

The Regional Municipality of Durham

Minutes

Energy From Waste – Waste Management Advisory Committee

Tuesday, September 24, 2019

A meeting of the Energy From Waste – Waste Management Advisory Committee was held on Tuesday, September 24, 2019 in Room LLC, Regional Headquarters, 605 Rossland Road East, Whitby, at 7:00 PM.

Present: G. Rocoski, Oshawa, Chair
S. Elhajjeh, Clarington, Vice-Chair
W. Baszyk, Brock
W. Bracken, Clarington
A. Burrows, Ajax
T. Farrell, Brock
C. McLean, Ajax
K. Meydam, Clarington

Absent: H. Sukhu, Clarington

Non-Voting Members

Present: F. Langmaid, Manager of Special Projects
Councillor Joe Neal, Regional Councillor, Municipality of Clarington
attended the meeting at 7:32 PM
M. Neild, Facility Manager, Covanta attended the meeting at 7:57 PM
D. San Juan, Environmental Health Specialist, Health Department,
Durham Region

Staff

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

1. Declarations of Interest

There were no declarations of interest.

2. Adoption of Minutes

Moved by W. Bracken, Seconded by A. Burrows,
That the minutes of the EFW-WMAC meeting held on
Thursday, May 28, 2019, be adopted.

CARRIED AS AMENDED

The Committee requested that the wording be clarified on Page 3, of the May 28, 2019 EFW-WMAC minutes under Item 4, Paragraph 1, second sentence to now read as follows:

G. Anello informed the Committee that the Environmental Assessment (EA) includes: the intent of the EA; what it is; the participants; the estimated timelines; and a consultation plan. He advised that staff asked for approval in January 2019 to commence the streamlined EA to go from 140,000 tonnes to 160,000 tonnes and \$60,000 for consulting assistance for drafting the Terms of Reference for the 250,000 tonnes expansion which was deferred by Council until June 26, 2019 and that staff report back to Committee.

3. Announcements

There were no announcements made.

4. Presentations

A) Presentation by Gio Anello, Manager, Waste Planning and Technical Services, The Regional Municipality of Durham, re: the 2019 Solid Waste Management Servicing and Financing Study (2019-COW-3)

G. Anello provided a PowerPoint presentation regarding the 2019 Solid Waste Management Servicing and Financing Study. A copy of his presentation was provided at the meeting.

Highlights of the presentation included:

- Solid Waste Management
- 2019 and Forecast: Solid Waste Management
 - Priorities
 - Risks & Pressures
- Waste Management Servicing and Financing Study
 - 80% of the budget non-discretionary (Contracts)
 - 15% of the budget on staffing
 - 5% of the budget discretionary (Managed by Waste Management Services)
- Drivers:
 - Facility Capacity
 - Growth
 - Regional Council Direction for 70% Diversion

- Legislation Changes
- Budget Operational Pressures
- Financial Risks
- Financial Next Steps
- Conclusion – 2019 Servicing and Financing Study
- 2019 Servicing and Financing Study

G. Anello responded to questions regarding Report #2019-COW-3 that states that exceedances can be expected; concerns with tightening regulations for ambient air monitoring of sulfur dioxides and nitrogen oxides; the Municipality of Clarington air shed and the incinerator being an emitter of nitrogen oxides; Durham's population increasing since 2010 along with the associated garbage generation; and the capital requirements for drafting the Terms of Reference for the Environmental Assessment (EA) for the future 250,000 tonne expansion of the DYEC.

M. Januszkiewicz responded to questions regarding the extended producer responsibility (EPR) program and requirements of foreign producers. She advised that the new EPR program applies to all producers of packaging, tires, and electronic waste in Canada, but also applies to first importers.

G. Anello advised that he could provide the following documents to the Committee and will ensure they are posted on the DYEC website:

- The Ministry report regarding the air shed quality in the Municipality of Clarington;
- Baseline monitoring report at the time of the original EA, that assessed the ambient air at the Courtice Station;
- The agency review completed at the time of the original EA, that was sent out to individual experts such as Health Canada for their input.

In response to a question from W. Bracken, regarding there being no per capita statistics over the years presented at the first Public Information Centre (PIC) held on August 21, 2019, M. Januszkiewicz advised that staff will calculate this amount and get back to her directly.

Discussion ensued regarding diversion costing more than disposal; how effective the education programs have been with the public; and concerns with the lack of by-law enforcement in Durham Region. Staff advised that a key component in education promotion is about changing attitudes of the public which can be difficult to measure. Staff also advised that this year the education and promotion

program has been re-branded to focus more on reaching the community through modern means (i.e. social media).

- B) Presentation by Gio Anello, Manager, Waste Planning and Technical Services, The Regional Municipality of Durham, re: The Durham York Energy Centre Streamlined Environmental Assessment (140,000 to 160,000 tonnes per year)
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G. Anello provided a PowerPoint presentation regarding the Durham York Energy Centre Streamlined Environmental Assessment (140,000 to 160,000 tonnes per year). A copy of his presentation was provided at the meeting.

Highlights of the presentation included:

- Presentation Outline
 - Durham York Energy Centre History
- Capacity Amendment to 160,000 Tonnes Per Year
- Durham York Energy Centre 140,000 to 160,000 Tonnes Per Year
- Impact on Emissions
- Environmental Screening Process (140,000 to 160,000)
- Benefits
- Durham Region's Share of Operating Costs
- Timelines

G. Anello advised that the environment assessment (screening process) is a proponent driven, self-assessment process available to waste management projects that requires:

- A completion of a detailed Screening Criteria Checklist that verifies potential environmental effects;
- A written report that details if any potential environmental effects will need to be mitigated; and
- Notification to the public of the commencement of the screening, consultation on issues or concerns, consultation on mitigation measures, and public notice of completion.

G. Anello responded to questions regarding the lack of supporting information at the last Public Information Centre (PIC) with respect to the environmental impact's checklist; projected environmental savings; concern over Ontario Regulation 419/05 being outdated; and comparing the ambient air values with up-to-date values for nitrogen oxide and sulfur dioxide.

In response to a question referencing the Emissions Summary Dispersion Model used for the 140,000-tonne assessment, G. Anello

advised that he will follow-up with the consultant to confirm how they used the waste heat values in the two scenarios.

W. Bracken stated that she will gather the following information for nitrogen oxide and sulphur dioxide ambient air levels and forward it to the Committee: the date Ontario Regulation 419/05 levels came into effect; the new Canadian Council of Ministers of the Environment (CCME) standards; and what should be used by Owners in the emissions assessment.

In response to a question, M. Januszkiewicz advised that staff would follow-up with the Ministry of the Environment, Conservation and Parks to determine what constitutes a standard and an objective and bring this information to the next EFW-WMAC meeting.

C) Presentation by Gio Anello, Manager, Waste Planning and Technical Services, The Regional Municipality of Durham, re: The Draft Terms of Reference for the Durham York Energy Centre Expansion to Process 250,000 tonnes per year

G. Anello provided a PowerPoint presentation regarding the Draft Terms of Reference for the Durham York Energy Centre Expansion to Process 250,000 tonnes per year. A copy of his presentation was provided at the meeting.

Highlights of the presentation included:

- Durham Region Disposal Needs (Update June 2019)
- Process for Terms of Reference
- Environmental Assessment (EA) Terms of Reference
- Durham York Energy Centre (DYEC) Oversized Components for 250,000 Tonnes Per Year
- Conclusions

G. Anello advised that a Terms of Reference is not an environmental assessment (EA) but outlines what work and studies will be done during the EA stage. He also advised that the proponent does not need to do the work or studies at the Terms of Reference stage.

G. Anello responded to questions regarding next steps once the Terms of Reference have been drafted and expected timelines for completion; public consultation on the draft Terms of Reference; building flexibility into the Terms of Reference with respect to possible future legislative and regulatory changes; and the importance of including all necessary and required information in the draft Terms of Reference.

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 Budget

G. Rocoski advised that the EFW-WMAC has a small budget and asked if there was interest in touring any of Durham's waste facilities. The consensus of the Committee was that they would like to tour as many sites as possible.

G. Rocoski advised that he could put a list of facilities together and circulate it to the Committee for review.

M. Januszkiewicz advised that the best day for staff to visit any facility would be on a Monday. She advised that there is no collection on Mondays, just regular maintenance taking place.

8. Other Business

A) Update by Gio Anello, Manager, Waste Planning and Technical Services, The Regional Municipality of Durham, re: The Durham York Energy Centre (DYEC)

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

G. Anello advised that the Spring source test report has been finalized now and the results were well below standards. He also advised that the Fall source test occurred the week of September 9, 2019, and preliminary results should be available in a few weeks.

Detailed discussion ensued with respect to concerns expressed that Durham Region staff do not receive the monthly AMESA data. G. Anello advised that once the AMESA cartridge data becomes correlated with the stack test results, it is used for trend analysis. Prior to the correlation, the AMESA data would be considered invalid.

B) Update by Gio Anello, Manager, Waste Planning and Technical Services, The Regional Municipality of Durham, re: Organics Management

G. Anello provided an update regarding Organics Management.

G. Anello advised that staff are currently working with the consultant, GHD Ltd., to put together the schedule, the legislation review, commence the siting exercise, and development of the RFQ. He advised that staff will be reporting back to Council this Fall with an update.

M. Januszkiewicz responded to questions regarding how the Organics Management Strategy would impact the incinerator. In response to a question, G. Anello advised that staff have not created another projection on growth analysis, but that will most likely occur in Spring 2020.

With respect to forthcoming negotiations with Epcor and details regarding the City of Edmonton facility, M. Januszkiewicz advised that Report #2019-COW-22: Organics Management Solution – Expression of Interest Process and Next Steps Including Site Identification Criteria and Anti-Lobbying Protocol, and Report #2019-WR-10: City of Edmonton Waste Management Centre will be on the September 25, 2019 Regional Council agenda for consideration. She also advised that another report with respect to Anaerobic Digestion (AD) and the Request for Qualification (RFQ) planning is scheduled for November/December 2019. Details of this report will include Durham's processes; recommendations on a preferred site; and the RFQ process.

It was noted that the EFW-WMAC motion that was passed at the May 28, 2019 EFW-WMAC meeting was presented to the Works Committee on September 4, 2019 and received for information.

It was also noted that at the June 26, 2019 Council meeting an amendment was made to Part C) of Report #2019-COW-3: 2019 Solid Waste Management Servicing and Financing Study so that it now reads as follows:

"That staff be authorized to commence **drafting the Terms of Reference for** the Environmental Assessment (EA) for the DYEC expansion to process 250,000 tonnes per year, including retaining consulting assistance at a cost not to exceed \$60,000".

C) Update by Mirka Januszkiewicz, Director, Waste Management Services, The Regional Municipality of Durham, re: The transition of the Blue Box to Extended Producer Responsibility

M. Januszkiewicz provided an update regarding the transition of the blue box to Extended Producer Responsibility (EPR).

M. Januszkiewicz advised that the biggest shift in the waste industry is EPR. She also advised that there are different elements of EPR.

She stated that tires are subject to EPR already, and regulations will be coming forward for electronics and batteries.

M. Januszkiewicz advised that first importers will have to pay to process and collect the materials, and then make them into new products. She also advised that the blue box program will be 100% funded by the producers will no longer be under municipal jurisdiction. Staff are currently working on how the Region of Durham will transition to EPR because it will impact the collection, processing and marketing of Durham's recyclables. She advised that the Province will make the standard with respect to what goes in the blue box and what else will be subject to this program.

M. Januszkiewicz advised that a comprehensive report is anticipated to go to Council in January 2020, that will be consistent with other regions about how the strategy will move forward. She also advised that she will bring another update to the November 26, 2019 EFW-WMAC meeting, and at that time hopefully have a discussion about compostable plastics.

M. Januszkiewicz responded to questions regarding the EPR timelines from the Province; public consultation organized by the Association of Municipalities of Ontario (AMO); and negotiations with Epcor to establish a joint venture/partnership with the Region on its long-term organics waste management solution.

M. Januszkiewicz advised that she will put a chart together of the projected timelines for EPR that was shared by the Minister of the Environment, Conservation and Parks and bring it back to the Committee.

Discussion ensued regarding the EFW-WMAC taking a position on compostable plastics and the possibility of the Committee hosting a public information session to invite speakers from AMO, specifically Dave Gordon, Senior Advisor, Waste Diversion, to discuss this issue. M. Januszkiewicz advised that the closest public consultation session is being held in Smith Falls.

9. Next Meeting

The next regularly scheduled meeting of the EFW-WMAC will be held on Tuesday, November 26, 2019 in the Lower Level Boardroom (LL-C), at 7:00 PM, Regional Headquarters, 605 Rossland Road East, Whitby.

10. Adjournment

Moved by T. Farrell, Seconded by C. McLean,
That the meeting be adjourned.

CARRIED

The meeting adjourned at 9:38 PM.

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

S. Penak, Committee Clerk