Hamilton Community Energy & Emissions Plan

Community Stakeholder Advisory Committee

Meeting #5 – Draft Plan Review, Implementation and Administration Framework

Meeting Summary

Date & time: June 10, 2022, 9:30-11:30 am

Location: Webex Conference Call

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Attendees

1. Trevor Imhoff (City of Hamilton, Healthy & Safe Communities, Air Quality & Climate Change)
2. Andrea McDowell (City of Hamilton, Healthy & Safe Communities, Air Quality & Climate Change)
3. Spencer Skidmore (City of Hamilton, Planning & Economic Development, Sustainable Communities)
4. Christine Newbold (City of Hamilton, Planning & Economic Development, Sustainable Communities)
5. Heidi Levitzky (Hamilton Industrial Environmental Association)
6. Ryan Hoeksma (Hamilton Wentworth Catholic District School Board)
7. Kevin Van Hartingsveldt (McCallumSather/Hamilton Burlington Society of Architects)
8. Michelle Diplock (West End Homebuilders Association)
9. Rafiq Dhanji (Sustainable Leadership)
10. Hugo Vargas (Alectra)
11. Mike Frisina (Alectra)
12. Ian Borsuk (Environment Hamilton)
13. Chris Hamilton (Enbridge)
14. Gillian Lind (Hydro One)
15. Denise Hussey (Hydro One)
16. Tony Cupido (Mohawk College)
17. Jim Cotton (McMaster University)
18. Ankur Mehrotra (Hamilton Community Energy Inc.)
19. Andy Sebastian (Stelco – Recent Retiree)
20. Julie Huizinga (Stelco)
21. Peter Hole (Stelco)

Meeting Objectives

- Provide an overview of the draft recommended CEEP actions;
- Provide an overview of the proposed administrative and governance framework for Hamilton's Climate Change Action Strategy;
- Provide an overview of the proposed municipal decision-making and funding mechanisms to support the Strategy's implementation;
- Provide summary of Hamilton's Climate Change Impact Adaptation Plan;
- Identify how CSAC members can continue to be involved through the implementation of the Strategy; and
- Provide an opportunity to CSAC members to provide feedback on the above,

Meeting Description

A virtual meeting to review the draft Community Energy and Emissions Plan and provide an opportunity for feedback was held.

- Presentations by City staff were given on:
    - the draft Community Energy & Emissions Plan (CEEP)
    - the adaptive actions developed for the Climate Change Impact Adaptation Plan (CCIAP) project
    - Governance and resourcing for Hamilton's Climate Change Strategy (both the CEEP and CCIAP)

- Committee members were invited to ask questions and provide feedback on both projects and the proposed governance and administrative recommendations.
- A follow-up Feedback Form was circulated to the Community Stakeholder Advisory Committee

Hamilton's Climate Action Strategy (CEEP, CCIAP, Governance & Administration)

[See meeting Powerpoint slides]

Feedback Summary

Participant Questions, Comments and Responses

<u>DRAFT Recharge Hamilton – Our Community Energy & Emissions Plan</u>

- Who will be on the Climate Advisory Committee? How will it have a role of accountability and transparency but also play a role in implementing action? It's important to get this right. Equity seeking groups, industry, member of council, community groups are key to being on the committee
  <u>*Response*</u>: Agreed that it is an important role and we have already had feedback about

separating the implementation vs advisory roles we are considering. We are still working on what the committee looks like and looking at best practices and models from other communities. A follow-up feedback form following this meeting will give additional opportunity for the CSAC to identify specifics elements of the Committee to consider.

- Need a heat map/waste heat map for the entire city as part of this program that would become a resource for the community. It will move us to a shared economy approach to energy and can fit into the planning process in the city.
- Also need a life cycle assessment of costs. Lots of projects are more expensive up front but operational cost is much lower. It's very helpful in decision making. Embodied carbon can be considered later. Life cycle assessment can help in prioritizing projects and actions.
- Overall the plan is very good and a lot of work has gone into it.
- Heat mapping for an entire city is an action recommended by the Heat Academy webinars hosted by HCE. City wide Heat map and updating it periodically is important.
- Need to facilitate the monetization or carbon credits to industry

  Response: Heat map could be done every few years. We will look at that. Agree on the need to facilitate monetization and considering what incentives to industry might be needed. Life cycle analysis is done on City projects already but to move that into other project in the community would be great.

- Lots of action needs to take place outside the City. But City can take a leadership role on a fleet or network of projects and be an early adopter and taking risk. Not a typical approach by a municipality but here it needs to be. An important aspect of the strategy is messaging of climate change actions.
- Room for the City to be the innovator but lots of innovation happening in the private sector also. City can help communicate what innovation is already occurring, especially in the housing sector.
- Every decision the City takes needs to help address the city's carbon footprint. Need to make bold statements and lead on every City facility project.
- Need to make bold statements about development that doesn't include carbon reduction strategies too.
- "Net zero" is a misnomer, as really you're going to be net positive by some degree.
- Given the challenge before us for new builds vs retrofit and for public buildings vs private, I think there is opportunity to think strategically about how net positive some of these buildings can be as we work toward a collective target.
- As the city implements green development standards, it is important to engage with builders and developers who have been working towards net zero or LEED communities and learn from them.

Response – There are frameworks that are successful to get developers to build more sustainably and City is currently working on green development standards. Agreed that engagement with homebuilders and learning from those successful in implementing sustainable/LEED/net-zero developments is important. Corporately, various city program areas are developing their net zero pathways in line with the City's Corporate Energy and Sustainability Policy. City is closing in on 50% reduction by 2030 from our baseline. City facilities are a small part of the overall emissions profile, but projects are high profile and leadership is important.

- Is there any prioritization of action in the CEEP?
  Response – No prioritization of actions because they are all priorities. These have a short term (1-5 year horizon) for starting implementation. Roll out will continue beyond the short term.

<u>Climate Change Impact Adaptation Plan</u>

- Action #25 -"Provide guidance to local business on how to maintain business continuity during extreme weather". Sustainability Leadership provides that kind of information already and is happy to collaborate on future resources being developed.

<u>Continuing Involvement in Implementing Actions</u>

Question posed by City to Stakeholder Agencies who work across municipalities – How are you involved in the implementation of other community municipal energy plans?

Agency response:

- Enbridge: We assist by trying to find alignment between existing Enbridge plans and programs and a municipality's action plans – eg. Home energy retrofit programs. Currently working with Durham Region. Certain programs in Hamilton' CEEP would align with Enbridge's existing programs.
- Alectra – We have been involved with other Community Energy Plan implementation projects in other municipalities, helping communities tap into existing incentive programs. Alectra is also providing asset ownership on large projects when municipal capital funding is not available. This has become more frequent since COVID.

Hamilton

HAMILTON'S CLIMATE CHANGE ACTION STRATEGY

Community Energy and Emissions Plan – Community Stakeholder Advisory Committee

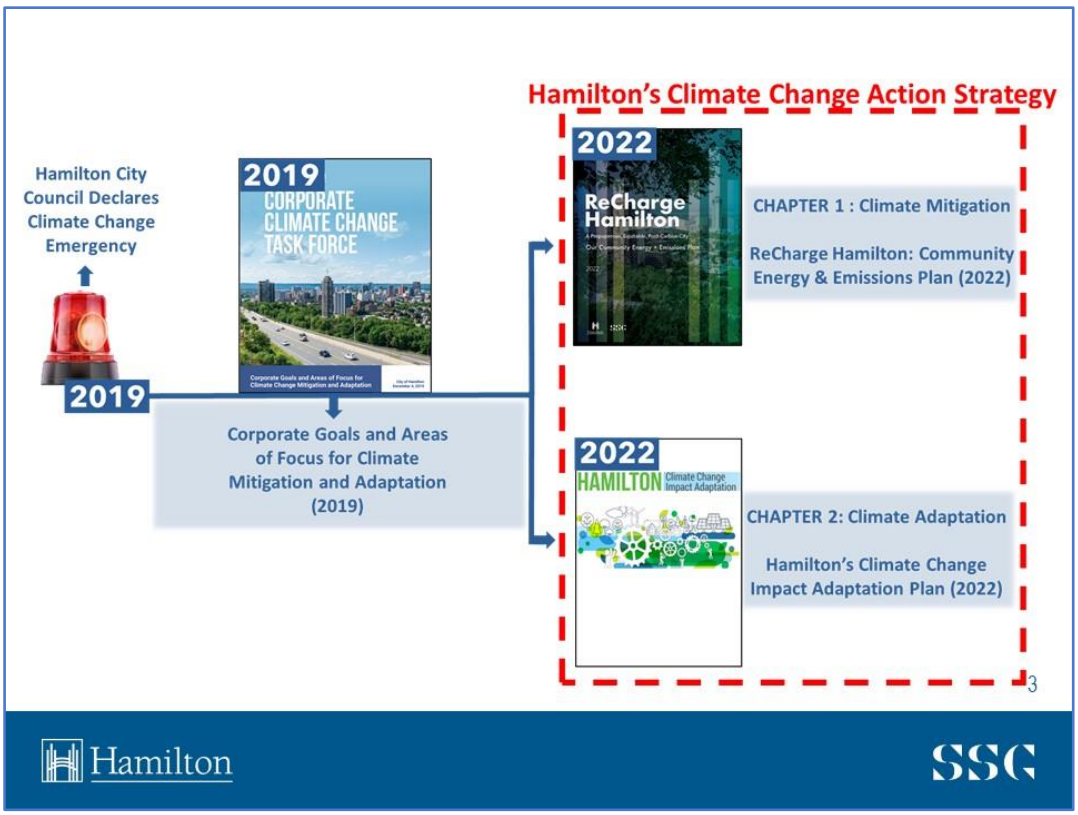
June 10th, 2022

Trevor Imhoff, Christine Newbold, Spencer Skidmore, Andrea McDowell

PLANNING AND ECONOMIC DEVELOPMENT DEPARTMENT
HEALTHY AND SAFE COMMUNITIES DEPARTMENT

Agenda

1. Welcome and Introductions (5-10 Minutes)
2. CEEP Draft Plan Presentation and Q&A/Discussion (50 Minutes)
3. Climate Change Impact Adaptation Plan Summary Overview and Q&A (20 minutes)
4. Wrap up + Next Steps on Involvement (5-10 minutes)


Hamilton's Climate Change Action Strategy
Hamilton City Council Declares Climate Change Emergency
2019
2019
CORPORATE CLIMATE CHANGE TASK FORCE
Corporate Goals and Areas of Focus for Climate Mitigation and Adaptation (2019)
2022
ReCharge Hamilton
CHAPTER 1 : Climate Mitigation
ReCharge Hamilton: Community Energy & Emissions Plan (2022)
2022
HAMILTON Climate Change Impact Adaptation
CHAPTER 2: Climate Adaptation
Hamilton's Climate Change Impact Adaptation Plan (2022)
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SSG

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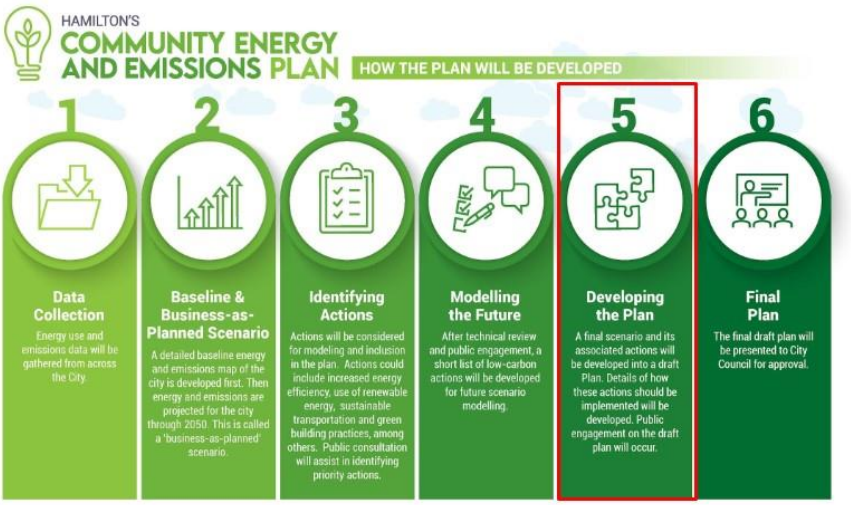
Hamilton's Community Energy
+ Emissions Plan (CEEP)
whatIf?

Overview: How is the Plan Developed?



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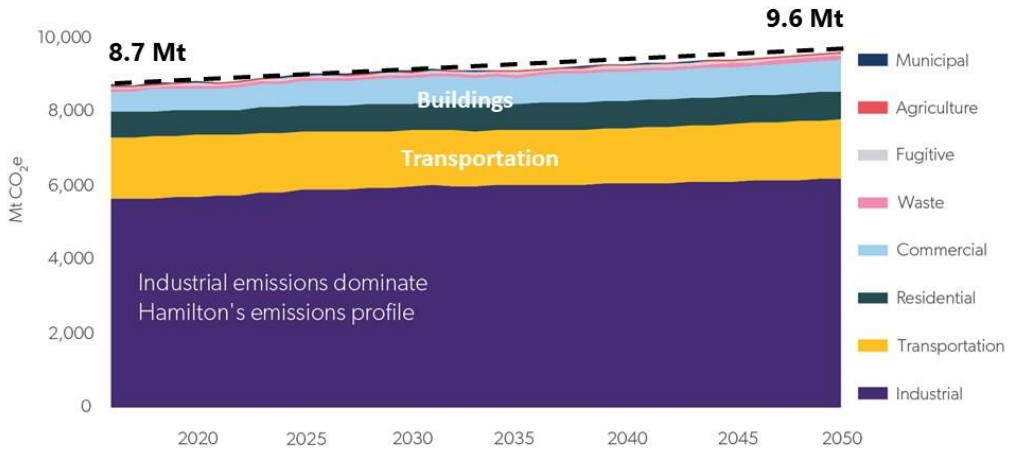
Hamilton SSG

Modelling the Pathway to Net-Zero

SSG Hamilton

Hamilton's Business-As-Planned



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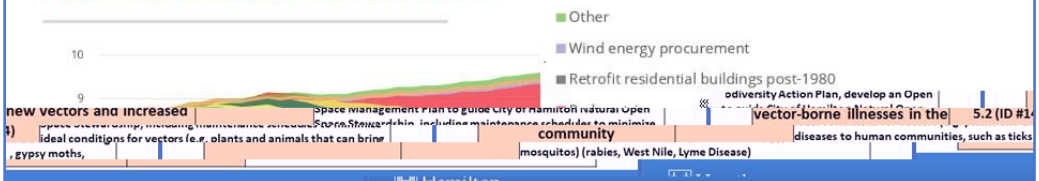
How Do We Get to Net-Zero?



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Climate Adaptation Actions (People and Health Cont'd)

Create conditions to minimize health and safety risks to outdoor workers and community members	6.1 (ID #15)	Continue to update existing municipal plans and policies to decrease health and safety risks associated with extreme weather and temperatures
	6.2 (ID #16)	Explore opportunities to expand curent cooling & warming centre programming and interventions
	6.3 (ID #17)	Improve monitoring, data collection, and notification surrounding flooding & extreme weather/temperatures

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Climate Adaptation Actions (Natural Environment, Agriculture and Water)

Proactively conserve and protect surface water and groundwater resources	7.1 (ID #18)	Continue to enhance the management and restoration of existing natural areas and seek opportunities to dedicate land and natural areas for conservation, potentially as part of the Open Space Master Plan
Monitor, maintain and improve the diversity and resiliency of urban trees and forests	8.1 (ID #19)	Work with local partners to continue tree planting and preservation, explore community partnerships and naturalization programs to reduce urban heat island and enhance ecosystem function
	8.2 (ID #20)	Implement the Urban Forest Strategy, and consider additional measures to support it or expand its impact
Strengthen food security in the City	9.1 (ID #21)	Educate and encourage community to participate in growing food locally (e.g. lot level or urban farms/gardens).
	9.2 (ID #22)	Expand rain water capture (i.e. rain barrels, cisterns, etc.) as an irrigation source for more localized food production (i.e. backyard farming, urban gardens, soft landscapes, etc.)
	9.3 (ID #23)	Engage with local agricultural leaders to understand existing resources for farmers in addressing climate adaptation, and how the City can support or expand on those efforts.
	9.4 (ID #24)	Develop an educational campaign directed at restaurant and grocery industries, local farms and other possible food sources to better reduce and divert food waste and explore opportunities to reduce food waste

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Climate Adaptation Actions (Energy and Economy)

Enable local businesses and organizations to plan for climate-related risks	10.1 (ID #25)	Provide guidance to local businesses on how to maintain business continuity (e.g. supply chain) during extreme weather
Improve the resilience of energy infrastructure to weather-related disruptions	11.1 (ID #26)	Work with local partners to conduct vulnerability and risk assessments on local energy systems and identify opportunities to increase local energy generation (e.g. microgrids) to increase reliability (potentially as part of planned CEEP priority actions around identifying renewable energy generation sites within the City)
	11.2 (ID #27)	Establish low-carbon back-up power systems in all City-owned facilities to serve as community hubs during emergencies, and create a policy to support and promote the use of low- or no-carbon emergency energy supplies such as batteries or energy storage for residents and businesses

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Administration, Governance & Resourcing

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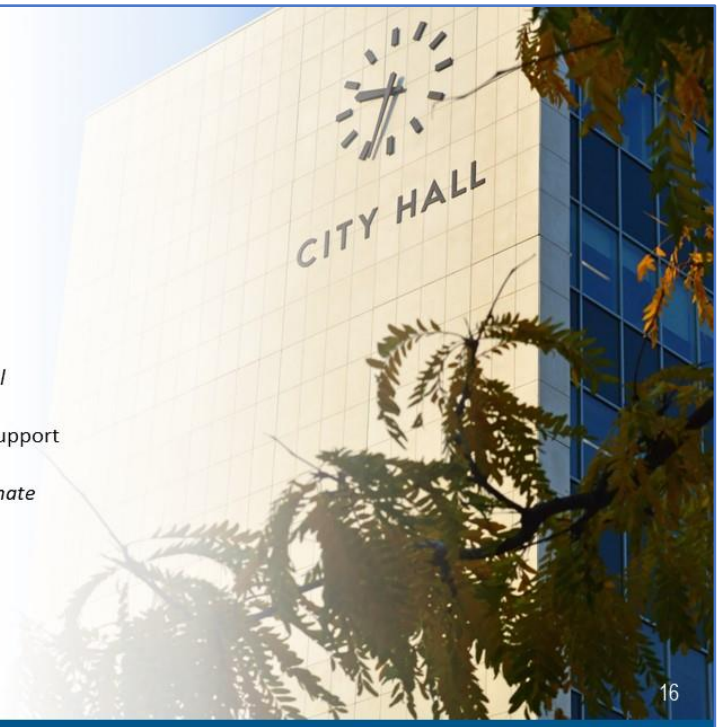
Hamilton

Proposed CEEP & CCIAP Administration

- Creation of a City *Climate Office*
- Creation of a *Multi-Departmental Climate Change Working Group*
- Public engagement program to support the implementation
- Creation of a *Community-led Climate Advisory Committee(s)*



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Potential Municipal Decision Making and Funding Mechanisms

- Dedicated staffing for Central Climate Office (leading overall climate change strategy implementation)
- Investigate the creation of a carbon accounting framework (City Carbon Budget) + Sustainable Procurement Policy
- Municipal Green Bonds
- Sustainable long-term Climate Change Reserve
- Corporate Energy Reserve (revolving fund) expansion
- Ongoing funding and support for Community Climate Advisory Committee

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Proposed CEEP & CCIAP Administration

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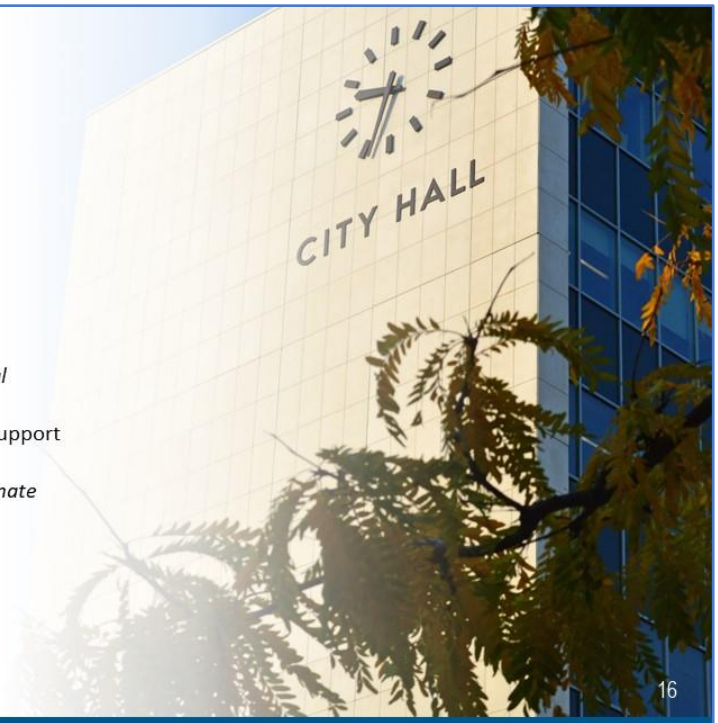

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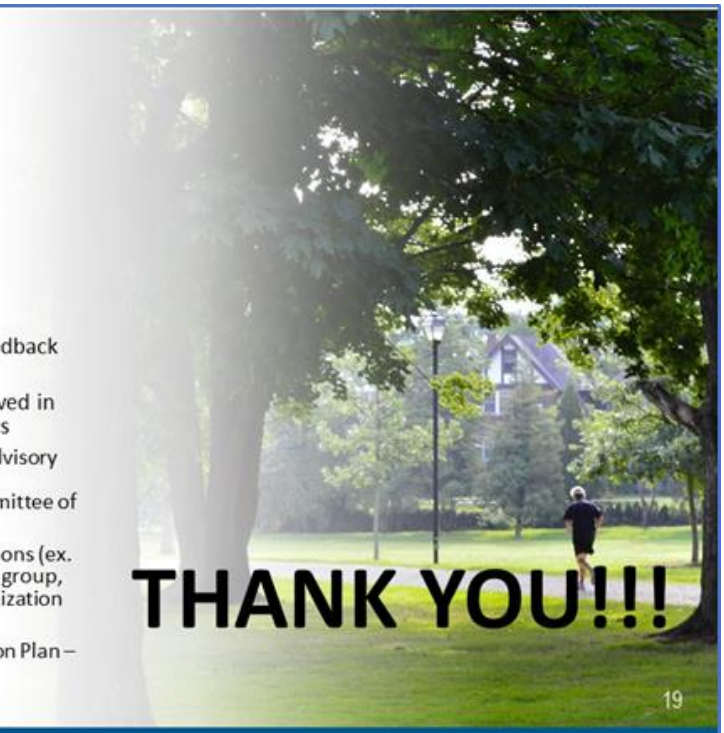
Next Steps

- Stakeholder member online feedback on Draft Plan
- Many opportunities to be involved in the implementation of the Plans
  - Community Stakeholder Advisory Committee (administrative framework)/Advisory Committee of Council
  - Participation in specific actions (ex. Industrial net-zero working group, Commercial fleet decarbonization working group)
- Climate Change Impact Adaptation Plan – implementation worksheets



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Hamilton Community Energy +Emissions Plan

Draft Plan Consultation

Stakeholder Advisory Committee - Follow-up to June 10th, 2022 Meeting

Hamilton's Climate Action Strategy

Follow-up Stakeholder Consultation

1. Which organizations or individuals within Hamilton do you believe should be involved in a community advisory committee(s) for the Community Energy and Emissions Plan (CEEP) and/or the Climate Change Impact Adaptation Plan (CCIAP)?

_____
_____
_____
_____
_____
_____

   a. Do you see any potential for you or your organization to be involved? Yes/No

2. Which actions from either the CEEP or the CCIAP do you see your organization participating in?

_____
_____
_____
_____
_____
_____
_____

3. Do you see any actions your organization might lead (either entirely or within the community)?

4. If you identify your organization to lead or support an action, what resources would you need to fill that role?

5. Please provide any other thoughts or comments on either the CCIAP material presented at the meeting or on the DRAFT ReCharge Hamilton – Our Community Energy and Emissions Plan.