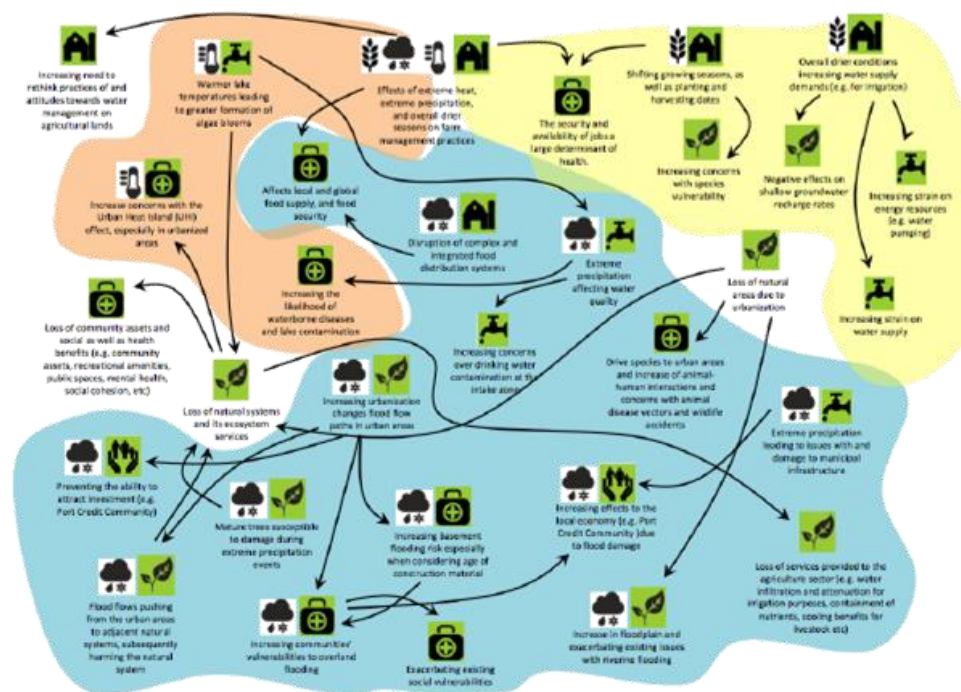


Integrating Climate Data into Decision Making in the Region of Peel



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

Outline

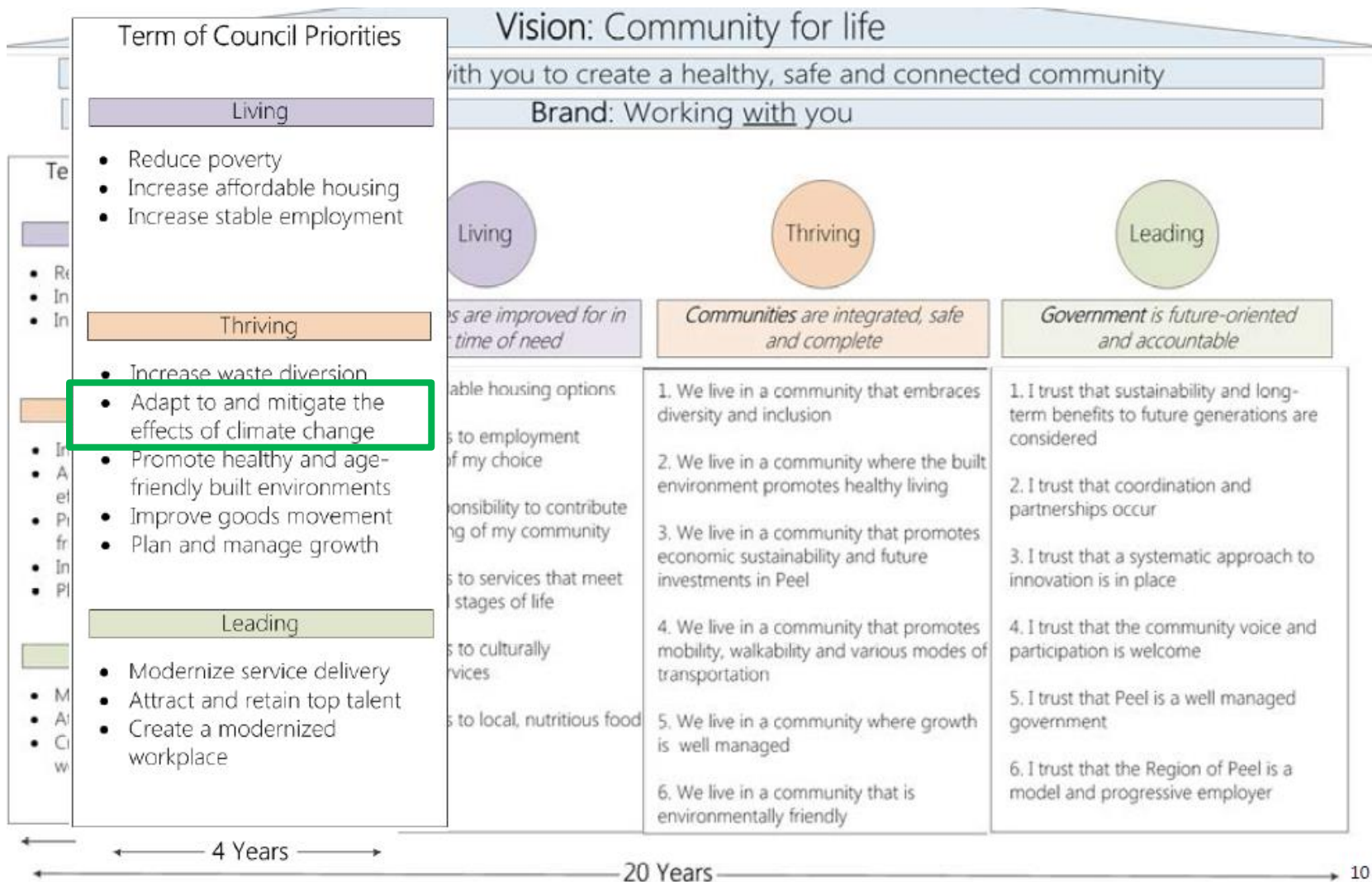
- Peel Region Strategic Priorities
- Peel Climate Change Strategy and Partnership
- Climate Trends
- Assessing vulnerability to climate change
- Key wins
- Key take aways

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



Peel Region Strategic Plan (2015-2035)



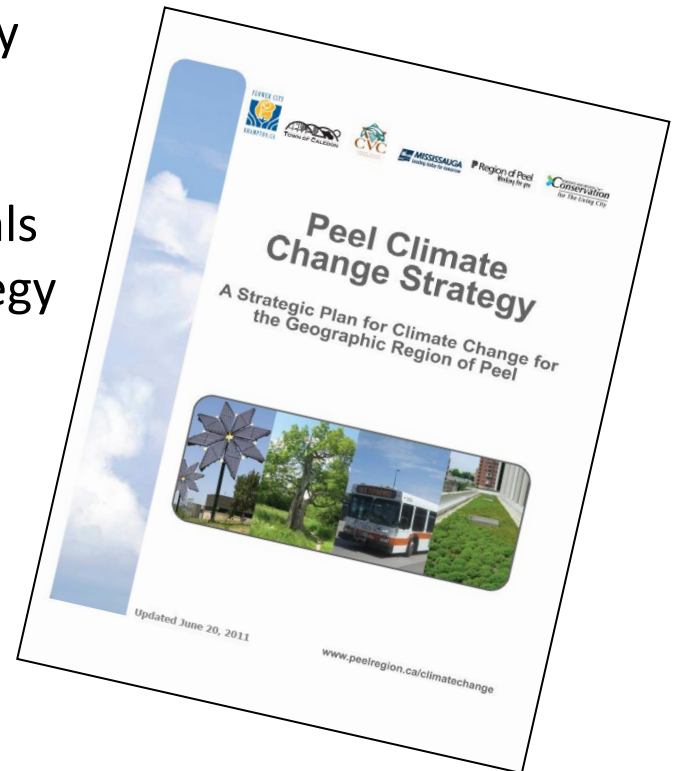
Peel Climate Change Strategy

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:

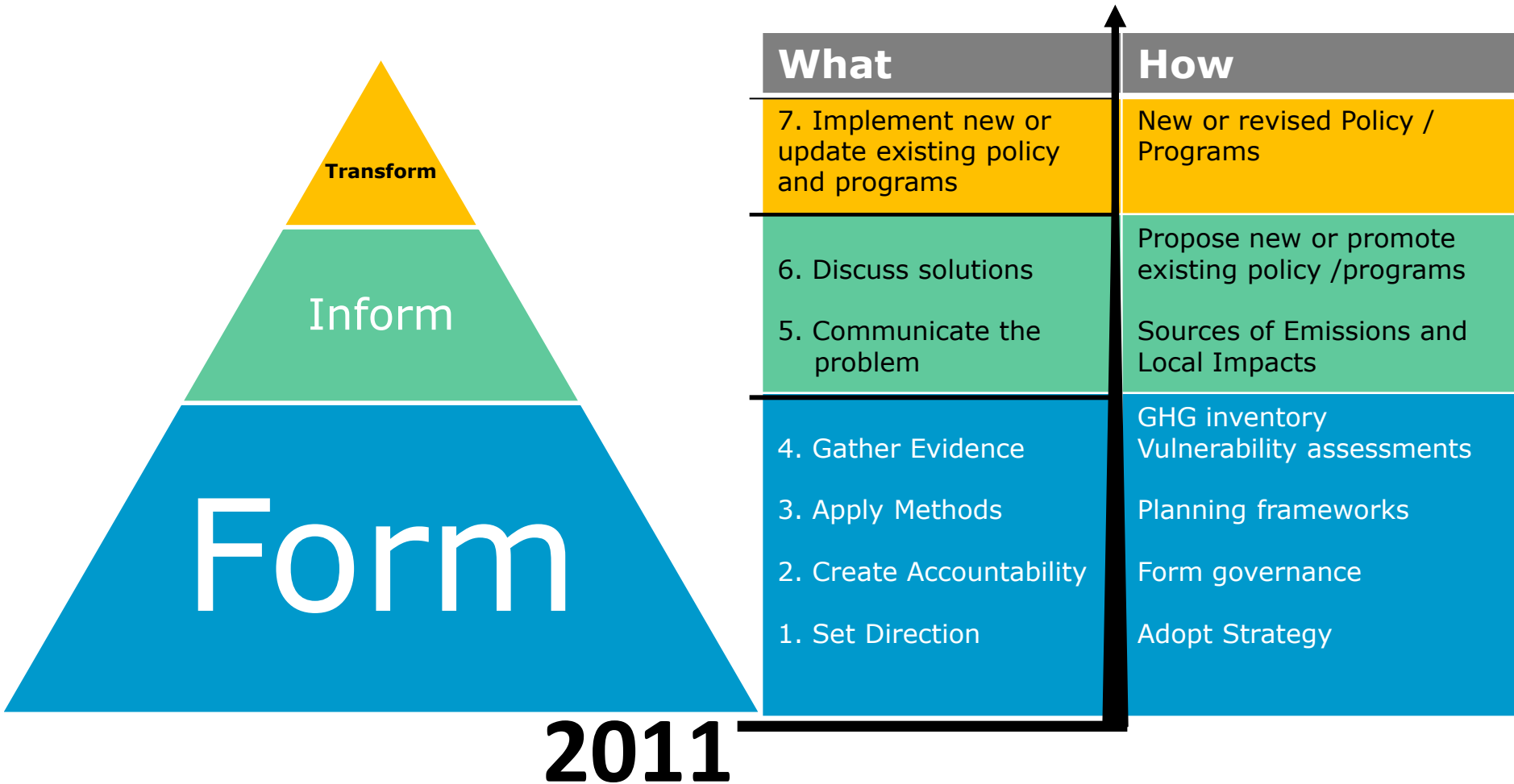
1. Strengthen the Partnership
2. Reduce Community Vulnerability
3. Reduce Community Greenhouse Gases



Partners:



Evidence Informed Approach to Climate Change Planning



Climate Trends and Futures



Climate Trends and Future Projections in the Region of Peel

Technical Report

October, 2015

Prepared for:



Prepared By:



ONTARIO
CLIMATE CONSORTIUM



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):

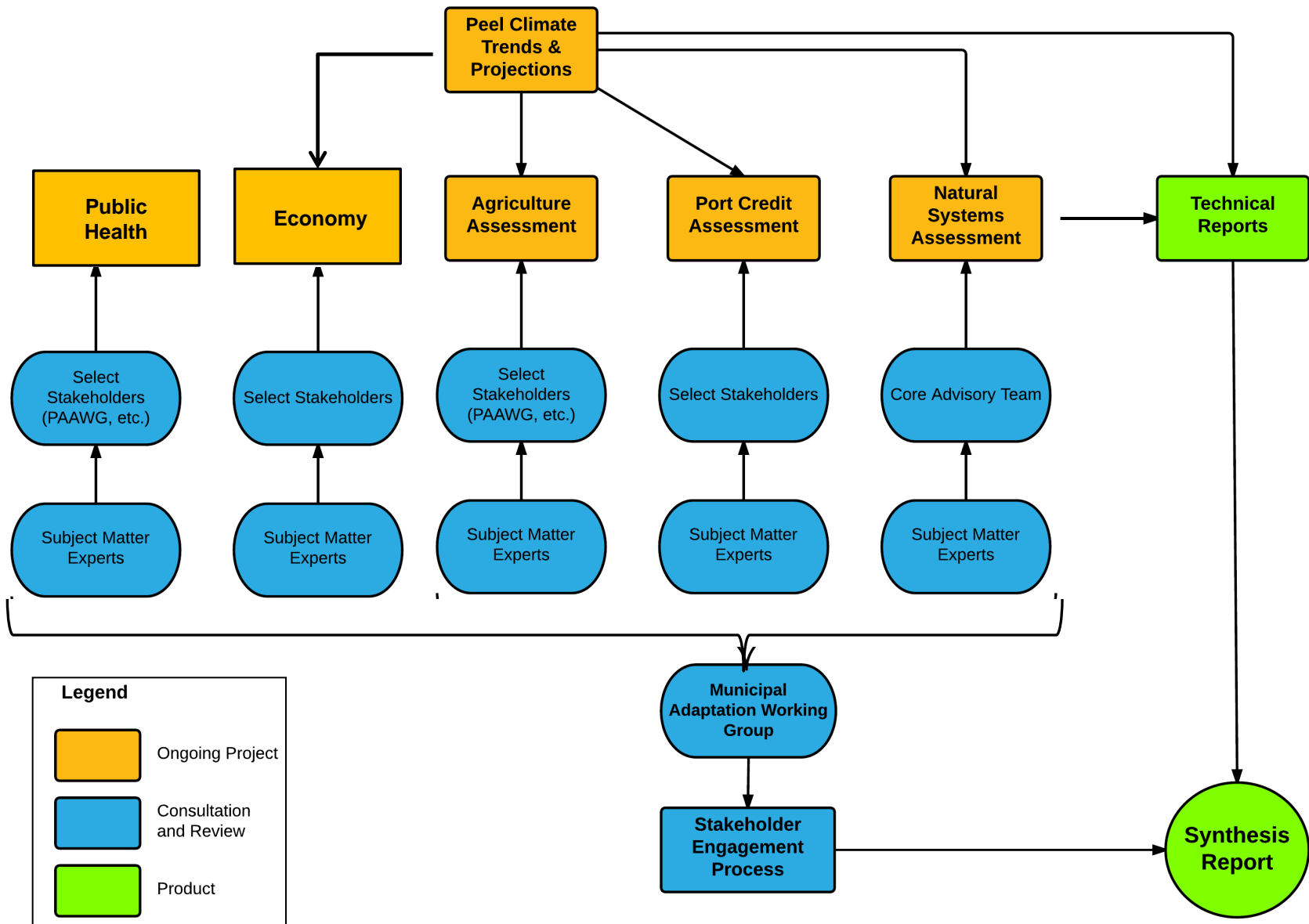
- Annual mean temperature will rise by 5°C.
- The number of extreme heat days (over 30°C) will more than double.

It is likely (66-100% probability):

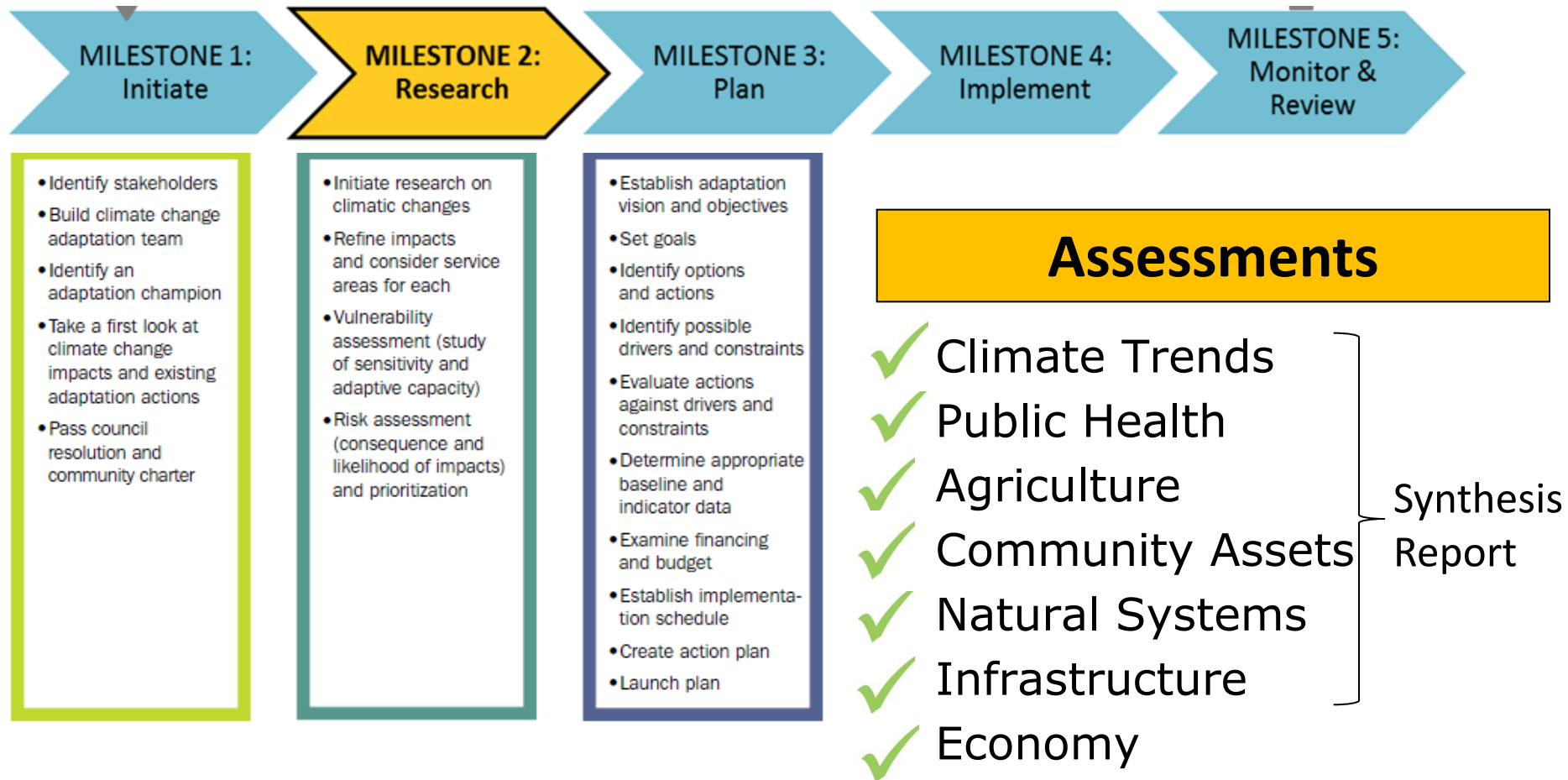
- The intensity of bad storms will increase by 28-51%.
- The length of the growing season will extend by as much as 20% on average (from 169 days to 203 days).



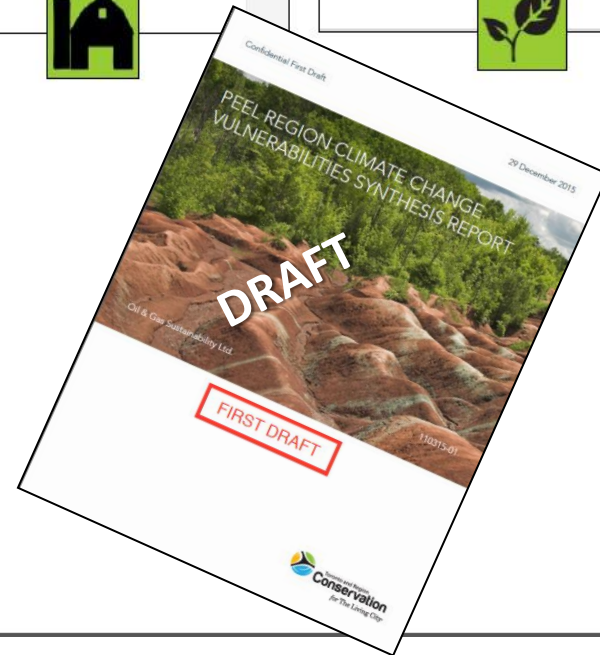
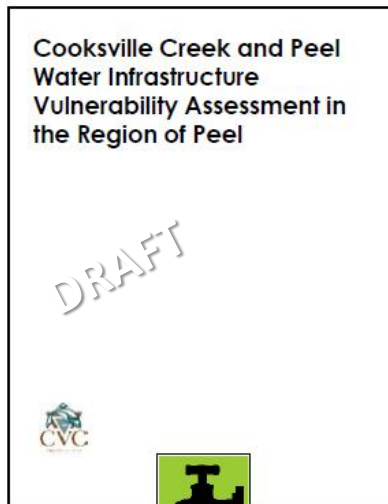
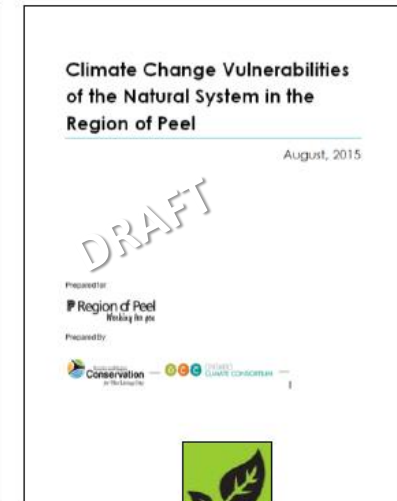
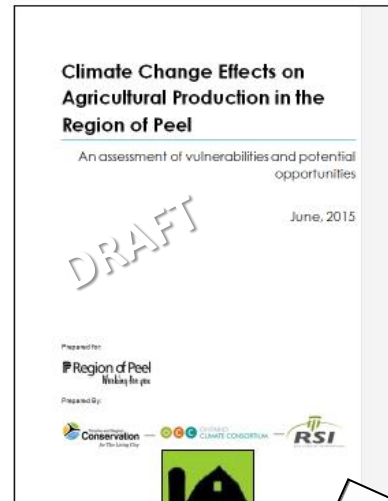
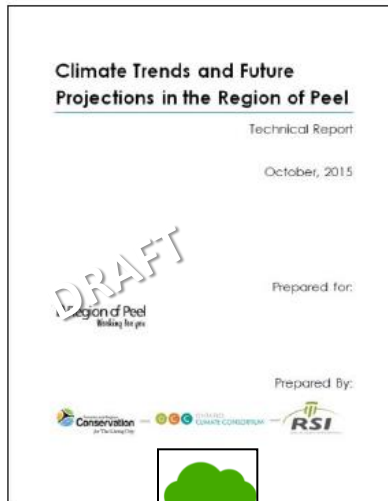
Assessment Review Process



Evidence gathered through Vulnerability Assessments



Research Results: Technical Reports and Synthesis



Synthesis Report – Key Vulnerabilities

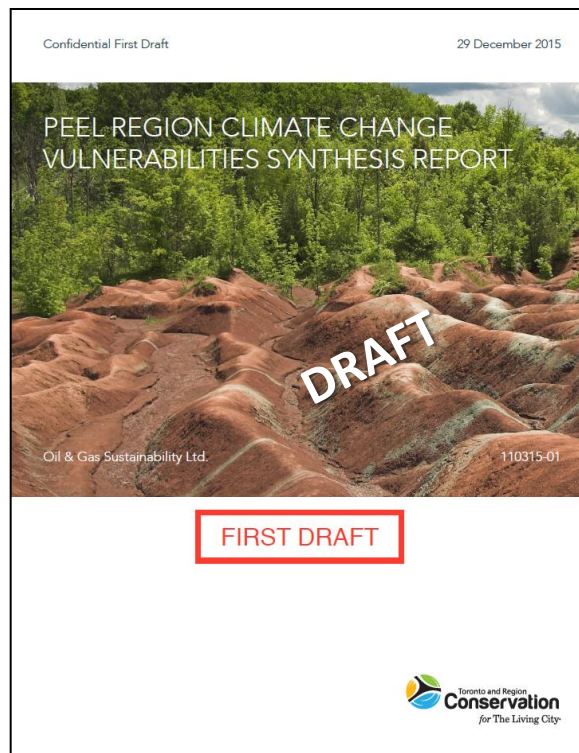
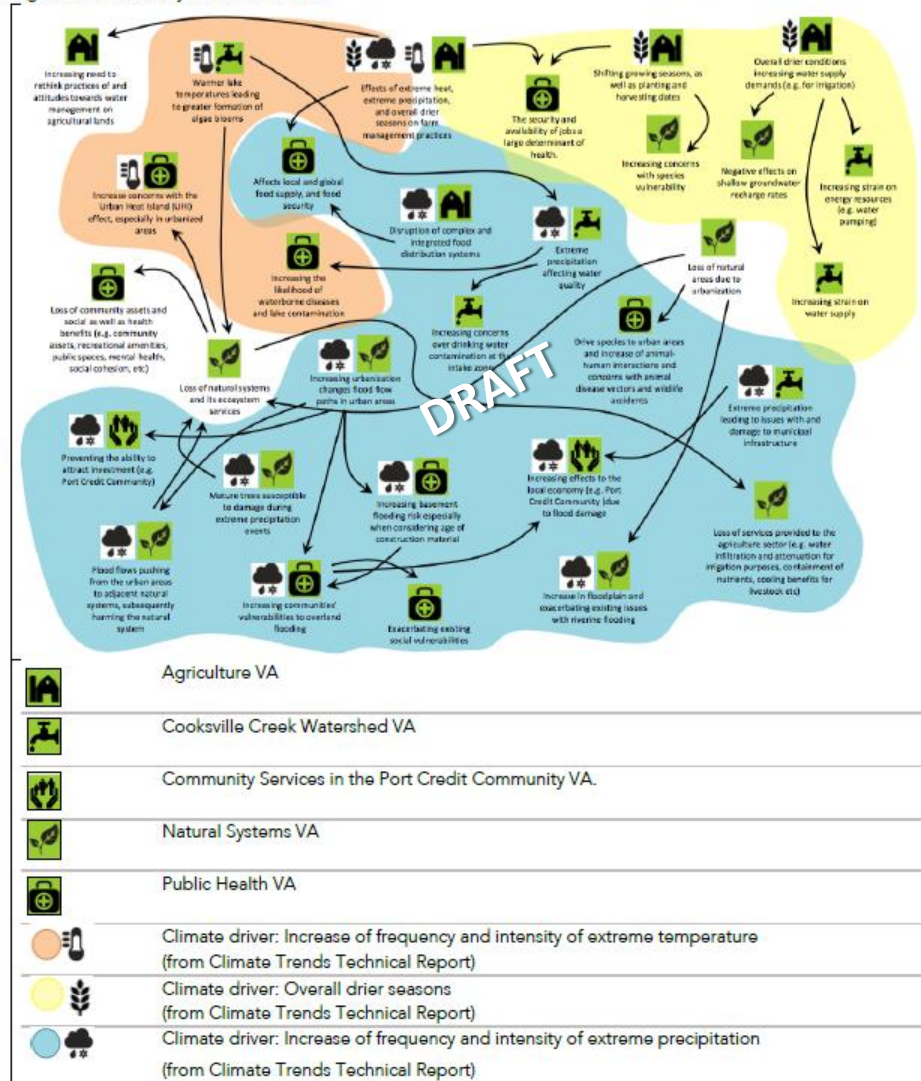


Figure 5: Vulnerability Interactions Web



Source: Developed by the Partnership through participant feedback from the June and October 2015 Workshops

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