

Regional Municipality of Durham

MINUTES

DURHAM REGION ROUNDTABLE ON CLIMATE CHANGE

May 11, 2018

A regular meeting of the Durham Region Roundtable on Climate Change was held on Friday, May 11, 2018 in Boardroom LL-C, Regional Municipality of Durham Headquarters, 605 Rossland Road East, Whitby at 1:00 PM.

Present: R. Gauder, Citizen Member, Chair
Councillor Ballinger, Works Committee
B. Bridgeman, Commissioner of Planning and Economic Development, Alternate, left the meeting at 2:29 PM
C. Desbiens, Citizen Member
Councillor Gleed, Health and Social Services Committee
T. Hall, Citizen Member
D. Hoornweg, Citizen Member
J. Kinniburgh, Citizen Member
H. Manns, Citizen Member
C. Mee, Citizen Member
K. Shadwick, Citizen Member
Councillor Mitchell, Planning & Economic Development Committee attended the meeting at 1:07 PM
B. Neil, Citizen Member
Z. Vonkalckreuth, Citizen Member

Absent: Regional Chair O'Connor
Councillor Ashe, Finance & Administration Committee
G.H. Cubitt, Chief Administrative Officer
R. Plaza, Citizen Member
J. Solly, Citizen Member
M. Vroegh, Citizen Member, Vice-Chair

Staff

Present: M. Januszkiewicz, Director of Waste Management
B. Kelly, Manager of Sustainability, Office of the CAO
S. Penak, Committee Clerk, Corporate Services – Legislative Services

1. Adoption of Minutes

Moved by Councillor Ballinger, Seconded by D. Hoornweg,
That the minutes of the regular Durham Region Roundtable on
Climate Change meeting held on March 9, 2018, be adopted.
CARRIED

2. Declarations of Interest

There were no declarations of interest.

3. How the Region of Durham will address the New Provincial Organics Framework

A) Mirka Januszkiewicz, Director of Waste Management, Region of Durham re: Ontario's Food and Organic Waste Framework

M. Januszkiewicz provided a presentation titled Ontario's Food and Organic Waste Framework. A copy of the Ontario's Food and Organic Waste Framework was provided as Attachment 2 to the agenda. A copy of the PowerPoint presentation was provided to the Committee prior to the meeting.

Highlights from the presentation included:

- Food and Organic Waste Framework
- Food and Organic Waste Framework Objectives
- Action Plan
- The Policy Statement
- Management of collected food waste
- The Policy Statement and Durham Region
- Durham Anaerobic Digestion Project
 - Organics Management Plan
- Organics and Sustainability
- Durham AD Project – Timeline

M. Januszkiewicz advised that the vision of the Food and Organic Waste Framework is that of a circular economy that moves towards zero food and organic waste and zero greenhouse gas emissions from the waste sector. She noted that the ban on food and organic waste from disposal will begin in 2022.

M. Januszkiewicz advised that there are four objectives to the Food and Organic Waste Framework. These objectives are: to reduce food and organic waste; recover resources from food and organic waste; support resource recovery infrastructure; and promote beneficial uses of recovered organic resources.

M. Januszkiewicz stated that the Province is currently working with the Government of Canada on preventing food waste. She also stated that the Policy Statement sets organics diversion targets for various sectors and geographic areas. Durham's diversion target is 70% for the single family sector and 50% for multi-residential by 2023. She informed the Committee that Durham is looking to maximize the value of its organics and that possible solutions would be to use the organic waste as fuel; take the surplus food to feed the need; and to use the food waste as animal feed.

M. Januszkiewicz stated that Report #2018-COW-98: Organics Management Request for Information Update was considered by Council on May 9, 2018. She advised the Committee that an additional report will be coming that will highlight next steps.

M. Januszkiewicz responded to questions from the Committee regarding details on the ban of the food and organic waste from disposal ban; whether Durham Region can sell its compost back to farmers similar to what Europe does; how much it costs for Spanish cities to run their anaerobic digesters; whether Durham has a policy for the industrial, commercial, and institutional (ICI) sector if the borders close for waste generated in Durham Region, and what restrictions are placed on organics in the ICI sectors' waste stream going across the border from the Province; the amount of waste Durham Region creates compared to other jurisdictions; justifications for a four garbage bag limit every two weeks; and any legislation forthcoming regarding extended producer responsibility in order for manufacturers to decrease their packaging.

M. Januszkiewicz informed the Committee that she would bring back a presentation on packaging to the Committee if there was interest and that she would provide the link to the full report on Blue Box Extended Producer Responsibility.

B. Kelly highlighted that Durham Region is ahead of the game regarding educating the public on how to reduce food waste and noted that in the Spring 2018 issue of Durham Works, all of page 10 is dedicated to promoting methods to the public on how to plan better and sharpen their food storage skills.

4. Storm Water Management Fee and Credit Program – Research and Recommendations Report

A) Professor Joel Baetz, Trent University at Durham GTA re: Storm Water Management Fee and Credit Program – Research and Recommendations Report

J. Baetz provided a presentation titled "Storm Water Management Fee and Credit Program – Research and Recommendations". A copy of the Storm Water Management Fee and Credit Program – Research and

Recommendations Report was provided as Attachment 3 to the agenda. A copy of the presentation was provided to the Committee prior to the meeting.

Highlights from the presentation included:

- Our Research Questions
- Process
 - Literature Reviews
 - Interviews
 - Case Studies
- Problem
 - Quality (Pollution)
 - Quantity (Flooding)
 - Liability (Lawsuits)
- Recommendations
- Criteria for Determining a Storm Water Management (SWM) Fee Program
- Participation Rates in Waterloo's Credit Program
- Principles for Effective Environmental Communication
- Multi-Phase Communication Strategy
- Research Team

J. Baetz highlighted the following two research questions which were the focus of this project: what is the best storm water management (SWM) fee and credit program for Durham's municipalities; and, what is the best communication strategy.

J. Baetz discussed the following recommendations:

- Implement a hybrid storm water fee program, with a flat rate for properties unconnected to water services and a tiered rate for properties connected to water and wastewater services;
- Develop a non-financial recognition program to acknowledge property owners' efforts to manage their own storm water;
- Develop all necessary datasets before creating the fee program;
- Develop a billing system that coordinates municipal property information with the Region's water bill;
- Form a single communications team to develop materials and implement a strategy tailored to various communities in the region;
- Designate a program coordinator to oversee all storm water management fee program responsibilities and projects;
- Develop a communications strategy that follows best practice guidelines and involves education and engagement; and
- Design and implement a multi-phase communication strategy.

J. Baetz advised the Committee that there are currently eight municipalities in Ontario with a storm water management fee program.

J. Baetz responded to questions of the Committee regarding low impact development; rain gardens; permeable pavement requirements in Minnesota; the extensive water reduction policy at York Region; and who pays for the storm water management fees, specifically in Waterloo.

B. Kelly thanked J. Baetz and his student researchers for all of their hard work and dedication to this project.

5. Keeping Our Cool – New Publication

A) Brian Kelly, Manager of Sustainability, Region of Durham re: Keeping Our Cool – New Publication

B. Kelly provided an update regarding the new publication titled “Keeping Our Cool: Managing Urban Heat Islands in Durham Region – 2018”, which was provided as a handout at the meeting.

B. Kelly advised that this publication arose from a previous presentation made at the February 9, 2018 DRRCC meeting and relates to pages 55 and 56 of the Community Climate Adaptation Plan. He noted the significant contributions made by Corporate Services - Information Technology, and Geographic Information System staff including R. Halko and J. Booth who did the mapping for this document. He also advised that this is a public document aimed at decision makers to provide information on urban heat islands in Durham; the evidence and explanation on what they are; the health effects and measures to mitigate urban heat islands.

B. Kelly stated the document includes individual maps of each municipality in Durham showing varying surface temperatures; priority health neighbourhoods; hospitals; daycares; vulnerable areas; areas to find relief from the heat; and more.

Discussion ensued regarding how this document will be distributed and potential results/benefits that will arise from this document.

6. Other Business

A) Futures Forum on Energy and the Environment – University of Ontario Institute of Technology (UOIT)

D. Hoornweg attended the Futures Forum on Energy and the Environment at UOIT on May 2, 2018 along with other members of the Committee. He noted that C. Desbiens and Z. Vonkalckreuth made their student presentation and it was well received.

D. Hoornweg noted that all information can be found on the website which includes the podcasts and presentation. He will send the link to B. Kelly.

B) Mitigating the Negative Impacts of Extreme Heat in Apartment Buildings – City of Toronto

B. Kelly advised that the following major recommendations regarding heat reduction standards and maximum allowable temperatures in rental units made by the City of Toronto's Licensing and Standards Committee were approved for further development:

- i) That all existing apartment buildings be required to provide air conditioned units or an air conditioned cool room in the building;
- ii) That all new apartment buildings be required to have air conditioning and add measures that enable passive cooling; and
- iii) That all apartment buildings be required to undergo retrofits, such as new windows, heavy-duty screens, cladding and other passive and active cooling systems, and updated heating systems to mitigate the negative health impacts of heat on tenants.

C. Mee noted that she followed up with the program manager in Toronto and that it was a different committee that came back and examined this issue with public health. This committee came back with the same recommendation that they do not support a maximum allowable temperature standard due to the lack of health information but it is encouraging to see continued interest in the issue.

C) California will require Solar Power for New Homes

B. Kelly informed the Committee that on May 9, 2018 the state of California Energy Commission voted unanimously to require all new houses built in California after 2020, and all apartment buildings less than three stories high, to have some form of solar power.

D) GreenON – Ontario Solar Incentives

B. Kelly informed the Committee that recently GreenON announced an incentive program that will offset a significant portion of the installation of a solar photovoltaic (PV) system or storage battery on commercial and residential properties. He noted that the residential incentives include \$1.00/per watt for residential Solar PV Systems and \$370/kilowatt hour for Residential Storage Systems.

7. Date of Next Meeting

The next regular meeting of the Durham Region Roundtable on Climate Change will be held on Friday, June 8, 2018 starting at 1:00 PM in Room LL-C, Regional Headquarters Building, 605 Rossland Road East, Whitby.

8. Adjournment

Moved by Councillor Ballinger, Seconded by Councillor Mitchell,
That the meeting be adjourned.

CARRIED

The meeting adjourned at 2:44 PM.

R. Gauder, Chair, Durham Region
Roundtable on Climate Change

S. Penak, Committee Clerk