



RESILIENT
CALEDON

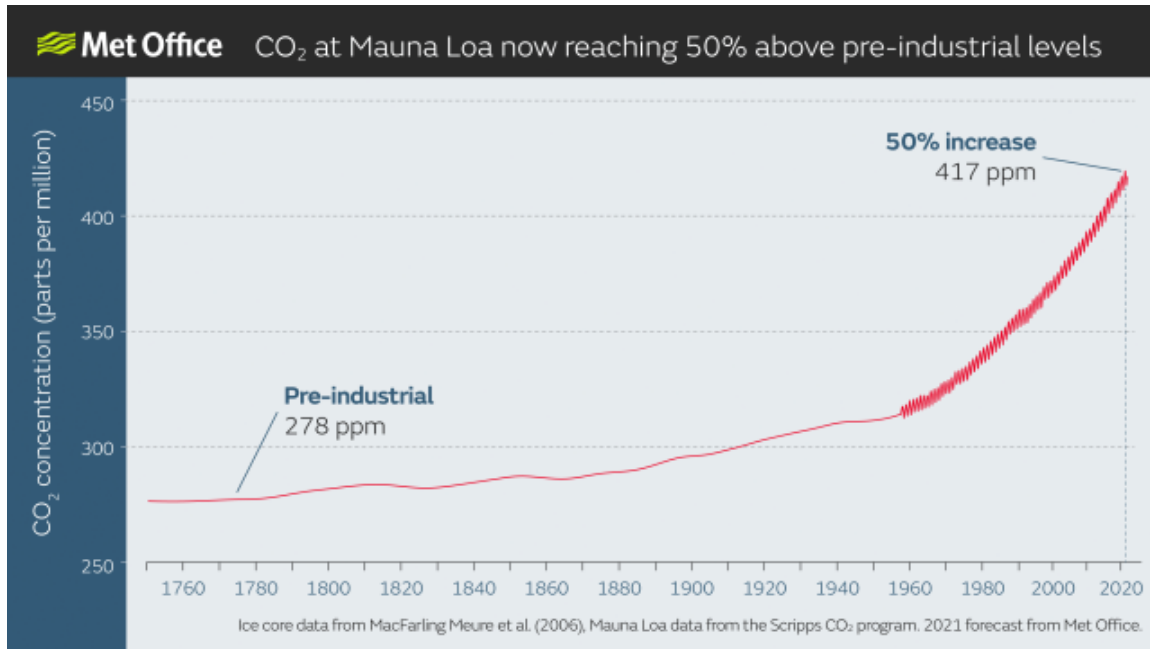
Thinking **BIG** on Climate Change

Resilient Caledon Community Climate Change Action Plan Update

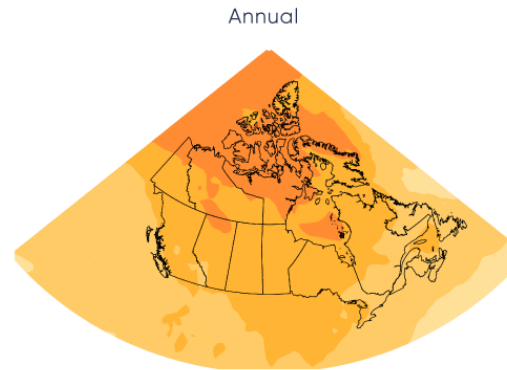


The Climate Emergency

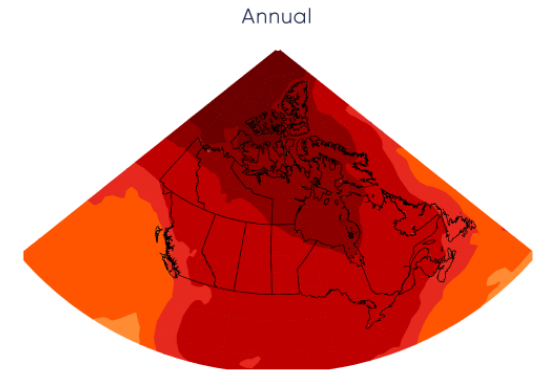
"It took over 200 years for CO₂ levels to increase by 25%, but now, just over 30 years later we are approaching a 50% increase." – The Meteorological Office



Temperature change RCP2.6 (2081-2100)



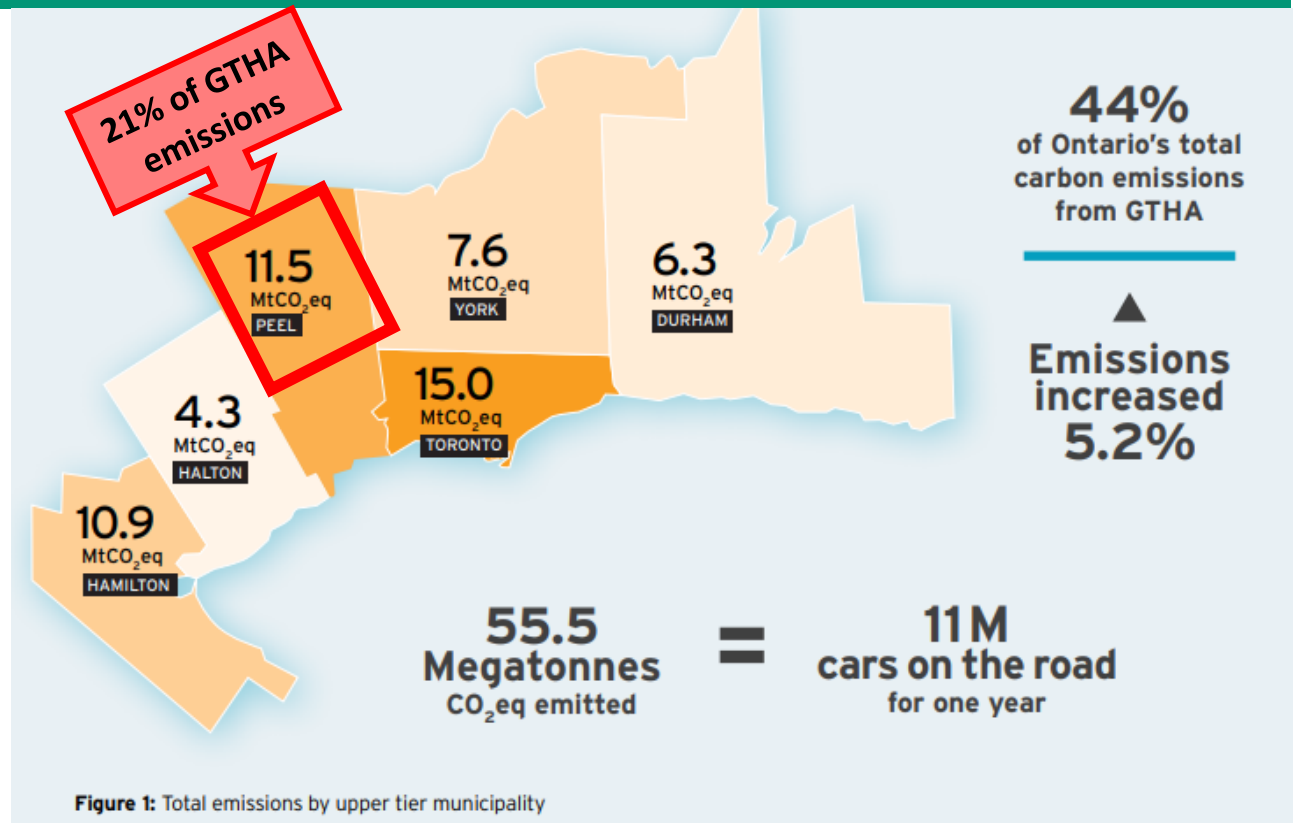
Temperature change RCP8.5 (2081-2100)



Council declared a Climate Emergency and passed a target that aligns with global science

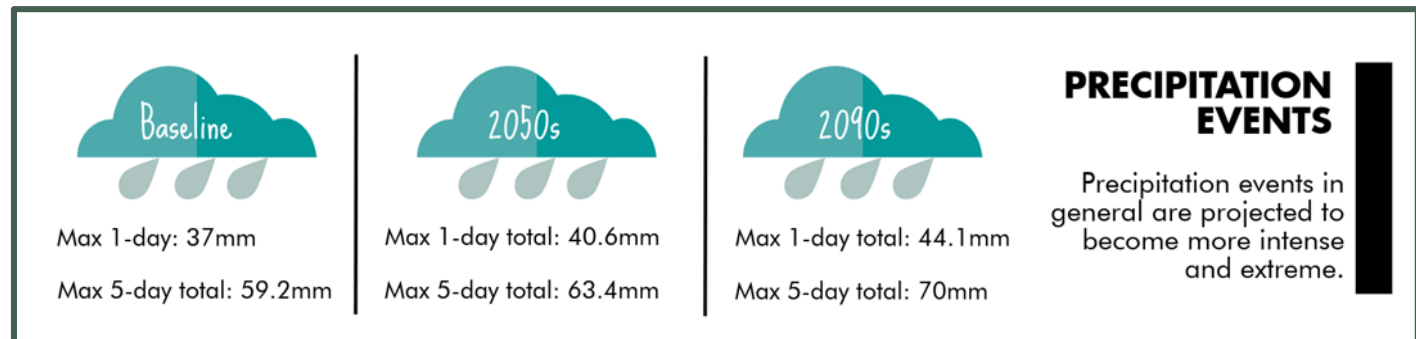
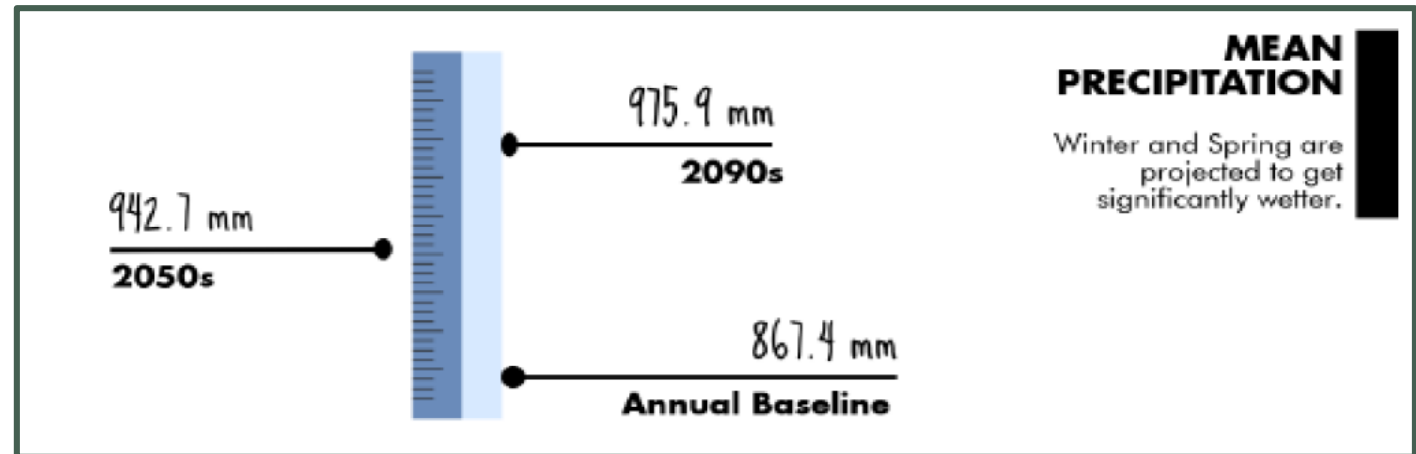
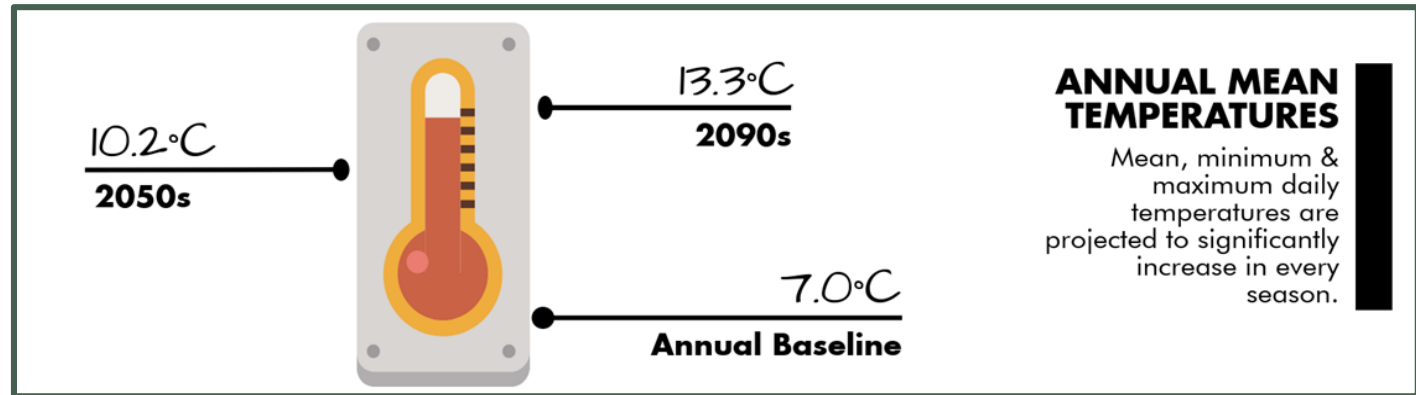
Municipal Role in Climate Action

Municipalities have direct or indirect influence **over half** of Canada's emissions



The Atmospheric Fund, Reality Check Carbon Emissions Inventory for the GTHA 2018

What will climate change look like in Caledon?



How will climate change impact the Town?



INFRASTRUCTURE



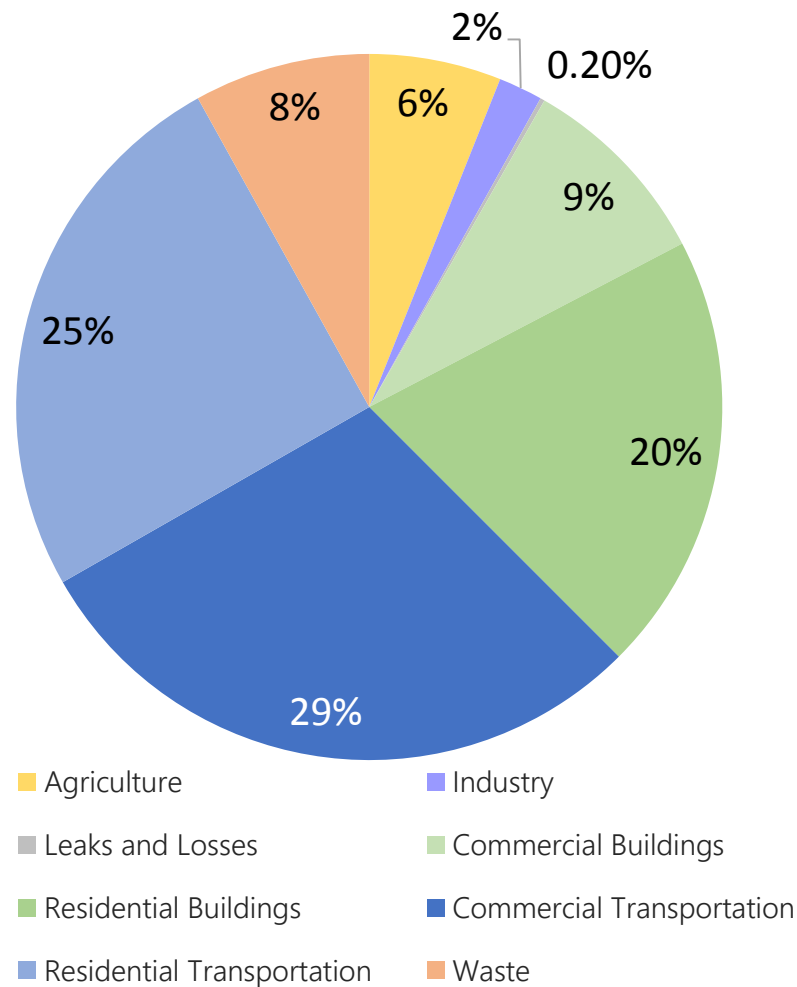
SOCIOECONOMIC



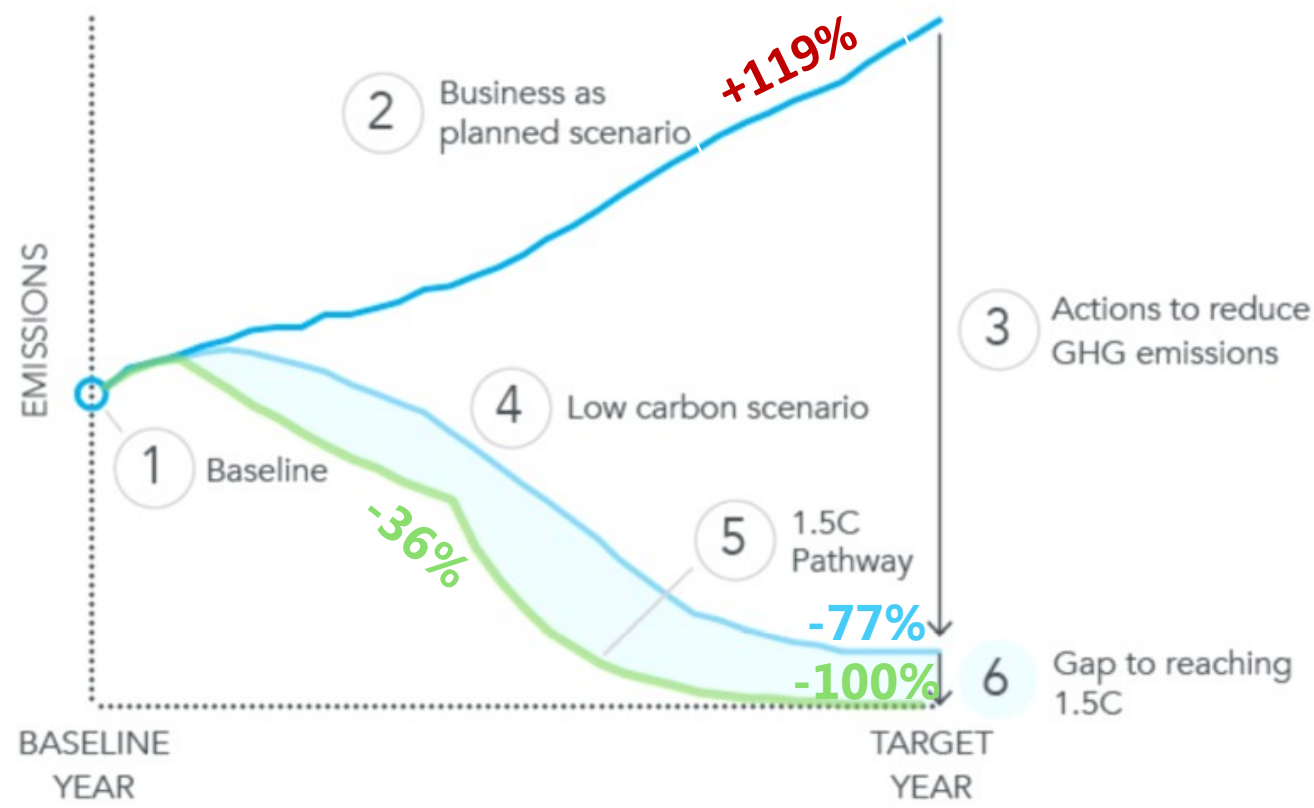
NATURAL SYSTEMS

Caledon's GHG Emissions

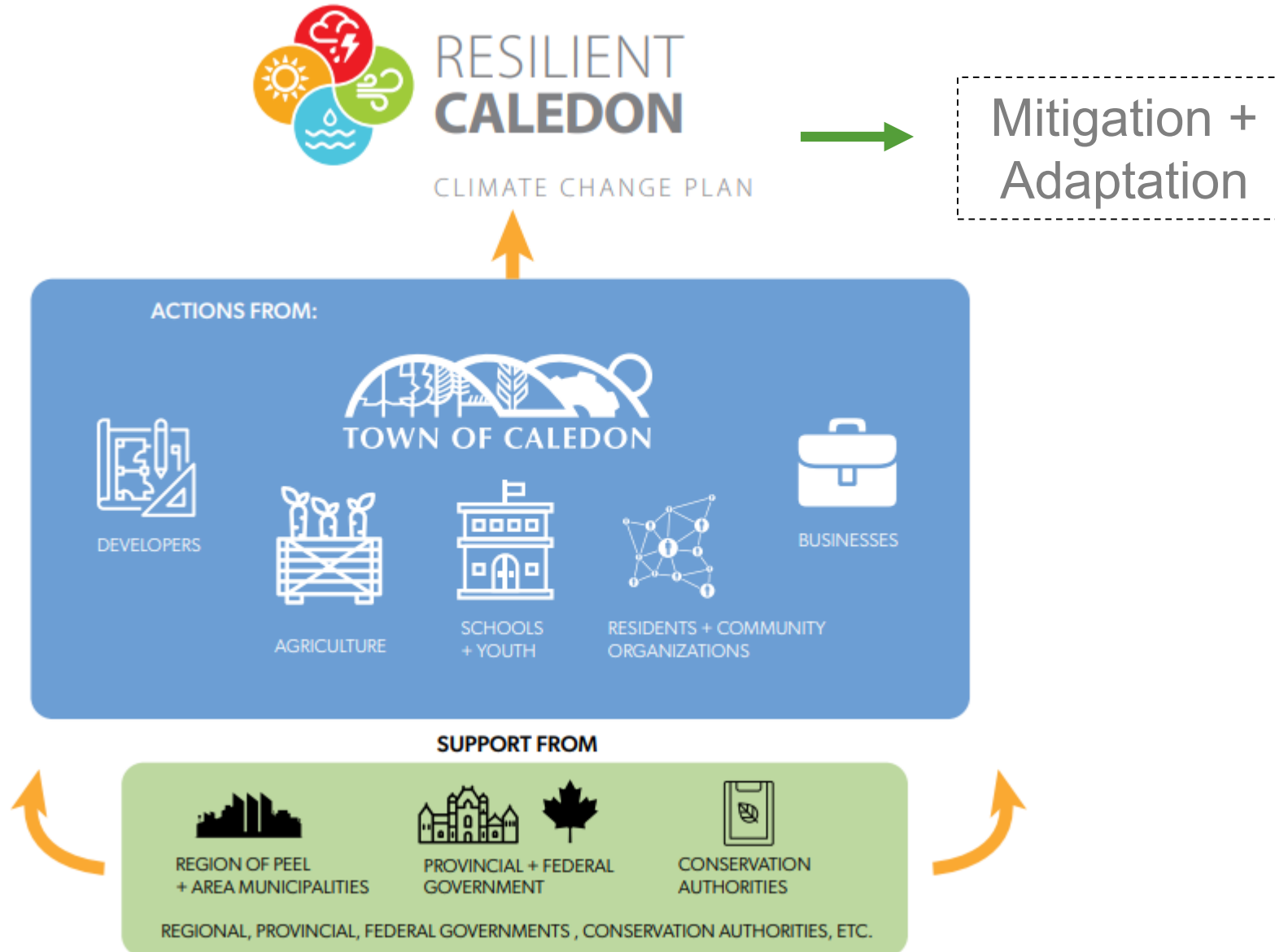
2016 Baseline GHG Emissions



Community-wide GHG Emissions and Targets



Building a Resilient Caledon



Consultation

170

Responses to
online survey

300

Climate
conversations at

9

community
events

4

DIY workshops hosted
by community members

70

sector experts at 2
stakeholder events

5

Climate
Change
Task
Force
Meetings
Held

200+

Youth engaged at
high school talks

27

Submissions on CCCAP draft

14

Divisional meetings held

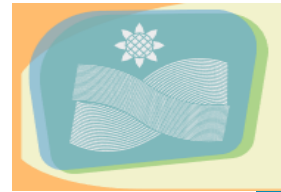
Pillars of the Plan



SMART GROWTH



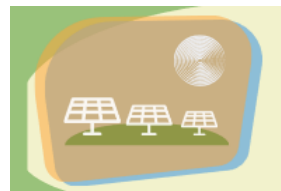
SUSTAINABLE COMMUNITIES



AGRICULTURE AND NATURAL SYSTEMS



LOW CARBON TRANSPORTATION



RESILIENT INFRASTRUCTURE & ENERGY



The Resilient Caledon Plan is a major investment opportunity for Caledon, with up to \$4.9 billion in savings and returns to the community over the next 30 years.

Investment Opportunity

- Return on investment is largely from energy savings (i.e. reduced utility bills, lower operating costs of vehicles, etc.)
- For every \$1 invested in climate adaptation, \$6 are saved in future damages (Insurance Bureau of Canada)
- Investments made across all sectors will create approximately 38,000 person years of employment

Additional Benefits

Taking action on climate change is not only about reducing GHG emissions. The Resilient Caledon Plan will result in additional benefits across the community.

**New jobs
and
investment**

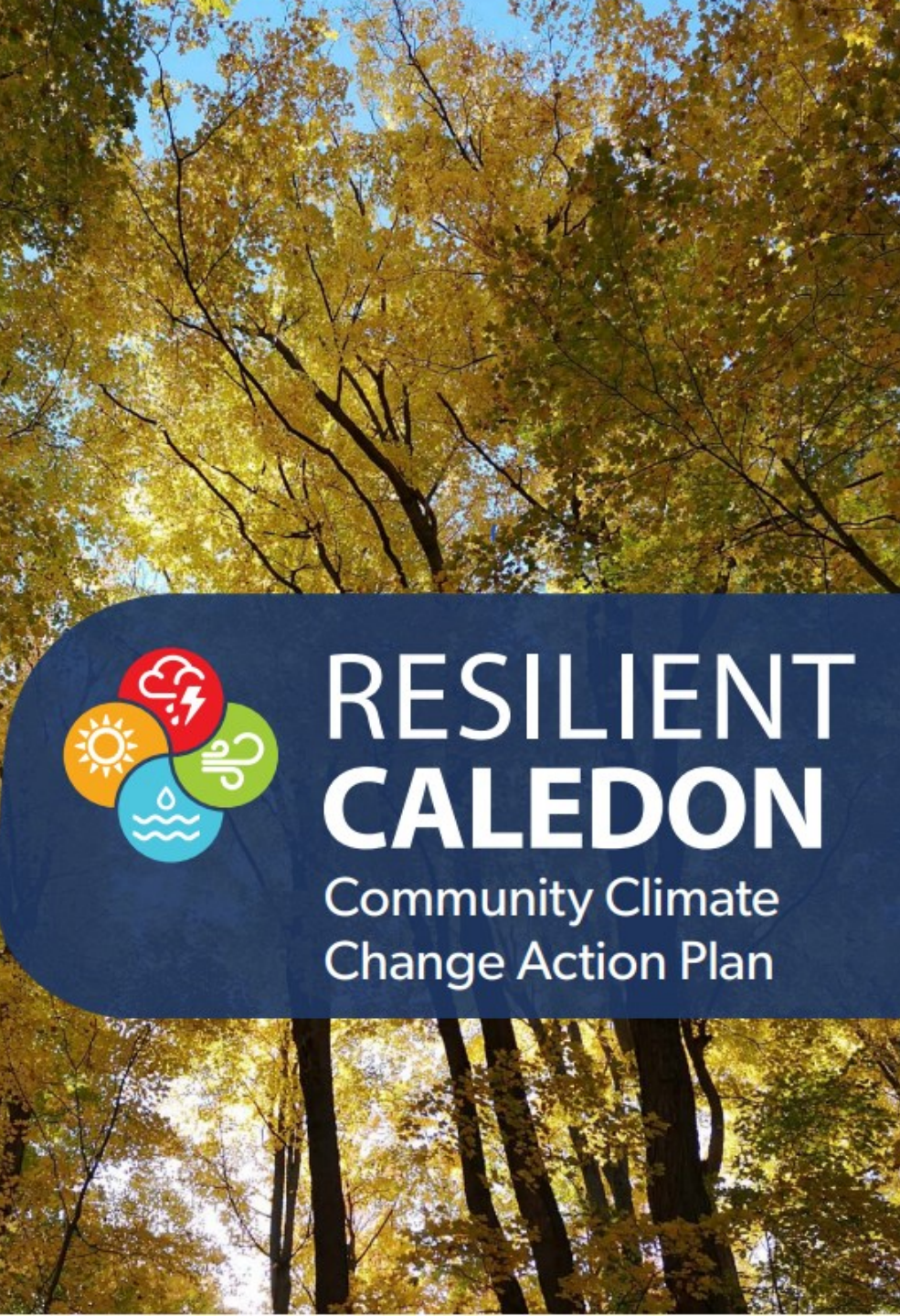
**Clean air
and better
health**

**Lower
energy
costs**

**Enhanced
public safety**

**Greater
habitat and
biodiversity**

**Sustainable,
livable
communities**



Implementation Priorities

Develop a governance strategy to support the implementation of the Resilient Caledon Plan

Apply a climate lens to Official Plan Update

Establish a Green Development Standard

Planning for municipal zero carbon buildings and fleet

Framework for assessing risk and protecting critical infrastructure

Develop a program to support the retrofit of existing buildings and expand renewable energy