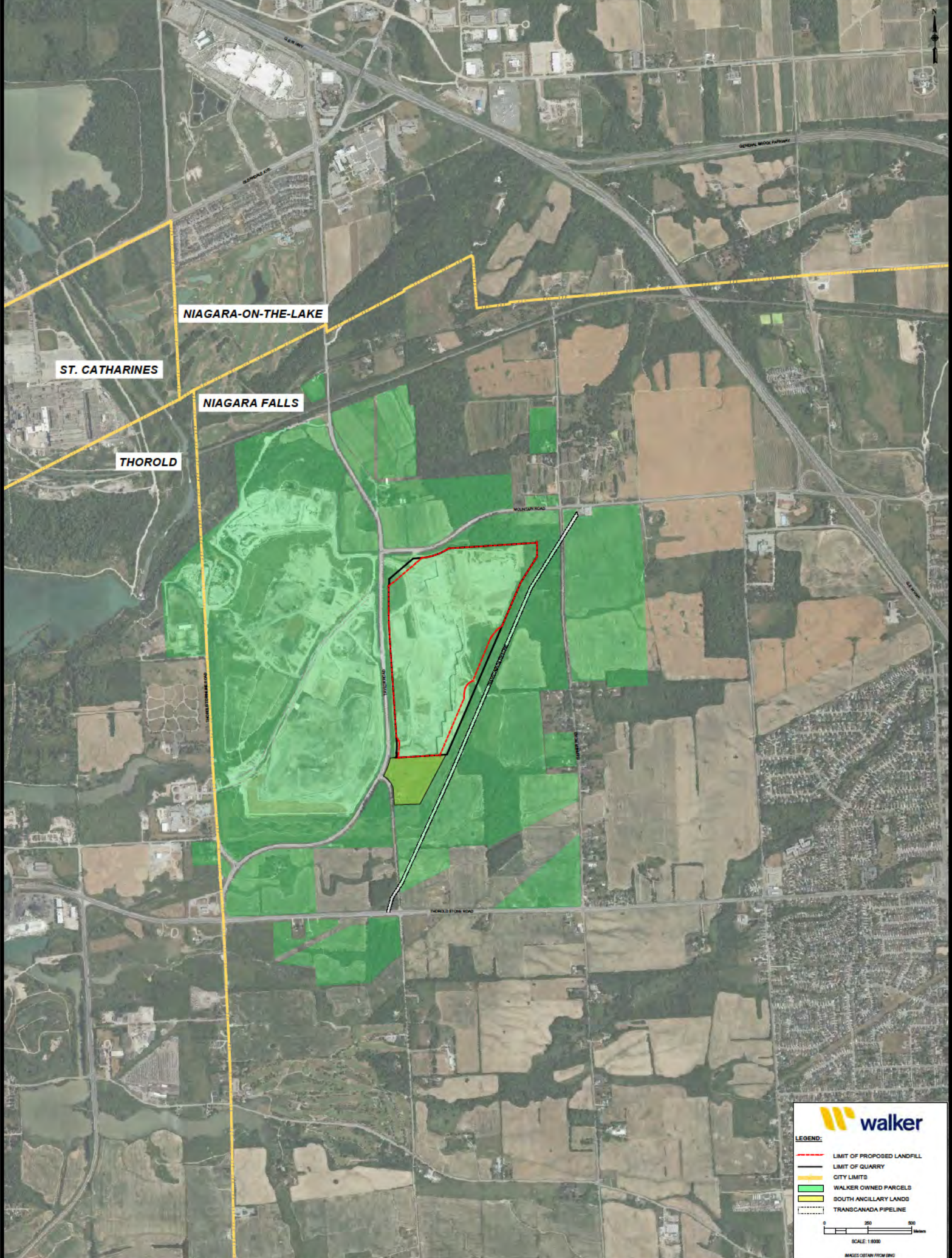
The annual Neighbour Appreciation Day is on Saturday, June 7. The event will include a BBQ, tours, activities for kids, falconry, and more.

## Summary of Action Items from EAAC Meeting #1

TASK	LEAD	STATUS
1	Facilitator to provide contact information to Committee members.	AG Complete
2	Walker to provide additional information on waste disposal and waste diversion per capita.	DF Complete
3	Walker committed to providing additional detail on anticipated dates/periods for key project milestones.	DF Complete
4	Walker to provide a copy of the Committee Charter.	DF Complete
5	Walker to provide an EA Advisory Committee Contact sheet.	DF Complete
6	Set a series of meeting dates at the next Committee meeting.	AG Complete

## Summary of Action Items from EAAC Meeting #2

TASK	LEAD	STATUS
1	Update EA Advisory Committee Contact List.	AG New
2	Walker to add an agenda item to next meeting - Summary of feedback from Public Information Session #1.	DF New
3	Provide the EA Advisory Committee links to the studies	AG New
4	Walker to make available a map of walker owned properties.	DF New
5	Walker to adjust the Public Information Session boards to incorporate feedback from the committee: <ul style="list-style-type: none"> <li>• Alternative locations</li> <li>• Add 'masl' to the Landfill Site Configurations</li> <li>• Use both m<sup>3</sup> and acres or hectares</li> </ul>	DF New
6	Add South Landfill Configuration information to the Landfill Configuration Summary slide	DF New
7	Send out a Meeting Poll for Campus Tour Date/Time.	AG New



ST. CATHARINES

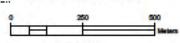
NIAGARA-ON-THE-LAKE

NIAGARA FALLS

THOROLD



- LEGEND:**
- LIMIT OF PROPOSED LANDFILL
  - LIMIT OF QUARRY
  - CITY LIMITS
  - WALKER OWNED PARCELS
  - SOUTH ANCILLARY LANDS
  - TRANSCANADA PIPELINE



SCALE: 1:5000

MARKERS OBTAIN FROM BING

**Subject:** Automatic reply: EA Advisory Committee Meeting #3 - South Landfill Phase 2 EA  
**Date:** Friday, May 16, 2025 at 10:09:43 AM Eastern Daylight Saving Time  
**From:** Zahrah Khan <Zahrah.Khan@thorold.ca>  
**To:** South Landfill Phase 2 <info@southlandfillphase2.com>

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Hello,

Please note Zahrah Khan is no longer with the City of Thorold. For assistance or inquiries regarding Planning, please contact [Planning@thorold.ca](mailto:Planning@thorold.ca).

Thank you.

**Subject:** FW: EA Advisory Committee Meeting #3 - South Landfill Phase 2 EA  
**Date:** Friday, December 19, 2025 at 9:27:55 AM Eastern Standard Time  
**From:** Leticia Koole <LKoole@walkerind.com>  
**To:** South Landfill Phase 2 <southlandfillphase2@walkerind.com>

---

**From:** Norman, Sean <[Sean.Norman@niagararegion.ca](mailto:Sean.Norman@niagararegion.ca)>  
**Date:** Friday, May 16, 2025 at 10:19 AM  
**To:** Leticia Koole <[LKoole@walkerind.com](mailto:LKoole@walkerind.com)>, Darren Fry <[DFry@walkerind.com](mailto:DFry@walkerind.com)>  
**Subject:** RE: EA Advisory Committee Meeting #3 - South Landfill Phase 2 EA

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Hi Leticia and Darren,

I am planning to attend on the 9<sup>th</sup>. The timing works for me.

Regards,  
**Sean Norman, PMP, MCIP, RPP**  
Senior Planner  
Office of the Deputy CAO, Niagara Region

Office: 905-980-6000 ext. 3179  
Toll-free: 1-800-263-7215  
[niagararegion.ca](http://niagararegion.ca)

---

**From:** South Landfill Phase 2 <[info@southlandfillphase2.com](mailto:info@southlandfillphase2.com)>  
**Sent:** Friday, May 16, 2025 10:09 AM  
**To:** [REDACTED]

Norman, Sean <[Sean.Norman@niagararegion.ca](mailto:Sean.Norman@niagararegion.ca)>; Kassie Burns <[kassie.burns@notl.com](mailto:kassie.burns@notl.com)>;  
Morgan Casciani <[morgan.casciani@thorold.ca](mailto:morgan.casciani@thorold.ca)>; Zahrah Khan <[zahrah.khan@thorold.ca](mailto:zahrah.khan@thorold.ca)>  
**Cc:** Darren Fry <[DFry@walkerind.com](mailto:DFry@walkerind.com)>; Anneliese Grieve ([grievea@rogers.com](mailto:grievea@rogers.com))  
<[grievea@rogers.com](mailto:grievea@rogers.com)>; South Landfill Phase 2 <[info@southlandfillphase2.com](mailto:info@southlandfillphase2.com)>; Leticia Koole  
<[LKoole@walkerind.com](mailto:LKoole@walkerind.com)>; Shawn Jordan <[SJordan@walkerind.com](mailto:SJordan@walkerind.com)>; Rachel Karaim  
<[RKaraim@walkerind.com](mailto:RKaraim@walkerind.com)>  
**Subject:** EA Advisory Committee Meeting #3 - South Landfill Phase 2 EA

---

**Niagara Region  
Security Warning:**

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Hello all,

We are looking to schedule the next EA Advisory Committee meeting on **Monday, June 9, 2025**, to discuss the Preferred Alternative. Based on the previous meeting, there was interest in a proposed landfill site tour prior to the start of the next meeting.

To accommodate a proposed landfill site tour, we are recommending to meet earlier:

- Meet at Club Italia at **4 pm** for a **Site Tour**
- Return to Club Italia at **5 pm** for **dinner & meeting**.

**Would this timing work for a tour for the group?** If the earlier start time does not work, we will look to hold the meeting at 6 pm and discuss tour date options during that time.

We would also like to invite you to join us at our upcoming Neighbour Appreciation Day taking place on Saturday, June 7, 2025. Drop-in anytime between 11 am – 2 pm to enjoy free food, touch a truck, tours, birds of prey, face painting, and more! Attendees can also take home local flowers and a bag of soil

while quantities last. We hope to see you there!

Have a great long weekend!

Thank you,  
Leticia

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**Subject:** FW: EA Advisory Committee Meeting #3 - South Landfill Phase 2 EA  
**Date:** Friday, May 16, 2025 at 10:34:00 AM Eastern Daylight Saving Time  
**From:** Leticia Koole <LKoole@walkerind.com>  
**To:** South Landfill Phase 2 <info@southlandfillphase2.com>

---

**From:** Leticia Koole <[LKoole@walkerind.com](mailto:LKoole@walkerind.com)>  
**Date:** Friday, May 16, 2025 at 10:33 AM  
**To:** Norman, Sean <[Sean.Norman@niagararegion.ca](mailto:Sean.Norman@niagararegion.ca)>, Darren Fry <[DFry@walkerind.com](mailto:DFry@walkerind.com)>  
**Subject:** Re: EA Advisory Committee Meeting #3 - South Landfill Phase 2 EA

Hi Sean,

Thank you for confirming!

Have a great weekend.

Leticia

---

**From:** Norman, Sean <[Sean.Norman@niagararegion.ca](mailto:Sean.Norman@niagararegion.ca)>  
**Date:** Friday, May 16, 2025 at 10:19 AM  
**To:** Leticia Koole <[LKoole@walkerind.com](mailto:LKoole@walkerind.com)>, Darren Fry <[DFry@walkerind.com](mailto:DFry@walkerind.com)>  
**Subject:** RE: EA Advisory Committee Meeting #3 - South Landfill Phase 2 EA

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Regards,  
**Sean Norman, PMP, MCIP, RPP**  
Senior Planner  
Office of the Deputy CAO, Niagara Region

Office: 905-980-6000 ext. 3179  
Toll-free: 1-800-263-7215  
[niagararegion.ca](http://niagararegion.ca)

**From:** South Landfill Phase 2 <[info@southlandfillphase2.com](mailto:info@southlandfillphase2.com)>

**Sent:** Friday, May 16, 2025 10:09 AM

**To:**

[REDACTED] Norman, Sean  
<[Sean.Norman@niagararegion.ca](mailto:Sean.Norman@niagararegion.ca)>; Kassie Burns <[kassie.burns@notl.com](mailto:kassie.burns@notl.com)>; Morgan Casciani  
<[morgan.casciani@thorold.ca](mailto:morgan.casciani@thorold.ca)>; Zahrah Khan <[zahrah.khan@thorold.ca](mailto:zahrah.khan@thorold.ca)>  
**Cc:** Darren Fry <[DFry@walkerind.com](mailto:DFry@walkerind.com)>; Anneliese Grieve ([grievea@rogers.com](mailto:grievea@rogers.com)) <[grievea@rogers.com](mailto:grievea@rogers.com)>;  
South Landfill Phase 2 <[info@southlandfillphase2.com](mailto:info@southlandfillphase2.com)>; Leticia Koole <[LKoole@walkerind.com](mailto:LKoole@walkerind.com)>; Shawn  
Jordan <[SJordan@walkerind.com](mailto:SJordan@walkerind.com)>; Rachel Karaim <[RKaraim@walkerind.com](mailto:RKaraim@walkerind.com)>  
**Subject:** EA Advisory Committee Meeting #3 - South Landfill Phase 2 EA

**Niagara Region  
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Hello all,

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while quantities last. We hope to see you there!

Have a great long weekend!

Thank you,  
Leticia

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**Subject:** Re: Re: EA Advisory Committee Meeting #3 - South Landfill Phase 2 EA  
**Date:** Friday, May 16, 2025 at 1:40:19 PM Eastern Daylight Saving Time  
**From:** Leticia Koole <LKoole@walkerind.com>  
**To:** [REDACTED]  
**CC:** South Landfill Phase 2 <info@southlandfillphase2.com>  
**Attachments:** Walker Niagara Neighbour Appreciation Day.jpg

Right! A jpg version is attached.

Thanks again,  
Leticia

---

**From:** [REDACTED]  
**Date:** Friday, May 16, 2025 at 12:15 PM  
**To:** Leticia Koole <[LKoole@walkerind.com](mailto:LKoole@walkerind.com)>  
**Cc:** South Landfill Phase 2 <[info@southlandfillphase2.com](mailto:info@southlandfillphase2.com)>  
**Subject:** Re: Re: EA Advisory Committee Meeting #3 - South Landfill Phase 2 EA

Thanks, Leticia. Is there a JPG version of this invite. I can't post .PDF files to Facebook.  
Thanks.

[REDACTED]

----- Original Message -----

From: [LKoole@walkerind.com](mailto:LKoole@walkerind.com)  
To: [REDACTED] Cc: [info@southlandfillphase2.com](mailto:info@southlandfillphase2.com)  
Sent: Friday, May 16th 2025, 12:11 PM  
Subject: Re: EA Advisory Committee Meeting #3 - South Landfill Phase 2 EA

Hi [REDACTED],

Thank you for confirming and it would be great if you could share the Neighbour Appreciation BBQ invite attached.

Thank you,  
Leticia

Walker's 2024 Sustainability Report is now available! Click [here](#) to learn more about how we're building a sustainable future, *together*.

**Leticia Koole**

Project Support Specialist  
Environmental Division

T: 905-680-3782  
C: 905-351-2373  
Toll free: 866-694-9360  
[www.walkerind.com](http://www.walkerind.com)



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**From:** [REDACTED]  
**Date:** Friday, May 16, 2025 at 11:59 AM  
**To:** South Landfill Phase 2 <[info@southlandfillphase2.com](mailto:info@southlandfillphase2.com)>  
**Subject:** Re: EA Advisory Committee Meeting #3 - South Landfill Phase 2 EA

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Hi Leticia. This timing works for me.

If you have a poster or other information for the neighbour appreciation day, please send it along and I will post it on the Niagara on the Green Facebook Group.

[REDACTED]  
Sent from my iPad

On May 16, 2025, at 10:09 AM, South Landfill Phase 2

<[info@southlandfillphase2.com](mailto:info@southlandfillphase2.com)> wrote:

Hello all,

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while quantities last. We hope to see you there!

Have a great long weekend!

Thank you,  
Leticia



Building a sustainable future, **together.**

# Join us at our Niagara Campus Neighbour Appreciation Day!

**Saturday, June 7, 2025**

**2800 Thorold Townline Rd,  
Niagara Falls, ON L2E 6S4**

**Drop-in anytime between  
11:00 am - 2:00 pm**

**Enjoy free food, touch a truck, tours, birds of  
prey, face painting, and more!**

Learn about our quarry, landfill, renewable natural gas and compost facilities. Take home local flowers and a bag of soil while quantities last.



**Subject:** Re: EA Advisory Committee Meeting #3 - South Landfill Phase 2 EA  
**Date:** Tuesday, May 20, 2025 at 1:30:16 PM Eastern Daylight Saving Time  
**From:** South Landfill Phase 2 <info@southlandfillphase2.com>  
**To:** [REDACTED]  
**CC:** South Landfill Phase 2 <info@southlandfillphase2.com>

Hello [REDACTED],

Thank you for confirming.

Leticia

---

**From:** [REDACTED]  
**Date:** Tuesday, May 20, 2025 at 1:10 PM  
**To:** South Landfill Phase 2 <[info@southlandfillphase2.com](mailto:info@southlandfillphase2.com)>  
**Subject:** Re: EA Advisory Committee Meeting #3 - South Landfill Phase 2 EA

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June 9th at 4pm works for me.

On Fri, May 16, 2025 at 10:09 AM South Landfill Phase 2 <[info@southlandfillphase2.com](mailto:info@southlandfillphase2.com)> wrote:

Hello all,

We are looking to schedule the next EA Advisory Committee meeting on **Monday, June 9, 2025**, to discuss the Preferred Alternative. Based on the previous meeting, there was interest in a proposed landfill site tour prior to the start of the next meeting.

To accommodate a proposed landfill site tour, we are recommending to meet earlier:

- Meet at Club Italia at **4 pm** for a **Site Tour**
- Return to Club Italia at **5 pm** for **dinner & meeting**.

**Would this timing work for a tour for the group?** If the earlier start time does not work, we will look to hold the meeting at 6 pm and discuss tour date options during that time.

We would also like to invite you to join us at our upcoming Neighbour Appreciation Day taking place on Saturday, June 7, 2025. Drop-in anytime between 11 am – 2 pm to enjoy free food, touch a truck, tours, birds of prey, face painting, and more! Attendees can also take home local flowers and a bag of soil

while quantities last. We hope to see you there!

Have a great long weekend!

Thank you,  
Leticia

**Subject:** Re: EA Advisory Committee Meeting #3 - South Landfill Phase 2 EA  
**Date:** Friday, May 23, 2025 at 4:00:43 PM Eastern Daylight Saving Time  
**From:** [REDACTED]  
**To:** South Landfill Phase 2 <info@southlandfillphase2.com>

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Thank you  
Sent from my iPhone

On May 23, 2025, at 2:39 PM, South Landfill Phase 2  
<[info@southlandfillphase2.com](mailto:info@southlandfillphase2.com)> wrote:

Hi [REDACTED],

Darren asked that I resend the email below to you.

Have a great weekend!

Leticia

---

**From:** South Landfill Phase 2 <[info@southlandfillphase2.com](mailto:info@southlandfillphase2.com)>

**Date:** Friday, May 16, 2025 at 10:09 AM

**To:** [REDACTED]

'[Sean.Norman@niagararegion.ca](mailto:Sean.Norman@niagararegion.ca)' <[sean.norman@niagararegion.ca](mailto:sean.norman@niagararegion.ca)>, Kassie Burns <[kassie.burns@notl.com](mailto:kassie.burns@notl.com)>, Morgan Casciani <[morgan.casciani@thorold.ca](mailto:morgan.casciani@thorold.ca)>, Zahrah Khan <[zahrah.khan@thorold.ca](mailto:zahrah.khan@thorold.ca)>

**Cc:** Darren Fry <DFry@walkerind.com>, Anneliese Grieve (grievea@rogers.com) <grievea@rogers.com>, South Landfill Phase 2 <info@southlandfillphase2.com>, Leticia Koole <LKoole@walkerind.com>, Shawn Jordan <SJordan@walkerind.com>, Rachel Karaim

<RKaraim@walkerind.com>

**Subject:** EA Advisory Committee Meeting #3 - South Landfill Phase 2 EA

Hello all,

We are looking to schedule the next EA Advisory Committee meeting on **Monday, June 9, 2025**, to discuss the Preferred Alternative. Based on the previous meeting, there was interest in a proposed landfill site tour prior to the start of the next meeting.

To accommodate a proposed landfill site tour, we are recommending to meet earlier:

- Meet at Club Italia at **4 pm** for a **Site Tour**
- Return to Club Italia at **5 pm** for **dinner & meeting**.

**Would this timing work for a tour for the group?** If the earlier start time does not work, we will look to hold the meeting at 6 pm and discuss tour date options during that time.

We would also like to invite you to join us at our upcoming Neighbour Appreciation Day taking place on Saturday, June 7, 2025. Drop-in anytime between 11 am – 2 pm to enjoy free food, touch a truck, tours, birds of prey, face painting, and more! Attendees can also take home local flowers and a bag of soil

while quantities last. We hope to see you there!

Have a great long weekend!

Thank you,  
Leticia

**Subject:** Re: EA Advisory Committee Meeting No. 3 & Tour  
**Date:** Monday, May 26, 2025 at 10:52:32 AM Eastern Daylight Saving Time  
**From:** Leticia Koole <LKoole@walkerind.com>  
**To:** Kassie Burns <kassie.burns@notl.com>  
**CC:** South Landfill Phase 2 <info@southlandfillphase2.com>

Hi Kassie,

Thank you for letting us know. I have it noted that you will not be attending the tour portion.

Have a great day!

Leticia

---

**From:** Kassie Burns <[kassie.burns@notl.com](mailto:kassie.burns@notl.com)>  
**Date:** Monday, May 26, 2025 at 10:36 AM  
**To:** Leticia Koole <[LKoole@walkerind.com](mailto:LKoole@walkerind.com)>  
**Subject:** RE: EA Advisory Committee Meeting No. 3 & Tour

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Good morning Leticia,

I hope you had a wonderful weekend.

I wanted to let you know unfortunately, I will not be able to attend for 4:00 p.m. June 9 but have been lucky to already receive a tour by Darren. I can make it for around 5:00 p.m. for the meeting.

Many thanks,

**Kassie Burns**  
**Climate Change Coordinator**  
[kassie.burns@notl.com](mailto:kassie.burns@notl.com)

Town of Niagara-on-the-Lake  
1593 Four Mile Creek Road  
P.O. Box 100, Virgil, ON L0S 1T0  
**Telephone:** (905) 468-3266  
**Website:** [www.notl.com](http://www.notl.com)

-----Original Appointment-----

**From:** Leticia Koole <[LKoole@walkerind.com](mailto:LKoole@walkerind.com)>

**Sent:** Monday, May 26, 2025 10:31 AM

**To:** Darren Fry; Anneliese Grieve ([grievea@rogers.com](mailto:grievea@rogers.com)); [REDACTED] Kassie Burns; [REDACTED]; [REDACTED] Rachel Karaim; [Sean.Norman@niagararegion.ca](mailto:Sean.Norman@niagararegion.ca); Shawn Jordan; [REDACTED] Zahrah Khan

**Subject:** EA Advisory Committee Meeting No. 3 & Tour

**When:** Monday, June 9, 2025 4:00 PM-8:00 PM (UTC-05:00) Eastern Time (US & Canada).

**Where:** Club Italia Event Centre (2525 Montrose Rd, Niagara Falls ON, Canada)

**CAUTION:** This email originated from outside the Town of Niagara-on-the-Lake. Use caution when clicking on a link or opening an attachment, unless you were expecting it or know that the content is safe. Forward the email to IT to validate.

Hello all,

The third EA Advisory Committee meeting is scheduled to take place on **Monday, June 9, 2025 starting at 4 pm to include a tour**. When arriving at the facility please use the side entrance facing Kalar Rd.

### Meeting Details

**Date:** June 9, 2025

**Time:** 4 pm – 8 pm

**Location:** Club Italia – Marconi Hall, 2525 Montrose Road, Niagara Falls

**Note:**

- The tour will take place at 4 pm starting from Club Italia.
- Dinner will be provided after the tour, prior to the meeting.

If you have any questions, please do not hesitate to contact me ([lkooole@walkerind.com](mailto:lkooole@walkerind.com)).

Thank you,  
Leticia

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[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

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[REDACTED]

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NOTICE: This e-mail message (including all attachments) and any printed, copied, saved or other renditions of it or of any part of its contents is confidential and is intended only for the use of the recipient(s) named above, and may be legally privileged. If the reader of this message is not the intended recipient, you are hereby notified that any review, printing, dissemination, distribution, disclosure, or copying of this communication, or any of its contents, is strictly prohibited. If you have received this communication in error please 'Reply to Sender' immediately and erase and delete this entire e-mail and delete and destroy any printed, copied, saved or other renditions of it immediately.

**Subject:** Re: EA Advisory Committee Meeting No. 3 & Tour  
**Date:** Tuesday, June 3, 2025 at 2:46:00 PM Eastern Daylight Saving Time  
**From:** Leticia Koole <LKoole@walkerind.com>  
**To:** Darren Fry <DFry@walkerind.com>, Anneliese Grieve (grievea@rogers.com) <grievea@rogers.com>, [REDACTED] kassie.burns@notl.com <kassie.burns@notl.com>, [REDACTED] morgan.casciani@thorold.ca <morgan.casciani@thorold.ca>, Rachel Karaim <RKaraim@walkerind.com>, Sean.Norman@niagararegion.ca <Sean.Norman@niagararegion.ca>, Shawn Jordan <SJordan@walkerind.com>, [REDACTED]  
**CC:** South Landfill Phase 2 <info@southlandfillphase2.com>  
**Attachments:** EAAC Meeting No. 3 - Agenda.pdf

Hello all,

In preparation for the committee meeting taking place on Monday, June 9 an agenda has been prepared and is attached.

If you have any questions prior to the meeting, please feel free to contact me ([lkoole@walkerind.com](mailto:lkoole@walkerind.com)).

Thank you,  
Leticia

---

**From:** [LKoole@walkerind.com](mailto:LKoole@walkerind.com)  
**When:** 4:00 PM - 8:00 PM June 9, 2025  
**Subject:** EA Advisory Committee Meeting No. 3 & Tour  
**Location:** Club Italia Event Centre

Hello all,

The third EA Advisory Committee meeting is scheduled to take place on **Monday, June 9, 2025 starting at 4 pm to include a tour**. When arriving at the facility please use the side entrance facing Kalar Rd.

## Meeting Details

**Date:** June 9, 2025  
**Time:** 4 pm – 8 pm  
**Location:** Club Italia – Marconi Hall, 2525 Montrose Road, Niagara Falls  
**Note:**

- The tour will take place at 4 pm starting from Club Italia.
- Dinner will be provided after the tour, prior to the meeting.

If you have any questions, please do not hesitate to contact me ([lkoole@walkerind.com](mailto:lkoole@walkerind.com)).

Thank you,  
Leticia

# EA Advisory Committee

South Landfill Phase 2 EA

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## Agenda – Meeting #3

**Date:** June 9, 2025

**Time:** 4:00 pm – 8:00 pm (Dinner at 5:00 pm)

**Location:** Club Italia (Marconi Room), Niagara Falls, ON

	Agenda Item	Duration
1	Tour of South Landfill Phase 2 Site & Surrounding Area	60 min
2	Dinner	30 min
3	Welcome & Agenda Review	10 min
4	Meeting #2 Summary & Action Item Review	15 min
5	Presentation & Discussion – Comparative Analysis & Recommended Method Including a review of: <ul style="list-style-type: none"><li>• Review of the Comparative Analysis</li><li>• Preferred Landfill Configuration</li><li>• Preferred Leachate Management Option</li></ul>	45 min
6	Next Steps / Detailed Impact Assessment	15 min
7	Upcoming Public Event – June 18, 2025	15 min
8	Next Meeting	5 min
9	Other Business & Q&A	10 min

**Subject:** FW: Walker South Landfill Expansion EA Advisory Committee - Mtg 2 Summary Adoption  
**Date:** Wednesday, June 11, 2025 at 3:31:28 PM Eastern Daylight Saving Time  
**From:** Leticia Koole <LKoole@walkerind.com>  
**To:** South Landfill Phase 2 <info@southlandfillphase2.com>  
**Attachments:** image001.jpg

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**From:** [REDACTED]  
**Date:** Wednesday, June 11, 2025 at 3:26 PM  
**To:** [grievea@rogers.com](mailto:grievea@rogers.com) <[grievea@rogers.com](mailto:grievea@rogers.com)>  
**Cc:** [totoole@niagarafalls.ca](mailto:totoole@niagarafalls.ca) <[totoole@niagarafalls.ca](mailto:totoole@niagarafalls.ca)>, [shansen@niagarafalls.ca](mailto:shansen@niagarafalls.ca) <[shansen@niagarafalls.ca](mailto:shansen@niagarafalls.ca)>, [Sean.Norman@niagararegion.ca](mailto:Sean.Norman@niagararegion.ca) <[Sean.Norman@niagararegion.ca](mailto:Sean.Norman@niagararegion.ca)>, [REDACTED]  
[REDACTED]  
[morgan.casciani@thorold.ca](mailto:morgan.casciani@thorold.ca) <[morgan.casciani@thorold.ca](mailto:morgan.casciani@thorold.ca)>, Kassie Burns <[kassie.burns@notl.com](mailto:kassie.burns@notl.com)>, Rachel Karaim <[RKaraim@walkerind.com](mailto:RKaraim@walkerind.com)>, Shawn Jordan <[SJordan@walkerind.com](mailto:SJordan@walkerind.com)>, Darren Fry <[DFry@walkerind.com](mailto:DFry@walkerind.com)>, Leticia Koole <[LKoole@walkerind.com](mailto:LKoole@walkerind.com)>  
**Subject:** Re: Walker South Landfill Expansion EA Advisory Committee - Mtg 2 Summary Adoption

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Thank you very much!

- [REDACTED]

On Wed, Jun 11, 2025, 3:19 p.m. <[grievea@rogers.com](mailto:grievea@rogers.com)> wrote:

Hi EA Advisory Committee,

Attached is the summary from the second meeting (March 2025). Please review and confirm that you have no edits/errors or comments at your earliest convenience.

Thanks again for a great discussion at our meeting Monday night. The summary for this meeting should be available in the next week or so.

Kind regards,

Anneliese



[grievea@rogers.com](mailto:grievea@rogers.com)

416-666-9689

# Walker South Landfill Phase 2 EA Advisory Committee

Meeting Summary No. 2

## Meeting No. 2 – March 3, 2025

**Date:** March 3, 2025

**Time:** 6:00 pm – 8:00 pm

**Location:** Club Italia, Niagara Falls & Virtual (MS Teams)

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### Materials

- Agenda
- Presentation – Alternative Methods
- Committee Charter
- Evaluation Criteria & Indicators Table

### Meeting Objective

The purpose of this meeting was to finalize and agree to the Committee Charter, discuss and gather feedback on the Alternative Methods, discuss the upcoming public event, and review next steps in the EA process.

### Discussion Topics

#### 1. Introductions

The Facilitator welcomed committee members and noted the objectives for the meeting. The Committee was reminded that the municipal representatives are attending as observers, and Walker is consulting with the Municipalities directly. It was noted that the City of Niagara Falls would no longer be participating in the Committee.

#### 2. Meeting #1 Summary and Action Item Review

The Committee accepted the Draft Meeting #1 Summary as presented.

The committee reviewed the Action Items from Meeting #1. No additional questions or comments were raised; all members were satisfied with the information provided.

A Committee member inquired how tariffs might impact waste sent to Michigan. Walker advised that 30% of Ontario's waste (3 million tonnes/yr) are exported to Michigan and that previous legal rulings determined that current tariffs do not apply to waste. However, the situation is rapidly evolving.

Walker was asked if it could prolong the lifespan of the next landfill through increased recycling habits and if Walker is part of the circular economy. Walker noted it is an active participant in the circular economy; it converts all of Niagara Region's foodwaste into compost (and is the largest food waste composter in Ontario) and also supports the Region of Halton's blue bin program.

### 3. Committee Charter Review & Acceptance

The committee reviewed the Committee Charter and all members agreed to accept and abide by the Charter.

### 4. Presentation: Alternative Methods

Walker presented key information that will be made publicly available at the Public Information Session on Mar. 18 and virtual session from Mar. 6 to the 21<sup>st</sup>. The presentation covered the Existing Conditions, the Study Area, Evaluation Criteria & Indicators, and Alternative Methods. The following key discussion points occurred:

- The Public Information Session will have a virtual component available online for 2 weeks.
- A committee member noted that the Public Information Session details were shared with the Niagara-on-the-Green Facebook group.
- An inquiry was made if the Facilitator is a Walker employee. The Facilitator advised that she is a third-party, independent facilitator and not a Walker employee. She noted her role which is to ensure agendas and action items are managed, everyone's voice is heard, and decisions are made fairly. She noted she is also qualified to provide guidance to the committee on EA process.
- A question was asked about what is considered "noise". Walker noted there are guidelines, which are a set of rules and/or regulations that identify the levels and types of noises that are allowed during certain hours. Background noise levels are monitored then compared to the predicted noise levels from the project to determine if limits are exceeded and mitigation is required. Walker noted the collection of background noise is still underway and offered to have the consultants obtain samples at specific properties.
- An inquiry was made about questions that arise from the Public Information Session and if they will be presented to the EA Advisory Committee. Walker noted that a summary of input received at the Public Information Session will be prepared and this can be shared with the EA Advisory Committee. **Action: Walker to share the public event summary at the next committee meeting.**
- Discussion took place around alternative locations (also known as 'Alternative To'). Walker noted that during the development of the ToR, Walker assessed Alternative To the project. The assessment, which was approved by the Minister, can be found in Section 3 of the ToR and also in Supporting Document #1. Walker agreed to adjust the boards for the Public Information Session to illustrate why certain things (i.e. incineration) were no longer being evaluated.
- A committee member suggested it would be helpful to identify how best practices are being considered and where they are incorporated into the design. Walker agreed and noted its food waste recovery/composting program and its Renewable Natural Gas project as examples of best practices.
- A committee member noted that the current visual screening berm (east of Ten Mile Creek) is not providing the visual coverage it was intended to provide. Some trucks when tipping are still visible from specific receptors east of the existing operation. This should be fully considered (visual impacts) when evaluating the proposed landfill configuration options.

- Discussion around Leachate Management occurred and it was identified that additional information was needed to lead into the Leachate Management Options such as; what to consider, and the criteria and indicators used to evaluate the options.

## 5. Upcoming Public Information Session Review – March 18, 2025

- A virtual component of the public information session will be live on the project website from March 6 – March 21. Copies of the boards and links to reports will be available. Comments can be provided online.
- An in-person public information sessions (Open House format) will take place at Club Italia, Niagara Falls from 5 pm – 8 pm.
- Four (4) of Walker’s technical consultants will be attending: water, agricultural, ecology, and air quality. These are areas where the public has expressed the most interest.
- The committee agreed and encouraged citizen committee members to attend the event representing themselves as committee members (with a name tag). Several Committee members noted they would like to attend the Event.

## Committee Discussion, Feedback & Action Items

- Discussion took place around existing conditions and a request for links to the reports be distributed to the Committee.  
**Action: Walker to provide links to the existing conditions report and studies.**
- A request was made to have a map of Walker owned properties suggesting it would be good information for the public to know as it relates to operations and buffers. **Action: Walker to make available a map of Walker-owned properties.**
- Discussion took place around odours; what is the source, what Walker does to prevent them and how complaints are addressed. The context of the discussion was that the sharing of information, open communication and timely response is important in resolving the issue and building trust with the community. It was noted that the Walker fridge magnet with the toll-free number was a helpful tool in engaging the community.

## Closing Remarks

It was noted the next Committee meeting will take place in mid-May. The main purpose of this meeting will be to discuss the Preferred Alternative, why it is recommended, gather feedback and tour Walker’s Campus operations.

The annual Neighbour Appreciation Day is on Saturday, June 7. The event will include a BBQ, tours, activities for kids, falconry, and more.

## Summary of Action Items from EAAC Meeting #1

TASK	LEAD	STATUS
1	Facilitator to provide contact information to Committee members.	AG Complete
2	Walker to provide additional information on waste disposal and waste diversion per capita.	DF Complete
3	Walker committed to providing additional detail on anticipated dates/periods for key project milestones.	DF Complete
4	Walker to provide a copy of the Committee Charter.	DF Complete
5	Walker to provide an EA Advisory Committee Contact sheet.	DF Complete
6	Set a series of meeting dates at the next Committee meeting.	AG Complete

## Summary of Action Items from EAAC Meeting #2

TASK	LEAD	STATUS
1	Update EA Advisory Committee Contact List.	AG New
2	Walker to add an agenda item to next meeting - Summary of feedback from Public Information Session #1.	DF New
3	Provide the EA Advisory Committee links to the studies	AG New
4	Walker to make available a map of walker owned properties.	DF New
5	Walker to adjust the Public Information Session boards to incorporate feedback from the committee: <ul style="list-style-type: none"> <li>• Alternative locations</li> <li>• Add 'masl' to the Landfill Site Configurations</li> <li>• Use both m<sup>3</sup> and acres or hectares</li> </ul>	DF New
6	Add South Landfill Configuration information to the Landfill Configuration Summary slide	DF New
7	Send out a Meeting Poll for Campus Tour Date/Time.	AG New

**Subject:** FW: Walker South Landfill Expansion EA Advisory Committee - Mtg 2 Summary Adoption  
**Date:** Tuesday, June 24, 2025 at 1:54:57 PM Eastern Daylight Saving Time  
**From:** Leticia Koole <LKoole@walkerind.com>  
**To:** South Landfill Phase 2 <info@southlandfillphase2.com>  
**Attachments:** image001.jpg, EA AC - Meeting 2 - Summary Final.docx

---

**From:** [REDACTED]  
**Date:** Wednesday, June 11, 2025 at 3:50 PM  
**To:** [grievea@rogers.com](mailto:grievea@rogers.com) <[grievea@rogers.com](mailto:grievea@rogers.com)>  
**Cc:** [totoole@niagarafalls.ca](mailto:totoole@niagarafalls.ca) <[totoole@niagarafalls.ca](mailto:totoole@niagarafalls.ca)>, [shansen@niagarafalls.ca](mailto:shansen@niagarafalls.ca) <[shansen@niagarafalls.ca](mailto:shansen@niagarafalls.ca)>, [Sean.Norman@niagararegion.ca](mailto:Sean.Norman@niagararegion.ca) <[Sean.Norman@niagararegion.ca](mailto:Sean.Norman@niagararegion.ca)>, [REDACTED]  
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[morgan.casciani@thorold.ca](mailto:morgan.casciani@thorold.ca) <[morgan.casciani@thorold.ca](mailto:morgan.casciani@thorold.ca)>, Kassie Burns <[kassie.burns@notl.com](mailto:kassie.burns@notl.com)>, Rachel Karaim <[RKaraim@walkerind.com](mailto:RKaraim@walkerind.com)>, Shawn Jordan <[SJordan@walkerind.com](mailto:SJordan@walkerind.com)>, Darren Fry <[DFry@walkerind.com](mailto:DFry@walkerind.com)>, Leticia Koole <[LKoole@walkerind.com](mailto:LKoole@walkerind.com)>, Steve Hardaker <[hardaker.sp@sympatico.ca](mailto:hardaker.sp@sympatico.ca)>  
**Subject:** Re: Walker South Landfill Expansion EA Advisory Committee - Mtg 2 Summary Adoption

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Thank you, Anneliese. I have no edits, errors or comments.

[REDACTED]  
Sent from my iPad

On Jun 11, 2025, at 3:19 PM, [grievea@rogers.com](mailto:grievea@rogers.com) wrote:

Hi EA Advisory Committee,

Attached is the summary from the second meeting (March 2025). Please review and confirm that you have no edits/errors or comments at your earliest convenience.

Thanks again for a great discussion at our meeting Monday night. The summary for this meeting should be available in the next week or so.

Kind regards,  
Anneliese



[grievea@rogers.com](mailto:grievea@rogers.com)  
416-666-9689



# Walker South Landfill Phase 2 EA Advisory Committee

## Meeting Summary No. 3

**Date:** June 9, 2025

**Time:** 6:00 pm – 8:00 pm

**Location:** Club Italia, Niagara Falls

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### Materials

- Agenda
- Presentation – Recommended Method

### Meeting Objective

The purpose of this meeting was to tour Walker's Niagara Campus, discuss and gather feedback on the Comparative Analysis of Alternative Methods, the Recommended Method, discuss the upcoming public event, and review the next steps in the EA process.

### Niagara Campus Tour

The Committee toured Walker's Niagara Resource Management Campus which included the quarry, Niagara Biosolids facility, Residential Waste & Recycling Drop-off, Resource Recovery Area, South Landfill, Landfill Gas Utilization facility, the Proposed South Landfill Phase 2 location and leachate lagoons.

- It was noted that the deodorizer from the compost facility can occasionally be noticed in the NOTG neighbourhood.  
**Action: Walker to relay that the compost deodorizer can be detected in the NOTG neighbourhood to operations so that adjustments can be made.**
- Discussion took place around bank swallows in the quarry/stockpiles and how Walker identifies and protects any nests during breeding season.
- Inquiries were made about companies keeping waste materials clean. It was noted that Walker provides outreach and raises awareness with the public and businesses about keeping recyclables clean.
- Nuisance controls, such as falconry, dust, odour were discussed.
- Walker explained that a drill rig is drilling new landfill gas extraction wells – these wells help control odours and reduce GHG emissions by collecting landfill gas which is then used to make renewable energy.
- It was noted that video footage of the different stages of the landfill liner constructions would be of interest.  
**Action: Walker to consider a time-lapse of cell 15 construction.**
- Discussion took place around Renewable Natural Gas (RNG) produced by the landfill and how power is added back to the grid.
- The current operating quarry has 5-7 years remaining based on current projections.
- The South Landfill (Phase 1) has approximately 5 years of capacity remaining.

- South Landfill Phase 2 would not increase traffic on local roads – its a continuation of existing operations (i.e. Phase 2 will not receive more waste on a daily or annual basis than what is currently received. Once the quarry is depleted, traffic related to quarry operations will decrease.)
- The height of the current South Landfill Phase 1 is the same as the proposed South Landfill Phase 2.
- Leachate is treated on-site in 2 lagoons and sent to the municipal sewer system for final treatment at the Port Weller Wastewater Treatment Plant.

## EA Advisory Committee Meeting - Discussion Topics

### 1. Meeting #2 Summary and Action Item Review

- Action items from Meeting #2 were reviewed and completed. There were no comments or edits on the draft Meeting #2 Summary, it will be finalized.

### 2. Presentation: Comparative Analysis & Recommended Method

Walker presented key information (see attached presentation) that will be provided at Public Information Session on June 18 and virtual session from June 18 – July 7. The presentation covered the Comparative Analysis of the Alternative Methods, the Recommended Method, and next steps in the EA.

The following discussion points occurred:

- As a refresher, Walker reviewed the Alternative Methods that were assessed in the Comparative Analysis (presented at the April 18<sup>th</sup> Public Information Session) and key aspects of the options.
  - A comment was made that Walker should make it clear that the fertility of native soils has been enhanced due to the addition of compost as it considered the agricultural area from the different options. *Action: Take into consideration that Walker can improve 'native' soils via compost and fertilizers (N-Rich) from the Campus during the development of the Phase 2 end use options.*
- Walker reviewed the feedback it received from community consultation on the different options being considered (Alternative Methods)
- A comparative analysis is a rigorous process that weighs the advantages/disadvantages of each of options against each other to identify which option is most preferred. This process is required by the Terms of Reference.

#### Landfill Configuration – Recommended Method

- Option A – Same height & slope as South Landfill Phase 1 was selected as the recommended method.
- Walker noted that while Option A & B were tied in terms of their rankings, the 1 m difference in height and minor agricultural area difference could be minimized through further design and mitigation work.

#### Leachate Management – Recommended Method

- Option A – Continued & Expanded Use of the Municipal Sewer System was selected as the recommended method.

- A discussion took place around the capacity of the Port Weller Wastewater Treatment Plant and comparing how much capacity is available, is currently being used, and how much Walker anticipates requiring. The discussion was based on ensuring that capacity exists to support future community growth in the area.

**Action: Walker to illustrate the available WWTP capacity, and percentage of capacity required from Walker on a board at the upcoming public information session.**

### 3. Next Steps / Detailed Impact Assessment

- **Consultation on the Recommended Method** will continue over the next several weeks via a Public Information Session being held on June 18, 2025, with the virtual component from June 18, 2025 – July 7, 2025. Consultation activities with government agencies, Indigenous communities and interested members of the public will continue.
- **Development of the Facility Characteristics Report**; this report will provide additional detail on the design of the project so that the technical experts so they can complete their detailed impact assessment
- **Detailed Impact Assessment** – this study will assess potential impacts from the projects, mitigation opportunities and will incorporate climate change and cumulative effects. This is the key step in the Environmental Assessment.

### 4. Upcoming Public Information Session – June 18, 2025

- A Public information session is being held on June 18, 2025, at Club Italia from 5 pm – 8 pm. Information presented to the committee is reflected at the public information session.
- The invitation is open to the EA Advisory Committee to attend anonymously or as a member of the committee (unique name tags will be provided).
- Virtual component of the Public Information Session will be available from June 18, 2025 – July 7, 2025.

## Committee Discussion, Feedback & Action Items

- The Committee was in general agreement with the Recommended Methods that have been selected and agreed that the conclusions of the analyses were reasonable.
- The group expressed interest in meeting in the Fall to receive an update on the EA, learn more about the additional detailed developed in the Facility Characteristics Report and hear from select technical experts on any preliminary findings on the Impact Assessment. The committee would like to hear from the following disciplines – Social, Visual, Ecology and from the EA Technical Experts.

**Action: Walker to arrange a meeting with the EA Advisory Committee meeting in the Fall.**

- The EA Advisory committee would like timelines for field studies remaining. It was expressed that advanced notice is important from a safety perspective.

**Action: Walker to share approximate timelines for upcoming field studies, specifically Social.**

## Closing Remarks

There were no further comments on the tour or materials presented on the Comparative Analysis or Recommended Method. It was noted that Walker will look to schedule a follow-up meeting in the Fall to further elaborate on the comparative analysis and hear from technical experts.

## Summary of Action Items from EAAC Meeting #2

TASK	LEAD	STATUS
1 Update EA Advisory Committee Contact List.	AG	Complete
2 Walker to add an agenda item to next meeting - Summary of feedback from Public Information Session #1.	DF	Complete
3 Provide the EA Advisory Committee links to the studies	AG	Complete
4 Walker to make available a map of walker owned properties.	DF	Complete
5 Walker to adjust the Public Information Session boards to incorporate feedback from the committee: <ul style="list-style-type: none"> <li>• Alternative locations</li> <li>• Add 'masl' to the Landfill Site Configurations</li> <li>• Use both m<sup>3</sup> and acres or hectares</li> </ul>	DF	Complete
6 Add South Landfill Configuration information to the Landfill Configuration Summary slide	DF	Complete
7 Send out a Meeting Poll for Campus Tour Date/Time.	AG	Complete

## Summary of Action Items from EAAC Meeting #3

TASK	LEAD	STATUS
1 Walker to relay that the deodorizer can be detected in the NOTG neighbourhood to operations so that adjustments can be made.	DF	New
2 Walker to consider time-lapse of cell 15 construction.	DF	New
3 Take into consideration that Walker can improve 'native' soils via compost and fertilizers (N-Rich) from the Campus during the development of the Phase 2 end use options.	DF	New
4 Walker to demonstrate the available WWTP capacity, and percentage of capacity required from Walker on a board at the upcoming public information session.	DF	New
5 Walker to arrange a meeting with the EA Advisory Committee meeting in the Fall.	DF	New
6 Walker to share approximate timelines for field studies specifically Social.	DF	New

## Walker South Landfill Phase 2 EA

### Projected Timelines for Community Based Field Studies/Data Collection

Discipline/Study	Timeline (2025)
Archeology – Stage 2 Field work	August
Economics – Local Business & Organization Surveys	September
Social <ul style="list-style-type: none"><li data-bbox="253 558 602 590">• Site Neighbour Survey</li><li data-bbox="253 596 646 632">• Recreational User Survey</li></ul>	September September
Hydrogeology – Neighbour Water Well Survey	September

# **Environmental Assessment Advisory Committee Meeting 3**

**Comparative Analysis & Recommended Method**

June 9, 2025



# Presentation Agenda

- 1 Review of Alternative Methods
- 2 Comparative Analysis Example & Summary
- 3 Recommended Methods
- 4 Next Steps - Detailed Impact Assessment



# Landfill Site Configuration Summary

There were three landfill configuration options being explored.



	Option A Same as Existing South Landfill (Phase 1)	Option B Max Agricultural Area	Option C Avg Agricultural Area
Maximum Height (m)	212 m	211 m	205 m
Total Capacity (m <sup>3</sup> )	20,205,000 m <sup>3</sup>	18,277,400 m <sup>3</sup>	17,893,000 m <sup>3</sup>
Area Available for Agricultural End-Use (m <sup>2</sup> )	366,719 m <sup>2</sup>	513,600 m <sup>2</sup>	450,216 m <sup>2</sup>



# Leachate Management

There were two leachate treatment options being explored.



## Option A

Continued & Expanded Use of the  
Municipal Wastewater Treatment System

## Option B

Development of an On-Site Wastewater  
Treatment Plant



# Summary of Community Feedback

## Landfill Configurations

- Minimize visibility
- Maximize volume/capacity
- Maximize agricultural end-use
- Ensure cost-effectiveness to residents & businesses

## Leachate Management

- Ensure cost effectiveness to residents & businesses
- Source of revenue for municipalities
- Utilize existing infrastructure
- Do not displace future WWTP capacity for community
- Reduce impacts at Campus



# Comparative Analysis

## What is a Comparative Analysis?

- Used to select a preferred option amongst a range of options.
- A systematic process to determine which options have more advantages than others (or least negative effects).
- An evaluation of options.



# Examples of a Comparative Analysis (Landfill)

● Most Preferred   
 ● Less Preferred   
 ● Least Preferred

Evaluation Criteria		Indicators	Option A	Option B	Option C
<b>Natural Environment</b>					
Geology & Hydrogeology	Effect on groundwater quality	<ul style="list-style-type: none"> <li>Predicted effects to groundwater quality at property boundaries and off-Site</li> </ul>	No effect to groundwater flow at property boundaries and off-Site. <b>NO NET EFFECT</b>	No effect to groundwater flow at property boundaries and off-Site. <b>NO NET EFFECT</b>	No effect to groundwater flow at property boundaries and off-Site. <b>NO NET EFFECT</b>
		<b>Ranking</b>	1 <sup>st</sup> <span style="color: green;">●</span>	1 <sup>st</sup> <span style="color: green;">●</span>	1 <sup>st</sup> <span style="color: green;">●</span>
		<b>Rationale</b>	There is no distinction between the Options in relation to geology and hydrogeology. <b>All Options rank the same.</b> Given the landfill will be designed to meet or exceed O.Reg. 232/98 requirements, and that inward hydraulic gradients will be maintained into the Site, there are no predicted effects at the property boundaries and off-Site for any of the three Landfill Configuration Options in terms of groundwater flow or groundwater quality. Therefore, all Options are equally acceptable from a Geology/Hydrogeology perspective.		

Evaluation Criteria		Indicators	Option A	Option B	Option C
<b>Built Environment</b>					
Agriculture	Effects on existing agricultural land base	<ul style="list-style-type: none"> <li>CLI soil capability classification</li> </ul>	Minor reduction in agricultural capability from existing conditions (36.7 ha of CLI Class 2T lands and 25.87 ha of CLI Class 5T lands). <b>LOW NET EFFECT</b>	Minor reduction in agricultural capability from existing conditions (51.4 ha of CLI Class 3T lands and 11.17 ha of CLI Class 5T lands). <b>LOW NET EFFECT</b>	Minor reduction in agricultural capability from existing conditions (45.0 ha of CLI Class 2T lands and 17.57 ha of CLI Class 5T lands). <b>LOW NET EFFECT</b>
		<b>Ranking</b>	3 <sup>rd</sup> <span style="color: red;">●</span>	1 <sup>st</sup> <span style="color: green;">●</span>	2 <sup>nd</sup> <span style="color: yellow;">●</span>
		<b>Rationale</b>	<b>Option B is preferred over Option C, and Option C is preferred over Option A.</b> The three alternatives primarily differ in the amount of land available for an agricultural end use, with Option B having the greatest area of agricultural end use. Although Option B will be primarily comprised of CLI Class 3 lands and Option A and C will be primarily comprised of CLI Class 2 lands, the greater area of land available for agricultural production will outweigh any potential decreases in crop yields associated with the lower CLI Capability.		



Criteria	Indicators	
<b>Geology &amp; Hydrogeology</b>	• Effect on groundwater quality	• Predicted effects to groundwater quality at property boundaries and off-site
	• Effect on groundwater flow	• Predicted effects to groundwater flow at property boundaries and off-site
<b>Surface Water Resources</b>	• Effect on surface water quality	• Predicted effects on surface water quality on-site and off-site
	• Effect on surface water quantity	• Predicted change in drainage areas and land use • Predicted occurrence and degree of off-site effects
<b>Atmospheric Environment</b>	• Effect of air quality on off-site receptors	• Predicted off-site point of impingement concentrations (mg/m <sup>3</sup> ) of indicator compounds • Number of off-site receptors potentially affected (residential properties, public facilities, businesses, and institutions) • Frequency of any <u>exceedance</u> of applicable standards, limits, or guidelines at identified receptors
	• Effect of odours on off-site receptors	• Predicted off-site odour concentrations (µg/m <sup>3</sup> and odour units) • Number of off-site receptors potentially affected (residential properties, public facilities, businesses and institutions) • Frequency of any <u>exceedance</u> of applicable standards, limits, or guidelines at identified receptors
	• Effect of noise on off-site receptors	• Predicted off-site noise level • Number of off-site receptors potentially affected (residential properties, public facilities, businesses, and institutions) • Predicted sound from traffic
<b>Terrestrial &amp; Aquatic Environment</b>	• Effect on terrestrial ecosystems	• Predicted impact on vegetation communities • Predicted impact on wildlife habitat • Predicted impact on vegetation and wildlife including rare, threatened or endangered species
	• Effect on aquatic ecosystems	• Predicted impact on aquatic habitat • Predicted impact on aquatic biota
	• Effect on culturally significant species to Indigenous peoples, and rare (vulnerable), threatened or endangered species of flora or fauna or their habitat	• Predicted impact on culturally significant, rare, threatened, or endangered flora and fauna species and their habitat
	• Effect on wetlands	• Predicted impact on wetlands
	• Effect on wildlife habitat, populations, corridors or movement	• Predicted impact on wildlife habitat, populations, corridors or movement
	• Effect on fish or their habitat, spawning, movement or environmental conditions (e.g., water temperature, turbidity, etc.)	• Predicted impact on fish, fish habitat, spawning behaviour, movement or environmental conditions
	• Effect on locally important or valued ecosystems or vegetation	• Predicted impact on locally important or valued ecosystems or vegetation
<b>Land Use</b>	• Effect on existing and proposed planned future land uses and associated infrastructure	• Current and planned future land use • Proximity to off-site sensitive land uses (e.g., dwellings, churches, parks) and features (e.g., wetlands, woodlots, etc.)
	• Effect on views of the facility	• Predicted changes in views of the facility from the surrounding area • Visibility of project features from selected receptor locations
<b>Transportation</b>	• Effect on traffic	• Operational Level of Service at intersections around the Campus
	• Road Safety and Geometry	• Traffic collision assessment • Vertical and horizontal sightlines

Criteria	Indicators	
<b>Social</b>	• Displacement of Residents from Houses	• The number of households/residents (property owners and tenants) to be displaced (i.e., forced relocation) by the project itself regardless of whether their property has been purchased or not • The potential for or likelihood of voluntary out-migration of residents for consideration of the indirect effects on community character and cohesion
	• Disruption to use and enjoyment of residential properties	• The number of existing residential households and / or future households that are located at specific receptor locations and potentially affected by noise, dust, odour, traffic, agricultural and visual effects; and the potential for and likelihood of changes in the presence of vermin and gulls • The number of existing residential households fronting/backing onto a haul route and potentially affected by changes in project related traffic and traffic noise • Potential for or likelihood of changes in peoples' use of residential property
	• Disruption to use and enjoyment of public facilities and institutions	• The number of existing public facilities and institutions that may be affected by nuisance factors such as noise, dust, odour, traffic and visual effects; and the potential for and likelihood of changes in the presence of vermin and gulls • Potential for or likelihood of changes in operations of public facilities and institutions • Potential for or likelihood of changes in use and enjoyment of public facilities and institutions
	• Changes to community character	• Compatibility of landfill operations with the existing and likely future character of the community • Compatibility of the proposed end use with the existing and likely future character of the community
	• Changes to community cohesion	• The extent of displacement • The potential for or likelihood of voluntary out-migration • Loss and the extent of disruption of recreational resources, public facilities and institutions, and the use and enjoyment of residential properties
<b>Agriculture</b>	• Effects on existing Agricultural Land Base	• CLI Soil Capability classification • Soil suitability classification • Climate • Level of Fragmentation • Proximity to non-farm land uses
	• Effects on Agri Food Network	• Type(s) and proximity of agricultural operations • Type(s) and proximity of agricultural related facilities • Predicted impacts on surrounding agricultural related facilities • Predicted impacts on surrounding agricultural operations & agricultural related facilities
<b>Economic</b>	• Effect on local economy	• Impact on businesses • Disruption/displacement of businesses (including tourism and farms) • Business opportunities • Labour market impacts • Impact on direct, indirect, and induced employment • GDP Impacts • Impacts on direct, indirect and induced GDP • Retention of economic benefits within local economy
	• Effect on Real Estate	• Property value impacts
	• Effect on public finance	• Impact on municipal revenue • Impacts on municipal cost • Impact on assessment base
	• Cost of services	• Impact on customer cost of waste services
<b>Cultural Heritage Resources</b>	• Effect on archaeological resources and areas of archaeological potential	• Number and type of archaeological sites affected • Area (ha) of archaeological potential (i.e., areas with the likelihood to contain archaeological resources)
	• Effect on known or potential built heritage resources and cultural heritage landscapes	• Number of known and potential built heritage resources and cultural heritage landscapes displaced or disrupted

# Landfill Configuration

## Comparative Analysis

Environmental Component	Option A	Option B	Option C	Rationale
<b>Natural Environment</b> <i>(Includes Geology &amp; Hydrogeology, Surface Water, Atmospheric, and Terrestrial &amp; Aquatic)</i>	●	●	●	No material difference between options.
<b>Built Environment *</b> <i>(Includes Land Use, and Agriculture)</i>	●	●	●	Options B & C have slightly lesser visual and agricultural net effects
<b>Social Environment</b> <i>(Includes Transportation, and Social)</i>	●	●	●	No material difference between options.
<b>Economic Environment</b> <i>(Includes Economic)</i>	●	●	●	Option A has slightly greater economic net (positive) effects
<b>Cultural Environment **</b> <i>(Includes Cultural Heritage Resources)</i>	●	●	●	No material difference between options.

\* Visual considerations are included in the Land Use component.

\*\* Cultural Heritage Resources considers built heritage resources, cultural heritage landscapes and archaeological resources.

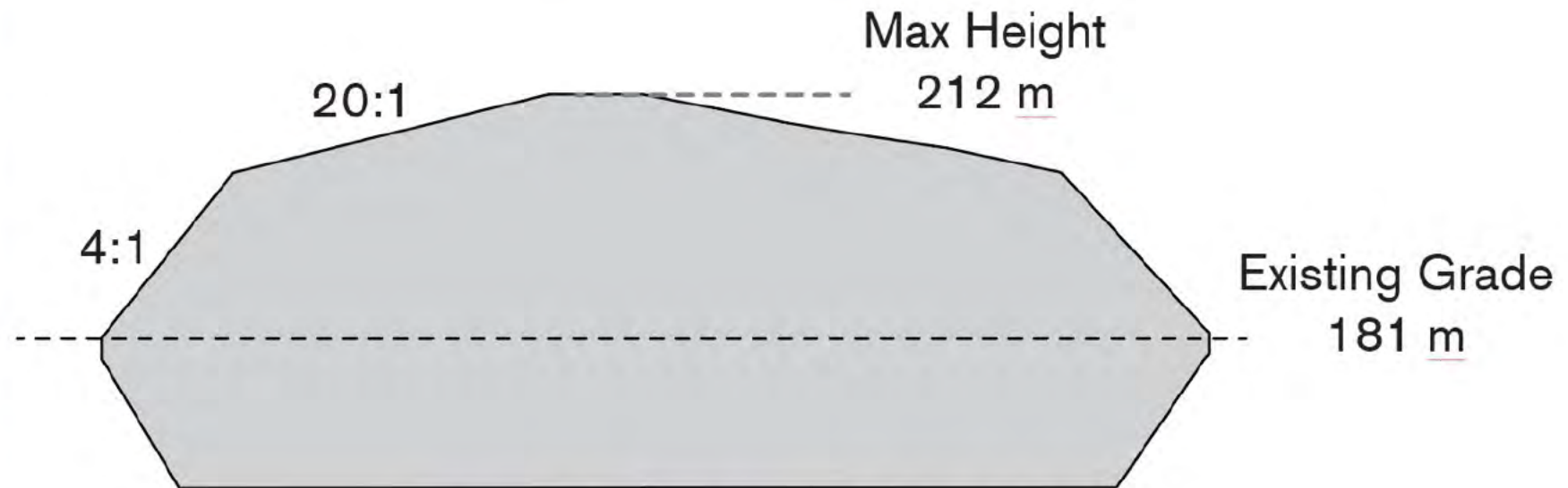
● Most Preferred    
 ● Less Preferred    
 ● Least Preferred



# Preferred Landfill Configuration



Same Height & Slopes as Current South Landfill Phase 1



Landfill Capacity: 20,205,000 m<sup>3</sup>  
Agricultural End Use Area: 366,719 m<sup>2</sup>



# Why it was Recommended

- Most substantial long-term benefits
- Moderate visual impact that can be mitigated/managed
- Economic benefits
  - Longer lifespan / greater waste capacity = extended employment & increased municipal revenue
- Offers enhanced regional waste management stability
- Design refinements and mitigation can offset the minor differences between Option A vs Option B & C



# Leachate Management

## Comparative Analysis

Environmental Component	Option A	Option B	Rationale
<b>Natural Environment</b> <i>(Includes Geology &amp; Hydrogeology, Surface Water, Atmospheric, and Terrestrial &amp; Aquatic)</i>	●	●	Option A has lesser net effects due use of existing infrastructure (vs constructing & operating a new facility)
<b>Built Environment *</b> <i>(Includes Land Use, and Agriculture)</i>	●	●	Option A has lesser net effects due use of existing infrastructure (vs constructing and operating a new facility)
<b>Social Environment</b> <i>(Includes Transportation, and Social)</i>	●	●	No material difference between options.
<b>Economic Environment</b> <i>(Includes Economic)</i>	●	●	No material difference between options.
<b>Cultural Environment **</b> <i>(Includes Cultural Heritage Resources)</i>	●	●	No material difference between options.

\* Visual considerations are included in the Land Use component.

\*\* Cultural Heritage Resources considers built heritage resources, cultural heritage landscapes and archaeological resources.

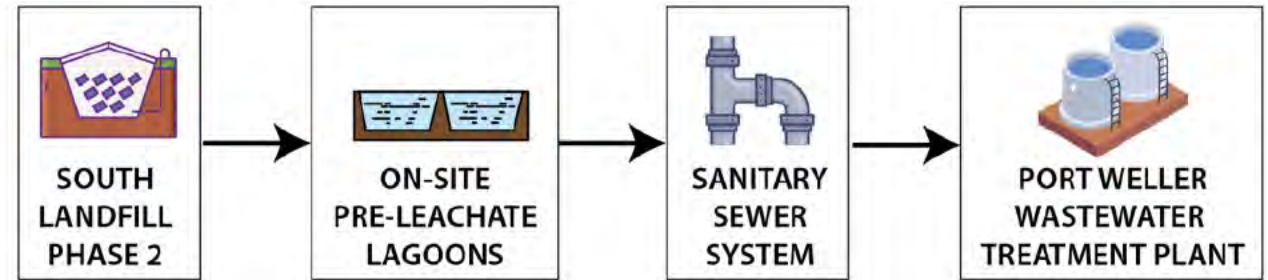
● Most Preferred     
 ● Less Preferred     
 ● Least Preferred



# Preferred Leachate Management Option

## Option A

Continued & Expanded Use  
of the Municipal Wastewater  
Treatment System



## Why it was recommended

- Reduced impacts from construction & operation of new infrastructure
- Capacity exists within existing municipal sewer system
- Most cost-effective option for customers

# Next Steps – June to Dec 2025

## 1. Consultation on the Recommended Method

- Review and gather feedback from the Public, Government Review Team/Agencies, Indigenous communities

## 2. Develop a Facilities Characteristics Report

- Develop additional facility details from a design & operation perspective

## 3. Commence the Detailed Impact Assessment

- Will incorporate climate change mitigation & adaptation elements
- Will include a cumulative effects assessment



# Public Information Session – June 18<sup>th</sup>

## Session's purpose:

- Review the comparative evaluation process and confirm the recommended method.
- Confirm the methodology for the upcoming detailed impact assessment of the recommended method.

## In Person

**June 18, 2025**

Drop-in anytime between  
**5 pm – 8 pm at Club Italia**  
2525 Montrose Road  
Niagara Falls, ON L2H 0T9

## Virtual

Available **June 18 – July 7, 2025**  
at [www.southlandfillphase2.com](http://www.southlandfillphase2.com)

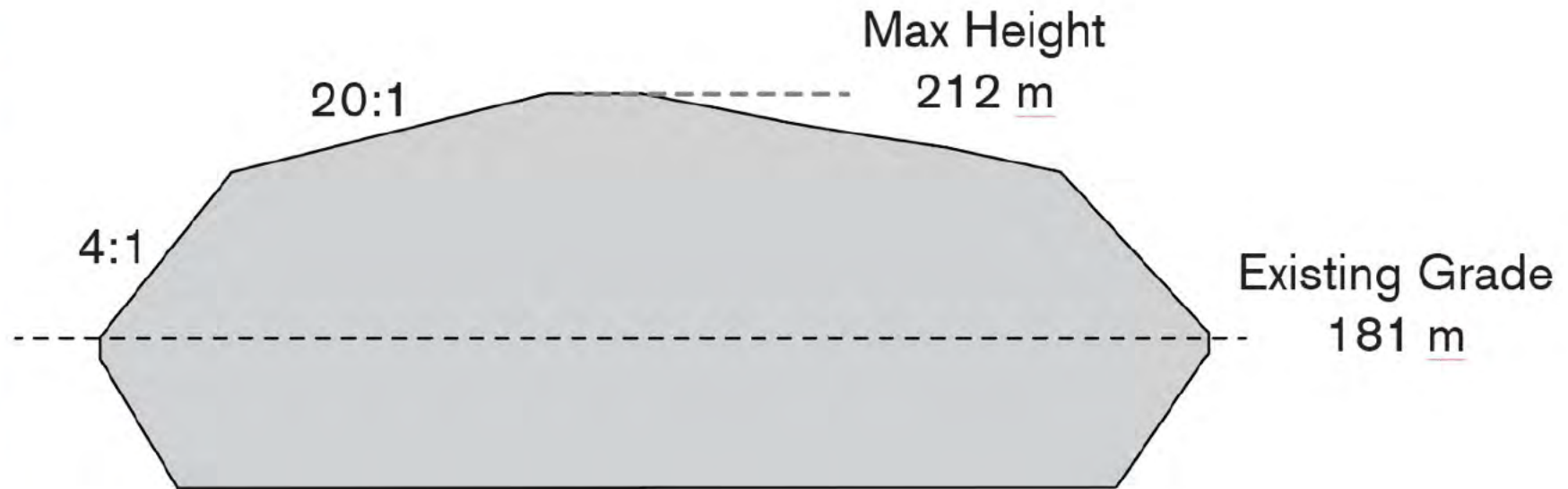


**Thank you**



## Option A

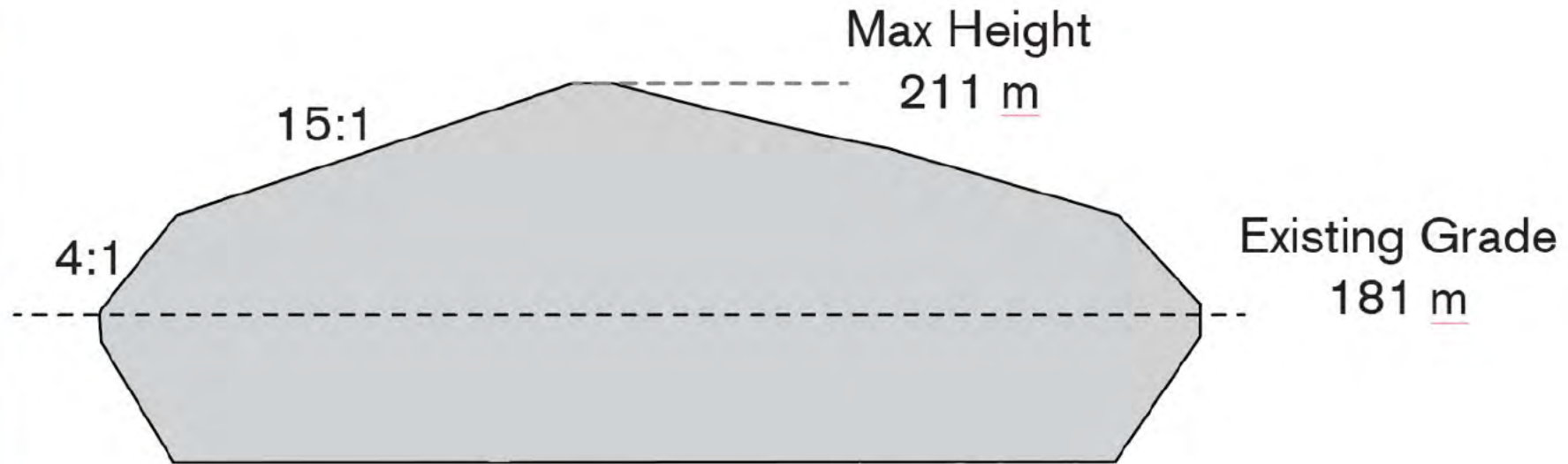
# Same Height & Slopes as Current South Landfill Phase 1



Landfill Capacity: 20,205,000 m<sup>3</sup>  
Agricultural End Use Area: 366,719 m<sup>2</sup>

## Option B

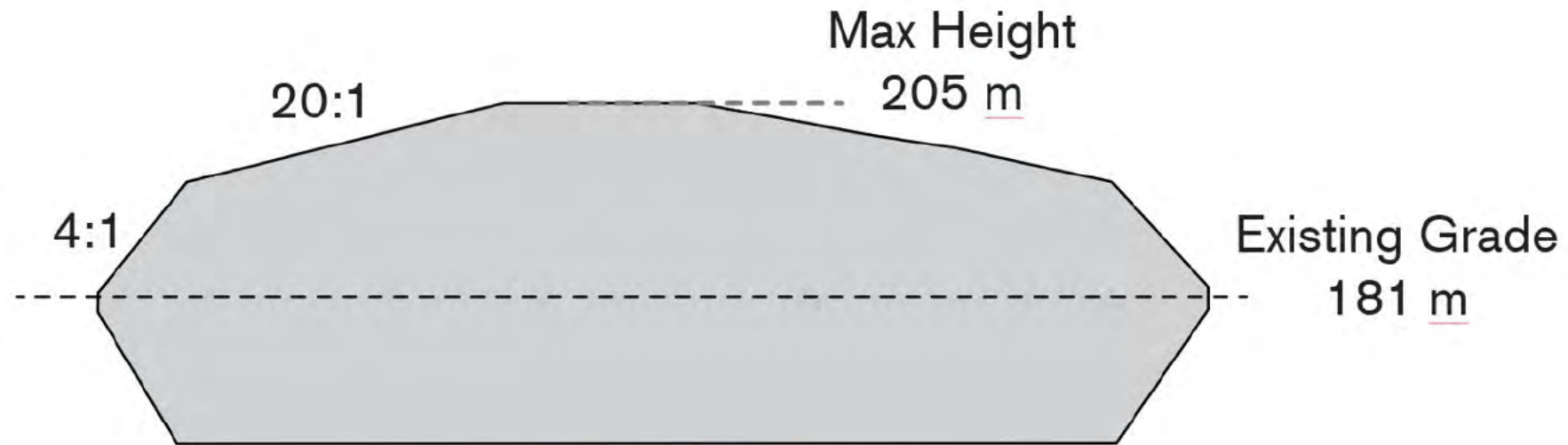
# Maximized Agricultural End Use Option



Landfill Capacity: 18,277,400 m<sup>3</sup>  
Agricultural End Use Area: 513,600 m<sup>2</sup>

## Option C

## Average Agricultural End Use Option



Landfill Capacity: 17,893,000 m<sup>3</sup>  
Agricultural End Use Area: 450,216 m<sup>2</sup>

**Subject:** Re: EA Advisory Committee October Availability  
**Date:** Tuesday, September 30, 2025 at 3:14:02 PM Eastern Daylight Saving Time  
**From:** [REDACTED]  
**To:** Leticia Koole <LKoole@walkerind.com>  
**CC:** South Landfill Phase 2 <info@southlandfillphase2.com>  
**Attachments:** image9c5830.JPG, image9c5830.JPG

Thanks so much Leticia for trying. I understand the challenges to accommodate everyone and if needed, I will have access to the meeting minutes.

I'm traveling the next few months quite a bit as well. If all of the participants can do either of those Oct dates, book it then regardless of my absence.

Cheers,

[REDACTED]

On Tue, Sep 30, 2025, 1:49 p.m. Leticia Koole <[LKoole@walkerind.com](mailto:LKoole@walkerind.com)> wrote:

Hi [REDACTED],

Thank you for letting me know. I will have a look and let you know.

Have a great day!

Leticia

---

**From:** [REDACTED] >  
**Date:** Monday, September 29, 2025 at 10:16 PM  
**To:** Leticia Koole <[LKoole@walkerind.com](mailto:LKoole@walkerind.com)>  
**Cc:** South Landfill Phase 2 <[info@southlandfillphase2.com](mailto:info@southlandfillphase2.com)>  
**Subject:** Re: EA Advisory Committee October Availability

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**Leticia Koole**

Project Support Specialist  
Environmental Division

T: 905-680-3782  
C: 905-351-2373  
Toll free: 866-694-9360  
[www.walkerind.com](http://www.walkerind.com)



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**Subject:** Re: EA Advisory Committee October Availability  
**Date:** Friday, October 3, 2025 at 2:45:56 PM Eastern Daylight Saving Time  
**From:** Leticia Koole <LKoole@walkerind.com>  
**To:** South Landfill Phase 2 <info@southlandfillphase2.com>

Hello EA Advisory Committee,

As we look to schedule the next EA Advisory Committee meeting, we are considering some alternate dates. Please use the link below to review the new proposed times:



Dates being considered are:

- Tuesday, November 4 at 6 pm
- Thursday, November 6 at 6 pm
- Thursday November 13 at 6 pm
- Monday, November 17 at 6 pm
- Tuesday, November 18 at 6 pm

If you have any difficulties, please let me know.

Thank you for taking the time to fill out the doodle poll.

Have a great weekend!  
Leticia

---

**From:** Leticia Koole <[LKoole@walkerind.com](mailto:LKoole@walkerind.com)>  
**Date:** Monday, September 29, 2025 at 2:56 PM  
**To:** South Landfill Phase 2 <[info@southlandfillphase2.com](mailto:info@southlandfillphase2.com)>  
**Subject:** EA Advisory Committee October Availability

Hello EA Advisory Committee,

In looking to schedule the next EA Advisory Committee meeting for the South Landfill Phase 2 EA, please use the link below to review the proposed times. The link will bring you to an easy-to-use online doodle poll that is simple to fill out. Once you have accessed the link, please select the times that you are available to attend.



The dates we are considering for the meeting are:

- Monday, October 20 at 6 pm
- Tuesday, October 21 at 6 pm

If you have any difficulties, please let me know.

Thank you,  
Leticia

**Subject:** FW: EA Advisory Committee Availability  
**Date:** Thursday, December 18, 2025 at 3:16:43 PM Eastern Standard Time  
**From:** Leticia Koole <LKoole@walkerind.com>  
**To:** South Landfill Phase 2 <southlandfillphase2@walkerind.com>

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**From:** [REDACTED]  
**Date:** Thursday, October 16, 2025 at 1:39 PM  
**To:** Leticia Koole <[LKoole@walkerind.com](mailto:LKoole@walkerind.com)>  
**Subject:** Re: EA Advisory Committee Availability

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I'm available November 13 17 and 18  
Thanks [REDACTED]  
Sent from my iPhone

On Oct 16, 2025, at 1:28 PM, Leticia Koole <[LKoole@walkerind.com](mailto:LKoole@walkerind.com)> wrote:

Hello all,

I hope everyone had a great Thanksgiving weekend!

A friendly reminder to please confirm your availability for the November dates listed below if you have not already done so. We are still in the process of confirming the next EA Advisory Committee meeting date.

- Tuesday, November 4 at 6 pm
- Thursday, November 6 at 6 pm
- Thursday November 13 at 6 pm
- Monday, November 17 at 6 pm
- Tuesday, November 18 at 6 pm

You can email me directly or use the Doodle Poll link: [REDACTED]

If you have any questions, please let me know.

Thank you,

Leticia

**Leticia Koole**  
Project Support Specialist  
Environmental Division

T: 905-680-3782  
C: 905-351-2373  
Toll free: 866-694-9360  
www.walkerind.com

[<image2ab869.JPG>](#)

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**From:** Leticia Koole <[LKoole@walkerind.com](mailto:LKoole@walkerind.com)>  
**Date:** Friday, October 3, 2025 at 2:49 PM  
**To:** South Landfill Phase 2 <[info@southlandfillphase2.com](mailto:info@southlandfillphase2.com)>  
**Subject:** Re: EA Advisory Committee October Availability

Hello EA Advisory Committee,

As we look to schedule the next EA Advisory Committee meeting, we are considering some alternate dates. Please use the link below to review the new proposed times:



New dates being considered are:

- Tuesday, November 4 at 6 pm
- Thursday, November 6 at 6 pm
- Thursday November 13 at 6 pm
- Monday, November 17 at 6 pm
- Tuesday, November 18 at 6 pm

If you have any difficulties, please let me know.

Thank you for taking the time to fill out the doodle poll.

Have a great weekend!

Leticia

---

**From:** Leticia Koole <[LKoole@walkerind.com](mailto:LKoole@walkerind.com)>  
**Date:** Monday, September 29, 2025 at 2:56 PM  
**To:** South Landfill Phase 2 <[info@southlandfillphase2.com](mailto:info@southlandfillphase2.com)>  
**Subject:** EA Advisory Committee October Availability

Hello EA Advisory Committee,

In looking to schedule the next EA Advisory Committee meeting for the South Landfill Phase 2 EA, please use the link below to review the proposed times. The link will bring you to an easy-to-use online doodle poll that is simple to fill out. Once you have accessed the link, please select the times that you are available to attend.



The dates we are considering for the meeting are:

- Monday, October 20 at 6 pm
- Tuesday, October 21 at 6 pm

If you have any difficulties, please let me know.


Thank you,  
Leticia

**Subject:** EA Advisory Committee Availability - Meeting No. 4  
**Date:** Monday, October 20, 2025 at 4:21:44 PM Eastern Daylight Saving Time  
**From:** Leticia Koole <LKoole@walkerind.com>  
**To:** South Landfill Phase 2 <info@southlandfillphase2.com>

Hello everyone,

As we continue our search for a date for the next EA Advisory Committee meeting, a series of dates is provided below as well as a link to another doodle poll to query the groups availability.

- Wednesday, November 5
- Tuesday, November 11
- Wednesday, November 12
- Thursday, November 20
- Monday, November 24
- Monday, December 1
- Tuesday, December 2

You can email me directly or use the Doodle Poll link: 

If you have any questions, please let me know.

Thank you,  
Leticia

**Subject:** FW: Walker South Landfill Phase 2 EA - EA Advisory Committee Meeting 4 Agenda  
**Date:** Tuesday, November 11, 2025 at 3:17:54 PM Eastern Standard Time  
**From:** Leticia Koole <LKoole@walkerind.com>  
**To:** South Landfill Phase 2 <info@southlandfillphase2.com>  
**Attachments:** image001.jpg, EAAC Meeting No. 4 - Agenda.pdf

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**From:** [grievea@rogers.com](mailto:grievea@rogers.com) <[grievea@rogers.com](mailto:grievea@rogers.com)>

**Date:** Friday, November 7, 2025 at 2:04 PM

**To:** [REDACTED]

[REDACTED] [Sean.Norman@niagararegion.ca](mailto:Sean.Norman@niagararegion.ca)

<[Sean.Norman@niagararegion.ca](mailto:Sean.Norman@niagararegion.ca)>, Kassie Burns <[kassie.burns@notl.com](mailto:kassie.burns@notl.com)>, [walter.basic@thorold.ca](mailto:walter.basic@thorold.ca) <[walter.basic@thorold.ca](mailto:walter.basic@thorold.ca)>

**Cc:** Darren Fry <DFry@walkerind.com>, pychel@walkerind.com <pychel@walkerind.com>, Rachel Karaim <RKaraim@walkerind.com>, Leticia Koole <LKoole@walkerind.com>

**Subject:** Walker South Landfill Phase 2 EA - EA Advisory Committee Meeting 4 Agenda

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Hi,

Please find attached the agenda for our meeting November 12.

You will note that three of the subject matter experts contributing to the EA will be speaking to the work they are doing and will respond to your questions.

Please note that for this meeting Laura Pychel, Business Operations Manager, will be attending in Shawn Jordan's place.

Looking forward to seeing you all and our discussion.

Kind regards,  
Anneliese



# EA Advisory Committee

South Landfill Phase 2 EA

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## Agenda – Meeting #4

**Date:** November 12, 2025

**Time:** 6:00 pm – 8:00 pm (Dinner at 5:30 pm)

**Location:** Club Italia (Marconi Room), Niagara Falls, ON

	Agenda Item	Duration
1	Dinner	30 min
2	Welcome & Agenda Review	10 min
3	Meeting #3 Summary & Action Item Review	15 min
4	Presentation & Discussion – SLF PH2 Update and Updates from select Technical Experts: <ul style="list-style-type: none"><li>• Project Update (Walker)</li><li>• Social Impact Study Overview (SLR Consulting)</li><li>• Visual Impact Study Overview (GHD)</li><li>• Ecology Impact Study Overview (GHD)</li></ul>	60 min
5	Next Steps / Detailed Impact Assessment	15 min
6	Next Meeting	5 min
7	Other Business & Q&A	10 min