



The Regional Municipality of Durham

Durham Environmental Advisory Committee Agenda

Thursday, May 20th, 2021

7:00 PM

Council Chambers
Regional Municipality of Durham Headquarters
605 Rossland Road East, Whitby

Please note: In an effort to help mitigate the spread of COVID-19, and to generally comply with the directions from the Government of Ontario, **it is requested in the strongest terms that Members participate in the meeting electronically**. Regional Headquarters is closed to the public, all members of the public may view the Committee meeting via live streaming, instead of attending the meeting in person. If you wish to register as a delegate regarding an agenda item, you may register in advance of the meeting by noon on the day prior to the meeting by emailing delegations@durham.ca and will be provided with the details to delegate electronically.

1. **Roll Call**
2. **Approval of Agenda**
3. **Declarations of Interest**
4. **Adoption of Minutes**
 - A) DEAC meeting of April 8th, 2021 ([Attachment 1](#))
5. **Presentation (45 minutes)**
 - A) Envision Durham Environment & Climate Change Policies, Amanda Bathe, Senior Planner
6. **Items for Discussion/Input (30 minutes)**
 - A) Update on DEAC Climate Resiliency Guide
 - B) Update from DEAC Environmental Awards Subcommittee
 - C) Update from DEAC Webinar Series Subcommittee

- D) Spring bee pollinator seedling distribution project update
- E) Town of Whitby [Comprehensive Zoning By-law Review](#)

7. For Information (15 minutes)

- A) Envision Durham memorandum, re: Climate Change and Environment Proposed Policy Directions Overview ([Attachment 2](#))
- B) ROPA 2021-002 [Notice of Complete Application and Public Meeting](#)
- C) Notice of Study Completion – Whitby Coastal Flood Risk Assessment and Municipal Class Environmental Assessment ([Attachment 3](#))
- D) [2021-INFO-36](#) Commissioner of Works – re: 2020 Annual Water Pollution Control Plants Performance Report
- E) [2021-INFO-40](#) Commissioner of Works – re: Durham York Energy Centre Annual Report Update
- F) [2021-INFO-45](#) Commissioner of Planning and Economic Development – re: Quarterly Report - Commissioner's Delegated Planning Approval Authority, and Summary of Planning Activity in the First Quarter of 2021
- G) [Durham Agricultural Advisory Committee minutes from its April 13, 2021 meeting](#)

8. Other Business (10 minutes)

9. Date of Next Meeting

Thursday June 17th, 2021

Notice regarding collection, use and disclosure of personal information:

Written information (either paper or electronic) that you send to Durham Regional Council or Committees, including home address, phone numbers and email addresses, will become part of the public record. This also includes oral submissions at meetings. If you have any questions about the collection of information, please contact the Regional Clerk/Director of Legislative Services.

If this information is required in an accessible format, please contact 1-800-372-1102 ext. 2097.

The Regional Municipality of Durham

MINUTES

DURHAM ENVIRONMENTAL ADVISORY COMMITTEE

April 8, 2021

A regular meeting of the Durham Environmental Advisory Committee was held on Thursday, April 8, 2021 in Council Chambers, Regional Municipality of Durham Headquarters, 605 Rossland Road East, Whitby at 7:00 PM. In accordance with Provincial legislation, electronic participation was permitted for this meeting.

1. Roll Call

Present: G. Carpentier, Scugog, Chair
O. Chaudhry, Pickering
S. Clearwater, Whitby
J. Cuthbertson, Clarington, Second Vice-Chair
R. Dickinson, Brock
C. Doody-Hamilton, Member at Large
B. Foxton, Uxbridge
G. Layton, Oshawa attended the meeting at 7:05 PM
K. Lui, Member at Large, First Vice-Chair
K. Murray, Member at Large
D. Nguyen, Youth Member
S. Panchal, Youth Member
B. Shipp, Member at Large attended the meeting at 7:15 PM
D. Stathopoulos, Member at Large
S. Yamada, Regional Councillor, Town of Whitby attended the meeting at 7:10 PM

***all members of the committee participated electronically**

Absent: M. Thompson, Ajax
J. Whalen, Post-Secondary Member

Staff

Present: S. Glover, Committee Clerk, Corporate Services – Legislative Services
R. Inacio, Systems Support Specialist, Corporate Services – IT
A. Luqman, Project Planner, Planning & Economic Development Department

2. Approval of Agenda

Moved by K. Murray, Seconded by D. Stathopoulos,
That the agenda for the April 8, 2021 DEAC meeting, as presented,
be approved.

CARRIED

3. Declarations of Interest

G. Carpentier made a declaration of interest under the Municipal Conflict of Interest Act with respect to Item 6. E) ROPA 2021-002 Regional Official Plan Amendment in the City of Pickering – Bunker Hill Golf Course. He indicated that he completed a survey at the Bunker Hill Golf Course 3 years ago.

4. Adoption of Minutes

Moved by S. Clearwater, Seconded by O. Chaudhry,
That the minutes of the regular DEAC meeting held on Thursday,
March 18, 2021, be adopted.

CARRIED

5. Presentations

A) Green Infrastructure, Yuestas David, Toronto Region Conservation Authority (TRCA)

Yuestas David, Toronto Region Conservation Authority (TRCA), provided a PowerPoint presentation regarding Green Infrastructure.

Highlights from the presentation included:

- Water Balance
- Grey Infrastructure – Stormwater Conveyance
- Green Infrastructure – Restore to Pre-Development Water Balance
- Stormwater Management Objectives
- Stormwater Quantity – Grey vs Green Infrastructure
- Stormwater Quality
- STEP's LID Life Cycle Costing Tool
- RSMeans – LID Life Cycle Costing Tool
- Green Infrastructure (GI) Cost Comparison
- Green Infrastructure Opportunity Assessment
- Objectives and Deliverables
- Inventory of RoP's Land Assets
- Typical Site Summaries
- LID Treatment Train Tool (Free)
- Function
 - Integration
- Typical Site Summary – Human Services
- GI/Site Design Considerations
- Pre – to Post – Green Infrastructure
- Human Services
 - SWM Results
 - GI Costs
- Example Installed Projects

- Kortright Bioretention
- Kortright Bioretention/Infiltration Chamber
- Co-Benefits of GI

Y. David responded to questions from the Committee regarding the difference between stormwater management (SWM) ponds and wet ponds; whether there is there an advantage of a bioswale over a typical SWM pond in that the plants chosen for the bioswale may trap contaminants whereas the SWM pond won't; what can be saved financially in grey infrastructure when a municipality invests in green infrastructure; the benefits of bioswales on the environment; high density developments not allowing for any landscaping; the depth of the samples obtained from the infiltration chamber and whether the samples were checked for pesticide residue; and whether the research into quantifying the co-benefits of green infrastructure ultimately qualify the cost of ecosystem services provided.

6. Items for Discussion/Input

A) Update on DEAC Climate Resiliency Guide

A. Luqman advised that the DEAC Climate Resiliency Guide was presented to the Planning & Economic Development Committee on April 6, 2021 and will subsequently be presented to Regional Council on April 28, 2021. Once approved by Regional Council there will be a formal launch that will include a public service announcement and a social media campaign. She also advised that J. Cuthbertson will be making a presentation to the Durham Region Roundtable on Climate Change Committee on April 16, 2021.

Discussion ensued regarding making a few hard copies of the guide available around the Region.

B) Update from DEAC Environmental Awards Subcommittee

A. Luqman advised that there were no further updates since the last DEAC meeting.

Discussion ensued regarding putting an ad in the local newspapers. A. Luqman advised that she would reach out to corporate communications for further information.

C) Update from DEAC Webinar Series Subcommittee

A. Luqman advised that she forwarded the proposed webinar schedule to B. Bridgeman, Commissioner of Planning & Economic Development.

Discussion ensued regarding the following potential webinar topics for the Fall:

- September – Lam Tran from LEAF to discuss the importance of urban forests, opportunities for community engagement and involvement, and environmental benefits;
- October – Chantal Whitaker, Sustainability Officer, City of Pickering to discuss sustainability initiatives in the City of Pickering; and
- Fall - Moranne McDonnell, Vice President, Distribution Operations, Elexicon, to discuss sustainable energy initiatives in Durham Region

Discussion also ensued regarding hosting a webinar that would discuss the creation of meadows or prairies and their development.

D) Spring Bee Pollinator Seedling Distribution Project Update

A. Luqman advised that the seeds have been purchased and that a draft design for the seed packet labels has been created. She advised that she confirmed with waste services staff that they are moving forward with their compost events where DEAC will be able to distribute the seed packets.

E) ROPA 2021-002 Regional Official Plan Amendment in the City of Pickering – Bunker Hill Golf Course

A copy of the ROPA 2021-002 Regional Official Plan Amendment in the City of Pickering – Bunker Hill Golf Course was provided to the Committee through SharePoint.

A. Luqman advised that this amendment would redesignate the subject site from prime area to major open space area and would include a redevelopment of the golf course. She advised that comments are requested by April 16, 2021.

Discussion ensued regarding how this amendment would contribute to long-term sustainability and the reduction of the Region's carbon footprint.

F) Envision Durham Memorandum, re: Climate Change and Environment Proposed Policy Directions Overview

A copy of the Envision Durham Memorandum, re: Climate Change and Environment Proposed Policy Directions Overview was received as Attachment #2 to the agenda.

A. Luqman advised that there will be a presentation at DEAC next month regarding the Envision Durham: Climate Change and Environment Proposed Policy Directions Overview.

7. For Information

- A) Commissioner's Report #2021-A-21 – Climate Change Update and Durham Region Corporate Climate Change Action Plan
- A copy of Report #2021-A-21 of the Chief Administrative Officer of Works was received.
- Discussion ensued regarding the importance of ensuring that carbon impacts are front and centre in all elements of Regional business in order to meet the targets outlined in Report #2021-A-21 of the Chief Administrative Officer.
- B) Commissioner's Report #2021-COW-3 – Regional Submission to the Ministry of the Environment Lake Simcoe Protection Plan 10-year Review
- A copy of Report #2021-COW-3 of the Commissioner of Planning & Economic Development and Commissioner of Works was received.
- C) Commissioner's Report #2021-INFO-26 – 2020 Annual Drinking Water Quality Report
- A copy of Report #2021-INFO-26 of the Commissioner of Works was received.
- Concern was noted with respect to the discrepancy between this report and Report #2021-INFO-10: 2020 Source Water Protection Annual Report that highlighted the use of pesticides, whereas this report did not.
- Discussion ensued regarding the difference in terminology used between the two reports to subclassify pesticides.
- D) Commissioner's Report #2021-INFO-27 – Staff Comments on Proposed Hazardous and Special Products Regulation Environmental Registry of Ontario #019-2836
- A copy of Report #2021-INFO-27 of the Commissioner of Works was received.
- E) Commissioner's Report #2021-INFO-31 – Canada Healthy Communities Initiative
- A copy of Report #2021-INFO-31 of the Commissioner of Finance was received.
- F) Commissioner's Report #2021-INFO-35 – Durham York Energy Centre Source Test Update
- A copy of Report #2021-INFO-35 of the Commissioner of Works was received.

G) DAAC minutes from its March 9, 2021 meeting

A copy of the March 9, 2021 DAAC meeting minutes was received.

Moved by S. Clearwater, Seconded by O. Chaudhry,
That Information Items 7A) and 7G) inclusive, be received for
information.

CARRIED

8. Other Business

A) Scugog Environmental Advisory Committee – Potential Tree Cutting By-Law

G. Carpentier advised that the Scugog Environmental Advisory Committee (SEAC) is proposing to talk to the residents of the Township of Scugog and ask them what they think about implementing a tree cutting by-law that would be different than the Regional by-law and would address smaller scale issues. He advised that the Committee is currently working through what type of questions they should ask the residents, and that education will be key in order to foster native trees and the use of proper terminology.

9. Next Meeting

The next regular meeting of the Durham Environmental Advisory Committee will be held on Thursday, May 20, 2021 starting at 7:00 PM in the Council Chambers, Regional Headquarters Building, 605 Rossland Road East, Whitby.

10. Adjournment

Moved by O. Chaudhry, Seconded by K. Murray,
That the meeting be adjourned.

CARRIED

The meeting adjourned at 8:31 PM

G. Carpentier, Chair, Durham
Environmental Advisory Committee

S. Glover, Committee Clerk



March 29, 2021

TO: Aneesah Luqman, Staff Liaison, Durham Environmental Advisory Committee (DEAC)

FROM: Amanda Bathe, Senior Planner

RE: Climate Change and Environment Proposed Policy Directions Overview

The Regional
Municipality
of Durham

Planning and Economic
Development Department

Planning Division

The Durham Environmental Advisory Committee (DEAC) has requested a synopsis of the climate change and environment related proposed policy directions presented through the Envision Durham Proposed Policy Directions Report.

While the following overview is helpful to highlight some key directions related to each topic, it is recommended that the Proposed Policy Directions Report be fully considered because proposed directions across topics are interrelated. The full report can be viewed [here](#).

Climate Change

The new Regional Official Plan (ROP) will include climate change specific policies through a Healthy Communities chapter. A proposed goal of this chapter is to prepare the built and natural environments to be low-carbon and climate-resilient.

In order to achieve this goal, it is proposed that the new ROP include policies related to:

1. Reducing greenhouse gas emissions (GHG) including by adopting Council-endorsed GHG emissions reduction targets, supporting sustainable design practices and a region-wide building retrofit program, encouraging renewable and alternative energy systems and promoting the uptake of electric/hybrid vehicles.
2. Supporting climate resilient development by encouraging area municipalities to establish guidelines, practices and incentives to improve energy efficiency and resiliency in new development, promoting measures to improve energy efficiency and water conservation; and requiring area municipalities to include sustainable design elements through site plan control.
3. Increasing air quality by promoting and facilitating alternative/active modes of transportation, improving energy efficiency of buildings, protecting and enhancing the natural environment and promoting intensification and compact built form.

*"Service Excellence
for our Communities"*

4. Protecting and increasing regional tree canopy by establishing a regional tree canopy target, considering tree preservation and planting through area municipal tree by-laws and development review and encouraging participation in tree planting initiatives (using native tree species) and land stewardship.

Protected Greenlands System

The current ROP contains two sections with policies related to the natural environment, Section 2: Environment and Section 10: Greenlands System. The new ROP is proposed to have one Protected Greenlands System chapter with the following goals:

1. Establish a protected Greenlands System that conserves, protects and enhances water and land resources for present and future generations; and
2. Protect, restore and enhance an interconnected Natural Heritage System and Water Resources System across the region.

To achieve these goals the new ROP will establish a Regional Natural Heritage System overlay with policies to protect, enhance and restore key natural heritage and key hydrologic features and functions and the linkages between them. It is proposed that vegetation protection zones be established within area municipal official plans.

Specific to features, underlying mapping will be updated to provide the highest and best available data within the NHS. Additionally, the Region's existing woodlands cover target will be evaluated based on the outcome of a Significant Woodlands Study (currently underway) and wetlands specific policies will be developed to support a goal of no net loss.

A water resources system will also be identified with associated policies to protect key hydrologic features, highly vulnerable aquifers, significant groundwater recharge areas and significant surface water contribution areas. Also related to water, applicable Lake Simcoe Protection Plan policies will be implemented as well as policies to protect sources of the Region's drinking water. Lastly, direction will be provided through the new ROP that climate change be a key consideration for watershed plan updates.

New policy areas are being proposed for the ROP including:

- Environmental Stewardship;
- Ecosystem Compensation;
- Invasive Species Management;
- Excess Soil Management; and

- Traditional Ecological Knowledge.

Policies under each of these topic areas will work together to ensure the protection, restoration and enhancement of the Regions natural environment.

For additional details, please review the Proposed Policy Directions ([Report #2021-P-7](#)) or visit the [online survey](#). Comments on the Proposed Policy Directions are being requested by June 30, 2021 (a 120-day commenting period).

Thank you,

Amanda Bathe, MCIP, RPP
amanda.bathe@durham.ca

In accordance with the Municipal Class Environmental Assessment process, the Project File Report will be placed on public record for a 30-day review period beginning April 8, 2021. Due to the ongoing COVID-19 pandemic situation, only digital copies are available from the Town of Whitby website at whitby.ca/studies

Written comments or questions should be sent to the Town of Whitby or CLOCA before May 16, 2021. (Contact information below)

Antony Manoharan, P. Eng.
Program Manager, Water Resources
Town of Whitby
575 Rossland Road East
Whitby, ON L1N 2M8
905.430.4925
manoharana@whitby.ca

Perry Sisson, P.Eng.
Director, Engineering and Field Operations
Central Lake Ontario Conservation Authority
100 Whiting Avenue
Oshawa, Ontario L1H 3T3
psisson@cloca.com

Dr. Bahar SM, P. Geo (Ltd), P. Eng.
Managing Director
AHYDTECH Geomorphic Ltd.
22 Zecca Drive
Guelph, ON, N1L 1T1
519-400-0264
bahar@ahydttech.ca

During the review period, if there are outstanding concerns that the Project may adversely impact constitutionally protected Aboriginal and treaty rights, which cannot be resolved in discussion with the Town, then a person or party may request that the Minister of the Environment, Conservation and Parks make an order for the Project to comply with Part II of the Environmental Assessment Act. Requests on other grounds will not be considered. This is referred to as a Part II Order, which addresses Individual Environmental Assessments.

Requests should specify what kind of order is being requested (request for additional conditions or a request for an individual/comprehensive environmental assessment), how an order may prevent, mitigate, or remedy those potential adverse impacts, and any information in support of the statements in the request. The request should be sent in writing or by email to all the following:

Minister of the Environment, Conservation and Parks
Ministry of Environment, Conservation and Parks
5th Floor, 777 Bay Street,
Toronto, ON M7A 2J3
minister.mecp@ontario.ca

Director, Environmental Assessment Branch
Ministry of the Environment, Conservation and Parks
135 St. Clair Ave. West, 1st Floor
Toronto, ON M4V 1P5
enviropemissions@ontario.ca

Personal information in this project will be collected under the authority of Section 11 of the Municipal Act, 2001 and will be used for information purposes only for this

Study. Questions regarding the collection and use of personal information should be directed to the Town of Whitby Freedom of Information and Protection of Privacy Office at 905.430.4300, extension 2287.

This Notice is issued on April 8, 2021.