

## **The Regional Municipality of Durham**

### **Minutes**

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

**Thursday, May 24, 2018**

A meeting of the Energy From Waste – Waste Management Advisory Committee was held on Thursday, May 24, 2018 in the Lower Level Boardroom (LL-C), Regional Headquarters, 605 Rossland Road East, Whitby, at 7:07 PM.

Present: G. Rocoski, Oshawa, Chair  
W. Bracken, Clarington  
A. Burrows, Ajax  
E. Collis, Clarington  
P. Nelson, Brock  
J. Vinson, Clarington

Absent: P. Ankrett, Scugog, Vice-Chair  
J. Hicks, Clarington

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

Present: F. Langmaid, Manager of Special Projects  
Councillor Joe Neal, Regional Councillor, Municipality of Clarington  
D. San Juan, Environmental Health Specialist, Health Department,  
Durham Region

#### **Staff**

Present: G. Anello, Manager, Waste Planning and Technical Services, Works  
Department, Durham Region  
S. Penak, Committee Clerk, Corporate Services – Legislative  
Services, Durham Region  
R. Ignacio, Systems Support Specialist – Information Technology

#### **Also**

Present: M. Neild, Facility Manager, Covanta

The Committee observed a moment of silence for the passing of Regional Chair Roger Anderson.

#### **1. Declarations of Interest**

There were no declarations of interest.

**2. Adoption of Minutes**

Moved by J. Vinson, Seconded by A. Burrows,  
That the minutes of the EFW-WMAC meeting held on  
Thursday, March 1, 2018, be adopted.  
CARRIED

**3. Announcements**

There were no announcements made.

**4. Presentations**

There were no presentations to be heard.

**5. Delegations**

There were no delegations to be heard.

**6. Correspondence**

There were no correspondence items to be considered.

**7. Administrative Matters**

A) EFW-WMAC Terms of Reference: Term of Membership

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A copy of the Terms of Reference was received as Attachment #2 to the EFW-WMAC agenda.

Discussion ensued regarding the composition and membership of the Committee, and the decision to remain at a 2 year term with a maximum of three consecutive terms, versus a 4 year term.

Moved by P. Nelson, Seconded by W. Bracken,  
That the term of membership for the Energy from Waste –  
Waste Management Advisory Committee remain at a two  
year term, up to a maximum of three consecutive terms, as  
currently stated in the Committee's Terms of Reference.  
CARRIED

Further discussion ensued regarding the ability to hold a meeting in November if deemed necessary by the Committee.

**8. Other Business**

- A) Update by Mirka Januszkiewicz, Director, Waste Management Services, in follow up to the EFW-WMAC meeting of March 1, 2018, regarding Attachment #2 to Committee of the Whole Report #2018-COW-11 and the requested cost breakdown for direct costs to process the waste; capital financing costs not including collection; and, any remaining cost
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In the absence of M. Januszkiewicz, G. Anello provided an update regarding the requested breakdown for direct costs to process the waste; capital financing costs not including collection; and any remaining costs.

G. Anello advised that staff consulted with staff from the Finance department to acquire the following costs from the first year of operations in 2016 for the Durham York Energy Centre:

- A) Disposal including the depreciation amount for capital – \$8 million
- B) Cost for landfill liability and ongoing perpetual care costs – \$2 million
- C) A pilot project was undertaken that diverted construction and demolition tonnage which reduced tonnage and therefore increased the cost/tonne. This resulted in the cost of \$228/tonne of waste disposed. If the amortization and the landfill liability costs are removed the costs are \$142/tonne.

G. Anello answered questions from the Committee regarding how the \$142/tonne compares to others; and how much is paid to Covanta.

- B) Update by Mirka Januszkiewicz, Director, Waste Management Services, on the Organics Management Request for Information (RFI)
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In the absence of M. Januszkiewicz, G. Anello provided an update on the Organics Management Request for Information (RFI). He advised the Committee that they received 19 respondents from the RFI. These included 16 respondents from Ontario, 1 from Quebec and 1 from Europe. From the technical assessment, Finance staff will update the preliminary business case that was completed June 2017. He noted that the possibility of having a business partnership, the consideration of a phased-in approach, and the need for an interim solution for 5 years, was investigated.

G. Anello stated that an anaerobic digestion system is the way that the industry is moving in regards to organics management, and at the June 6, 2018 Committee of the Whole meeting, a report will be

presented on the results, recommendations, and a financial update on the RFI.

W. Bracken raised a concern regarding the Committee not having the opportunity to provide advice and input with respect to moving towards Anaerobic Digestion as the Region's preferred waste management system, as well as other proposals that the Region received from the RFI.

Clarification was provided regarding the purpose of the Special Council Meeting held May 23, 2018, which was to provide Council with an introduction to organics management technologies; details of the current waste management system; technology drivers; proposed solutions; and potential business partnerships/relationships.

Discussion ensued regarding source separated organics and sending the organic fraction from the mixed waste facility to the aerobic processing which could result in lower grade compost. Further discussion ensued regarding insufficient enforcement when it comes to what goes into garbage bags; the need for more public education or a clear bag policy; and whether there is a mandatory recycling by-law. A. Burrows questioned how many tickets have been given out by By-law Enforcement Officers. G. Anello stated he would get back to A. Burrows directly with that information.

G. Anello answered questions from the Committee regarding what resident source separation would look like; whether the P3 Operator for the Surrey, British Columbia (BC) Plant was one of the respondents of the RFI; what kind of facility is the Surrey, BC plant; the effects that China Sword is having on the disposal of paper products in Durham Region; what an anaerobic digestion facility would cost; and whether the respondents of the RFI state what compost product they would produce out of the facilities (compost, fertilizer, or biofuel).

G. Anello advised the Committee that there are available funds in the budget if there was interest in visiting a facility such as the Bio-En Power Inc. Transfer Station in Elmira, Ontario.

C) Update by Mirka Januszkiewicz, Director, Waste Management Services, on the Food and Organic Waste Framework

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Report #2018-INFO-74: Update on the Provincial Food and Organic Waste Framework, was emailed to the Committee prior to the meeting.

In the absence of M. Januszkiewicz, G. Anello provided an update on the Food and Organic Waste Framework. He informed the Committee

that the Food and Organic Waste Framework was released at the end of April, and the Framework consists of the Action Plan and Policy Statement.

G. Anello stated that the number one objective of the Framework is to reduce food and organics waste; obtain resources from food waste; and support infrastructure resulting in a circular economy. The action plan consists of an organics disposal ban starting in 2022 at the landfill sites and the DYEC. The policy statement establishes a food recovery hierarchy that includes reducing food waste; feeding people; and recovering resources. He also stated that the target for organics waste diversion for residential buildings is 70%, and 50% for multi-residential buildings.

G. Anello answered questions from the Committee regarding the collection of waste at Durham Region headquarters and where the waste goes; source separation at Durham Region headquarters; and the challenges of collecting waste from multi-residential buildings in Durham Region.

D) Update by Mirka Januszkiewicz, Director, Waste Management Services, on Extended Producer Responsibility for Recyclables

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Report #2018-INFO-75: Update on the Status of the Transition to Full Extended Producer Responsibility for the Blue Box Program and Impacts of China's National Sword Campaign on the Blue Box Program, was emailed to the Committee prior to the meeting.

In the absence of M. Januszkiewicz, G. Anello provided an update on Extended Producer Responsibility for Recyclables. G. Anello advised the Committee that due to the stalled progress to transition to full extended producer responsibility (EPR) under an Amended Blue Box Program Plan, the Region of Durham will maintain a 'business-as-usual' approach. He also advised that Regional staff will continue to pursue alternative market opportunities for Durham's blue box material.

G. Anello noted that the diversion programs for tires, waste electronics and electrical equipment (WEEE), and municipal hazardous and special waste (MHSW) under the Waste-free Ontario Act, will continue to move forward.

G. Anello answered questions from the Committee regarding the impacts of China's National Sword Campaign on the Region's blue box Program.

E) Update on the Durham York Energy Centre (DYEC)

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In response to a question, G. Anello provided an update on the DYEC.

G. Anello advised the Committee that the next source test will be completed during the week of May 28 – June 1, 2018 and staff will provide an update once the results have been received.

In response to a question, M. Neild, Covanta, provided an update on the carbon monoxide exceedance that occurred at the DYEC on March 2, 2018. He informed the Committee that there was a 1 hour block at 7pm on Unit 2, where the boiler was running at 48 milligrams/cm when the actual limit is 40 milligrams/cm. At that time Unit 2 was shut down, checked, corrected and restarted. M. Neild also informed the Committee that as a result of this, the standard operating procedures were improved and strengthened the operations.

M. Neild responded to questions regarding what combustion instability is; and when a report would be coming forward regarding the continuous dioxin/furans sampling device known as the AMESA. G. Anello noted that staff have committed to consult with the Ministry of the Environment and Climate Change (MOECC) on a work plan moving forward on the AMESA; the idea of correlation; and how this information would be used going forward.

G. Anello responded to questions of the Committee regarding whether there has been other exceedances since the last EFW-WMAC meeting that was held March 1, 2018; whether Benzo(a)pyrene was evaluated in the ambient air report during the environmental assessment and have the levels changed; when the Committee would receive the results from the May 28, 2018 stack test; a correlation between AMESA sampling information and stack testing information; and how the particulate matter (PM) 2.5, 24 hr average within the monitoring stations is tracking currently.

Councillor Joe Neal asked where the community enhancement money is being spent and if Covanta is able to provide that information. G. Anello advised that he would look into that and follow-up with C. Baker, Covanta.

**9. Next Meeting**

The next regularly scheduled meeting of the EFW-WMAC will be Thursday, August 23, 2018 in the Lower Level Boardroom (LL-C), at 7:00 PM, Regional Headquarters, 605 Rossland Road East, Whitby.

**10. Adjournment**

Moved by P. Nelson, Seconded by A. Burrows,  
That the meeting be adjourned.

CARRIED

The meeting adjourned at 8:46 PM.

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

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S. Penak, Committee Clerk