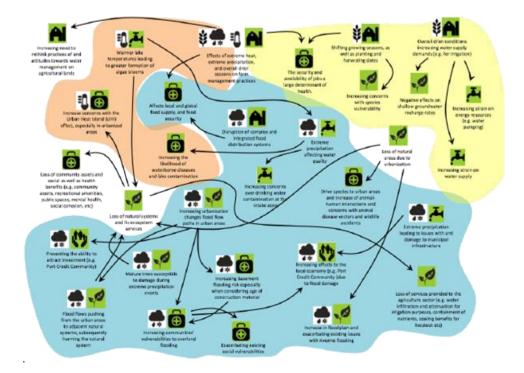
Integrating Climate Data into Decision Making in the Region of Peel



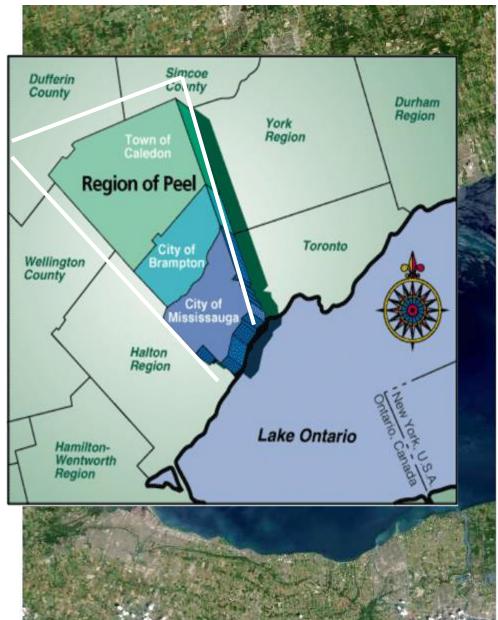
Mark Pajot Advisor, Office of Climate Change and Energy Management Corporate Service Region of Peel

Outline

- Peel Region Strategic Priorities
- Peel Climate Change Strategy and Partnership
- Climate Trends
- Assessing vulnerability to climate change
- Key wins
- Key take aways

Region of Peel

- 1257 Sq. Kilometres
- 3 Municipalities
 - City of Mississauga
 - City of Brampton
 - Town of Caledon
- Located in GTA
- At 1.45 million
- Peel Region has second largest population in Ontario



THE GOLDEN HORSESHOE

Peel Region Strategic Plan (2015-2035)

		rith you to create a healthy, safe and connected community Brand: Working with you		
1	Living			
	 Reduce poverty Increase affordable housing Increase stable employment 	Living	Thriving	Leading
	Thriving	es are improved for in time of need	Communities are integrated, safe and complete	Government is future-oriented and accountable
	 Increase waste diversion Adapt to and mitigate the effects of climate change Promote healthy and age-friendly built environments Improve goods movement Plan and manage growth 	able housing options s to employment of my choice consibility to contribute ng of my community s to services that meet stages of life	 We live in a community that embraces diversity and inclusion We live in a community where the built environment promotes healthy living We live in a community that promotes economic sustainability and future investments in Peel 	 I trust that sustainability and long- term benefits to future generations are considered I trust that coordination and partnerships occur I trust that a systematic approach to innovation is in place
	Leading		4. We live in a community that promotes	4. I trust that the community voice and
	 Modernize service delivery Attract and retain top talent Create a modernized workplace 	s to culturally rvices s to local, nutritious food	mobility, walkability and various modes of transportation5. We live in a community where growth is well managed6. We live in a community that is environmentally friendly	participation is welcome5. I trust that Peel is a well managed government6. I trust that the Region of Peel is a model and progressive employer

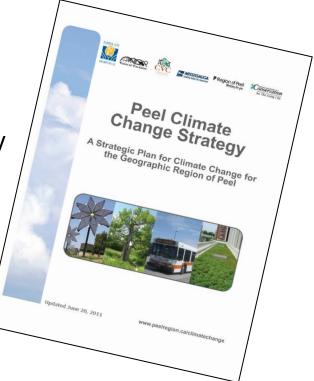
Peel Climate Change Strategy

The Peel Climate Change Strategy was adopted by Regional Council on June 23, 2011

Partners have been attempting to achieve six goals by implementing 38 actions outlined in the Strategy

Aiming to:

- 1. Strengthen the Partnership
- 2. Reduce Community Vulnerability
- 3. Reduce Community Greenhouse Gases



Partners:



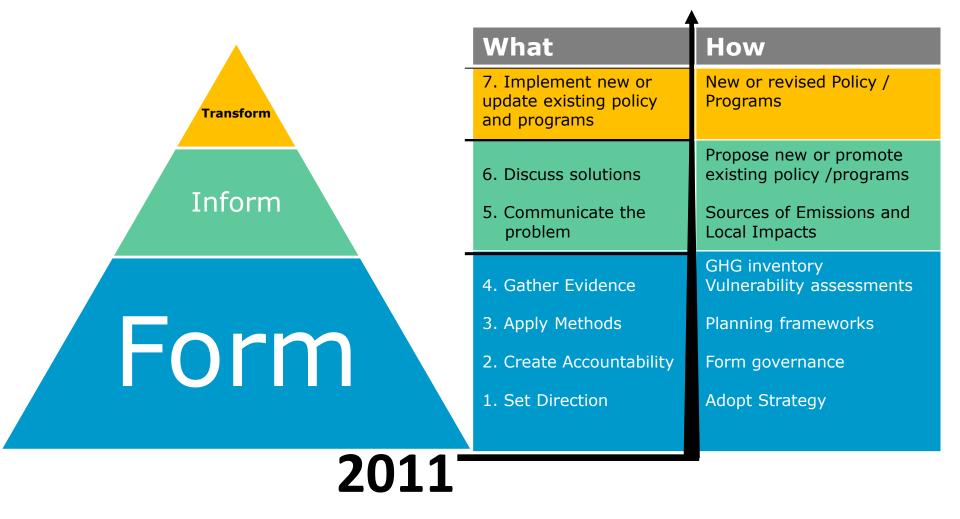




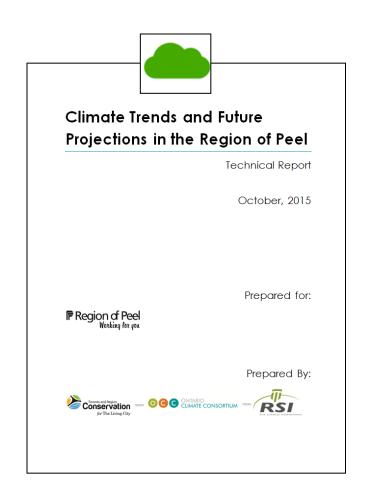




Evidence Informed Approach to Climate Change Planning



Climate Trends and Futures



FUTURE CLIMATE TRENDS IN THE REGION OF PEEL

A recent study found the following predicted climate trends for Peel Region by the end of the century:

It is very likely (90-100% probability):



- Annual mean temperature will rise by ⁵,[°]C.
- The number of extreme heat days (over 30°C) will more than double.

It is likely (66-100% probability):

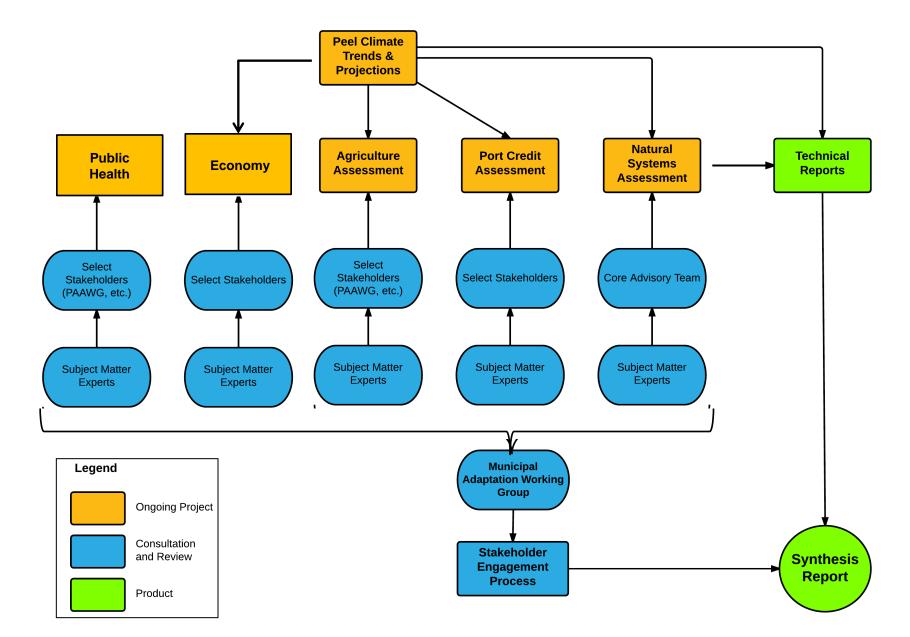


• The intensity of bad storms will increase by 28-51%.

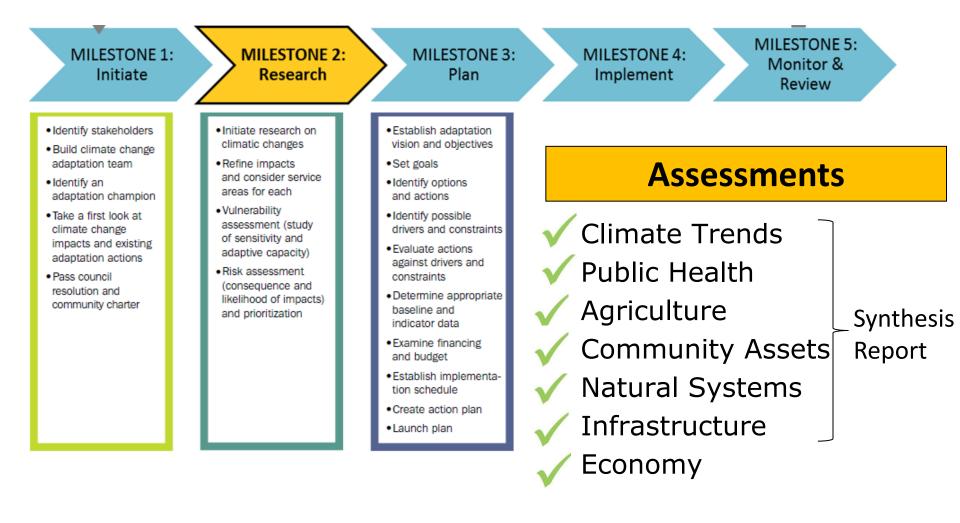


 The length of the growing season will extend by as much as 20% on average (from 169 days to 203 days).

Assessment Review Process



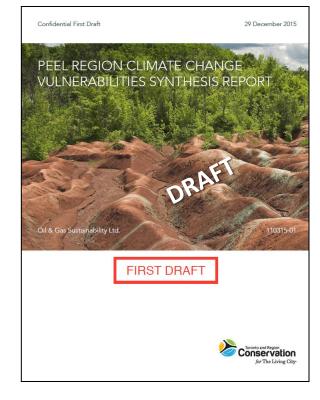
Evidence gathered through Vulnerability Assessments

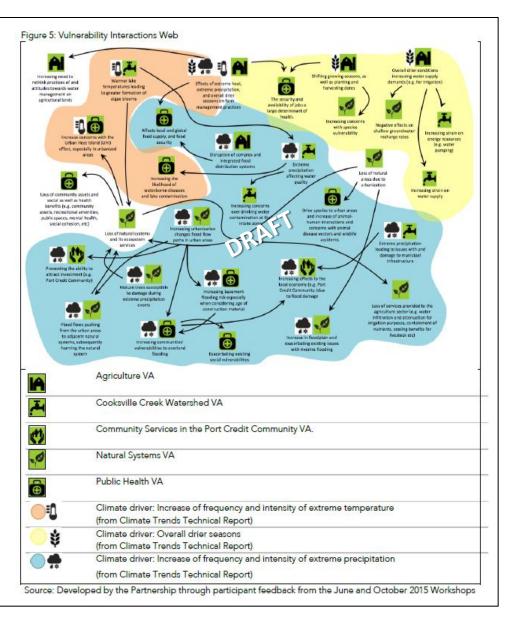


Research Results: Technical Reports and Synthesis



Synthesis Report – Key Vulnerabilities





Key Wins So Far...

- Term of Council Priority "Adapt to and Mitigate Climate Change"
- First office of climate change at municipal level in Canada
- Renewed Partnership made up of senior leaders
- Pending Corporate Policy to "integrate climate change into decision making"
- Pending 10 year Climate Change Master Plan



Key Take A Ways

- Verify and ground-truth climate data by user community through vulnerability assessment process.
- Be comprehensive and include multiple sectors and impacts to clearer picture of the magnitude of the problem.
- Plan in Partnership so as to distribute/ share risk
- Adopt planning frameworks and set milestone planning targets
- Frame the problem as an opportunity to enhance resiliency (build capacity / strengthen partnership) rather than as a threat to be managed.
- Present complex information in a visually appealing and accessible way.
- Be open and transparent
- Accept the principle of subsidiarity and lead solutions