

A map of the New York City metropolitan area, including parts of New York, New Jersey, and Connecticut. The map is divided into several colored regions: a dark green region on the far left (Westchester County), a light green region (Putnam County), a light blue region (Rockland County), a yellow region (Orange County), an orange region (Ulster County), and a dark blue region (Columbia County). The Hudson River is visible on the right side, and the Atlantic Ocean is at the bottom.

# Collaborating for Regional Resilience

May 11, 2017

## Time Part One: Plenary Session

9:00	Welcome and Session Goals	Christine Tu, Manager, OCC Gaby Kalapos, Clean Air Partnership
9:05	Developing Ontario's Next Adaptation Plan	Karen Clark, Director, Strategic Policy Branch, Ministry of Environmental and Climate Change
9:20	City of Toronto: Interdependencies	Dave MacLeod, Senior Environmental Specialist, City of Toronto
9:40	State of Adaptation in the GTAH	Teresa Cline, Senior Planner, Region of York Brian Kelly, Manager of Sustainability, Region of Durham Gaby Kalapos, Clean Air Partnership
9:55	Panel Discussion	Teresa Cline (moderator)
10:10	Break	

Time

## Part Two: Break Out Sessions

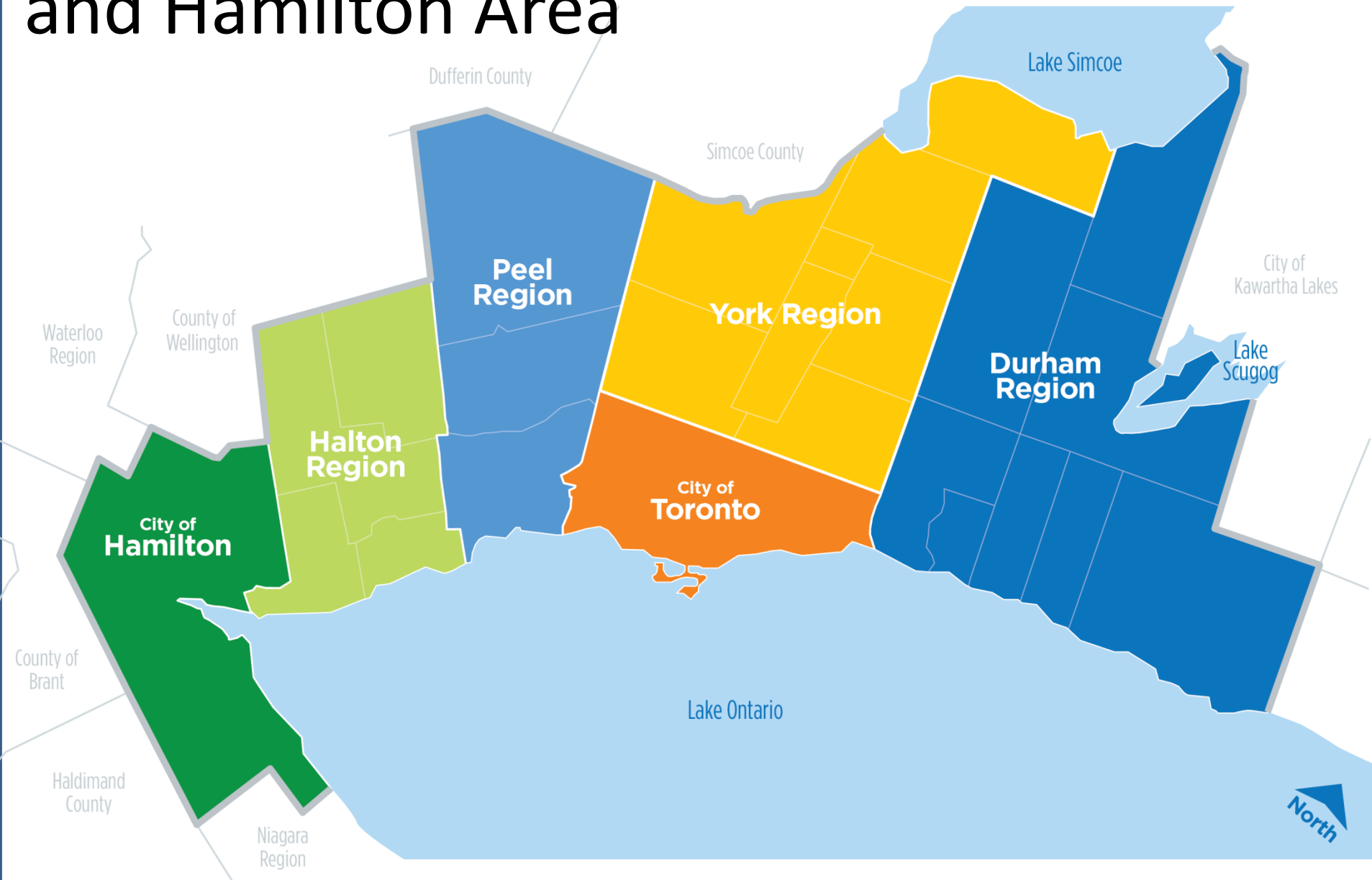
10:25	Concurrent Break Out Sessions <ul style="list-style-type: none"><li>• Transportation</li><li>• Natural Gas</li><li>• Telecommunications</li></ul>	Moderators <ul style="list-style-type: none"><li>• Teresa Cline</li><li>• Brian Kelly</li><li>• Dave MacLeod</li></ul>
10:30	Sector Expert Presentation <ul style="list-style-type: none"><li>• Transportation</li><li>• Natural Gas</li><li>• Telecommunications</li></ul>	<ul style="list-style-type: none"><li>• Steve Winkelman, Green Resilience Strategies</li><li>• Jeffrey Mazzei, Enbridge</li><li>• Tony D'Agostino, Canadian Telecom Resilience Working Group</li></ul>
10:45	Round Table Discussion	All
11:40	Report Back (This Room)	Gaby Kalapos
11:55	Wrap and Next Steps	Gaby Kalapos

# Session Goals

A map of Ontario, Canada, with several regions highlighted in different colors. The western part of the province is shaded in green. A central region is shaded in yellow. A large area in the north and east is shaded in light blue. A southern coastal region is shaded in orange. The rest of the province is unshaded.

- State of adaptation in southern Ontario
- Exploration of inter-dependency
- Rationale for Regional Collaboration

# Greater Toronto and Hamilton Area



# City of Hamilton

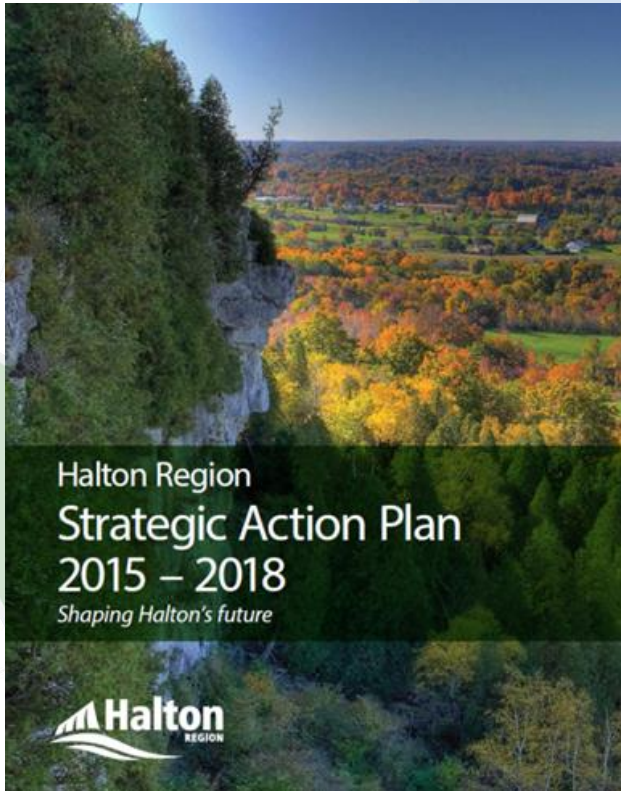


Taking Action on Climate Change in  
Hamilton – A Community Plan



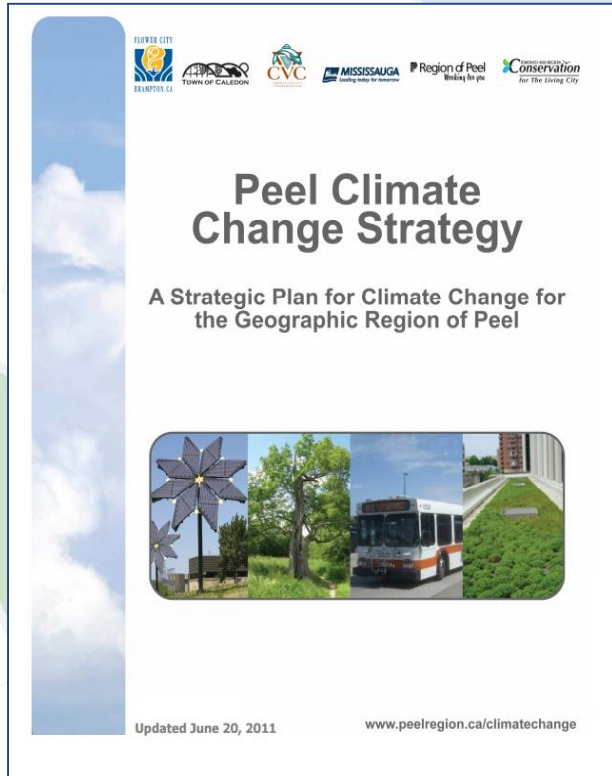
- Objective to achieve resiliency in face of changing climate.
- Developed in 2015
- Currently undertaking a Flooding and Drainage Master Servicing Study

# Halton Region



- Identified Climate Adaptation as Priority in Strategic Action Plan 2015-2018
- Completed a Flood Mitigation Strategy (2015)

# Peel Region



- 2011 – developed a Peel climate change strategy
- Undertaken a number of high level vulnerability assessments
- Developing Corporate Policy for how to integrate climate change into decision making



# York Region



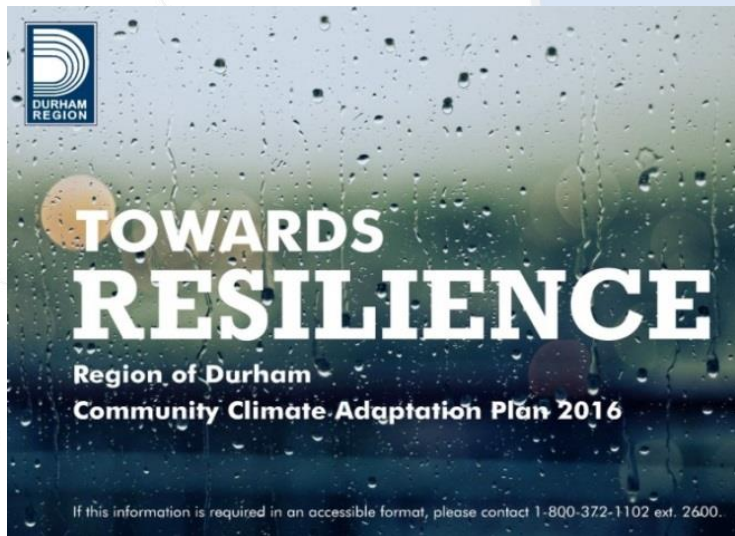
- Climate Adaptation identified as a key priority
- Draft Adaptation Action Plan, 2011
- Joint Municipal Climate Change Working Group

# City of Toronto

- Change is in the Air (2007)
- Ahead of the Storm (2008)
- Climate Change Risk Tool (2010)
- Climate Drivers Study (2011)
- Resilient City – Preparing for Extreme Weather (2013)
- Resilient City – Preparing for Climate Change (2014)
- Resilient City – Preparing for Climate Change, Update and Next Steps (2016)



# Region of Durham



- Approved in principle by Council Dec. 14/16
- Result of a 3 year process involving Region, local municipalities, CAs and electrical utilities
- Covers 7 sectors; 18 programs
- Currently being approved by all partners
- Launching Phase 3: Program Approval and Funding (current focus on Next Steps)

# Local Leadership



# Informal Collaboration

- Municipal representatives have been collaborating informally
  - Through CAP
  - Through OCC
  - Through Working Groups



**Clean Air  
Partnership**



ONTARIO  
CLIMATE CONSORTIUM

# Adaptation Goals

**Priority Policy Goal as Identified By the Clean Air Council.**

*Integrate a “greenhouse gas reduction and adaptation lens” to funding, infrastructure processes and decision making, including technical support for municipalities in the development of climate change adaptation plans.*



**CLEAN AIR**  
C O U N C I L

*A network of 29 municipalities working collaboratively to advance clean air and climate change actions.*

# Clean Air Council Feedback

- Future climate projections and impacts are necessary, but data is insufficient to ensure it gets factored into decision making.
- Increased support and capacity building for analysis of the data is greatly needed.
- A framework and requirements for incorporating climate into municipal decision making is required.
- Climate change considerations in infrastructure funding and decision making is needed to be publicly reported on in order to ensure accountability, transparency and implementation progress.
- A financing mechanism will be required to ensure that no one level of government is unduly burdened with financing resilience in an inequitable manner.



# How to Act on Resilience Priorities

- Climate Change Methodology Toolkits are required for various sectors: Public Health (MOHLTC has developed one), Public Works & Infrastructure Services, Planning, Emergency Services, Transportation, Finance Officers, Council, etc..
- Training and capacity programs (online/in-person) should accompany these Toolkits and they should be aligned with professional accreditation.
- Education and awareness building for the public is also key to increasing the ability for climate change to be factored into decision making.
- Other sectors would also need to be able to advance their decision making taking climate change into consideration within their decision making (for example telecom, transportation, utilities, etc..)
- Further exploration is necessary to identify cross dependency between various sectors and their various Action Plans.



**KEEP  
CALM  
AND  
FOCUS ON  
PRIORITIES**



# Shared Sector Break Out Sessions



- Presentation from Sectoral Experts
  - Steve Winkelman, Transportation
  - Jeffrey Mazzei, Natural Gas
  - Tony D'Agostino, Telecom
- Discussion Questions
  - Identification of Key Vulnerabilities?
  - Who needs to be involved to address vulnerabilities?
  - What are the interdependencies that need to be factored in?
  - Rationale & benefit of working at regional scale?
  - Possible tools, actions, to engage, identify and implement risk reduction?

# Room Locations Sector Discussions

- Transportation
- Natural Gas
- Telecom
- In this Plenary Room
- In Room
- In Room

