



**The Regional Municipality of Durham**  
**Energy from Waste-Waste Management**  
**Advisory Committee**

**Tuesday, November 23, 2021**

**7:00 PM**

**Council Chambers**

**Regional Headquarters Building**

**605 Rossland Road East, Whitby**

In an effort to help mitigate the spread of COVID-19, and to generally comply with the directions from the Government of Ontario, **it is requested in the strongest terms that Members participate in the meeting electronically**. Regional Headquarters is closed to the public, all members of the public may view the [Committee meeting via live streaming](#), instead of attending the meeting in person. If you wish to register as a delegate regarding an agenda item, you may register in advance of the meeting by noon on the day prior to the meeting by emailing [delegations@durham.ca](mailto:delegations@durham.ca) and will be provided with the details to delegate electronically.

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**1. Roll Call**

**2. Declarations of Interest**

**3. Adoption of Minutes**

- |    |  |                |
|----|--|----------------|
| A) | Of the EFW-WMAC meeting held on September 28, 2021       | Pages 4 to 9   |
| B) | Of the EFW-WMAC special meeting held on October 14, 2021 | Pages 10 to 13 |

**4. Announcements**

**5. Presentations**

There are no presentations.

**6. Delegations**

There are no delegations.

**7. Correspondence**

There are no items of correspondence.

**8. Administrative Matters**

- A) Update by Greg Gordon, EFW-WMAC Chair, and Phil Haylock, EFW-WMAC Vice Chair, regarding the finalization and presentation of the EFW-WMAC 2021 Annual Report for presentation to Durham Region's Works Committee on December 8, and to the Municipality of Clarington's Council on December 13, 2021

**Under Separate Cover**

- B) EFW-WMAC Work Plan – Next Steps

**9. Other Business**

- A) Update by Gioseph Anello, Director, Waste Management Services, the Regional Municipality of Durham, regarding Durham Region's Organics Management Project.
- B) Update by Gioseph Anello, Director, Waste Management Services, the Regional Municipality of Durham, regarding Extended Producer Responsibility.
- C) Update by Gioseph Anello, Director, Waste Management Services, the Regional Municipality of Durham, regarding the Durham York Energy Centre.

**10. Date of Next Meeting**

Tuesday, February 22, 2022 at 7 p.m.

**11. Adjournment**

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Written information (either paper or electronic) that you send to Durham Regional Council or Committees, including home address, phone numbers and email addresses, will become part of the public record. This also includes oral submissions at meetings. If you have any questions about the collection of information, please contact the Regional Clerk/Director of Legislative Services.

## **The Regional Municipality of Durham**

### **Minutes**

#### **Energy From Waste – Waste Management Advisory Committee**

**Tuesday, September 28, 2021**

A meeting of the Energy From Waste – Waste Management Advisory Committee was held on Tuesday, September 28, 2021 in Council Chambers, Regional Headquarters, 605 Rossland Road East, Whitby, at 7:00 PM. In accordance with Provincial legislation, electronic participation was permitted for this meeting.

#### **1. Roll Call**

Present: G. Gordon, Whitby, Chair  
W. Baszyk, Brock  
V. Daram, Ajax  
S. Elhajjeh, Clarington  
R. Fleming, Pickering  
P. Haylock, Clarington, Vice-Chair  
K. Meydam, Clarington  
G. Rocoski, Oshawa  
J. Vinson, Clarington

Absent: None

#### **Non-Voting Members**

Present: A. Burke, Senior Planner, Special Projects, Municipality of Clarington  
Councillor Jones, Local Councillor, Municipality of Clarington  
L. Kwan, Environmental Specialist, Covanta  
W. Marsden, Acting Facility Manager, Covanta  
Councillor Joe Neal, Regional Councillor  
D. San Juan, Environmental Health Specialist, Health Department, Durham Region

#### **Staff**

Present: G. Anello, Director of Waste Management Services  
R. Inacio, Systems Support Specialist – Information Technology  
L. Malyjasiak, Works Technician 3, Waste Services, Works Department  
A. Porteous, Supervisor of Waste Services  
S. Glover, Committee Clerk, Corporate Services – Legislative Services

**2. Declarations of Interest**

There were no declarations of interest.

**3. Adoption of Minutes**

Moved by G. Rocoski, Seconded by G. Gordon,  
That the minutes of the EFW-WMAC meeting held on  
Tuesday, May 25, 2021, be adopted.  
CARRIED

**5. Announcements**

There were no announcements.

**6. Presentations**

There were no presentations.

**7. Delegations**

There were no delegations.

**8. Correspondence**

There were no correspondence items.

**9. Administrative Matters**

**A) EFW-WMAC Comments on Durham Region's Long-Term Waste Management Plan (LTWMP) (2020-2040)**

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A. Porteous provided an update regarding the status of the Long-Term Waste Management Plan (LTWMP). She advised that a draft plan, executive summary, and targets and actions summary was put together over the Summer. She further advised that Phase 2 of the plan opened on September 20, 2021 and that the deadline for public comments is October 25, 2021.

A. Porteous advised that a virtual public open house is available at [www.durhamwasteopenhouse.ca](http://www.durhamwasteopenhouse.ca), and staff will be hosting a live town hall event scheduled for October 19, 2021. She advised that next steps will be to review the consultation feedback from the various committees, departments, stakeholders, and the public, make changes if needed, and then prepare a report and a presentation that will be presented to Regional Council in early 2022 for approval.

G. Anello added that Committee members are also able to submit comments on an individual basis until October 25, 2021.

Staff responded to questions regarding whether the LTWMP targets address the new blue box regulations; how the energy generated from Durham's waste will be used; the extended hours for waste operation facilities stated in the LTWMP; the potential use for landfill sites and converting them to greenspace; how the methane production on existing landfills in Durham Region is being captured/managed and whether it can be used for energy production; and how the increase of multi-residential buildings would affect the LTWMP targets.

Discussion ensued regarding the innovation aspect of the LTWMP and what the Committee could work on independently to address concerns with waste diversion. G. Anello advised there are a number of problematic materials with respect to diversion such as polystyrene (expanded and rigid) and plastic film that need to be addressed. He advised that he will send the list of problematic materials to G. Gordon to review.

B) EFW-WMAC Work Plan (2021-2022)

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G. Gordon reviewed the draft EFW-WMAC work plan with the Committee members.

It was the consensus of the Committee that a special EFW-WMAC meeting be called in order to accept Committee comments on the LTWMP's Targets and Actions, and to approve the 2021-2022 EFW-WMAC Work Plan.

**10. Other Business**

A) Update by Gioseph Anello, Director, Waste Management Services, the Regional Municipality of Durham, regarding Durham Region's Organics Management Project

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G. Anello provided an update regarding Durham Region's Organics Management Project.

G. Anello advised that the Request for Proposals (RFP) went out in August 2021 and will remain open until March 2022 to receive responses from the pre-qualified proponents. He further advised that staff will report back to Committee and Regional Council in June 2022 regarding the preferred proponent.

Staff responded to questions from the Committee regarding whether mediation between the Region and the Municipality of Clarington is still ongoing; and who the three selected proponents for the organics management project are.

B) Update by Gioseph Anello, Director, Waste Management Services, the Regional Municipality of Durham, regarding Extended Producer Responsibility

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G. Anello provided an update regarding Extended Producer Responsibility (EPR).

G. Anello advised that the Region will be transitioning the Blue Box in 2024 to EPR which will mean that producers will be responsible for organizing, collecting, processing, and marketing of the blue box materials. He advised that the Region has a deadline of this week to identify who is currently receiving Blue Box services through the Region. He further advised that the City of Toronto will be transitioning to EPR in 2023 and that staff will be monitoring that closely.

C) Update by Gioseph Anello, Director, Waste Management Services, the Regional Municipality of Durham, regarding the Durham York Energy Centre

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G. Anello provided an update regarding the Durham York Energy Centre (DYEC).

G. Anello advised that the DYEC is currently undergoing its Fall scheduled maintenance and that both boilers will be down for about 10 days for cleaning and inspection. He advised that the DYEC has processed about 69,000 tonnes of garbage, recovered 1,700 tonnes of metals, and generated roughly 53,000 megawatts of electricity for sale to the grid for the first half of the year. He further advised that the boilers have been operating at about 90% availability. The high heat value of the waste has resulted in a by-pass of waste. He added that 9,000 tonnes of waste was sent to alternate disposal landfills for the first half of the year.

G. Anello advised that the preliminary results of the Spring Source Stack Test are available and that the results were very good. He advised that there will be a report presented to Committee and Council in the near future. He highlighted the following results:

- Dioxins and Furans measured 4.1 picograms for Boiler #1, and 7.4 picograms for Boiler #2 where the limit is 60 picograms per metre cubed
- Total Suspended Particulate Matter measured 0.78 milligrams for Boiler #1, and 0.25 milligrams for Boiler #2 where the limit is 9 milligrams per cubic metre

- Lead measured 0.44 micrograms for Boiler #1, and 0.32 micrograms for Boiler #2 micrograms where the limit is 50 micrograms per metre cubed
- Mercury measured 0.086 micrograms for Boiler #1, and 0.081 micrograms for Boiler #2 where the limit is 15 micrograms per metre cubed

G. Anello advised that Matt Nield, Plant Manager, Covanta retired at the end of August, and that William (Bill) Marsden will be his temporary replacement. He advised that the Chief Operating Officer of the DYEC will be Acting Plant Manager in B. Marsden's absence. He also advised that Amanda Huxter, Environmental Specialist, Covanta has retired and Lydia Kwan, Environmental Specialist, Covanta is her replacement.

G. Anello advised that staff have a final draft for the streamlined Environmental Assessment that will be provided to the Ministry of the Environment, Conservation and Parks for a final review. They have one month to review and if any comments are received, staff would make the appropriate changes and submit a final version to the Ministry of the Environment, Conservation and Parks by the end of 2021.

G. Anello responded to questions from the Committee regarding whether any Lakeridge Health facilities in Durham Region send their medical waste to incinerators; and an update regarding the emergency Environmental Compliance Approval (ECA) amendment application.

In response to a question from the Committee regarding which Committee the report regarding the Spring source stack test results would be considered at, G. Anello advised the report will be considered by the Works Committee and then Regional Council, but a copy of the report can be emailed to the EFW-WMAC Committee members for their information.

**11. Next Meeting**

The next regularly scheduled meeting of the EFW-WMAC will be held on Tuesday, November 23, 2021 in Council Chambers, at 7:00 PM, Regional Headquarters, 605 Rossland Road East, Whitby.

**12. Adjournment**

Moved by K. Meydam, Seconded by G. Gordon,  
That the meeting be adjourned.

CARRIED



The meeting adjourned at 8:32 PM.

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G. Gordon, Chair, Energy from Waste –  
Waste Management Advisory Committee

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S. Glover, Committee Clerk

## **The Regional Municipality of Durham**

### **Minutes**

#### **Energy From Waste – Waste Management Advisory Committee**

**Thursday, October 14, 2021**

A special meeting of the Energy From Waste – Waste Management Advisory Committee was held on Thursday, October 14, 2021 in Council Chambers, Regional Headquarters, 605 Rossland Road East, Whitby, at 7:02 PM. In accordance with Provincial legislation, electronic participation was permitted for this meeting.

#### **1. Roll Call**

Present: G. Gordon, Whitby, Chair  
W. Baszyk, Brock  
V. Daram, Ajax  
R. Fleming, Pickering  
P. Haylock, Clarington, Vice-Chair attended the meeting at 7:10 PM  
K. Meydam, Clarington  
G. Rocoski, Oshawa attended the meeting at 7:10 PM

Absent: S. Elhajjeh, Clarington  
J. Vinson, Clarington

#### **Non-Voting Members**

Present: Councillor Janice Jones, Local Councillor, Municipality of Clarington  
L. Kwan, Environmental Specialist, Covanta  
B. Marsden, Facility Manager, Covanta

#### **Staff**

Present: G. Anello, Director of Waste Management Services  
R. Inacio, Systems Support Specialist – Information Technology  
A. Porteous, Supervisor of Waste Services  
S. Glover, Committee Clerk, Corporate Services – Legislative Services

#### **2. Declarations of Interest**

There were no declarations of interest.

#### **3. Administrative Matters**

A) EFW-WMAC Comments on Durham Region's Long-Term Waste Management Plan (LTWMP) (2021-2040) Draft Targets and Actions

Detailed discussion ensued regarding adjustments to the Region's battery and electronics collection programs, and potential issues if recycling bins are changed to carts similar to those used in the City of Toronto.

Further discussion ensued regarding waste collection at new multi-residential developments. Staff advised that there is guidance in regard to the road widths within new developments. If the road width is not large enough for regional collection vehicles, that would mean they would not receive service from the Region but would still be obliged to obtain private services for the waste collection. Staff also responded to questions regarding organics collection at multi-residential buildings, and whether or not developers can be encouraged or mandated to install under the sink garburators as a possible solution to organics management. Comments were received and retained by staff for consideration.

Moved by R. Fleming, Seconded by B. Bastzyk,  
That the following EFW-WMAC comments on the Durham Region's Long-Term Waste Management Plan (LTWMP) (2020-2040) be approved and forwarded to staff for consideration:

Battery Collection Containers:

- Provision of a rectangular box resembling a 9-volt battery, constructed of heavy cardboard or plastic instead of a bag to potentially increase the quantity of batteries collected and keep more batteries out of the regular garbage.

Electronic Item Collection:

- Inclusion of an annual electronic waste collection drive whereby electronic waste would be set out by the resident on a specific day for pick up from the curb for recycling, to potentially reduce the amount of electronics that are placed in the regular garbage.

Organics Management in New Developments:

- Under the collection mandate, encourage or mandate developers to install under the sink garburators in new multi-residential developments.

CARRIED

B) EFW-WMAC Work Plan (2021-2022)

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Detailed discussion ensued regarding the proposed EFW-WMAC Work Plan including partnering with local libraries to offer information regarding backyard composting or indoor composting; conducting individual research on various waste topics; optimization of the Brock/Scugog Waste Transfer station; and how the EFW-WMAC could assist with the long-term waste management plan.

G. Anello advised that staff will be hiring a consultant to look at opportunities for the optimization of the Brock/Scugog Waste Transfer Stations and will be bringing that forward to the EFW-WMAC for their input.

In response to a question regarding Industrial, Commercial, and Institutional (ICI) sector waste as it relates to organics, G. Anello advised that organic waste from the ICI sector is not within the Region's mandate, but that staff will be looking at organics management in multi-residential units and single dwelling homes.

In response to a question from V. Daram regarding the volume of propane bottles and ink cartridges that the Region collects in a year and how those items can be recycled, G. Anello advised that staff are looking to find an agency that will recycle those items, but that staff would have to get back to V. Daram directly regarding the volume collected.

Moved by R. Fleming, Seconded by K. Meydam,  
That we recommend to the Works Committee for approval  
and subsequent recommendation to Regional Council:

That the proposed 2021-2022 EFW-WMAC Work Plan be amended as follows, and as amended, be approved:

Under the heading of Section 4. strike out "2021-2022 EFW-WMAC Members and" so that Section 4 will now be titled "Workplan Elements";

Delete all of Section 4.1 up to and including the heading "Workplan Goals";

Under Section 5. Workplan Tasks, rename Item #2 from "Green Bin Usage" to "Increased Organics Diversion";

Under Section 5 Workplan Tasks, add a new part ii. to Item #4 Waste Pre-Sorting that reads, "Communication outreach for home-based pre-sorting"; and

Under Section 7. Community Outreach and Stewardship (potential actions), add an additional bullet that reads, “For example - composting, organics diversion, with a requirement to notify Works staff beforehand”.

CARRIED

**4. Adjournment**

Moved by K. Meydam, Seconded by R. Fleming,  
That the meeting be adjourned.

CARRIED

The meeting adjourned at 8:04 PM.

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G. Gordon, Chair, Energy from Waste –  
Waste Management Advisory Committee

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S. Glover, Committee Clerk