



Give Waste a New Life

Public Advisory Committee - Meeting 3 Summary

Date: Thursday July 30, 2020

Time: 2:00pm to 4:00pm

Attendance

Public Advisory Committee Members:

- Karyn Hogan
- Duncan Mackenzie
- Trevor Barton
- Kate Parizeau
- Emily Duncan
- Greg Sayer

City of Guelph:

- Phil Jensen, SWMMP Project Specialist
- Heather Connell, Manager, Business and Technical Services
- Cameron Walsh, Divisional Manager
- Nicole Davison, Waste Policy Analyst
- Vivian De Giovanni, Program Development

Dillon Consulting:

- Betsy Varghese (Dillon), Project Manager
- Anni Buelles (Dillon), Project Coordinator
- Nicole Beuglet (Dillon), Engagement Specialist
- Beth Goodger (Dillon), Senior Waste Specialist

Regrets:

- Das Soligo, County of Wellington due to technical difficulties
- Brandon Raco due to technical difficulties
- John Dennis
- Jennifer Packer

Meeting Objectives

- **Establish** Committee Chair
- **Present** high level findings of the Future State Report
- **Brainstorm** innovative and long term options that are specific to Guelph
- **Review** Public Engagement materials

PAC Feedback Summary

	Challenge brainstorm: Thinking 10 to 20 years from now, what will be the challenges facing Guelph’s waste management system?	The most complex challenges: What is the most complex challenge from the brainstorm? <i>The most complex challenge was identified by a vote.</i>	Possible solutions: What are all of the possible solutions to this complex challenge?
Reduce	<ul style="list-style-type: none"> ● Planned obsolescence ● Food waste/organics ● Consumption 	<ul style="list-style-type: none"> ● How can we keep residents interested/focussed on reduction 	<ul style="list-style-type: none"> ● City to advocate for changes at the provincial and federal level ● Use a variety of methods to communicate ● Remind people of the importance of reduction, but don’t over-communicate ● Use incentives / disincentives to achieve the desired behavior change ● Need systemic changes to reduce the amount of packaging / waste ● City to provide financial and staffing support for eco clubs in school / support ongoing initiatives by students in schools ● Partner with School Boards to spread information /communicate with parents regarding city programs

Solid Waste Management Master Plan

<p>Reuse</p>	<ul style="list-style-type: none"> • Safety/hygiene concerns • Communications 	<ul style="list-style-type: none"> • Educate residents on what they can reuse and how 	<ul style="list-style-type: none"> • City to create online network for people to buy and sell or give away reusable goods / waste exchange programs • Provide resources for people to reuse their own items / repair items at home • Support tool libraries and repair events • City to promote, educate, and partner with existing reuse organizations to spread awareness about these programs • City to organize curbside pick up days for people to give away items they no longer need
<p>Recycle</p>	<ul style="list-style-type: none"> • Contamination • Tech limitations for mixed stream processing • Uncertainty about legislative context • Technical challenges - limitations on what can be recycled 	<ul style="list-style-type: none"> • Funding 	<ul style="list-style-type: none"> • Find innovative ways to make recycling facilities cost effective - potentially through recovery • City should move away from from the Blue Box business, focus on materials that don't have stewardship programs • Focus on IPR as much as possible - producers pay as much as they can so governments and users pay less (city to advocate for this) • Track how packaging is changing as IPR programs become implemented / ongoing waste audits to understand the changing waste stream
<p>Recover</p>	<ul style="list-style-type: none"> • Legislation • Social Acceptability 	<ul style="list-style-type: none"> • Chemical Recycling/Thermal Recovery 	<ul style="list-style-type: none"> • City to assist with opportunities for R+D efforts to support

			<p>technology and to partner with potential companies to feed materials to test technology</p> <ul style="list-style-type: none"> • City to explore fines to industry if targets are not met • Consider partnering with academia as well as companies • Get into the circular economy and materials have value that can be used / look at opportunities to recover as much as possible look at principles of the circular economy
Residual	<ul style="list-style-type: none"> • Siting • Alternative Cover (alternative materials that can be used as landfill cover) 	<ul style="list-style-type: none"> • What are options for the worst case where Ontario capacity maxed out and we can't export to US landfills? 	<ul style="list-style-type: none"> • Set high diversion targets and zero-waste targets • Look at alternative technologies, and consider the trade offs • Guelph to be on the leading edge of new technologies and explore pilot projects / use low carbon technologies
Other	<ul style="list-style-type: none"> • WFO - BB transition 	<ul style="list-style-type: none"> • Equity concerns - access and siting 	<ul style="list-style-type: none"> • Embed equity in our evaluation criteria

Action Items

- Guelph SWMMP StoryMap to be shared with the PAC
- Draft online survey to be shared with PAC members to provide feedback into public survey by August 7



Public Advisory Committee Meeting #3

Future State and Options Development

July 30th, 2020





Purpose and Agenda

Purpose:

To establish a PAC chair, provide an overview of the Future State Report findings, provide input to the long-list of SWMMP options that Guelph should consider, and to review materials for public engagement.

1. **Welcome, Introductions (5 min)**
2. **Establishment of Committee Chair (10 min)**
3. **Presentation on Future State Report Findings (25 min)**
4. **SWMMP Options Presentation and MURAL board Brainstorming Activity (~1 hour)**
5. **Revised Engagement Plan (15 min)**
6. **Wrap-Up (5 min)**



Welcome, Introductions



Public Advisory Committee Chair

As per the Terms of Reference, the Responsibilities of the Committee Chair are to:

- be a voting member of the Committee;
- preside over the meetings;
- facilitate meeting discussions to ensure all voices are heard;
- ensure matters at hand are discussed in accordance with the meeting agenda;
- preserve order at the meeting; and
- provides final ruling on all matters.



Growth Forecasting Model

Task 4 – Future State



Long Term Growth Forecasting Model

- **Estimate of future solid waste and diversion needs**

- Based on Guelph's Development Charges Background Study population and housing information (Watson & Associates Economists Ltd.)
- Current solid waste system performance

- **More people and higher density housing by 2041**

Description	2019	2041	% Increase
Population	138,700	184,500	33%
Single Family	29,500	32,800	11%
Multi-Family	26,000	43,900	69%
Total Housing Units	55,500	76,700	38%



Future Disposal Strategies

Task 4 – Future State

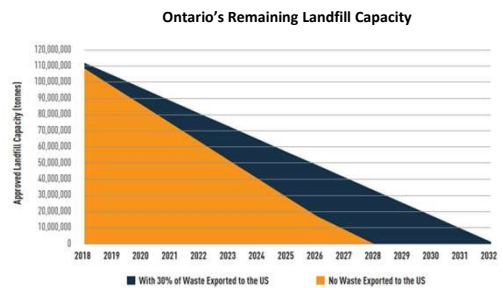


Future Disposal Needs

- ✍️

Guelph's 10-year contract with Waste Management Inc. is set to expire in **October 2023**.
- Guelph has options to **extend** the contract for two successive 5-year periods (i.e., to 2028 and 2033).
- 🕒

Ontario has limited landfill capacity which is expected to be depleted within 12 year, **by 2032**.
Future capacity will be affected by:
- Approval of new or expanded landfill capacity.
Two new landfill sites are or expected to be approved that will bring 2 million tonnes of new capacity. London and Walker landfills could bring 1.35 million tonnes of new capacity.
- Ability to meet diversion rate targets.
The Province has set aggressive diversion targets for the IC&I sector and the residential sector (e.g. Food and Organic Waste Policy)
- Availability of cross-border disposal options.
As of 2017, **30% of the province's total waste stream was exported.** **Should the US border close, capacity will be depleted by 2028.**



Source: OWMA State of Waste in Ontario: Landfill Report (December 2018)



Legislative and Regulatory Changes

Task 4 - Future State



Legislative and Regulatory Changes

• Federal

- Zero Waste Strategy, Canada-wide Action Plan on Zero Plastic Waste (Canadian Council of Ministers of the Environment)
 - Final phase of the Plan released in July 2020 with implementation by 2025
- Draft state-of-the-art assessment on plastic pollution (January 2020)
 - On hold now due to COVID-19.

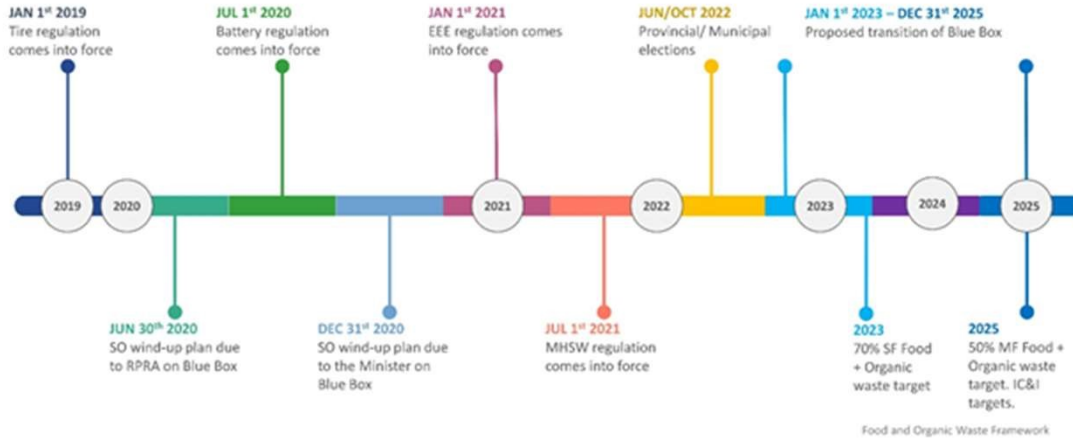
• Provincial

- Individual Producer Responsibility (IPR)
 - Used Tires – City transferred responsibility and stopped accepting tires as of Jan. 1/19.
 - Electronics (WEEE) and Batteries – City provides service at that WRIC
 - Hazardous Waste (MHSW) – City operates the depot at the WRIC.
 - Blue Box – City's preference is to be in the first group for transition.
- Food and Organic Waste Policy Statement



Legislative and Regulatory Changes

Timeline for the Ontario Waste Diversion Program + Food and Organic Waste Framework



Emerging Issues

Task 4 – Future State



Emerging Issues

Blue Box Transition to IPR

Issues to be resolved over the next 9 to 12 months include:

- **Transition Timing**
(e.g., will Guelph transition in 2023, 2024 or 2025 and implications)
- **Guelph's role**
(e.g. will the City want to be a contractor in the new system?)
- **Materials Recovery Facility**
(e.g., fate and future uses)
- **Maximizing diversion of blue box materials through IPR**
(e.g., keeping these materials out of Guelph's system)

Organic Waste and Circular Food Economy

Changing Policies and Frameworks

- Federal government's *Food Policy for Canada*
- Development of the *Food and Organic Waste Framework*
- *Our Food Future* – Guelph-Wellington's successful application to *Canada's Smart Cities Challenge*

By 2025, Guelph-Wellington is aiming to:

- Increase access to affordable, nutritious food by **50%**, where "waste" becomes a resource,
- Create **50** new circular businesses and collaborations
- Increase circular economic revenues by **50%**.

50 x 50 x 50 by 2025



Emerging Issues

Plastics Waste, Education, Contamination

1. Plastic Waste

Packaging and product design for recyclability, collection infrastructure, technology to recycle, demand for post consumer recycled plastics, consumer confusion of "compostable plastics"

Currently, plastics marked biodegradable or compostable are contaminants and not accepted in the City's green cart Program.

2. Public Education and Engagement

Age demographics and media sources, terminology

3. Contamination

Increased costs, sorting confusion, collection policies and education

Other Emerging Issues

4. Disruptive and Problematic Materials

black plastic, glass, standup pouches compostable plastics, film, coffee pods

5. Changing Technologies

Update/add to existing tech., A.I., thermo-chemical treatment for plastics, Mixed Waste Processing

6. Circular Economy

Policies supporting waste reduction, new markets and revenue

7. Performance Metrics

"evolving tonne", diversion rate, benchmarking, demonstrating value for money

8. Pandemic Impacts

Sector generation rates, economic recession, initiative delays and pull-back, new habits and attitudes





SWMMP Long-List of Options

Task 5 – Program and Performance Enhancement

Approach to Developing Options

Step 1: Develop Long List of Options

- Internal Brainstorming Session with Project Team
- Brainstorming Session with Technical Advisory Committee
- Brainstorming Session with the PAC
- Public survey

The raw ideas put forward will be organized by theme and consolidated into potential options.

Step 2: Develop Short List of Options

- A short list of options will be developed based on the input received from the four groups.



Mural Brainstorming Activity

Task 5 – Program and Performance Enhancement



Engagement Activities

Upcoming engagement activities include:

- StoryMap, instead of Engagement Lab (August – ongoing)
- Public Survey (August – September)
- Telephone Stakeholder Interviews, instead of Pop-Up (Summer / Fall 2020)
- Engagement HQ (ongoing)

Engagement activities on hold due to Covid-19

- Downtown Business Survey (on hold)
- Downtown Stakeholder Meetings (on hold)
- Sector Workshop #1 (on hold)



StoryMap and Public Survey #1

StoryMap

- Objective: *provide updates on the SWMMP process, present information on the Current System and Future State, and examine the issues of SUPs and food waste*
- Seeking initial thoughts and comments

Public Survey #1

- Objective: *to get input on new waste management approaches and consumer trends that will improve the current waste management system.*
- Feedback sought by Friday, August 7: 1) Could the wording / terminology be more clear? and 2) Any glaring errors / omissions from a technical perspective?

Current programs
& services

Single-use
items

Future priorities
for the community

Options to
reduce waste

Funding
approaches

Downtown public
space containers



Wrap-Up

