

**The Corporation of the City of Kawartha Lakes**  
**Agenda**  
**Waste Management Advisory Committee Meeting**

**2020-003**

**Monday, September 21, 2020**

**Meeting Commencing at 1:00 p.m. - Electronic Public Participation**

**Public Works and Engineering Boardroom**

**322 Kent Street West**

**Lindsay, ON K9V 4T7**

**Members:**

**Councillor Ron Ashmore**

**Councillor Andrew Veale**

**Councillor Emmett Yeo**

**C. Appleton**

**Brian S. Junkin**

Electronic Participation starts at 1:00pm. To access zoom link contact [pwpykes@kawarthalakes.ca](mailto:pwpykes@kawarthalakes.ca)  
Accessible formats and communication supports are available upon request. The City of Kawartha  
Lakes is committed to accessibility for persons with disabilities. Please contact  
[AgendaItems@kawarthalakes.ca](mailto:AgendaItems@kawarthalakes.ca) if you have an accessible accommodation request.

1.	Call to Order	
2.	Adoption of Agenda	
3.	Disclosures of Pecuniary Interest	
4.	Approval of the Minutes	3 - 11
5.	New Business	
5.1	Recycling Changes	
5.2	Waste Strategy Update Progress 2020	
5.3	Textile Program	
6.	Round Table	
7.	Adjournment	

**The Corporation of the City of Kawartha Lakes**  
**Minutes**  
**Waste Management Advisory Committee Meeting**

**2020-002**  
**Monday, July 6, 2020**  
**1:00 P.M.**  
**Public Works and Engineering Boardroom**  
**322 Kent Street West**  
**Lindsay, ON K9V 4T7**

**Members:**  
**Councillor Ron Ashmore**  
**Councillor Andrew Veale**  
**C. Appleton**

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**1. Call to Order**

The Chair called the meeting to order at 1:09pm.

**2. Adoption of Agenda**

**Moved By** Councillor Ashmore

**Seconded By** Councillor Veale

**Carried**

**3. Disclosures of Pecuniary Interest**

There were no declarations of pecuniary interest disclosed.

**4. Approval of the Minutes**

**Moved By** Councillor Veale

**Seconded By** Councillor Ashmore

**Carried**

**5. New Business**

**5.1 Waste Strategy Implementation Plan for 2020**

Staff provided an update on the Implementation Plan for 2020 for each Waste Strategy Initiative and how timelines have been adjusted due to the pandemic. Staff will be working towards staying on track with all initiatives set for 2020.

Councillor Ashmore asked about the state of the voluntary single use plastics ban during this time when people are relying more on single use items for safety reasons. This project is on hold temporarily but staff are working towards a direction on this project for 2020.

**5.2 Public Education and Communications Strategy**

Staff gave an overview of the Public Education and Communications Strategy which will be provided for council consideration on July 28, 2020. The Strategy outlines a set of goals and priorities and details the additional resources which will be needed to improve public education on waste and recycling in Kawartha Lakes overall, as well as help increase participation in each Waste Strategy Initiative to reach the goal of 70% diversion by 2048.

Chris Appleton discussed the importance of the waste calendar and that the calendar should be more of a focus in the Strategy and that it should be mailed out to every residence. The other committee members agreed and asked staff to look into this option for 2021. Chris also suggested that staff create a poster with pictures of what should go in the recycling as well as what shouldn't to be placed in the calendar, and possibly stickers which could go on recycling bins. Chris also inquired as to whether weekly tips regarding waste management were possible and that they should be accumulated in one place on the website in order of importance for the public to view.

**Moved By** Councillor Ashmore

**Seconded By** Councillor Veale

Resolved that the Waste Management Advisory Committee would like the waste calendar to be mailed out and distributed to residents through Canada Post.

**Carried**

**Moved By** Councillor Ashmore

**Seconded By** Councillor Veale

Resolved that the Waste Management Advisory Committee supports the Public Education and Communication Strategy with comments for consideration.

**Carried**

### 5.3 Construction and Demolition Update

Staff provided an update on the construction and demolition pilot project. In 2020 staff have been able to begin on June 1 a mixed construction and demolition pilot. This project is very promising and staff believe up to 1000 tonnes of C&D could be recycled per year. Staff will be bringing a recommendation to council on July 28, 2022 to extend the pilot program until December 31, 2021.

The Committee was generally supportive of the C&D program, however would like to review the report that will be going to council. Staff will send the report to the committee through email.

## 6. Round Table

Councillor Ashmore asked if with the 3 bag limit the City has seen an increase in garbage collected as well as if the landfill lines have slowed down now that the

landfills have been open for a period of time. Staff have seen an increase in waste as well as recycling in 2020, and the landfill lineups have slowed down.

Councillor Veale inquired as to whether Miller would collect from garbage cans at Marinas which are being used frequently and fill up faster than the current collection schedule as well as the possibility of adding recycling bins at these locations so items are recycled and the garbage bins aren't filling up as fast. David Kerr noted that he would look into this.

Chris Appleton inquired about the feasibility study taking place for the landfill flare and generation system. David Kerr noted that he would look into the results of the study however this project is not something within the mandate of the Waste Management Advisory Committee and may need to be discussed on an individual level.

## **7. Adjournment**

The meeting was adjourned at 1:00pm. The next meeting was scheduled for September 14, 2020 at 1:00pm with electronic participation over Zoom.

**Moved By** Councillor Veale

**Seconded By** Councillor Ashmore

**Carried**



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**Kerri Snoddy**, Regulatory Compliance Officer, Solid Waste Services

## MEMORANDUM

To: Waste Management Advisory Committee  
From: Kerri Snoddy, Regulatory Compliance Officer  
Date: July 8, 2020  
Subject: **Construction and Demolition Recycling Pilot Update**

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At the Council Meeting of September 12, 2017 Council adopted the following resolution:

### **CR2017-756**

**Resolved That** Report **WM 2017-007**, Construction and Demolition Waste Recycling Program, be received;

**That** the implementation of a construction and demolition waste recycling program as a 22-month pilot to start March 1, 2018 and end on December 31, 2019 as outlined in this report WM 2017-007 at a cost of \$133,500.00 for 2018 and \$155,000.00 for 2019, be approved; and

**That** staff report back to Council on the success of the construction and demolition waste recycling pilot program by June 30, 2019 with future program recommendations and 2020 budget expectations.

**Carried**

At the Council meeting of June 18, 2019 Council adopted the following resolution:

### **CR2019-405**

**Resolved That** Report WM2019-008, **Construction and Demolition Recycling Pilot Results and Recommendations**, be received;

**That** Council approve an extension of the pilot to December 31, 2020 with an operating budget of \$155,000 in 2020; and

**That** Staff report back to Council on the success of the construction and demolition waste recycling pilot program by June 30, 2020 with future program recommendations and associated budget.

**Carried**

This pilot initiative follows the direction outlined in the Integrated Waste Management Strategy (2015-2019), as approved by Council. Specifically, the strategy recommended a Construction and Demolition (C&D) waste recycling program as one of the short term initiatives to be launched in 2018. In the Integrated Waste Strategy (2020-2023) it states that Kawartha Lakes will continue to develop and improve the C&D recycling program pilot by focusing communication efforts to local contractors to increase participation in the program.

Prior to implementing this initiative in 2018, the City retained Reclay Steward Edge (Reclay) to assess the feasibility of a C&D waste recycling program at one or more of our five operating landfill sites and make recommendations on how best to make it a successful program.

As part of the background research Reclay noted that in most municipalities (including the City of Kawartha Lakes (CKL)), the quantity of C&D waste generated far exceeded the amount of municipal solid waste generated. Approximately 40% (or 16,000 tonnes) of waste going to landfill in CKL is C&D. Therefore, diversion of this waste stream from landfill could significantly extend the site life of our landfills. As well, C&D materials are bulky and challenging to compact in a landfill taking up needless volume that could be otherwise purposed for residential or other waste. Furthermore, many materials generated through C&D activities have value and can be recycled for other products or even used as a fuel source.

For all of these reasons, C&D waste is a potential valued resource if managed properly and an important material type to divert from City landfills to extend landfill site life.

As per the Reclay C&D Feasibility Study from 2017, the primary recommendation was for the City to implement a pilot C&D recycling program at both the Fenelon and Lindsay Ops landfill sites. It should be noted that through Reclay's research there is insufficient volumes of C&D waste received at the other landfills (i.e. Somerville, Eldon and Laxton landfills) to justify a business case for C&D recycling at those sites. However, there may be future opportunity to divert C&D waste from these more remote landfills to another site where they can be consolidated for processing or other reuse.

In order to accurately assess the savings of a C&D program and determine how best to implement one, Staff in consultation with Reclay and the Waste Management Task Force, developed and recommended a pilot C&D program. The program and associated budget was approved by Council to run from March 1, 2018 to December 31, 2019 and later extended to December 31, 2020.

A competitive request for proposal (RFP) process was undertaken in January of 2018 to secure a third-party contractor to transport and process the C&D material from Lindsay ops and Fenelon landfills. The RFP requested quotes and a plan for containing, transporting, and processing wood, drywall, or a mixed bin of C&D materials which would include wood waste, drywall, aggregates, glass and shingles. Unfortunately, the City received no submissions for the RFP. The likely reason was that in the current market, quantities and commodity pricing



for the C&D materials was not high enough to justify transportation costs for end use processing.

The city continued to look for opportunities to divert C&D waste and had undertaken pilot related work:

- In 2018 the City began separating and chipping wood waste at the Lindsay Ops Landfill to be used as cover and as road base at the landfill
- In April of 2019 the City contracted Durham Disposal to transport and recycle clean wood waste. This program ran successfully for 6 months at the Lindsay Ops landfill and resulted in diverting 45.54 tonnes of material from landfill. The program was neutral as it cost \$150/tonne to the contractor and at the same time saved the cost of landfill space at \$150/tonne
- In the spring of 2019, the City contracted a company for drywall recycling. The contractor charged \$50 per tonne for processing and the City also paid for transportation of this material at \$650 per bin. This program ran successfully at both the Lindsay Ops and Fenelon landfills, diverting approximately 3.43 tonnes from Fenelon and 30.9 tonnes from Lindsay Ops. The total cost of this program was \$5,643.15 however the savings in landfill space offset the cost by approximately \$5,149.50.
- In December of 2019, Staff sent out a request for quote for a clean wood recycling program to run for the duration of 2020. Unfortunately, no bids were received for this work. Staff reached out to the previous contractor Durham Disposal to ask why they did not bid and in further negotiations and an alternative more inclusive agreement was made. Instead of just clean wood waste the contractor was interested in transporting and processing mixed construction and demolition material (including clean wood waste drywall and other materials) from the Lindsay Ops landfill for \$150 per tonne. This agreement was based on tonnages received as is able to run for the duration of 2020, or until the budget is depleted.
- On June 1, 2020, the mixed Construction and Demolition recycling program started running at Lindsay Ops. The start of this program was delayed due to the pandemic state, and the landfills being closed to the public. After starting on June 1<sup>st</sup>, after the first two weeks, over 15 tonnes of material were diverted from the Lindsay Ops landfill.

As this recent opportunity starting June 1/2020, to divert large amounts of C&D material from the Lindsay Ops landfill has started, there is great potential for this program to be get more efficient and save landfill space.

As this program was delayed in starting due to the pandemic state, and as there are limiting factors (such as the allowance of only ten vehicles onsite at a time), staff feel that this program has not been able to fully represent the large amount of diversion it could bring to the Lindsay Ops landfill. Therefore, staff are recommending a further extension on this pilot program, to gather a full year's information. The current 2020 budget could allow up to 1000 tonnes of material being diverted from the Lindsay Ops landfill. Staff feel that another year of data would give a much better indication of how the City should proceed in the future, and the budget that would be required.

The quantity of C&D waste generated continues to far exceed the amount of municipal solid waste generated. As well, C&D materials are bulky and are challenging to compact in a landfill. For these reasons it is important to continue exploring options for C&D diversion from the landfill in order extend the life of the City's landfills.

Due to the delay in the 2020 program starting, Staff are recommending the following:

**That** Council approve an extension of the pilot to December 31, 2021 with consideration of an operating budget of \$155,000 in 2021; and

**That** Staff report back to Council on the success of the construction and demolition waste recycling pilot program by June 30, 2021 with future program recommendations and associated budget.

Staff are requesting council to consider operating budget approval of \$155,000 for the Lindsay Ops landfill in 2021 for continuance of this pilot program to December 2021. The cost of the program has the potential to be offset by deferral of capital due to landfill space savings.

With the diversion program, a load of construction and demolition material arrives and is diverted. The City is cash negative by \$30, being the cost of diversion (\$150) minus the tipping fee (\$120). However, the City remains capital positive by \$150, since the landfill space is unused. Therefore, the City's total asset value is also negative \$30.

So, without diversion the City has a capital expense of \$30 tonne, whereas with diversion the City has a cash expense of \$30 tonne. Therefore, the diversion program is neutral from a total "asset value" perspective.

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The following is a table representing the amount of materials that have been diverted from landfill since the pilot program started:

Year	Material	Tonnages Diverted from Landfill
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2018	Clean Wood Waste	0 (Volume of the material was decreased)
2019	Clean Wood Waste	45.54
	Drywall	34.33
2020	Mixed Construction/Demolition Materials	<b>15 to date</b> (Possibility of diverting up to 1000 tonnes)