Stakeholder Advisory Committee meeting

(March 4, 2020)

Hamilton Community Energy Plan 2021

Hamilton SSG whatIf?

AGENDA

1. **Introduction** to the project & role of the SAC
2. **Overview** of the CEP process
3. **Brief presentations** by HHS & HCC

Break

1. **Developing** CEP vision & goals
2. **Energy mapping**
3. **Next steps**

Community Energy Plan Project Team

STAFF PROJECT TEAM

- Christine Newbold, Community Planning
- Trevor Imhoff, Air Quality & Climate Change
- Tom Chessman, Office of Energy

CONSULTING TEAM

Sustainability Solutions Group (SSG) *with WhatIf?* Technologies

- Yuill Herbert, SSG
- Kyra Bell-Pasht, SSG

What is a community energy plan?

- Actions to reduce Hamilton's community-wide energy use
- reduce greenhouse gas (GHG) emissions
- achieve emissions reduction targets
- Improve water efficiency
- foster local, community-supported sustainable energy solutions

Community Energy Plan Project Team

STAFF PROJECT TEAM

- Christine Newbold, Community Planning
- Trevor Imhoff, Air Quality & Climate Change
- Tom Chessman, Office of Energy

CONSULTING TEAM

Sustainability Solutions Group (SSG) *with WhatIf?* Technologies

- Yuill Herbert, SSG
- Kyra Bell-Pasht, SSG

What is a community energy plan?

- Actions to reduce Hamilton's community-wide energy use
- reduce greenhouse gas (GHG) emissions
- achieve emissions reduction targets
- Improve water efficiency
- foster local, community-supported sustainable energy solutions

A Community Plan

- All sectors have a role to play
- municipal, business/industry, institutions and residents

Community Stakeholder Advisory Committee

School Boards
Post Secondary Education
Health Care
Business
Industry
Environmental Groups

City of Hamilton (corporate)
Development Industry
Transit & Transportation
Housing
Indigenous Groups

Advisory Committee Terms of Reference

Purpose

- a forum for discussion feedback, guidance and advice to the project team

Role

- provide advice, feedback and perspectives to project team
- communicate discussions back to their organizations

Decision Making

- consensus-based approach
- acknowledgement and documentation of differences

Code of Conduct:

- courteous, listen to others, and respect the opinions of others
- participate fully in discussions but not dominate the discussion
- respect the agendas for each meeting

Meeting Objectives

1. Outline the **role of the SAC**
2. Explain the **CEP process**
3. **Learn** about low-carbon projects in the community
4. **Map** existing & potential renewable energy projects
5. Clarify **next steps**

Hamilton's Climate Change Emergency

WHAT DOES IT MEAN?

Climate change is a global and local emergency. In March 2019, Hamilton joined 435 municipal councils across the world representing 36 million citizens to declare that we need immediate action to achieve the transformative change required for our planet to prevent global averages temperature rise of 1.5°C.

GLOBAL SCIENTIFIC CONSENSUS

97% of climate scientists around the world agree that 1.5°C is the upper limit of warming we can tolerate before impacts become so great as to threaten the stability of human civilization.

They also warned, in an International Panel on Climate Change (IPCC) report in October 2018, that if global carbon emissions are not halved by 2030 and eliminated by 2050, we will have lost the opportunity to hold warming to that level.

WHAT'S THE BIG DEAL WITH A FEW DEGREES?

1.5°C doesn't seem like a big change, does it? But much like a human fever or disease, it doesn't take a big change in average temperature to indicate a serious problem. Similar to a fever or disease if left untreated it could become fatal.

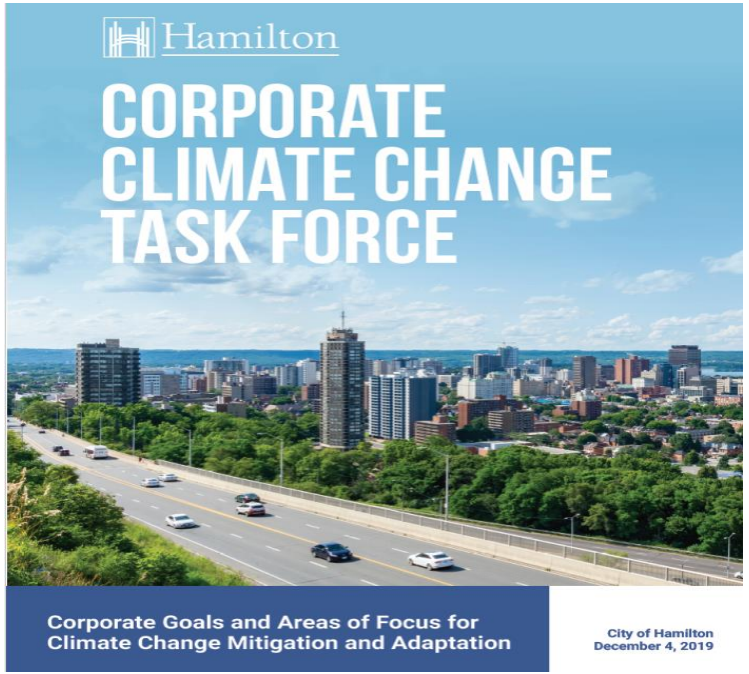
This informative video from leading atmospheric scientist Dr Katharine Hayhoe demonstrates why: What's the Big Deal With a Few Degrees?

Council Direction

- **March 27, 2019:** Council declares climate change emergency and approves Accelerating and Prioritizing Climate Action motion
- **June 17, 2019:** Board of Health approves Report BOH19022 – Corporate Climate Change Task Force Response to the Climate Change Emergency
- **June 26, 2019:** Council approves the Establishment of Departmental Climate Change Workplans within the City of Hamilton Motion
- **December 4, 2019:** Council approves the Corporate Goals and Areas of Focus for Climate Mitigation and Adaptation

Purpose

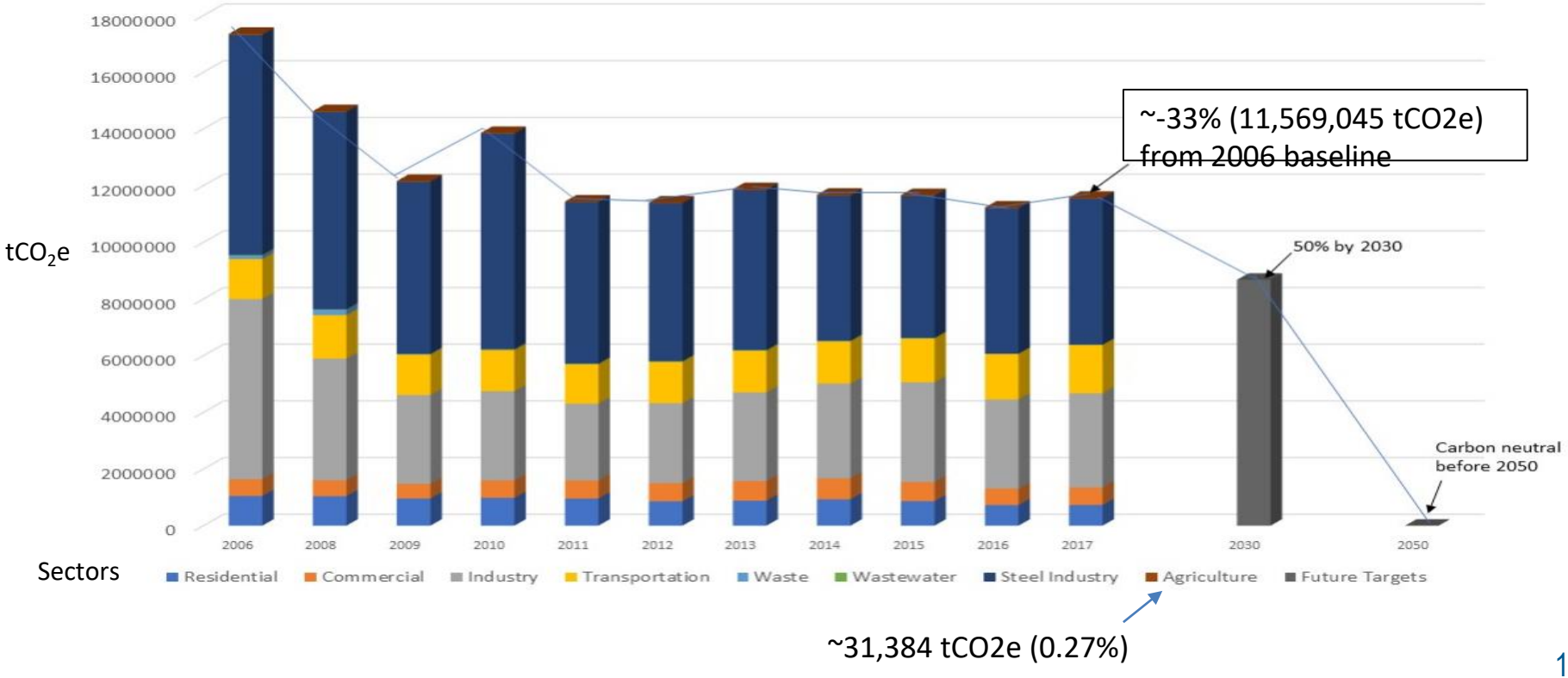
- Centralize climate change reporting across the corporation
- Prioritize goals and areas of focus for climate mitigation and adaptation
- Identify key indicators for annual reporting
- Foundational report to empower staff



Corporate Goals and Areas of Focus

- Natural Environment
- Transportation
- Active Transportation
- Planning
- Procurement
- Natural Environment
- Climate Adaptation
- Diversity, Health, Inclusion
- Education & Awareness

Community GHG Inventory and Targets



Alignment and Support from BACCC

Who They Are:

- Bay Area Climate Change Council (BACCC) is a social impact initiative made up of 14 community leaders from across Hamilton and Burlington

Vision:

- For the Bay Area to be a thriving and resilient zero carbon community by 2050.

Mission:

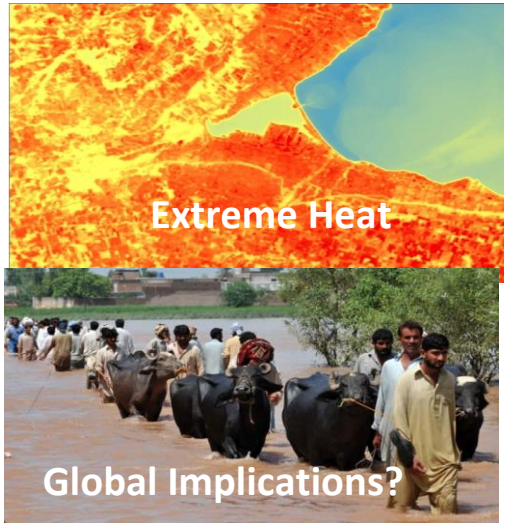
- To create a sense of urgency and mobilize the community to catalyze climate action in the Bay Area

Key Priorities:

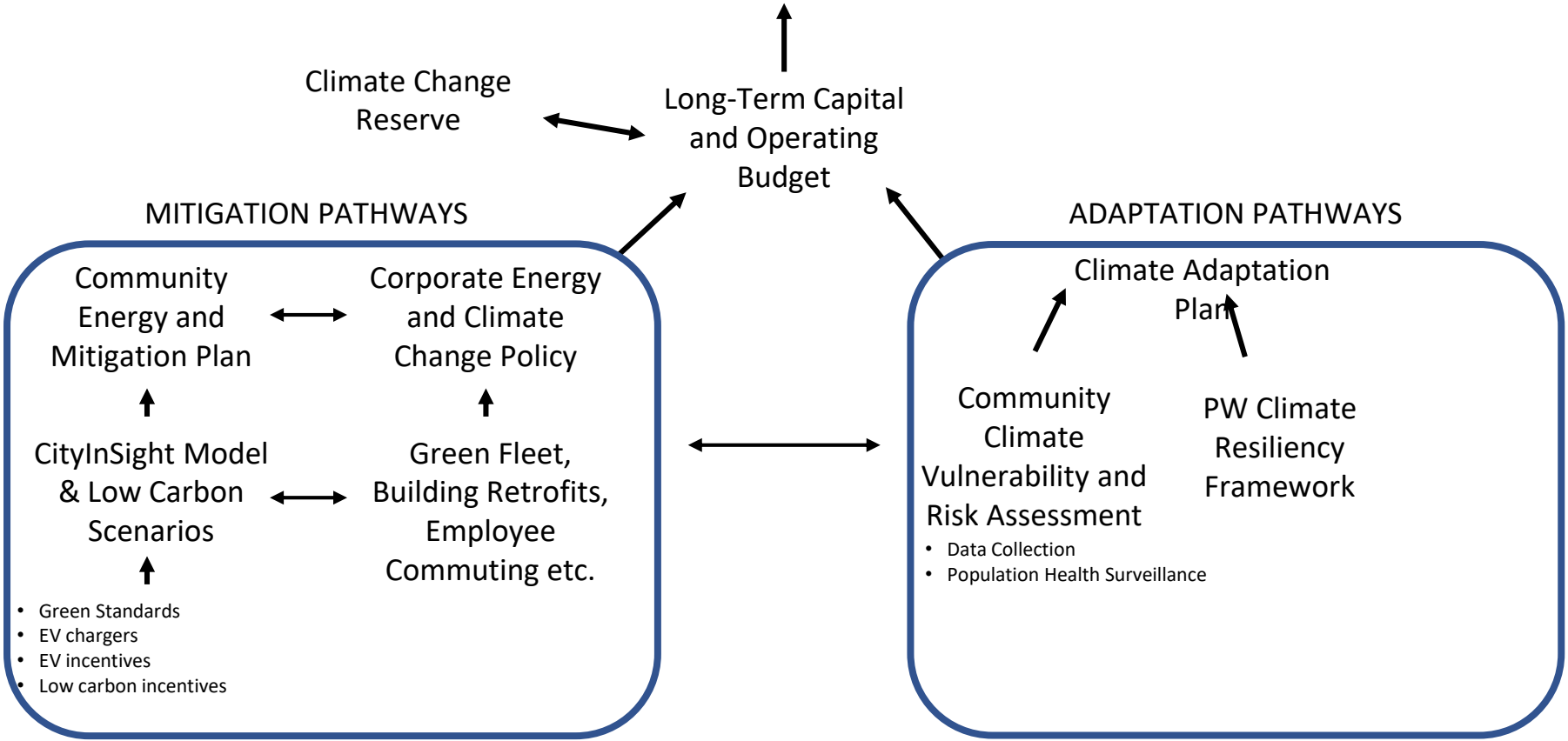
- Transportation
- Agriculture and Local Food Production
- Buildings
- Progressive Policies

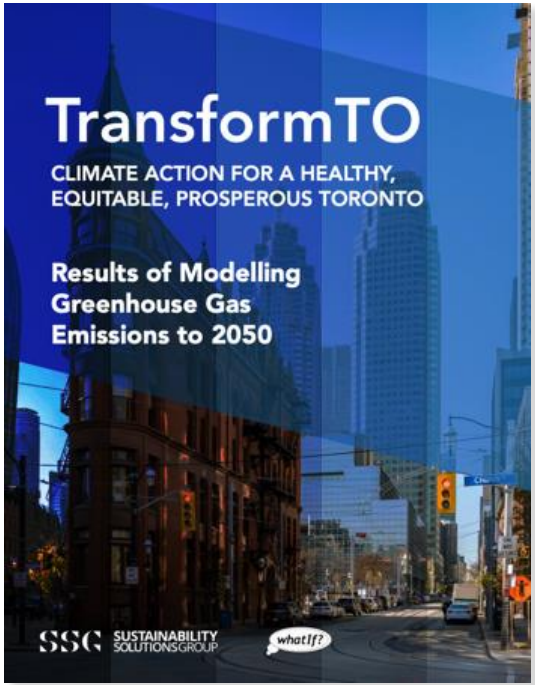
Climate Impacts

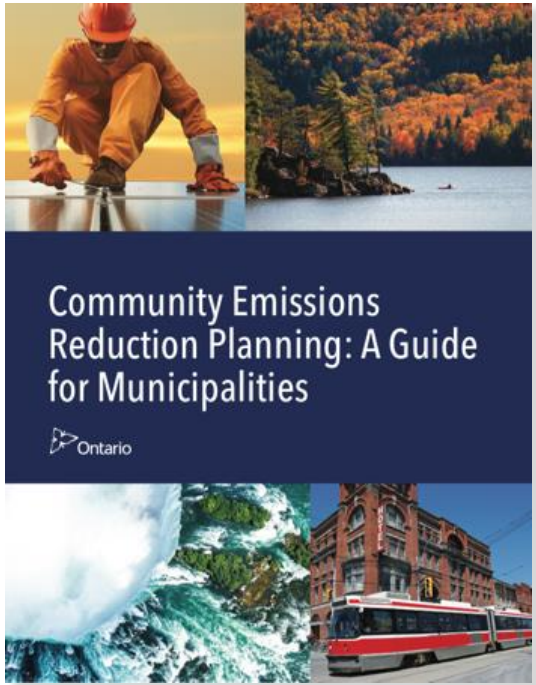
$5.3 billion average annual investment needed for municipalities across Canada to adapt to climate change



Hamilton's 10 Year Low-Carbon Resiliency Plan







SSG SUSTAINABILITY SOLUTIONSGROUP whatIf?

TORONTO

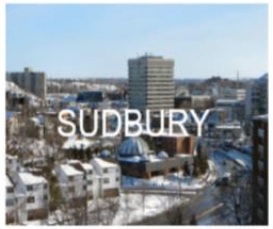
MARKHAM

HALIFAX

OTTAWA

HAMILTON

BURLINGTON


SUDBURY

EDMONTON

GUELPH

DURHAM

PEEL

SASKATOON

YORK

RED DEER

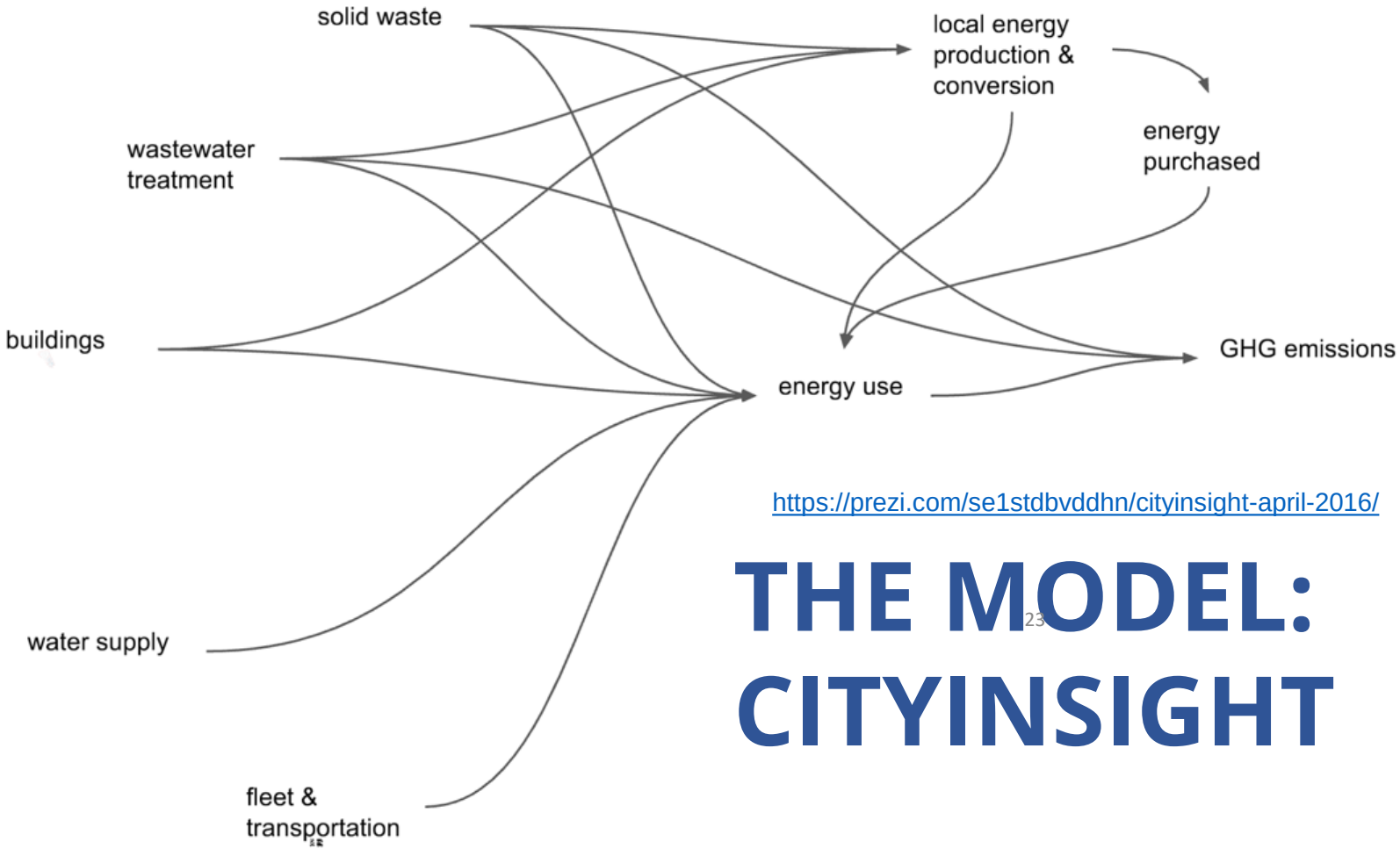
BANFF

PROJECT PURPOSE

Identify a detailed pathway for Hamilton to achieve net zero before 2050

NET ZERO before 2050

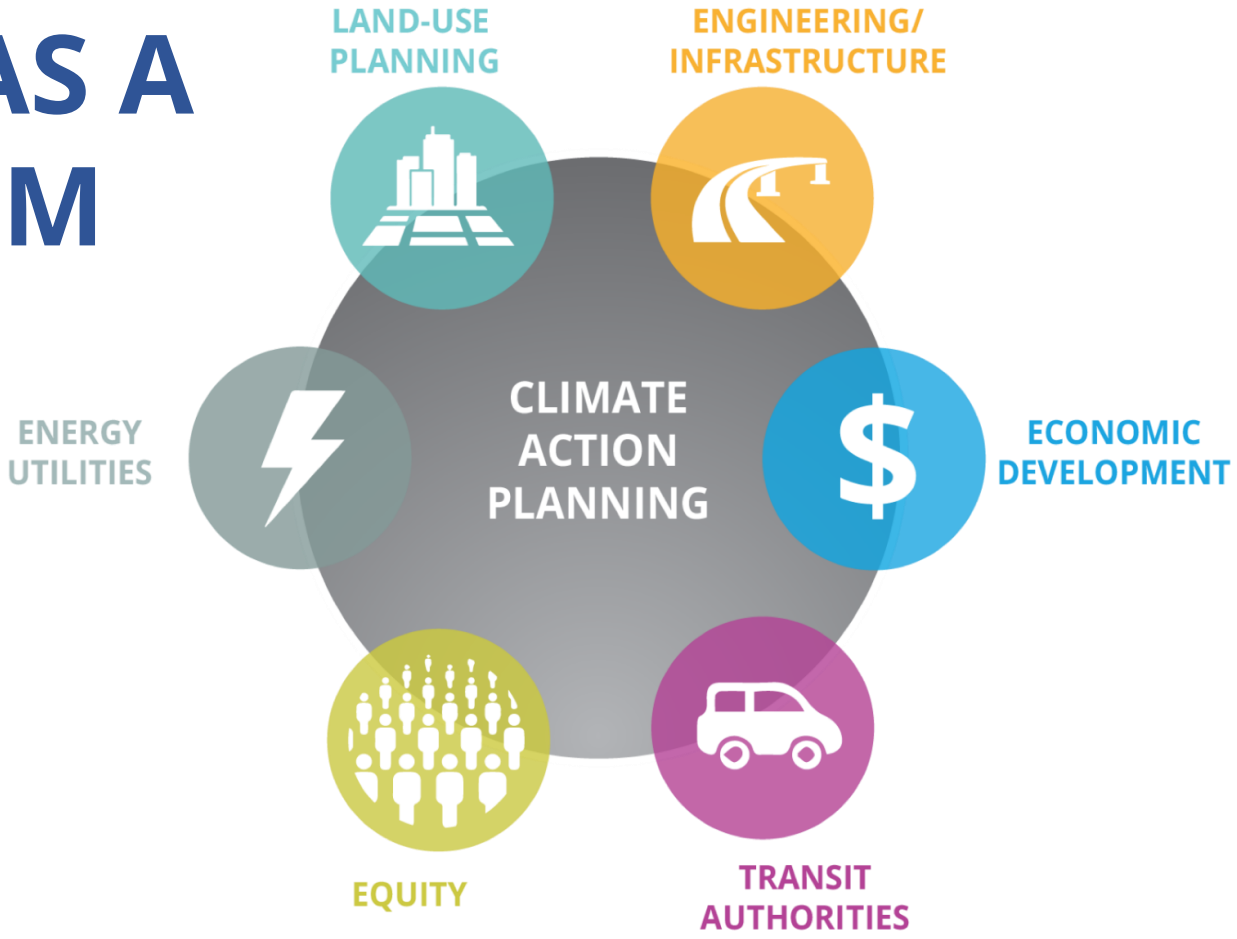
The City of Hamilton declared a climate emergency in March 2019, and has committed to reduce its GHG emissions for the **entire community** to net zero before 2050.



https://prezi.com/se1stdbvddhn/cityinsight-april-2016/

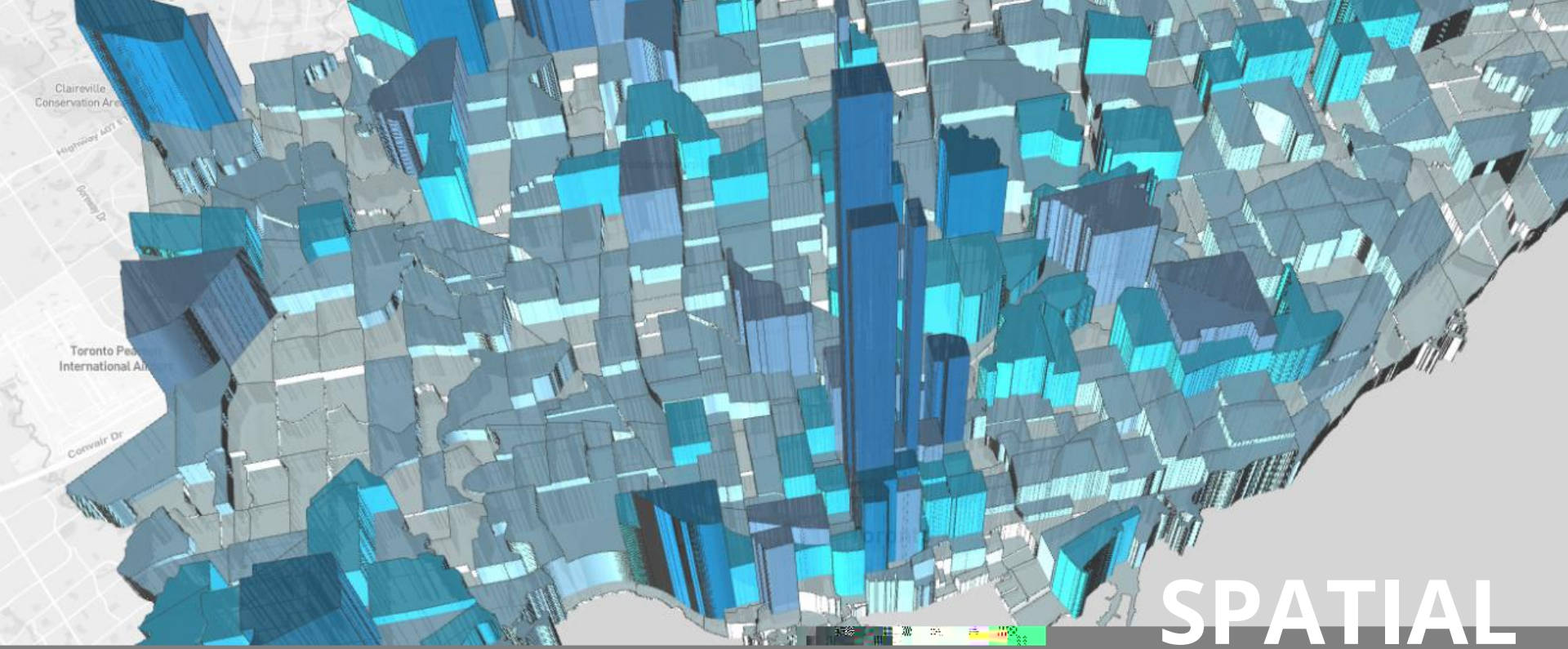
THE MODEL: CITYINSIGHT

CITY AS A SYSTEM



INTEGRATED

water use
residential energy use
local ener
productio
conversio
population & households (total)
residential buildings (spatial)
population (spatial)
population related services
land use accounting
personal vehicles
transit system
passenger transportation & energy use
en
(co
non-residential buildings (spatial)
employment (spatial)
non-residential energy use
commercial


Claireville
Conservation Are
Highway 407 E
Gerway Dr
Toronto Pe
International Air
Convair Dr

SPATIAL