



# Port Hope's Sustainable Future: *Community Climate Action Plan*

Council Presentation  
April 1st, 2025

# Agenda

- Introduction
- Project Background
- Overview of CCAP
- Next Steps
- Questions



# ICLEI Canada

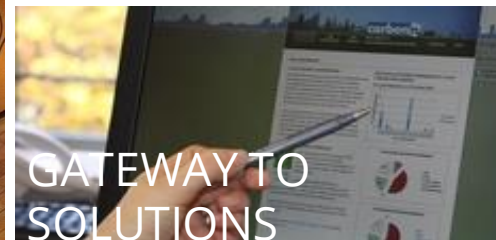
- National NGO that supports municipalities in implementing sustainability policy and drive local action for low emission, nature-based, equitable, resilient and circular development.
- Part of an international network of 1750+ local and regional governments in over 100 countries
- Canada offices in Toronto, Montreal and Victoria



CONNECTING  
LEADERS



ACCELERATING  
ACTION



GATEWAY TO  
SOLUTIONS

# Our Team



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Officer



Kristen Ma, Climate  
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# Why Develop a Climate Action Plan?

- In 2022 Port Hope joined hundreds of municipalities across Canada in declaring a climate emergency
- The call for developing this plan came in response to concerns about ensuring Port Hope's safety and sustainability for future generations raised by local community members.
- Port Hope is not alone in facing this challenge and joins hundreds of municipalities across Canada and internationally that are actively developing and implementing climate action plans including Northumberland County and neighbours such as Peterborough, Prince Edward County
- Globally, we are nearing the 1.5 C threshold identified by scientists as the safe upper limit for global warming. The past 10 years have consecutively been the warmest on record.
- In order to mitigate further impacts of climate change we must limit further GHG emissions to the atmosphere.

# Climate Mitigation and Adaptation

How do we live with these impacts?

## ADAPTATION

Actions to manage the impacts of climate change



flood protection

infrastructure and building design



disaster management and business continuity



urban forest



complete communities



water and energy conservation

## MITIGATION

Actions to reduce emissions that cause climate change

sustainable transportation



energy efficiency

renewable energy



How do we prevent the hazards?

# Co-Benefits of Climate Action Plan

Defines actions  
and goals for  
reducing  
emissions and  
energy

Assigns  
responsibility for  
completing  
actions

Addresses  
challenges and  
minimizes  
negative impacts

Reduces energy  
costs

Keep energy  
dollars in the  
community

Prepare for a  
carbon  
constrained  
future

Local economic  
resiliency growth  
and job  
development

Increase energy  
security

Health co-  
benefits, and  
more!

# Community Engagement

- Developed a community survey
- Identified key community members for engagement and facilitated 8 focus groups around key themes
- Developed a youth engagement activity that was delivered by teachers
- Engaged with approx. 300 community members through survey, open house, focus groups, and youth activities



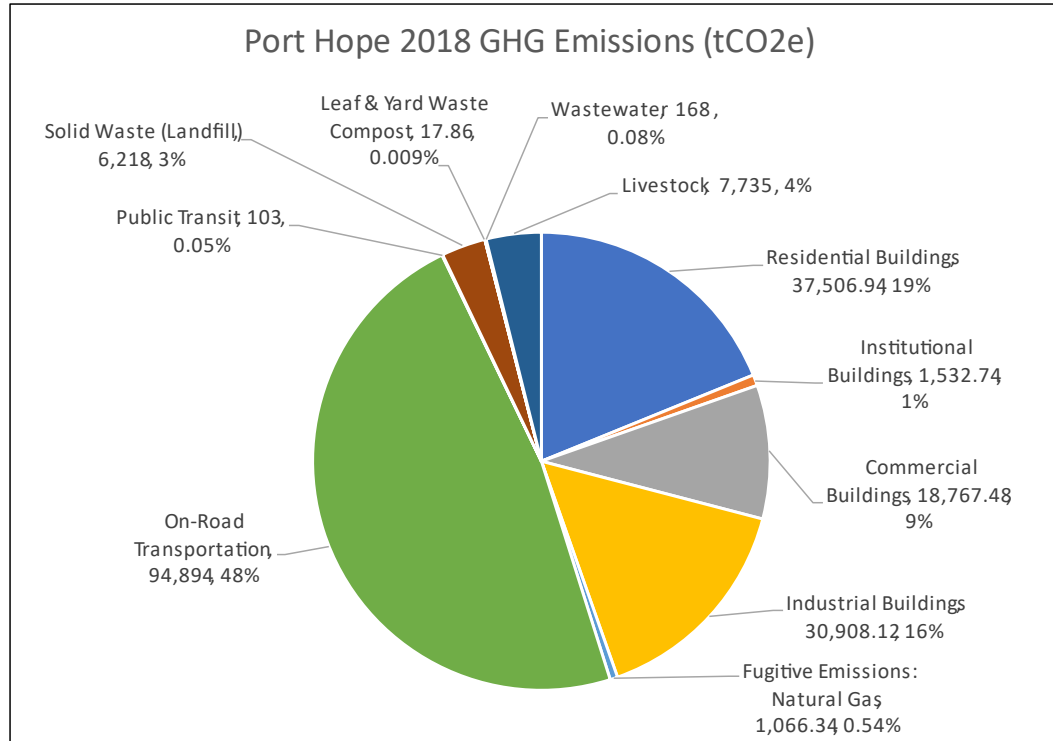
# Community Engagement Results

- Most supported actions:
  - waste reduction
  - circular economy initiatives
  - supporting local businesses and food
  - protecting farmland and natural assets
- Identified a need for more collaboration and communication amongst the community and with the municipality
- There is a lot of great work already going on in Port Hope that we can build off of!



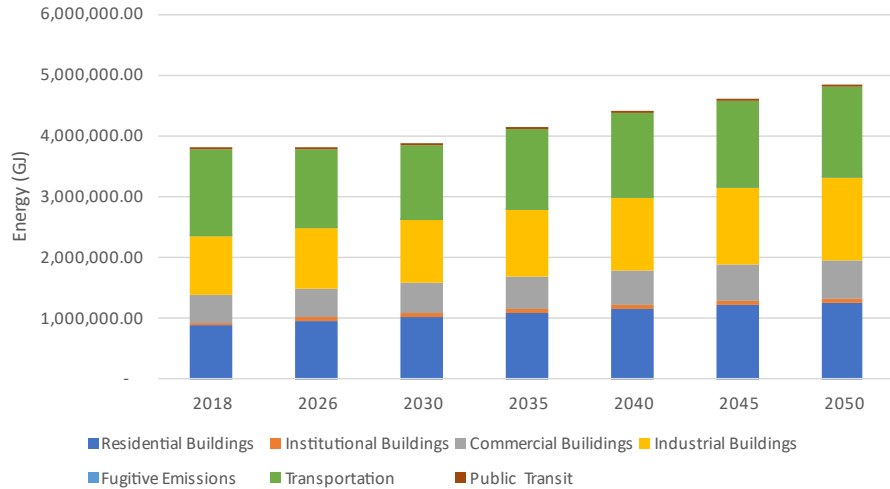
# GHG Baseline Inventory

- Breakdown of community-wide emissions in Port Hope
- Provides a baseline for setting targets and measuring progress
- Aligns with the GHG Protocol an international best practice standard for municipal GHG inventories



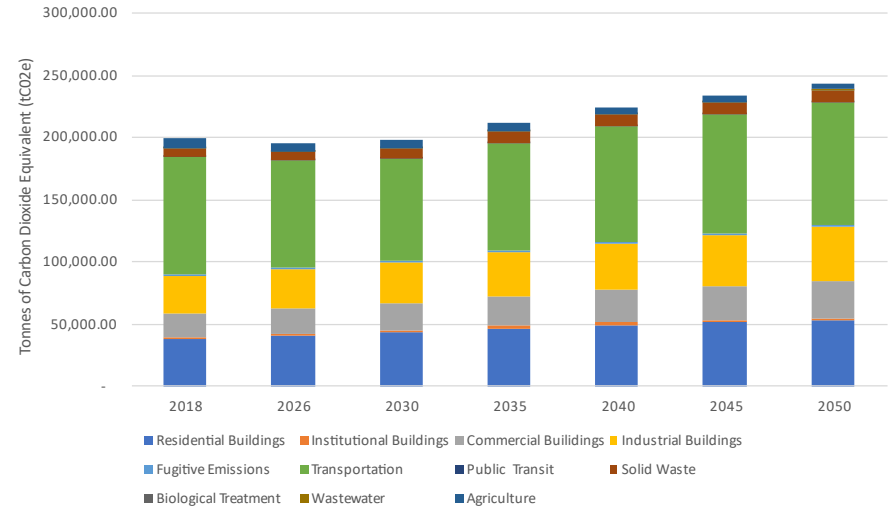
# Business-as-usual Scenario

Projected Energy Use to 2050



- Total energy use expected to increase by 27% and emissions by 22% by 2050 under the business-as-usual scenario

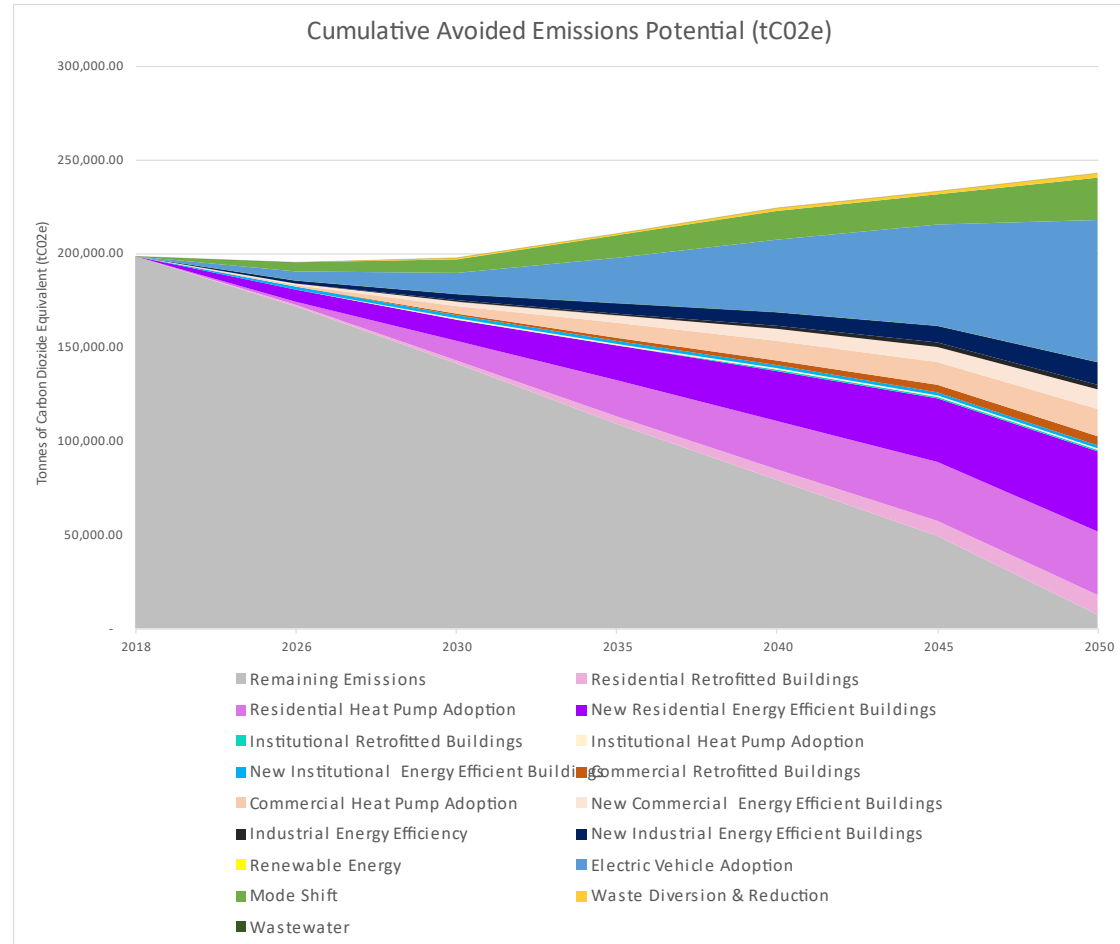
Projected GHG Emissions to 2050



- Energy costs are estimated to increase by 46% under a high-cost scenario and 26% under the low-cost scenario

# BAU Scenario and GHG Reduction Targets

- Based on the strategies and actions identified through community engagement and best practices in GHG mitigation planning the CCAP outlines a pathway to net-zero GHG emissions by 2050.
- Based on energy and emissions modelling a mid-term target of a 46% reduction in emissions from 2018 levels by 2035 was established as a mid-point.



# Overview of the CCAP

- Focuses on 6 areas
  - Buildings and Facilities
  - Transportation
  - Community Design and Land-Use Planning
  - Agriculture and Local Food Systems
  - Environmental Stewardship
  - Waste & Water
- Developed 17 overarching strategies that seek to reduce energy use and costs, reduce waste, and protect and enhance natural assets
- Proposed supporting component for each strategy and how different groups of residents can contribute
- Identified implementation timeline, relative cost characterization, funding opportunities, monitoring metrics, and co-benefits

# Community Actions to Address Climate Change



## Buildings

- Implement Energy Efficiency Retrofits
- Develop Energy Efficiency New Buildings
- Promote Renewable Energy
- Decarbonize Industrial Buildings



## Transportation

- Improve Active Transportation
- Increase Uptake of Public Transit
- Support Low Emission Vehicle Adoption
- Implement Transportation Demand Management



## Community Design and Land-Use Planning

- Develop Higher Density, Mixed Use Development and Complete Communities



## Agriculture and Local Food Systems

- Protect Farmland from Urban Development
- Promote Learning and Awareness About Sustainable Farming
- Support Local Food Growers



## Environmental Stewardship

- Protect Port Hope's Natural Spaces
- Increase Awareness of and Connection to Natural Spaces

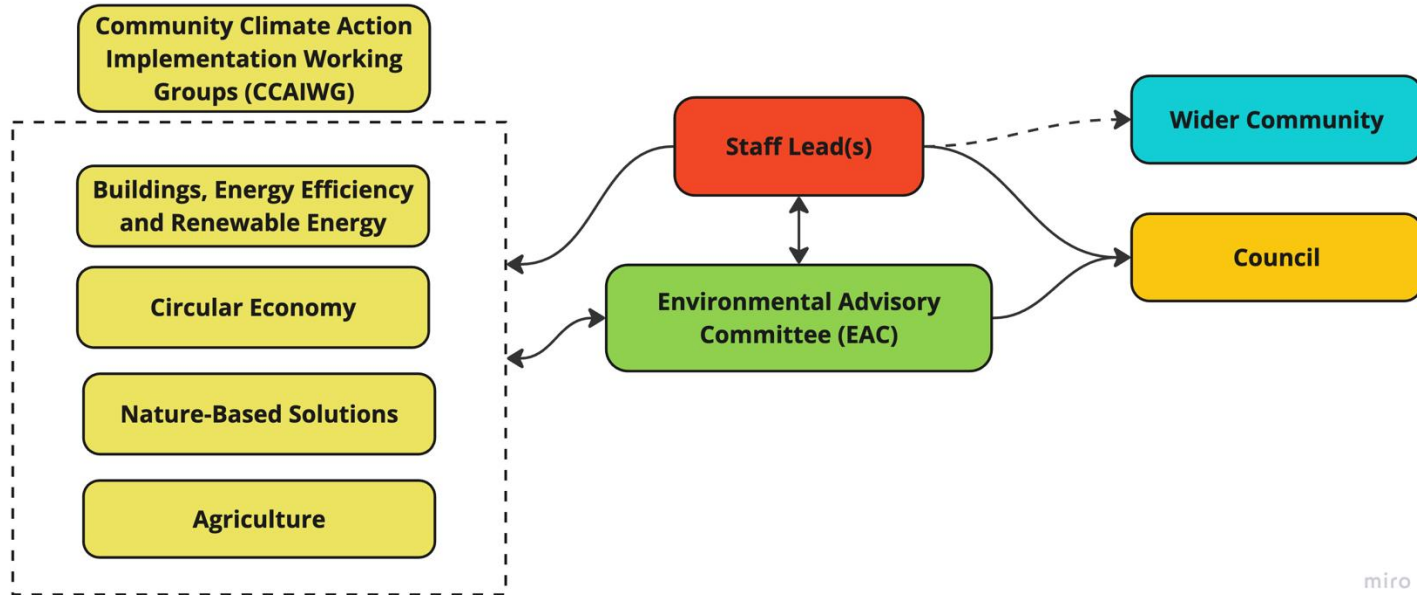


## Waste and Water

- Support the Development of Circular Economy
- Increase Waste Diversion
- Implement Water-Efficient Strategies

# Implementation Plan

- Community-led, municipally supported
- Community Climate Action Implementation Working Groups
- Suggested timeline, monitoring metrics and relative cost characterization for each action



# Next Steps

1. 30-day community review period
2. Incorporate comments and revise CCAP by end of May
3. Return to council June 17<sup>th</sup> with Final Plan

# Thank you!



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