

SECTION 1

MINUTES

THE REGIONAL COUNCIL OF DURHAM

Wednesday, May 23, 2018

The Council of The Regional Municipality of Durham met in the Council Chambers, Regional Headquarters Building, 605 Rossland Road East, Whitby, Ontario at 9:00 AM

Roll Call: All members of Council were present with the exception of Councillor Drumm, McLean, McQuaid-England, Rowett, Roy, Ryan
Councillor Foster left the meeting at 11:38 AM
Councillor Henry left the meeting at 10:55 AM
Councillor McQuaid-England attended the meeting at 9:10 AM and left the meeting at 11:48 AM
Councillor Parish left the meeting at 11:32 AM
Councillor Pickles left the meeting at 10:00 AM on municipal business
Councillor Pidwerbecki left the meeting at 11:50 AM
Councillor Rowett attended the meeting at 9:08 AM
Councillor Ryan was absent on municipal business and attended the meeting at 10:05 AM

Chair O'Connor introduced Pat Molloy, Mayor of Uxbridge and welcomed him onto Regional Council.

Declarations of Interest

There were no Declarations of Interest.

Education/Training Presentations

Opening Remarks

G. Cubitt, Chief Administrative Officer provided opening remarks outlining the purpose of the education and training presentations to be provided by staff.

Review of Agenda

M. Januszkiewicz, Director, Waste Management provided a review of the agenda and the topics to be discussed.

Session 1 – Introduction to Organics Management Technologies

G. Anello, Manager, Waste Planning and Technical Services; C. Bartlett, Manager, Waste Management; and M. Januszkiewicz, Director of Waste Management, provided a PowerPoint presentation with regards to an Introduction to Organics Management Technologies.

Highlights of the presentation included:

- Anaerobic Digestion (Complex)
- Anaerobic Digestion (Simple)
- In-Vessel (Aerobic)
- In-Vessel Process
- Illustration of the Pickering EBARA In-Vessel Aerobic Composting Facility
- Anaerobic Digestion (AD)
- Anaerobic Digestion Wet
- Anaerobic Digestion Dry
- Surrey British Columbia Biofuel Plant
- Comparison of Anaerobic Digestion vs Composting
- Technology Comparison
- Summary: Technology

Staff responded to questions with respect to the following:

- Was there a consortium as part of the partnership in Surrey, British Columbia; if it is working as expected; and if pet waste and diapers are accepted at the facility
- If the Region does not move to some type of Organics Management system, will lead to an expansion of the Durham York Energy Centre
- Odour control management plans and if a similar technology would be used as that at the odour control facility in Markham
- If a dry or wet system is more effective
- If the capacity at the facility in British Columbia is similar to one we would be looking at
- If bio-gas is used to fuel the fleet and if the fuel is bought back
- If the Region would be considering an odour control system similar to that used in Barcelona, Spain
- If issues with respect to anaerobic digestive foaming and acidification or over-acidification will be addressed through the technology
- If there is a low methane yield, will this impact operations?
- The difference between natural gas and bio-gas
- Safety issues with respect to methane gas and if this will be considered when determining a site for the facility
- Outputs of greenhouse gas emissions
- A pre-sort of waste being done to take organics out of waste stream and if a pre-sort facility would also be looked at
- How much additional food waste would be collected with a pre-sort

Moved by Councillor Parish, Seconded by Councillor Mitchell,
(128) That all questions from Council be held until after the staff presentations.

CARRIED

Session 2 – Where Are We Now: Current System

C. Bartlett, Manager, Waste Management; G. Anello, Manager, Waste Planning and Technical Services; and, M. Januszkiewicz, Director of Waste Management, provided a PowerPoint Presentation with regards to the Region's current collection and processing systems.

Highlights of the presentation included:

- Where We Are Now – Integrated Waste Management Systems (IWMS)
- Durham's IWMS – Collections
- Current IWMS – Standardized Services
- Durham's IWMS – Curbside Collection Diversion Programs
- Durham's IWMS – Processing (Infrastructure)
- Durham's IWMS – Processing (Waste Management Facilities)
- Durham York Energy Centre (DYEC) Waste Disposal
- Disposal at the DYEC 2017
- Summary: Current System

Session 3 – Technology Drivers

M. Januszkiewicz, Director, Waste Management; G. Anello, Manager, Waste Planning and Technical Services; and, C. Bartlett, Manager, Waste Management provided a PowerPoint Presentation with regards to Technology Drivers.

Highlights of the presentation included:

- Diversion
- Durham's Residential Waste – 2017
- Diversion Challenges
- Population Growth
- Growth
- DYEC Capacity
- DYEC Capacity Planning
- DYEC Capacity Updated
- DYEC Expansion
- Waste Free Ontario Act , 2016
- Strategy for a Waste-Free Ontario
- Food and Organic Waste Framework
- Circular Economy – 2018 and Beyond
- Summary: Drivers

Session 4 – Proposed Solution

C. Bartlett, Manager, Waste Management; G. Anello, Manager, Waste Planning and Technical Services; and, M. Januszkiewicz, Director of Waste Management, provided a PowerPoint Presentation with regards to a Proposed Solution.

Highlights of the presentation included:

- Mixed Waste Transfer and Pre-Sort Facility
- Mass Balance Recyclables
- Mass Balance Organics
- AD as Viable and Proven Technology
- Anaerobic Digestion Solution
- Merchant Capacity
- Organics Management, Drivers Analysis
- Summary: Proposed Solution

Session 5 - Business Partnership/Relationship

J. Hunt, Director of Legal Services, provided a PowerPoint presentation regarding the business partnership and relations for a Joint Venture.

Highlights of the presentation included:

- Joint Venture Overview
- Selecting a Joint Venture
- Process for Selecting a Joint Venture

Closing Remarks

M. Januszkiewicz, Director, Waste Management, provided closing remarks. She stated the Region of Durham has outgrown its current system, therefore staff will be recommending creating a “Made in Durham” solution which will:

- Achieve at least 70% diversion
- Address climate change
- Meet the needs of our growing population
- Meet or exceed the legislative requirements
- Optimize partnership and revenue sharing opportunities

Staff advised that a report will be forthcoming at the next Committee of the Whole meeting scheduled for June 6, 2018.

Questions & Answers

Council was given the opportunity to ask questions of staff. Staff responded to questions with respect to the following:

- Clarification on the total waste generated from Durham Region and if this is waste that has been collected and requires disposal
- If the Region's Advisory Committee's will have the opportunity to provide input on the organics management plan
- Streamlining the process at the Region's waste transfer facilities

- If the Industrial/Commercial/Institutional sector will be part of a potential partnership
- How does cap and trade fit into this as it relates to AD
- How long before the Durham York Energy Centre would have to be expanded
- The status of the business case for AD
- If there will be an analysis of the heat generated and how to utilize the energy created through AD
- If other models are being explored by the Region and if efficiency metrics be provided
- Clarification on the processing infrastructure and service delivery model
- Clarification on the food and organic waste framework and the fines being levied as part of the enforcement component of the new Waste Act
- The potential for a system where food waste that is not spoiled can be distributed to those who need it
- Clarification on the new legislation as it relates to banning food waste, and what it would mean if there is a change in Provincial government
- Clarification on diversion targets set for the IC&I sector which is enforceable
- What the Region's diversion targets would be if there was a pre-sort with AD
- What information will be coming back to Council in January 2019 and if staff is planning on doing an Information Session with the new Council
- If the local area municipalities will be consulted for their feedback
- How the Region will stay on track to ensure all legislative requirements are being met
- How AD would be funded
- If there is a plan going forward on how waste would be captured from facilities that are not owned by the Region
- If an increase in energy revenues as a result of an expansion of the DYEC is dependent on the Power Purchase Agreement
- The number of skilled jobs that would be created with an AD facility
- If municipalities currently operating a landfill will be able to sustain them with the new legislation

Confirming By-law

20-2018 Being a by-law to confirm the proceedings of Regional Council at their meeting held on May 23, 2018.

Moved by Councillor Aker, Seconded by Councillor Ashe,
(129) That By-law Number 20-2018 being a by-law to confirm the proceedings of the Council of the Regional Municipality of Durham at their meeting held on May 23 2018, be passed.

CARRIED

Adjournment

Moved by Councillor Collier, Seconded by Councillor Carter,
(130) That the meeting be adjourned.

CARRIED

The meeting adjourned at 12:02 PM

Gerri Lynn O'Connor, Regional Chair & CEO

Ralph Walton, Regional Clerk