



The Regional Municipality of Durham

Durham Region Roundtable on Climate Change Committee Agenda Friday,

May 21, 2021

10:00 AM

Council Chambers

Regional Headquarters Building 605

Rossland Road East, Whitby

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. Declarations of Interest

3. Adoption of Minutes

- A) DRRCC meeting of April 16, 2021 (Attachment #1)

4. Delegations

There are no delegations

5. Presentations

- A) Envision Durham Proposed Policy Directions: Climate Change and Sustainability – Amanda Bathe, Senior Planner
- B) Municipal Actions to Reduce GHG Emissions by Electrifying Urban Delivery – Maddy Ewing, Transportation Analyst, Pembina Institute (Attachment #2)
- C) Climate and Sustainability Program Update – Ian McVey, Manager of Sustainability, Durham Region

6. Items for Information and discussion

7. Correspondence

8. Other Business

9. Date of Next Meeting

June 18, 2021

10. Adjournment

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.

Regional Municipality of Durham

MINUTES

DURHAM REGION ROUNDTABLE ON CLIMATE CHANGE

April 16, 2021

A regular meeting of the Durham Region Roundtable on Climate Change was held on Friday, April 16, 2021 in the Council Chambers, Regional Municipality of Durham Headquarters, 605 Rossland Road East, Whitby at 10:00 AM. In accordance with Provincial legislation, electronic participation was permitted for this meeting.

1. Roll Call

Present: D. Hoornweg, Citizen Member, Chair
 B. Bridgeman, CAO Alternate
 Councillor Crawford, Works Committee left the meeting at 11:00 AM
 C. Desbiens, Citizen Member
 Regional Chair Henry attended the meeting at 10:54 AM
 Councillor Highet, Planning & Economic Development Committee
 J. Kinniburgh, Citizen Member
 J. Koke, Citizen Member
 Councillor Leahy, Finance & Administration Committee
 G. MacPherson, Citizen Member attended the meeting at 10:16 AM
 C. Mee, Citizen Member
 R. Plaza, Citizen Member
 K. Shadwick, Citizen Member
 J. Taylor, Citizen Member
 M. Vroegh, Citizen Member, Vice-Chair attended the meeting at 10:54 AM
***all members of the committee participated electronically**

Absent: Councillor Chapman, Health and Social Services Committee
 T. Hall, Citizen Member
 K. Senyk, Citizen Member

Staff

Present: S. Austin, Director of Strategic Initiatives
 R. Inacio, Systems Support Specialist, Corporate Services – IT
 M. Kawalec, Climate Change Coordinator, CAO Office
 A. Luqman, Project Planner, Planning & Economic Development Department
 I. McVey, Manager of Sustainability, Office of the CAO
 S. Glover, Committee Clerk, Corporate Services – Legislative Services

2. Declarations of Interest

There were no declarations of interest.

3. Adoption of Minutes

Moved by Councillor Highet, Seconded by Councillor Crawford,
That the minutes of the regular Durham Region Roundtable on
Climate Change meeting held on February 19, 2021, be adopted.
CARRIED

4. Delegations

There were no delegations.

5. Presentations

A) DEAC Residents' Guide to Climate Resiliency – Jay Cuthbertson, DEAC member

Jay Cuthbertson, DEAC member, provided a PowerPoint Presentation regarding the DEAC Residents' Guide to Climate Resiliency.

J. Cuthbertson advised that the Residents' Guide to Climate Resiliency is intended to provide residents with information on how to build climate resilience into their day-to-day lives by incorporating various lifestyle choices that will contribute to a cleaner and healthier Durham. He also advised that the Residents' Guide was identified as a high priority project in the Durham Environmental Advisory Committee's 2020 and 2021 workplans.

J. Cuthbertson advised that the Residents' Guide to Climate Resiliency consists of the following eight sections:

- Your Home
- Food
- Waste
- Health and Wellness
- Transportation
- Water
- Energy
- Businesses

J. Cuthbertson briefly outlined the practical information, tips and small changes included under each section. He concluded by advising that the Residents' Guide is available on the Regional website at durham.ca/DEACguide and will be promoted through a public service announcement and social media campaign.

In response to question from the Committee regarding whether the guide could be made available through the Durham Waste app, A. Luqman advised that she would follow-up with Waste staff.

I. McVey stated this would be a great opportunity for collaboration between DEAC and DRRCC and that staff could look into arranging thematic webinars centred around this guide.

B) Food Security Task Force Update and Next Steps – June Kinniburgh, Chair
Durham Community Climate Adaptation Plan Food Security Task Force

June Kinniburgh, Chair, Durham Community Climate Adaptation Plan Food Security Task Force, provided a PowerPoint presentation regarding a Food Security Task Force Update and Next Steps.

Highlights from the presentation included:

- Will residents of Durham Region have access to food during and in recovery from a climate related emergency?
- Inspiring Next Steps
- Durham Community Climate Adaptation Plan
- Task Force & Working Groups
- Global Food System Complexity
- Deciding Project Scope
- Goals
- Food Task Force Objectives
- What is food security and food insecurity?
- Emergency or Transitory Food Insecurity
- Accomplishments
- Some Themes Identified
- Next Steps
- Thank You
- Proposed Motion

I. McVey, on behalf of the Committee, thanked J. Kinniburgh and the task force for their hard work on this Report.

Moved by C. Mee, Seconded by Councillor Crawford,
That the Durham Region Roundtable on Climate Change
Committee recommends to the Finance & Administration
Committee for approval and subsequent recommendation to
Regional Council:

That the Durham Region Food Security Task Force Report – Inspiring Next Steps be endorsed as an addendum to the Durham Community Climate Adaptation Plan (DCCAP).

CARRIED

C) Ontario Power Generation Climate Change Plan – Jennifer Knox, Public Affairs Manager OPG

Jennifer Knox, Affairs Manager, Ontario Power Generation (OPG), provided a PowerPoint presentation regarding OPG's Climate Change Plan.

Highlights from the presentation included:

- Who We Are
- Our Assets
- Positioned to Lead
- Setting a Global Example
- Our Goals
 - Our Climate Goals
- Defining Net-Zero
- Our Guiding Principles
- Our Climate Actions
 - Mitigate
 - Adapt
 - Innovate
 - Lead
- Our Key Initiatives
 - Small Modular Reactors
 - Electrification
 - Darlington Refurbishment
 - Hydro Upgrades
 - Non-Hydro Renewables and Storage
 - Negative Emissions Technologies
 - Gas Generation
 - Adaptation and Asset Resiliency
 - Our Assumptions
 - Our Levers to Achieve Targets
- Our Action Plan
- Watch our Video
- Thank You

J. Knox responded to questions from the Committee regarding being a catalyst for change now as opposed to in 2050, as stated in the presentation; and, developing nature-based solutions for current buildings.

With respect to the nature-based solutions, I. McVey advised that it would be a great opportunity for the Region and OPG to collaborate, as well as connect with other OPG environment groups.

Discussion ensued regarding charging for employee parking at office buildings as a deterrent to driving to work as OPG could be a factor in the increase in greenhouse gas emissions; and, that it will be critical to get the

message out that greenhouse gas emissions will increase in the next to 5-10 years due to the closure of the Pickering nuclear site.

J. Knox advised that she would be able to provide a more fulsome update next year to the Committee.

D) Climate and Sustainability Program Update – Ian McVey, Manager of Sustainability, Durham Region

I. McVey, Manager of Sustainability, provided a PowerPoint presentation regarding a Climate and Sustainability Program Update.

I. McVey provided updates on the following projects:

- Update Items
 - Energy and Emissions
 - Adaptation and Resilience
- Energy Emissions
 - Approve Corporate GHG Reduction Targets
 - Carbon Budget Management Process
 - Corporate Climate Action Plan – Next Steps
 - Durham Home Energy Savings Program
 - E-Mission
 - District Energy Opportunity Analysis
 - Clarington Energy Park
- Climate Resilience
 - Flood Risk Assessment
 - Tree Planting Programs

I. McVey advised that next steps for the Corporate Climate Action Plan would include developing a project-level carbon accounting and forecasting tool; formalizing key performance indicators in collaboration with departments; advancing social housing retrofit demonstration projects; developing an investment-ready, portfolio-wide facility retrofit approach; and, working with departments to develop projects for ad hoc funding opportunities as part of the 2022 budget cycle.

6. Items for Information and Discussion

A) ONTech University Brilliant Energy Institute – Executive Director Recruitment

The ONTech University Brilliant Energy Institute – Executive Director Recruitment posting was provided as a link to the Committee for information.

Chair Hoornweg provided a brief explanation of the position.

B) Envision Durham Municipal Comprehensive Review – Proposed Policy Directions

The Envision Durham Municipal Comprehensive Review – Proposed Policy Directions was provided as a link to the Committee for information.

I. McVey advised that the comment period will remain open until June 30, 2021. He also advised that Planning staff could bring a presentation to the next DRRCC meeting to provide an overview of the proposed policy directions and the Committee could then discuss any comments they may have or any input they would like to provide.

C) Report #2021-A-3: 2021 Climate Change Update and Durham Region Corporate Climate Change Action Plan

Report #2021-A-3 of the Chief Administrative Officer was provided as a link to the Committee for information.

D) Report #2021-COW-3: Regional Submission to the Ministry of the Environment Lake Simcoe Protection Plan 10-year Review

Report #2021-COW-3 of the Commissioner of Planning & Economic Development and the Commissioner of Works was provided as a link to the Committee for information.

7. Correspondence

A) Correspondence from the Town of Ajax dated February 24, 2021, re: Gas-Fired Electricity

Moved by J. Taylor, Seconded by Regional Chair Henry,
That the correspondence from the Town of Ajax dated February 24, 2021, re: Gas-Fired Electricity be received for information.
CARRIED

8. Other Business

There was no other business.

9. Date of Next Meeting

The next regular meeting of the Durham Region Roundtable on Climate Change will be held on Friday, May 21, 2021 starting at 10:00 AM in the Council Chambers, Regional Headquarters Building, 605 Rossland Road East, Whitby.

10. Adjournment

Moved by Regional Chair Henry, Seconded by Councillor Highet,
That the meeting be adjourned.

CARRIED

The meeting adjourned at 11:28 AM.

D. Hoornweg, Chair, Durham Region
Roundtable on Climate Change

S. Glover, Committee Clerk

April 2021

Greg Pereira
Manager, Transportation Planning
Durham Region
605 Rossland Rd East
Whitby, ON L1N 6A3

Re: Municipal actions to reduce GHG emissions by electrifying urban delivery

Dear Mr. Pereira:

With the rise in urban delivery that sees more trucks on our streets, and the drive to lower greenhouse gas (GHG) emissions in Canadian cities, we are outlining the actions city transportation managers in the Greater Toronto and Hamilton Area (GTHA) can take to help local businesses and delivery fleet operators make the switch from internal combustion engine (ICE) vehicles to zero-emission vehicles (ZEVs).

Total GHG emissions in the GTHA are increasing, with road transportation representing one-third of the region's total emissions.¹ In Canada, freight emissions are expected to surpass those from passenger transport by 2030. Reducing freight emissions is therefore key to achieving municipal and regional climate targets and improving air quality. Reducing emissions by shifting to electric vehicles also boosts local economic development and innovation.

Our new [research](#) demonstrates that a switch to electric delivery vehicles in the region would be cost-effective for businesses (fuel cost savings ranging from \$3,800 to \$4,400 per vehicle, on average) and would result in significant GHG reductions (12 tonnes CO₂e per year — equivalent to taking 2.6 passenger cars off the road per vehicle replaced).

Despite innovation in other Canadian and global cities, and a high level of interest from industry actors (including businesses in Pembina Institute's [Urban Delivery Solutions Initiative](#)), not a single major business in the GTHA has integrated full-speed electric delivery vehicles into their fleet. Pilot programs are struggling to get off the ground as a result of low vehicle supply, incentives and resources. What this tells us is that supportive policy is needed.

As we underlined in a [report](#) in 2020, federal and provincial governments play a key role in increasing the supply and adoption of ZEVs in the freight sector. However, municipalities have

¹ Maryam Shekarzifard and Juan Sotes, Reality Check: Carbon Emissions Inventory in the Greater Toronto and Hamilton Area 2018 (2021). https://taf.ca/wp-content/uploads/2021/02/TAF_RealityCheck-Emissions-Inventory-2018.pdf

the planning authority to send market signals and accelerate a shift to commercial EVs. We urge municipalities to:

1. **Create a targeted commercial ZEV strategy and investment plan.** A specific strategy is needed to support the wide adoption of commercial ZEVs. Such strategy should include near and long-term adoption goals.
2. **Explore and leverage municipal financing tools.** A green debenture program could be a way to build out a network of charging infrastructure for municipal EVs, which could also be made available to private entities.
3. **Regulate commercial parking and loading.** Enhanced management and regulations for the curbside can be powerful tools to make more efficient use of the space, decrease congestion and truck idling time and incent the adoption of ZEVs. Examples of regulating commercial parking and loading include giving preferential access to ZEVs, pricing commercial loading zones, and allowing for deliveries during off-peak hours.
4. **Ensure regional co-ordination on urban freight.** A co-ordinated regional approach is needed so that municipalities can share learnings and speed up the adoption of zero-emission commercial vehicles and practices. This should include the use of low-emission zones that restrict the travel of high-polluting vehicles in parts of the region.
5. **Work with higher orders of government and stakeholders.** Engage with industry and civil society stakeholders to advance low-carbon freight initiatives. Encourage federal and provincial governments toward key policies and programs needed to increase the adoption of ZEVs in the freight sector, such as a national ZEV sales standard, financial incentives and investments in labour market programs. Work with energy regulators to explore the creation of a new electricity rate class to help minimize charging costs and ensure electricity grid capacity is sufficient for electrified fleets.

We welcome the opportunity to meet with city staff to discuss the ways in which the GTHA can advance economic and environmental goals, including the shift to electrified urban delivery vehicles.

Yours sincerely,

Carolyn Kim, MCIP RPP
Transportation Director, Pembina Institute

Maddy Ewing
Analyst, Pembina Institute

cc: Ian McVey, Manager of Sustainability
Victor Copetti, Planner