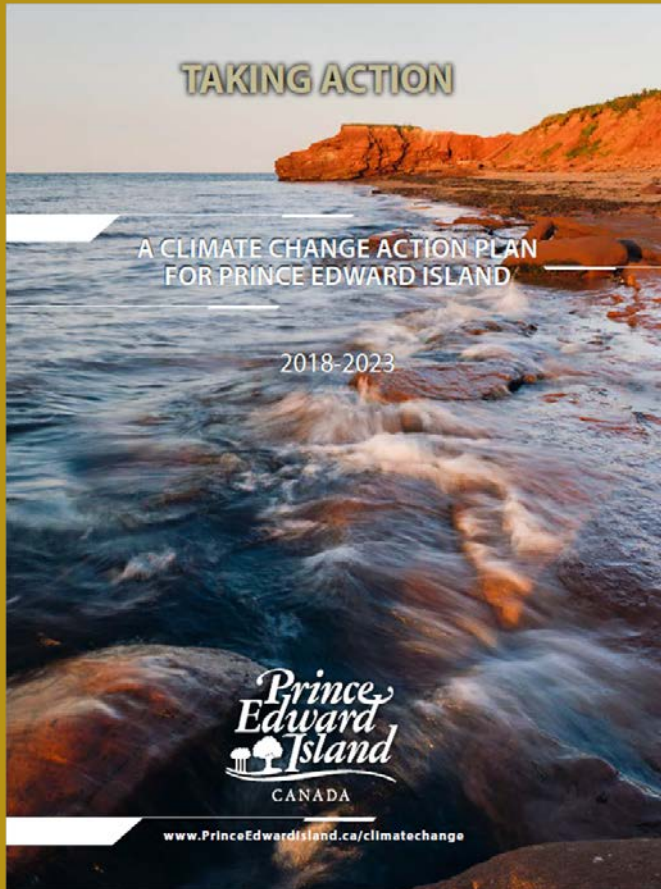


# Climate Change Action Plan

Special Legislative Committee on Climate Change

October 24, 2019

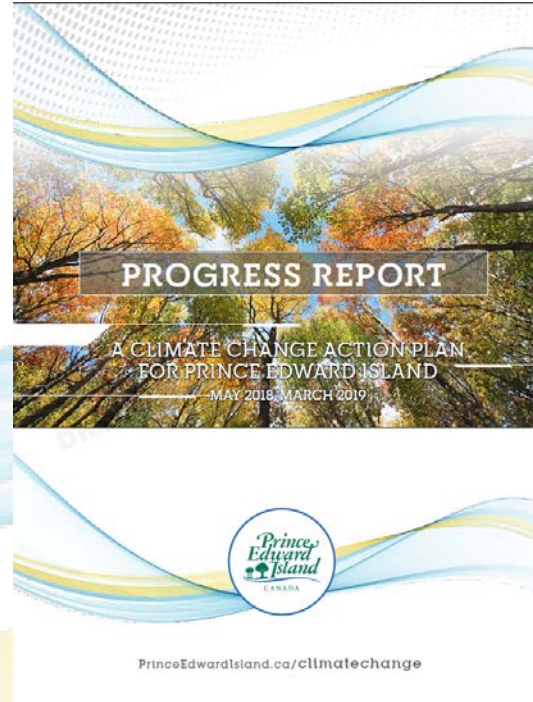




- released May 2018
- 5-year plan
- 5 commitments
- 32 action items

# Reporting

- annual progress report released today
- available on the Climate Change Action Plan website



# Commitment #1

## Adapt to Climate Change (lowering risk due to a changing climate)

### 8 Actions

#### GOAL



GOAL

increase  
resilience

#### PROGRESS



PROGRESS

7 of 8

actions in  
progress

#### PARTNERS



Canada



## Commitment #2

# Reducing GHG Emissions 10 Actions

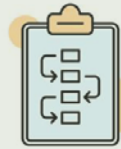
### GOAL



GOAL

30%–40%  
below  
2005 by  
2030

### PROGRESS



PROGRESS

**10** of 10  
actions  
done or in  
progress

### PARTNERS

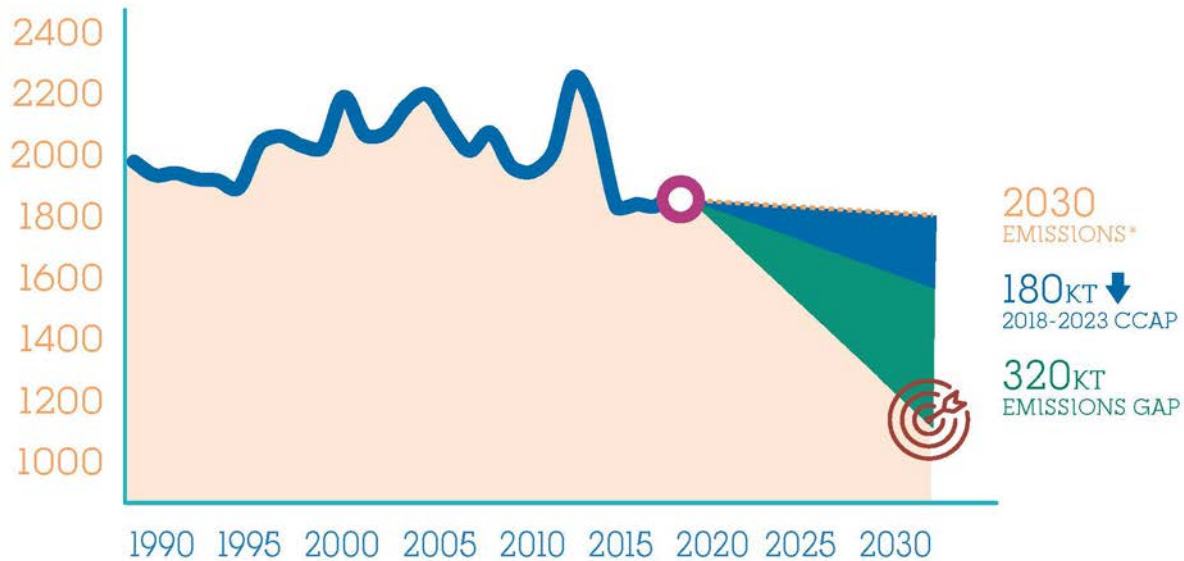


Canada



**9** municipalities

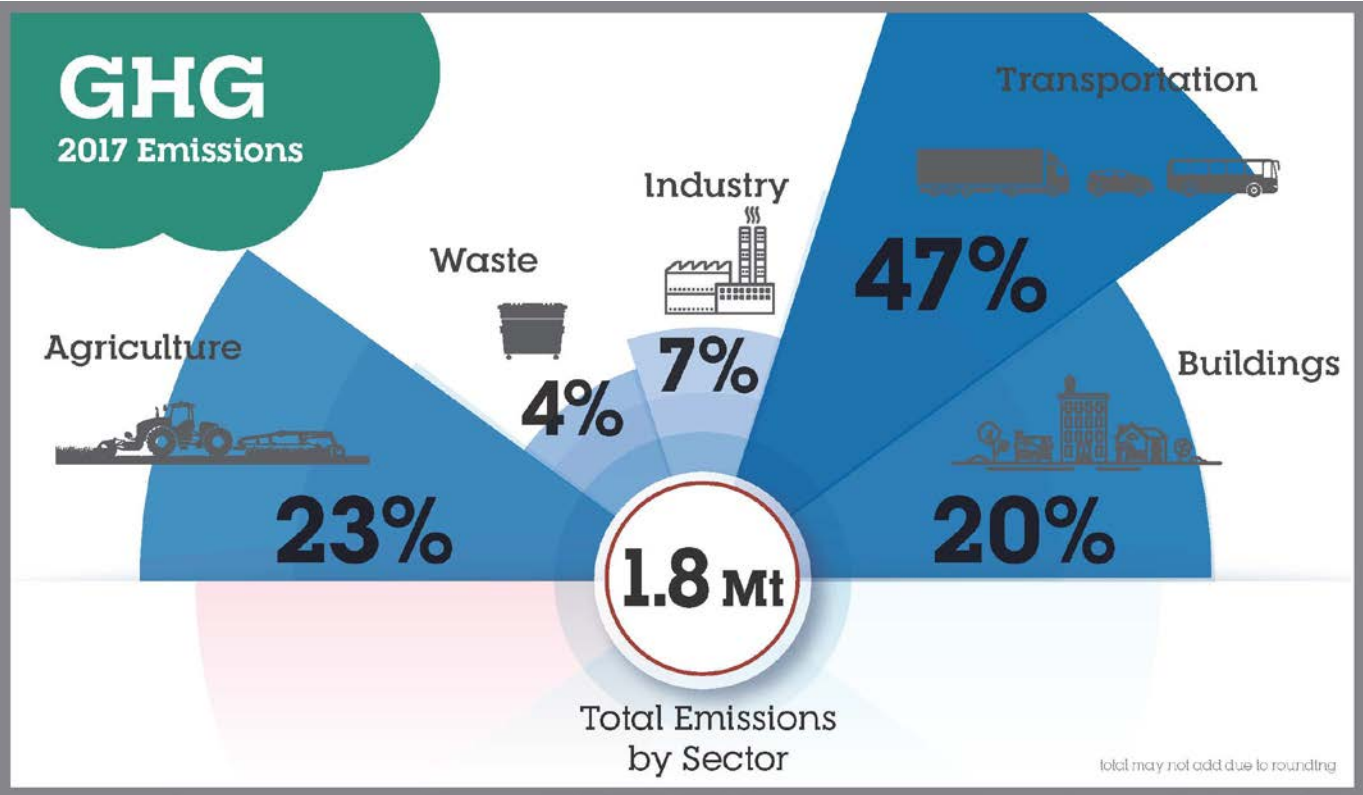
# GHG EMISSIONS KTONNES CO<sub>2</sub>EQ



\*EMISSION PROJECTION FROM ENVIRONMENT AND CLIMATE CHANGE CANADA, REFERENCE18

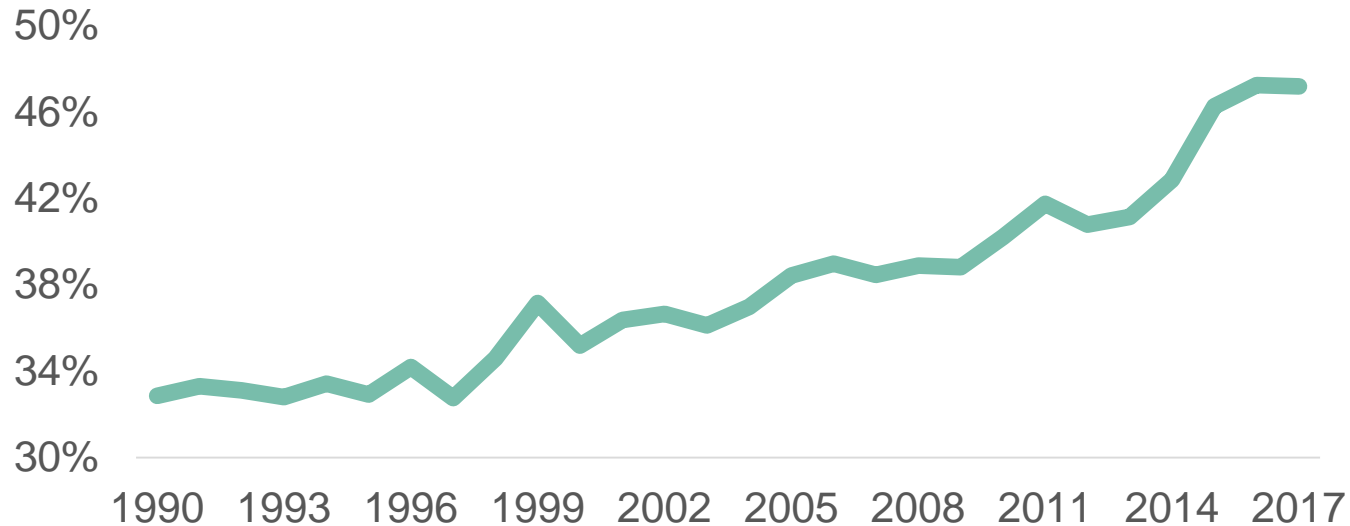
# GHG

2017 Emissions



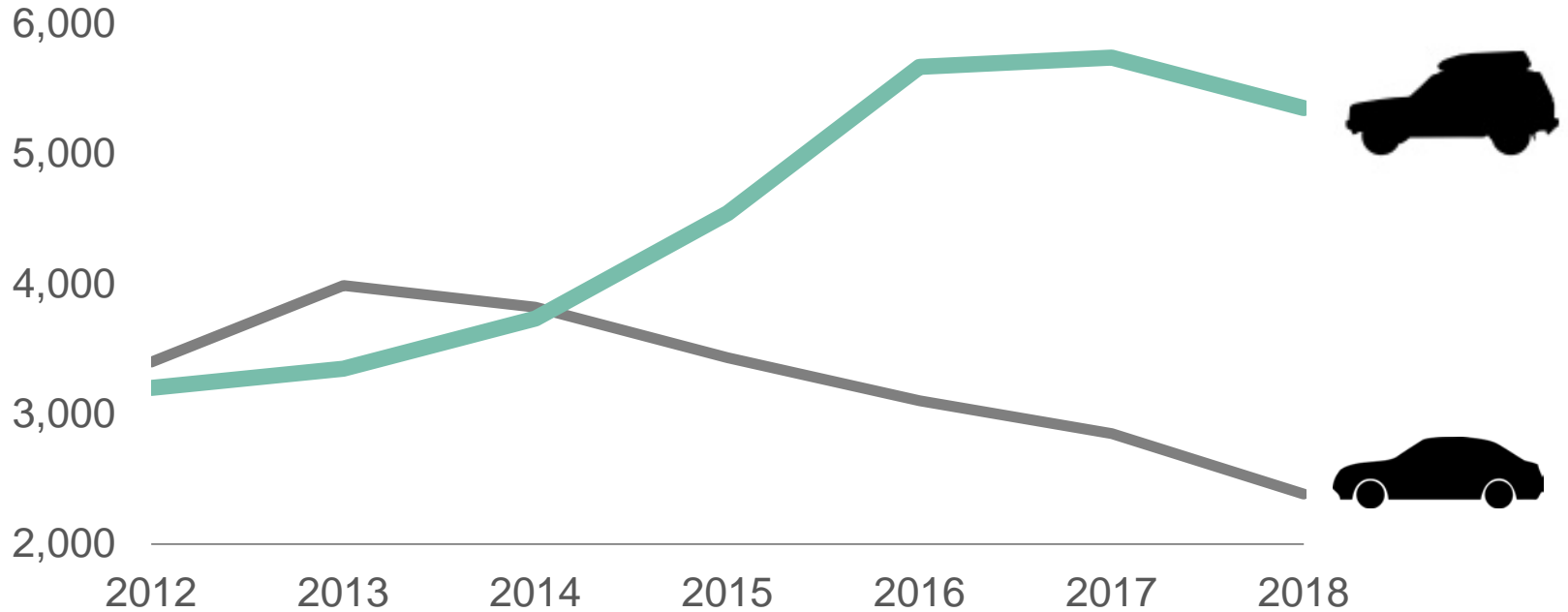


Transportation emissions as a percentage of all emissions are increasing. **Almost 1/2 of our emissions are from the Transport sector.**





# SUV and trucks are outselling cars



# sustainable transportation action plan

- stakeholder meetings and on-line consultation (200+ responses)
- draft Action Plan
- 25 actions, 4 focus areas
  - urban and rural transit
  - vehicles and transportation
  - active transportation
  - community design and infrastructure



# EV charging network

- 6 fast chargers being installed
- 12 type 2 chargers
- an additional project is pending
  - ~80 type 2 chargers (2020)
  - Maritime Electric, Municipalities, Province of PEI



# energy efficiency and fuel switching



- expanded and new programs to design, build and retrofit buildings for energy efficiency
- 8 programs
  - Energy Efficient Equipment
  - Home Insulation
  - Business Energy Rebates
  - Solar
  - Winter Warming
  - Home Comfort
  - New Home Construction\*
  - Energy Efficient Appliance Rebates

**~3,300**  
Applications

Funded by the  
Government  
of Canada

Canada 

# energy efficiency equipment

- Popular heat pump (Mini-split) program



# Home Comfort



All work is free of charge to low-income clients – value of ~\$8000 on average

400 homes

Collaboration with FHS ,TIE





# biomass heating

- 4 units 2019
- More unit being planned



Funded by the  
Government  
of Canada

Canada



# greening government



- GHG Inventory underway
- greening buildings and fleets
  - e.g., biomass heating systems and electric vehicles
  - more options being considered
- mandate letters and climate change coordinators
- modify government decision-making documents to include climate change

# EV vehicles in the government fleet



# carbon pricing



- *Climate Leadership Act* – Carbon Levy
  - 1 cent/L in 2019/20
  - 1 cent/L in 2020/21
  - revenue to be returned to Islanders through incentives (transit, driver's licenses, vehicle registrations)
- Output Based Pricing System (OBPS)

# Commitment #3

## Carbon Sequestration

### 3 Actions



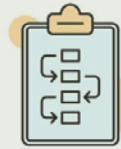
#### GOAL



GOAL

increase  
carbon  
removals

#### PROGRESS



PROGRESS

**1** of 3  
actions in  
progress

#### PARTNERS



Canada

# Carbon Capture Tree Planting Program



- establish new forests on abandoned and marginal farm land
- both public and private land
- 285 ha
- Forest Enhancement Program
- ALUS (incentives)

Funded by the  
Government  
of Canada

Canada 

# Commitment #4

## Education and Outreach

### 6 Actions

#### GOAL



GOAL

build awareness and capacity

#### PROGRESS



PROGRESS

6 of 6 actions in progress

#### PARTNERS



UNIVERSITY of Prince Edward ISLAND



# Public Education

- Take Charge campaign to **increase awareness** and **inspire action**
  - website
  - videos
  - news releases
  - social media
- public presentations and partnerships





# Capacity Building

## *ClimateSense*



- professional development and training program – short courses, diversity of professionals
  - Climate Change 101 & 102
- internship program (new professionals) – 12 interns doing public and private placements



# Commitment #5

## Research and Knowledge

### 5 Actions

#### GOAL



GOAL

improve our knowledge of impacts and solutions

#### PROGRESS



PROGRESS

**4** of 5 actions in progress

#### PARTNERS



Canada



UNIVERSITY of Prince Edward ISLAND

# Farm Best Practices



- consulted with growers, researchers, and other experts on ways to reduce emissions

cover cropping (BMP 1)

nutrient management (BMP 4 & 5)

manure management (BMP 7)

renewable energy (BMP 9)

↑soil organic matter (BMP 2 & 3)

Agro-forestry (BMP 6)

animal management (BMP 8)

- piloted in next phase 2020-2021 growing season



Funded by the  
Government  
of Canada

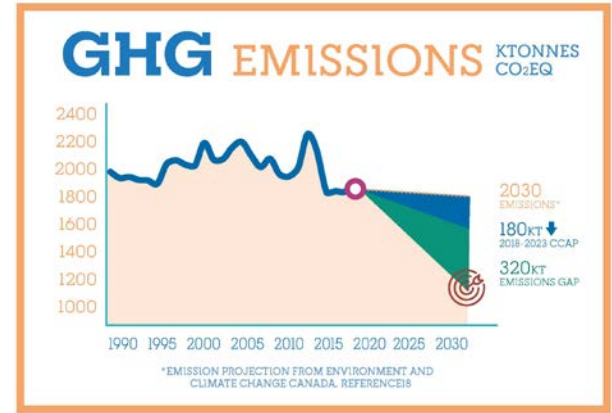
Canada 

# What does an additional 320,000 tonnes mean?

- 70,000 passenger vehicles off the road or EV's by 2030 (82,000 total in 2018)
- 24 million trees planted next year (grow 900,000 trees currently)
- 36,000 homes heated with no or low- carbon energy (60,000 homes currently)

## ALL WHILE

- Growing population 2,000 / yr and growing economy



# LCEF Remaining



- funds projects on energy efficiency, fuel switching, forestry and agriculture
- \$34 allocated to PEI
  - \$27 million in play
  - \$7 million remaining

Funded by the  
Government  
of Canada

Canada 

# Thanks!

## Any questions?

You can find us at [tdupuis@gov.pe.ca](mailto:tdupuis@gov.pe.ca)  
and [eotaylor@gov.pe.ca](mailto:eotaylor@gov.pe.ca)

# use of home heating oil is declining

(30+% reduction from 2003. ~70,000,000+ litres)

## Series 1

