

Waste Management Committee Meeting Agenda

May 7, 2018

2:00 p.m.

Doris Room

City Hall

Pages

1. **Call to Order**
2. **Election of Officers**
 - 2.a Chair
 - 2.b Vice Chair
3. **Confirmation of Minutes**
 - 3.a November 6, 2018 1 - 5
4. **Disclosure of Pecuniary Interest**
5. **Consent Agenda - 6.a. 6.b.**
6. **Reports and Communications**
 - 6.a Update on the Leaf and Yard Waste Facility at the County/City Waste Management Facility Report WMC18-001 6 - 9
 - 6.b Update on the Landfill Gas Facility at the County/City Waste Management Facility Report WMC18-002 10 - 12
7. **Other Business**
8. **Next Meeting - June 18, 2018**
9. **Adjournment**



**Waste Management Committee
Minutes
City of Peterborough
November 6, 2017
Draft Minutes Not Approved**



Minutes of a Meeting of the Waste Management Committee Held on November 6, 2017, in the Doris Room, City Hall

The meeting of the Waste Management Committee was called to order by Councillor Senis at 2:04 p.m. in the Doris Room, City Hall.

Present:

Councillor Nelson, County of Peterborough
Councillor Senis, County of Peterborough, Chair
Councillor Bonneau, County of Peterborough
Councillor Vassiliadis, City of Peterborough
Councillor Baldwin, City of Peterborough

Regrets:

Councillor Pappas, City of Peterborough

Staff:

Chris Bradley, Director of Public Works, County of Peterborough
Wayne Jackson, Director of Utility Services, City of Peterborough
Don Briand, Waste Management Site Operator, Landfill, City of Peterborough
Kendra Sedgwick, Committee Coordinator, City of Peterborough

Minutes – October 16, 2017

Moved by Councillor Bonneau

That the minutes of the Waste Management Committee meeting held on October 16, 2017, be approved.

“CARRIED”

Disclosure of Pecuniary Interest

There were no disclosures of Pecuniary Interest.

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Consent Agenda

No items were passed as part of the Consent Agenda.

**Director of Utility Services, City of Peterborough
Report WMC17-009
Final 2018 Draft Budget Submission**

Moved by Councillor Baldwin

That Waste Management Committee endorse the recommendation as outlined in Report WMC17-009 dated November 6, 2017 of the Director of Utility Services, as follows:

That the final Draft 2018 Budget for the Peterborough County/City Waste Management Facility as detailed in Appendices A and B of Report WMC17-009 dated November 6, 2017 be accepted and recommended for adoption as part of the City of Peterborough budgeting process.

“CARRIED”

**Director of Utility Services, City of Peterborough
Report WMC17-010
Neal Drive Odour Study by AECOM**

Moved by Councillor Vassiliadis

That the Waste Management Committee approve the recommendations as outlined in Report WMC17-010 dated November 6, 2017 of the Director of Utility Services as follows:

- a) **That the results of the Odour Study on Neal Drive as detailed in Report WMC17-010 be accepted:**
- b) **That staff be requested to initiate the detailed design, any necessary approval applications and construction of a Carbon Absorption Unit to resolve the odour problems presently being encountered on Neal Drive;**
- c) **That funding for the work detailed in Recommendation B come from funds already allocated in the draft 2018 County/City Waste Management Facility budget; and**

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- d) That staff report back to the Waste Management Committee on the progress of this work and any future requirement for additional funds.

“CARRIED”

**Director of Utility Services, City of Peterborough
Report WMC17-011
Consideration of Tip Fee Exemption for Mattresses**

Moved by Councillor Baldwin

That the Waste Management Committee endorse the recommendations as outlined in Report WMC17-011 dated November 6, 2017 of the Director of Utility Services, as follows:

- a) That tipping fees charged to for-profit enterprises not be waived; and
- b) That Staff be requested to present a proposal for the waiving of certain tipping fees for charities.

“CARRIED”

**Director of Utility Services, City of Peterborough
Report WMC17-012
Estimated Remaining Life of the County/City Waste Management Facility**

Moved by Councillor Nelson

That the Waste Management Committee endorse the recommendation as outlined in Report WMC17-012 dated November 6, 2017 of the Director of Utility Services, as follows:

That Report WMC17-012 dated November 6, 2017 detailing the estimated remaining life of the County/City Waste Management Facility be received for information.

“CARRIED”

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**Director of Utility Services, City of Peterborough
Report WMC17-013
2018 Waste Management Committee Meeting Schedule**

Moved by Councillor Bonneau

That the Waste Management Committee endorse the recommendation as outlined in Report WMC17-013 dated November 6, 2017 of the Director of Utility Services, as follows:

That the following 2018 meeting dates for the Waste Management Committee be approved:

**Monday, January 29, 2018
Monday, March 12, 2018
Monday, May 7, 2018
Monday, June 18, 2018
Monday, September 17, 2018
Monday, November 19, 2018**

“CARRIED”

Other Business

There were no items of Other Business.

Next Meeting

The Chair indicated that the next meeting of the Committee is scheduled for January 29, 2018.

Adjournment

Moved by Councillor Baldwin

That this meeting of Waste Management Committee adjourn at 2:52 p.m.

“CARRIED”

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Kendra Sedgwick
Committee Coordinator

Councillor Senis
Chair



City of
Peterborough

To: **Members of the Waste Management Steering Committee**

From: **W. H. Jackson,
Commissioner of Infrastructure and Planning Services**

Meeting Date: **May 07, 2018**

Subject: **Report WMC18-001
Update on the Leaf and Yard Waste Facility at the County/City
Waste Management Facility**

Purpose

A report to update Waste Management Committee on the Leaf and Yard Waste Facility at the County/City Waste Management Facility and provide information on a new proposal for the processing of Organic Material at the County/City Waste Management Facility.

Recommendations

That the Waste Management Committee endorse the recommendations as outlined in Report WMC18-001 dated May 07, 2018 of the Commissioner of Infrastructure and Planning Services, as follows:

- a) That Report WMC18-001 describing the concept of an Organics Processing Facility at the County/City Waste Management Facility be received for information; and
- b) That staff be requested to report further on this issue as the plans are advanced.

Budget and Financial Implications

The present scenario will see organics processing being undertaken by a private firm operating on County/City lands at the County/City Waste Management Facility. It is

expected that an arrangement will be arrived at that will see some payment to the County/City for the rights to use these lands.

Background

The Waste Management Committee at its meeting of June 23, 2014 in considering Report WMC14-008 dealing with the City of Peterborough's Organics Strategy was apprised of the proposal to relocate the existing Harper Road Compost Site (Leaf and Yard material) to the County/City Waste Management Facility (the "Landfill").

Subsequently, via Report WMC16-001 dated January 25, 2016, Committee was updated on the proposal and was informed an application had been submitted to the Township of Otonabee-South Monaghan. The Township issued a Notice of Complete Application on February 16, 2016 and on June 26, 2017 a Public Planning Meeting was held at the Township offices.

Activities Since Public Planning Meeting

The matter of eliminating Source Separated Organics (SSO) or food waste from the waste stream ranks No. 1 in the City's Waste Management Master Plan with the potential for diverting in the order of 17% of the waste stream from the Landfill. The County's Waste Management Master Plan ranks the elimination of SSO from the Landfill as one of their first 5 year priority items. The main problems to implementing such a program were the lack of local processing capacity and the cost.

In May, 2017, as part of a Request for Proposals issued by the City, Triland Excavation and Haulage (Triland), a local firm, presented a scenario whereby they would be willing to process SSO and Leaf and Yard Waste material at a site they owned that was in close proximity to the City. Then, late in 2017 a grant program entitled "Municipal GHG Challenge Fund" (GHG Fund) emerged that matched what the City is trying to achieve in eliminating SSO from the waste stream.

On February 15, 2018, the City was informed that the application for funding was approved. This was an application for \$7,461,250 and was a joint application between the City and Triland. The application included the purchase of new delivery vehicles and the construction of a processing facility.

Change in Leaf and Yard Processing Facility at the Landfill

The success of the GHG Fund grant application has moved the project along significantly. At present, the City has engaged a consultant to assist with routing, vehicle selection and collection methods to implement SSO collection.

Triland, after receiving an unfavorable response from the MOECC on their original proposed site (east side of Bensfort Road opposite the Landfill), proposed a second site (Keene Road) that was still well within the travel parameters dictated by the City. This

second site, after a public meeting and discussions with Township representatives was deemed to not be ideal for a number of reasons. Emerging from all of the discussion around these first two proposed sites was the thought that maybe the best location would be at the Landfill where the Leaf and Yard Waste Facility is proposed to be located. In fact, this was highlighted at an Otonabee-South Monaghan Council meeting of April 9, 2018 where the following resolution was passed:

“THAT Council receive the CAO’s update re: OPA/ZBA for City/County Source Separated Organics Facility adjacent to Bensfort Landfill;

AND THAT Council concur with the CAO’s recommendation that any consideration of a proposed Composting Facility on Keene Road (including pre-consultation) be held in abeyance until such time as Tri-land and the City of Peterborough can explore the preferred alternative for a Source Separated Organics Facility immediately adjacent to the Bensfort Landfill with the County, Township and ORCA planners during the month of April;

AND FURTHER THAT, if the site adjacent to Bensfort Landfill is determined to be a viable alternative, that a presentation be made to Council in May/June of 2018 by the proponents outlining the proposal and next steps under the Planning Act;

AND FINALLY THAT, it be made clear that OSM Council Township is not endorsing nor is it supporting any biosolids facility at the Bensfort Road location or elsewhere in the municipality. CARRIED.”

Next Steps

A preliminary analysis seems to suggest that an organics processing facility to handle both Leaf and Yard Waste and SSO could be constructed on the same footprint as has been put forward for the Leaf and Yard Waste facility by itself. This is because of the different processing techniques being used. The Leaf and Yard Waste facility was using open windrows for composting while the newly proposed facility would use a Gore technology that would see the rows of composting material established in concrete cribs and covered by a Gore textile. This system processes the raw material much quicker thereby reducing the overall area needed and also manages and contains all odours.

The City’s consultant for the Leaf and Yard Waste Facility is now pulling together all of the files and technical data created during the application for approval of this facility. The intent is to turn this material over to the consultant for Triland so that they can proceed with the various studies and analysis necessary to make a full application to the Township of Otonabee-South Monaghan and to the MOECC for an amendment to the Landfill Environmental Compliance Agreement.

The public consultation arrangements will be finalized as part of the planning for this project. It is anticipated that a public planning meeting will be held as part of the Township approval process as well as a separate public meeting. Notification to the

appropriate stakeholders and adjacent landowners will be incorporated in the planning process.

It is expected because of the time required to attain all of the planning and Ministry agreements as well as the time necessary to order and receive the required collection vehicles that operation of the SSO processing facility at the Landfill will not begin until possibly September 2020.

Submitted by,

W. H. Jackson, P. Eng.
Commissioner of Infrastructure and Planning Services
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City of
Peterborough

To: Members of the Waste Management Steering Committee

From: W. H. Jackson, Commissioner of Infrastructure and Planning Services

Meeting Date: May 07, 2018

Subject: Report WMC18-002
Update on the Landfill Gas Facility at the County/City Waste Management Facility

Purpose

A report to update Waste Management Committee on the Landfill Gas Facility at the County/City Waste Management Facility.

Recommendations

That the Waste Management Committee endorse the recommendations as outlined in Report WMC18-002 dated May 07, 2018 of the Commissioner of Infrastructure and Planning Services, as follows:

- a) That Report WMC18-002 providing an update on the Landfill Gas Facility at the County/City Waste Management Facility be received for information; and
- b) That staff be requested to report further on this issue as necessary.

Budget and Financial Implications

There are potential budget and financial implications to the operation of the Landfill ranging from the possible cessation of the royalties presently received to possible additional operational costs and/or facility management costs.

Clarification of these costs will require more work and further discussions with Peterborough Utilities Inc.

Background

Peterborough Utilities Inc. (PUI) completed the construction and commissioning of its 1.6 MW LFG Generation Plant (GHG Plant) at the Landfill on May 11, 2013. The LFG Generation facility has operated consistently since, utilizing landfill gas that would otherwise have been flared.

Since commissioning of the GHG Plant, the Landfill has received the revenues shown in Table 1.

Table 1: Revenues Received from Operation of the GHG Plant

| No. | Year | Budgeted Amount (\$) | Actual Amount (\$) |
|----------|--------------|----------------------|--------------------|
| 1 | 2013 | 20,000 | 24,237 |
| 2 | 2014 | 20,000 | 39,820 |
| 3 | 2015 | 100,000 | 36,717 |
| 4 | 2016 | 75,000 | 28,371 |
| 5 | 2017 | 75,000 | 25,392 |
| 6 | TOTAL | 290,000 | 154,537 |

Current Situation

From Table 1, it can be seen that the GHG Plant is not operating at the level that was expected or planned for. The revenues received from this facility have not only fallen far short of expectations, they have decreased over the last 3 years.

The decreased revenues are not only a concern for the Landfill; they are also a concern for the facilities long term economic viability. At this point, PUI is exploring a number of alternatives with County and City representatives including:

- operational management actions,
- reduced royalties to the Landfill,
- a request for financial support from the Landfill, and/or
- asset write-down.

Next Steps

Further discussions are underway related to this project and what may need to be done to ensure it is economic viability.

The Committee should expect a future report(s) on this matter.

Submitted by,

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