HAMILTON'S CLIMATE CHANGE ACTION STRATEGY

Virtual – Public Information Session

June 29th, 2022

WELCOME

Land Acknowledgment

“The City of Hamilton is situated upon the traditional territories of the Erie, Neutral, Huron-Wendat, Haudenosaunee and Mississaugas. This land is covered by the Dish With One Spoon Wampum Belt Covenant, which was an agreement between the Haudenosaunee and Anishinaabek to share and care for the resources around the Great Lakes. We further acknowledge that this land is covered by the Between the Lakes Purchase, 1792, between the Crown and the Mississaugas of the Credit First Nation.

Today, the City of Hamilton is home to many Indigenous people from across Turtle Island (North America) and we recognize that we must do more to learn about the rich history of this land so that we can better understand our roles as residents, neighbours, partners and caretakers.”

Welcome and Introductions

Thank you for attending this virtual Public Information Centre

Presenters (City of Hamilton):
Christine Newbold, Manager, Sustainable Communities Section, Planning Division
Planning and Economic Development Department

Trevor Imhoff, Senior Project Manager, Air Quality & Climate Change, Public Health Services - Healthy Environments, Healthy and Safe Communities Department

Andrea McDowell, Project Manager, Air Quality & Climate Change, Public Health Services - Healthy Environments, Healthy and Safe Communities Department

Independent Facilitator: Sue Cumming, Cumming+Company

To view the Draft CEEP visit the Engage website : **https://engage.hamilton.ca/ceep**
To view Hamilton's Climate Change Impact Adaptation Plan (CCIAP) visit the Engage website **https://engage.hamilton.ca/climate-change-adaptation**

Purpose of Tonight's Meeting

This Public Information Session is being held to present and seek input on two important pieces for moving forward to implement Hamilton's Climate Change Action Strategy.

The purpose of this PIC is to:

- Present Hamilton's Draft Community Energy and Emissions Plan (CEEP)
- Present Hamilton's Climate Change Impact Adaptation Plan (CCIAP)
- Receive your feedback and answer questions

Feedback from the meeting will be reviewed by City Staff and considered in refining the draft CEEP and finalizing the CCIAP. The recording of the meeting presentation and slides will be available next week on the Engage Hamilton pages.

How to participate

City Staff will provide a live presentation which will be followed by a question-and-answer period.

During the presentation, we will be asking some questions to get your feedback. Questions will appear on the screen and you can answer the questions on your smart phone or browser through *MentiMeter* website.

Get set up to participate:

- Go to **www.menti.com** from a new browser page, or, through your smart phone
- A code for the questions will be provided during the presentation

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Using the Q &A in Webex

At any time during the meeting, you can ask questions or provide comments by typing these into the **"Q & A"** section and the Independent Facilitator will read these out for City Staff to respond to following the presentation. Your name will not be read aloud when questions are asked.

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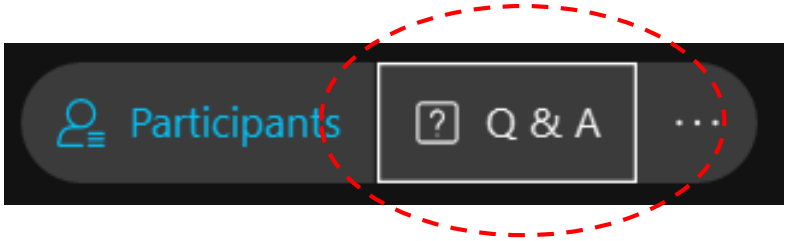


After the meeting, a short survey will be emailed to you. Please fill out the survey and return to city staff. as soon as possible.

Presentations and Agenda

1. Overview and Context (Trevor Imhoff)

2. DRAFT ReCharge Hamilton: Hamilton's Community Energy and Emissions Plan (Christine Newbold)

3. Hamilton's Climate Change Impact Adaptation Plan (Andrea McDowell)

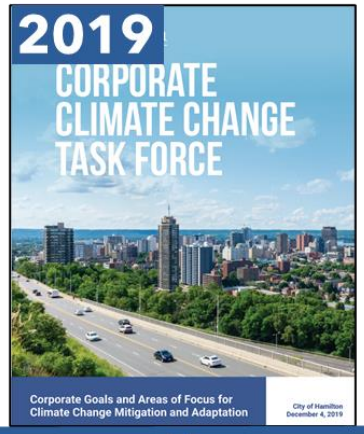
4. Questions & Answer Period

5. Timelines and Next Steps (Trevor Imhoff)

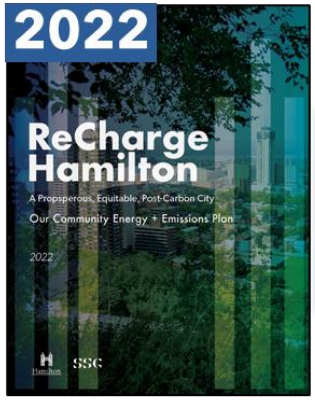
Hamilton's Climate Change Action Strategy

Hamilton City Council Declares Climate Change Emergency

2019

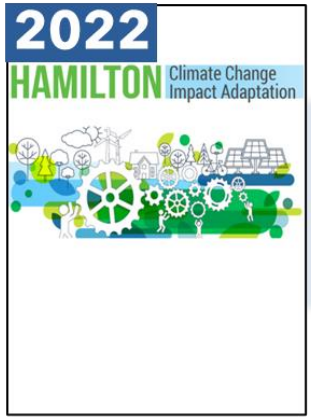


Corporate Goals and Areas of Focus for Climate Mitigation and Adaptation (2019)



CHAPTER 1 : Climate Mitigation

ReCharge Hamilton: Community Energy & Emissions Plan (2022)



CHAPTER 2: Climate Adaptation

Hamilton's Climate Change Impact Adaptation Plan (2022)

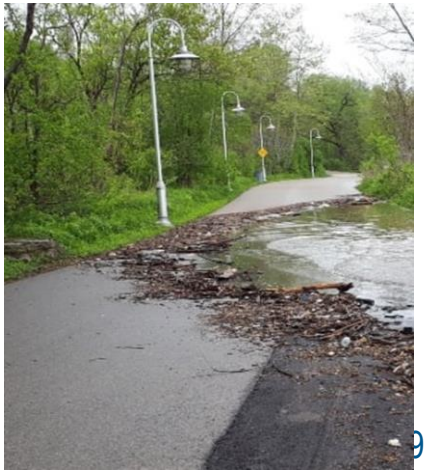
Mitigation and Adaptation

Mitigation

- Actions that reduce the release of greenhouse gases (GHG) that cause climate change

Adaptation

- Actions that help manage or adapt to a changing climate



Hamilton

Hamilton's Community Energy + Emissions Plan (CEEP)

Hamilton's pathway to net zero GHG emissions by 2050

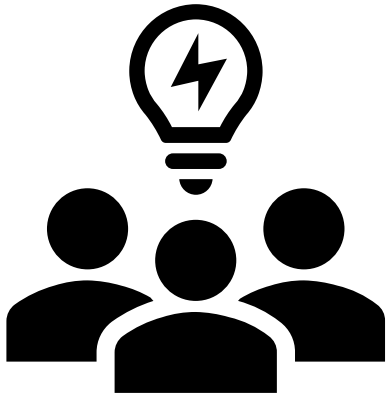
Vision and Principles

Vision

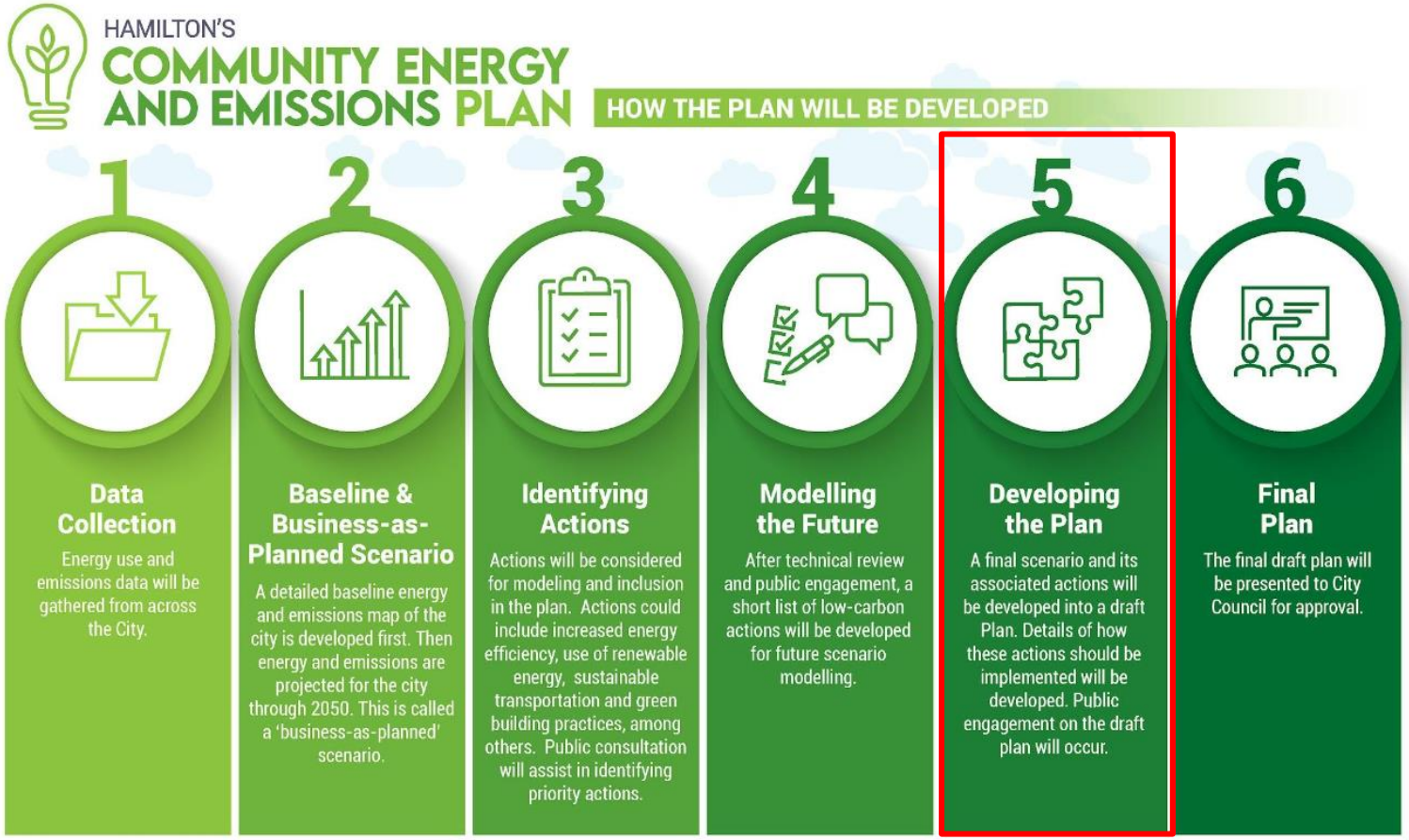
"ReCharge Hamilton identifies a pathway to net zero GHG emissions by 2050 that increases the resilience of the energy system and improves economic prosperity for all. Drawing on a history of work, policies and initiatives in this area, ReCharge Hamilton builds on Hamilton's historic and current strength as an industrial leader in the midst of a rich natural environment, and as a caring community."

Principles

- Supports an ***equitable*** energy transition;
- Helps improve the City's ***resilience*** to climate change;
- Is ***community-led***;
- Involves a ***public education*** campaign;
- Promotes the development and use of ***clean energy***;
- Protects and supports ***biodiversity***;
- Encourages ***local economic development***; and
- Promotes ***practical*** climate mitigation and adaptation actions.

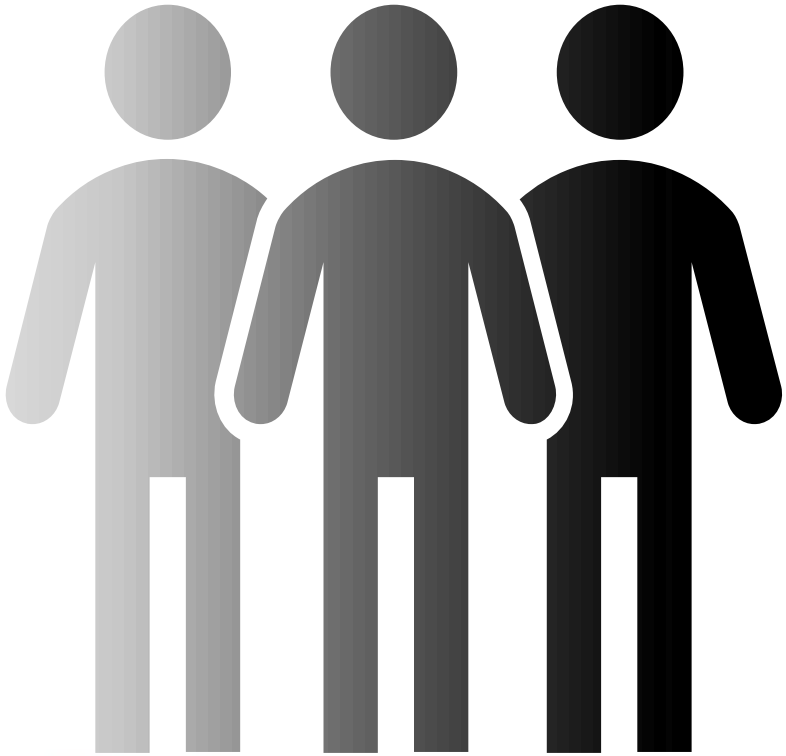


Overview: How is the Plan Developed?

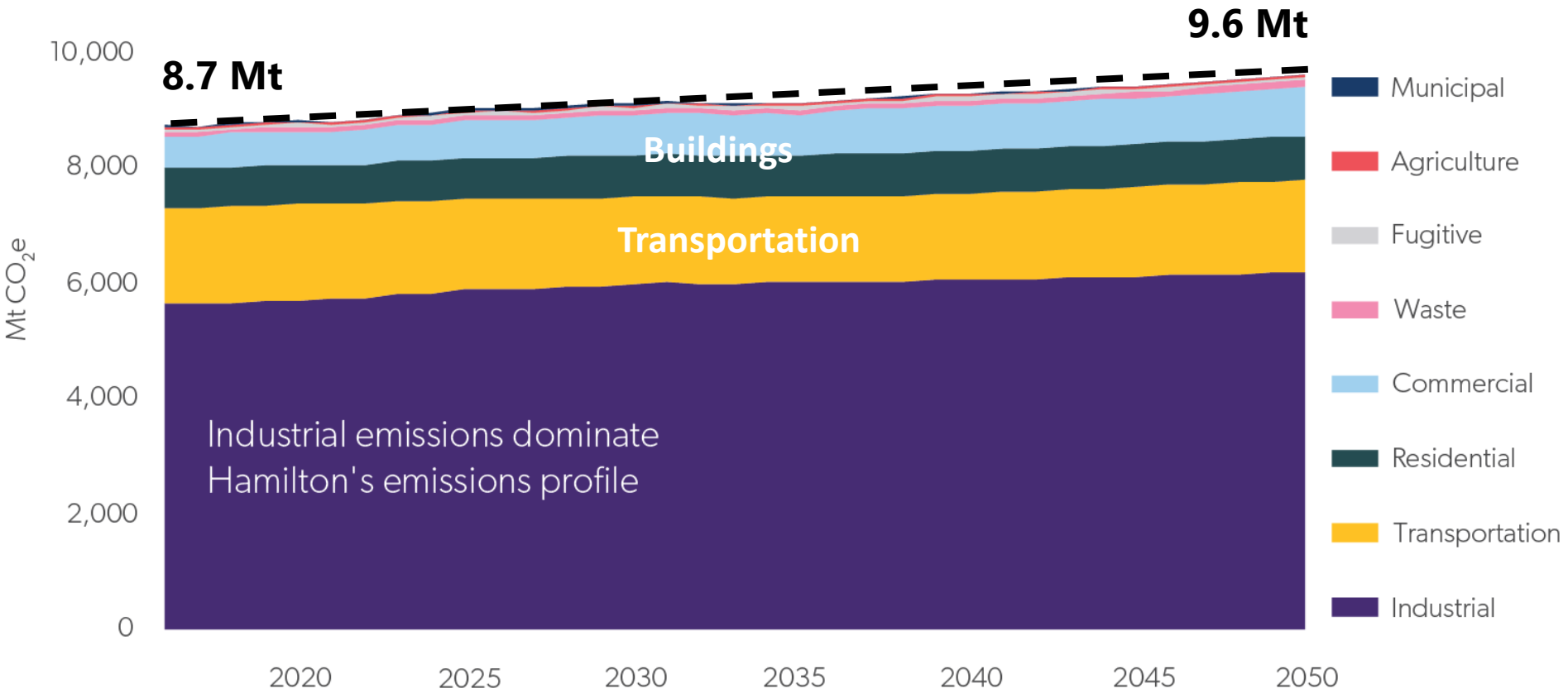


Community Engagement

- Stakeholder Advisory Committee
- Inter-Departmental City project team
- 1-on-1 interviews
- Public surveys
- Virtual Public Information Sessions
- Engage HQ virtual engagement
- internal/external committee presentations



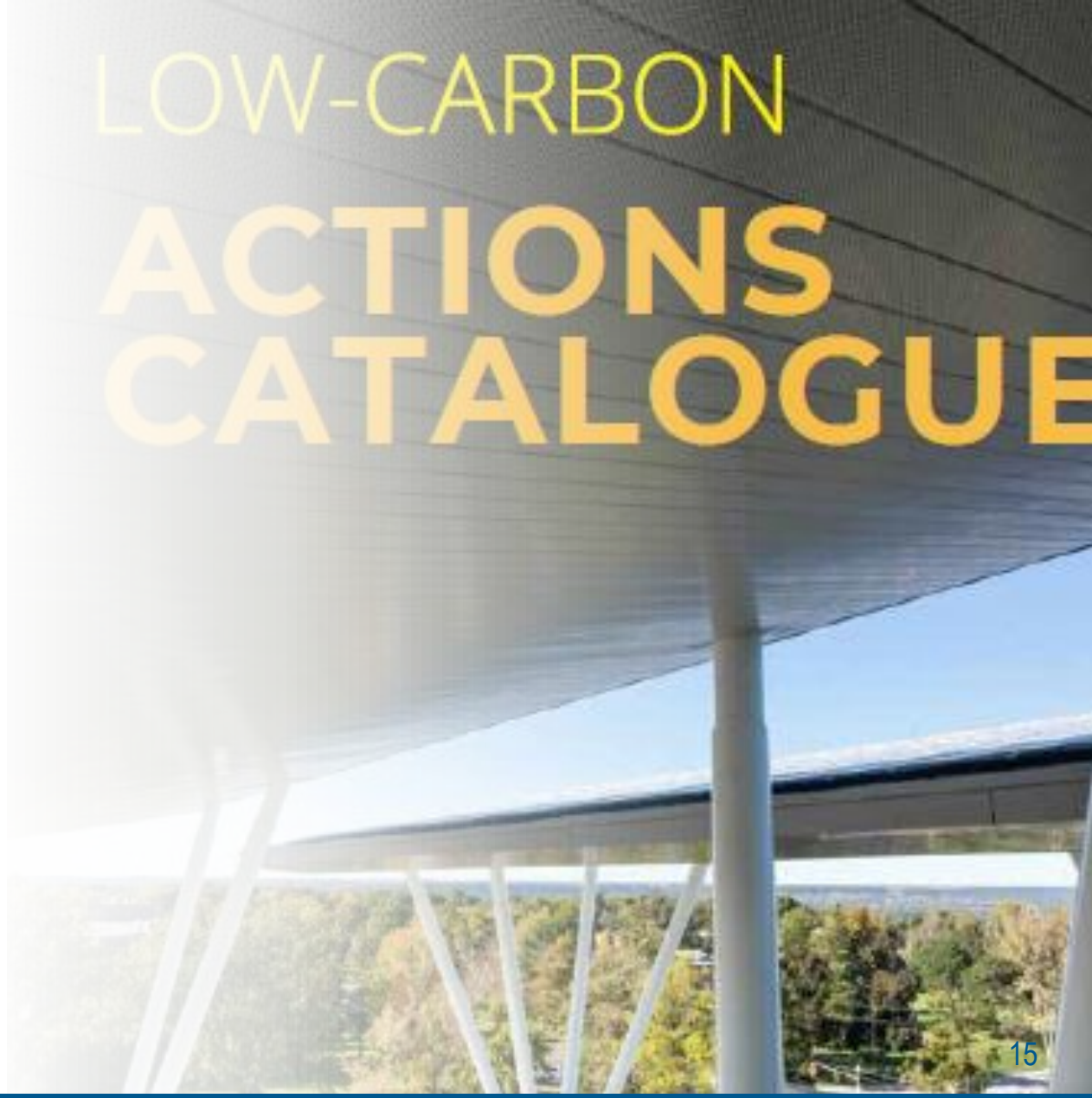
Hamilton's Emissions



Hamilton

Identifying Targets and Actions

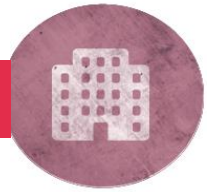
- Best Practices in other jurisdictions
- Consultant expert feedback and recommendations
- Public input via surveys and open house feedback
- Stakeholder Advisory Committee feedback
- City feedback
- **30 targets** modelled



5 Low-Carbon **Transformations** for City and **Community**

TRANSFORMATION 1: Innovating our Industry

TRANSFORMATION 2: Transforming Our Buildings



TRANSFORMATION 3: Changing How We Move

TRANSFORMATION 4: Revolutionizing Renewables

TRANSFORMATION 5: Growing Green

Low-Carbon Transformation **#1 - Innovating our Industry**

- The steel industry is planning to decarbonize – there is momentum
- There is major potential for industrial process efficiencies across all industries

Implementing Action	Lead
1. Establish a net-zero industrial working group and zero emissions industry program	Hamilton
2. Establish and support a cleantech accelerator	
3. Industrial Training and Retraining Programs (Canadian Colleges for Resilient Recovery)	

Low-Carbon Transformation **#2 - Transforming our Buildings**

- Retrofits: will be extensive + will require market innovation - the challenge will be to scale up
- Improvements to new building standards are a small but important part of the Net-Zero pathway

Implementing Action	Lead
4. Develop new city-wide sustainable development guidelines for new development	Hamilton
5. Design, plan and implement a mass deep energy building retrofit program	Hamilton
6. Sustainable Building Training and Retraining Programs (Canadian Colleges for Resilient Recovery)	

Low-Carbon Transformation
#3 - Changing How We Move

- Transit & active transportation provide co-benefits & avoid the need for new electricity generation
- Decarbonizing personal and commercial vehicles is a key opportunity
- Priority should be given to reducing VKTs, then switching remaining VKTs to EV or other low-carbon vehicles

Implementing Action	Lead
7. Expand active transportation networks	Hamilton
8. Decarbonize the transit fleet & corporate fleet (implement Green Fleet Strategy)	Hamilton
9. Plan for and develop expanded urban and rural transit service and e-mobility services	Hamilton
10. Develop then implement a city-wide EV Strategy	Hamilton
11. Establish a Commercial Fleet Decarbonization Working Group	Hamilton
12. EV mechanic training and retraining program (Canadian Colleges for Resilient Recovery)	

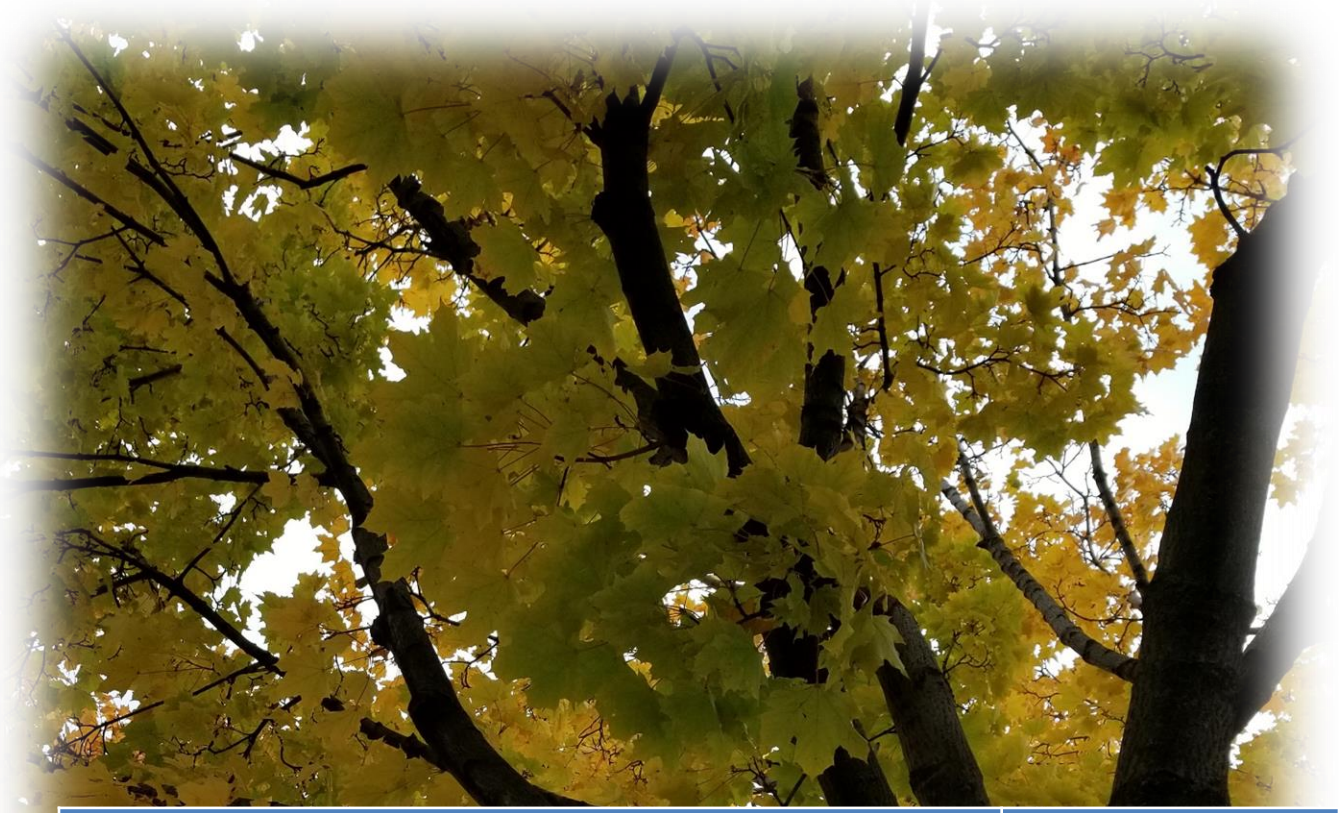
Low-Carbon Transformation **#4 - Revolutionizing Renewables**

- An abundance of renewable energy is vital to decarbonizing
- Existing district energy systems present a valuable opportunity
- City experience in organics conversion to biogas and RNG should be leveraged
- Hydrogen (green) is key in decarbonizing the steel sector

Implementing Action	Lead
13. Advocate for next generation electrical grid	Hamilton, Community
14. Encourage local, alternative renewable energy ownership structures (co-ops, etc.)	Hamilton, Community
15. Identify lands suitable for strategic renewable solar energy installations	Hamilton
16. Conduct technical feasibility of expanded anaerobic digestion facilities and analysis for expanded organics diversion	Hamilton
17. Decarbonize and expand district energy systems	Hamilton, Community
18. Technical analysis of green hydrogen potential and creation of a Hamilton 'hydrogen hub'	Community

Low-Carbon Transformation **#5 - Growing Green**

- GHG reductions through sequestration are small but increase over time (as trees grow)
- Offer important co-benefits
- Easily implemented and supported by the public



Implementing Action	Lead
19. Set a target of 50,000 trees planted per year within City boundaries.	Hamilton
20. Require the integration of community energy/climate action policy directions into Secondary Plans	Hamilton
21. Review + update Official Plan to address climate change and energy policies	Hamilton

Live Poll

www.menti.com

CODE: 1200 9750

"What theme or action from the DRAFT Community and Emissions Plan were you most excited to hear about?"

Hamilton's Climate Change Impact Adaptation Plan (CCIAP)

- National leader on Climate Adaptation
- Healthy, equitable, vibrant and sustainable community that responds to the needs of all

Next Steps

- Continue to review material and submit comments on the actions and information you've seen tonight. Provide comments by July 8, 2022

- Review the DRAFT Community Energy & Emissions Plan and submit comments at: www.engagehamilton.ca/ceep

- Review the Climate Change Impact Adaptation Plan material and submit comments at: www.engagehamilton.ca/climate-impact-adaptation

THANK YOU