



EAC

April 2018

CLIMATE CHANGE ACTION PLAN



Climate Change Secretariat

WHO

4 staff

Steering committee (12 members)

- Transportation (1)

- Energy (2)

- Planning (1)

- Executive Council (1)

- Finance (2)

- Communications (1)

Working groups

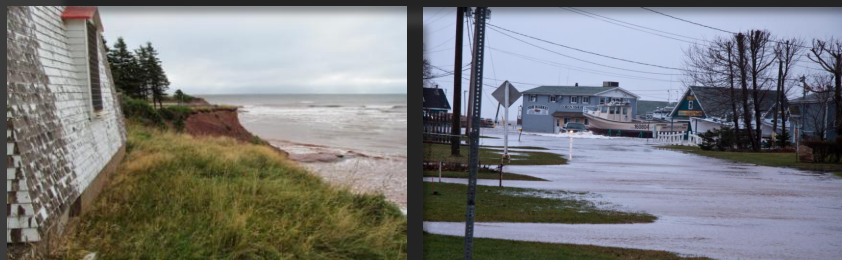
WHAT

Coordinate government-wide
action on Climate Change

Dealing with Climate Change

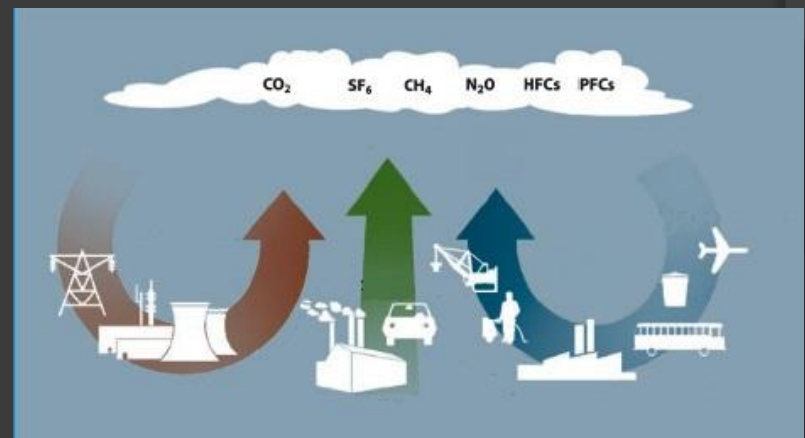
ADAPTATION

Preparing for and dealing with climate change



MITIGATION

Reducing greenhouse gas (GHG) emissions



The more we emit the more we need to adapt

g Climate



Stay



Go

Implications of a changing climate

Weather



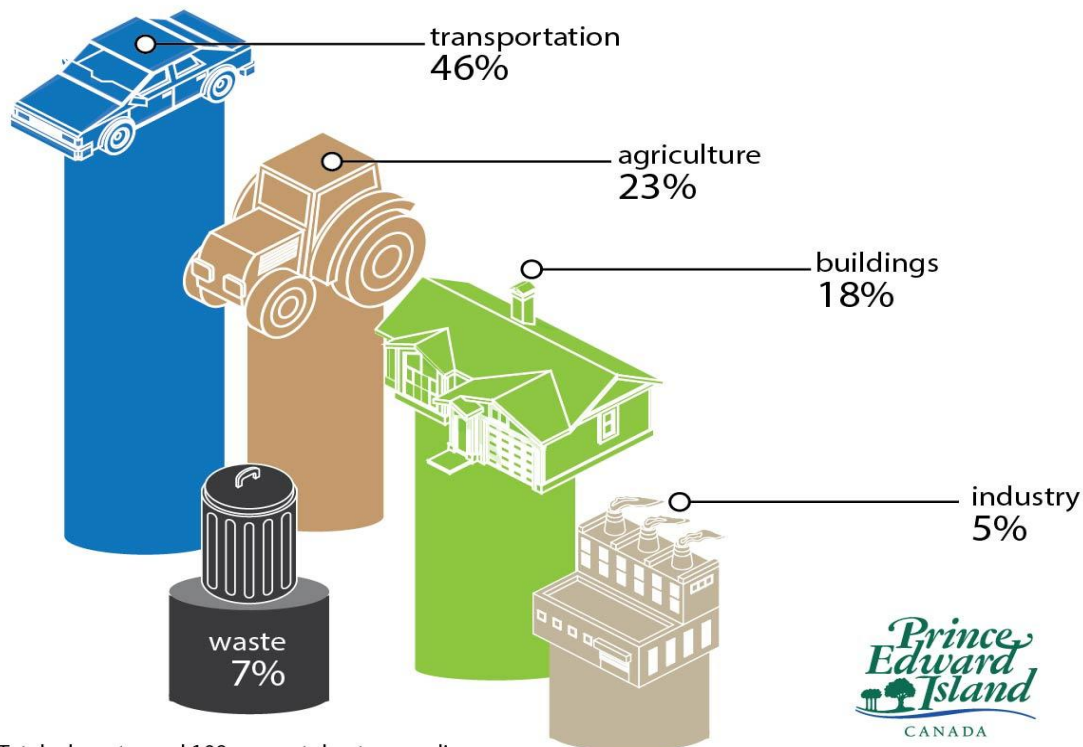
Implications of a changing climate

Sea Level Rise



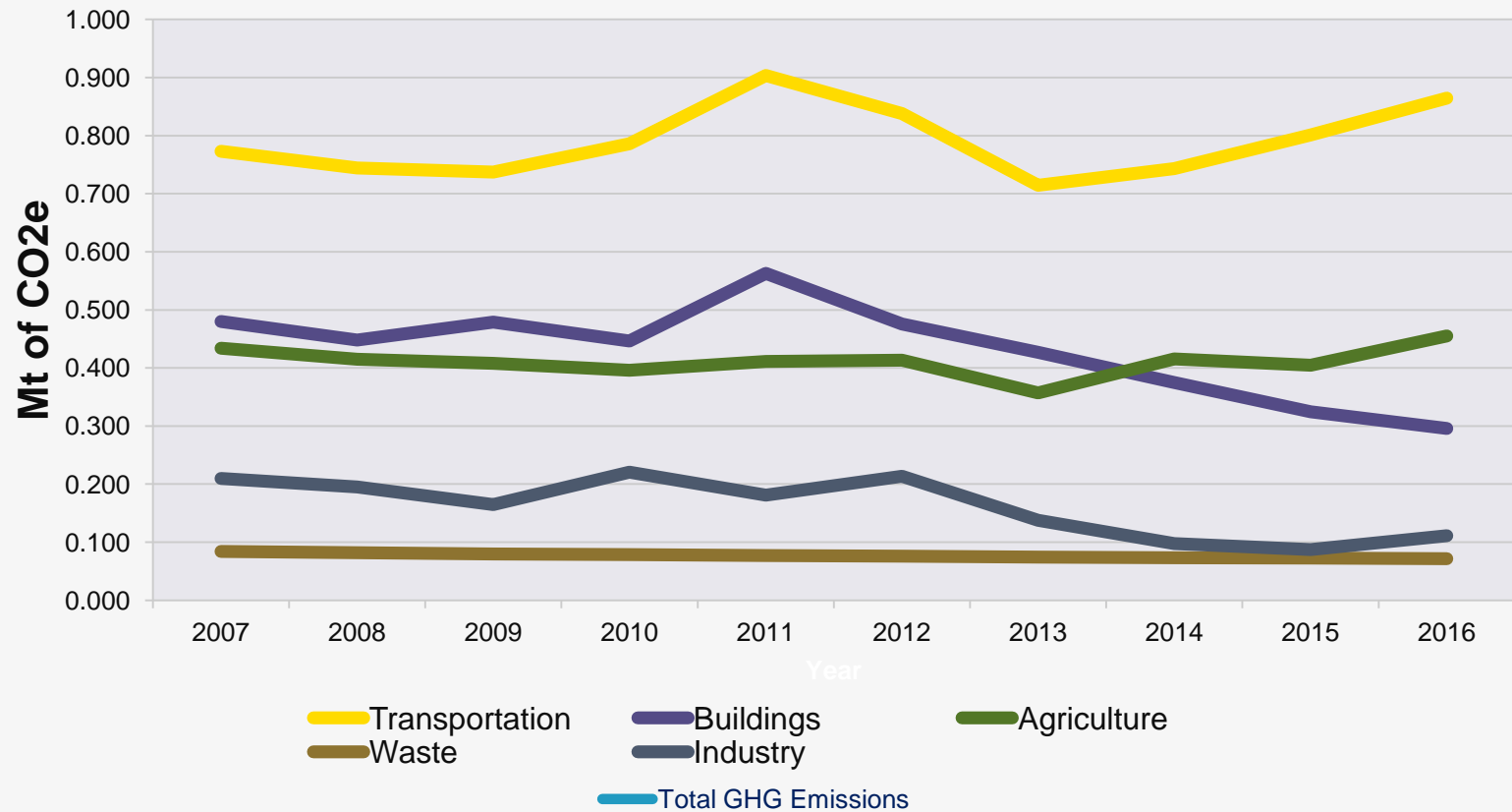
Greenhouse Gas Emissions (2015)

Where do our greenhouse gases come from?



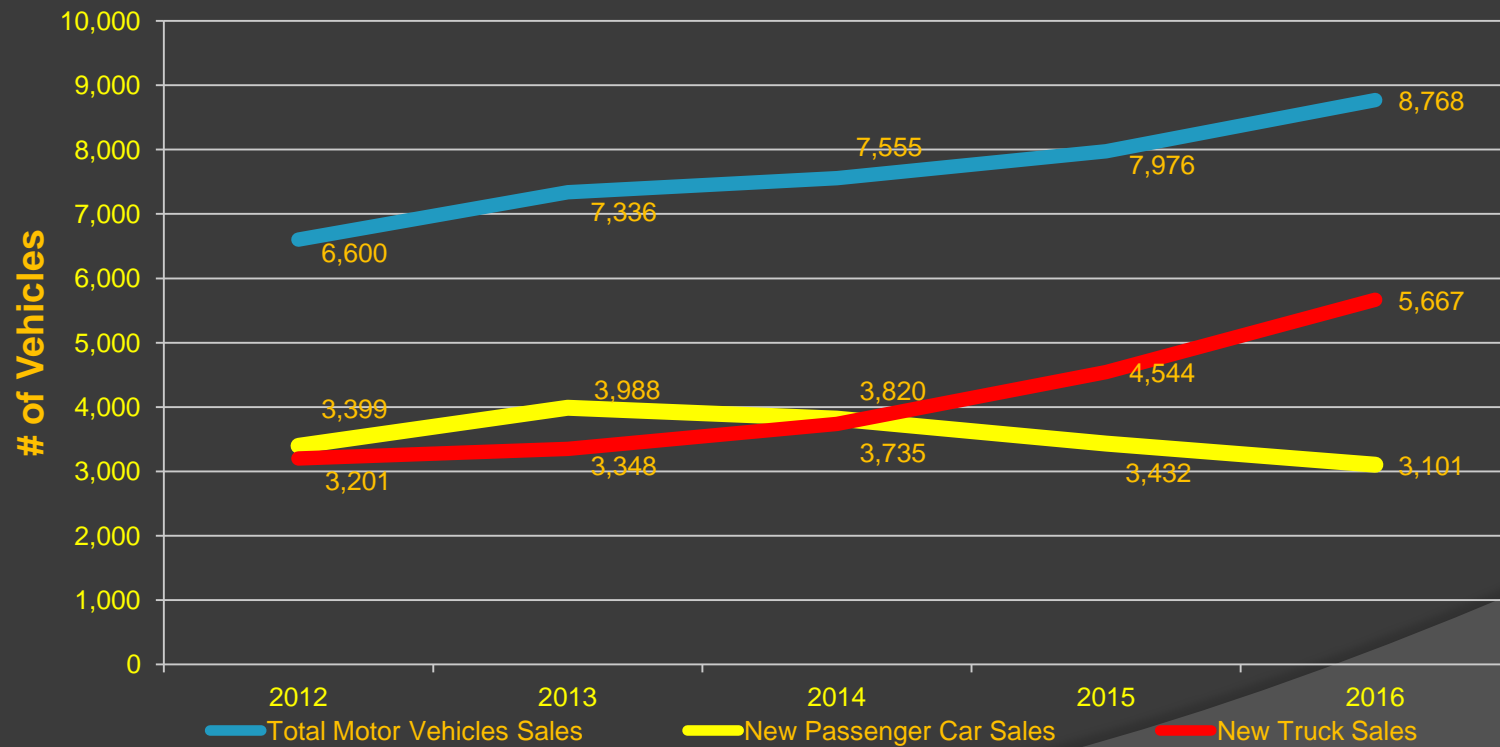
PEI GHG Sector Emissions

PEI GHG Emissions by Sector (2007-2016)



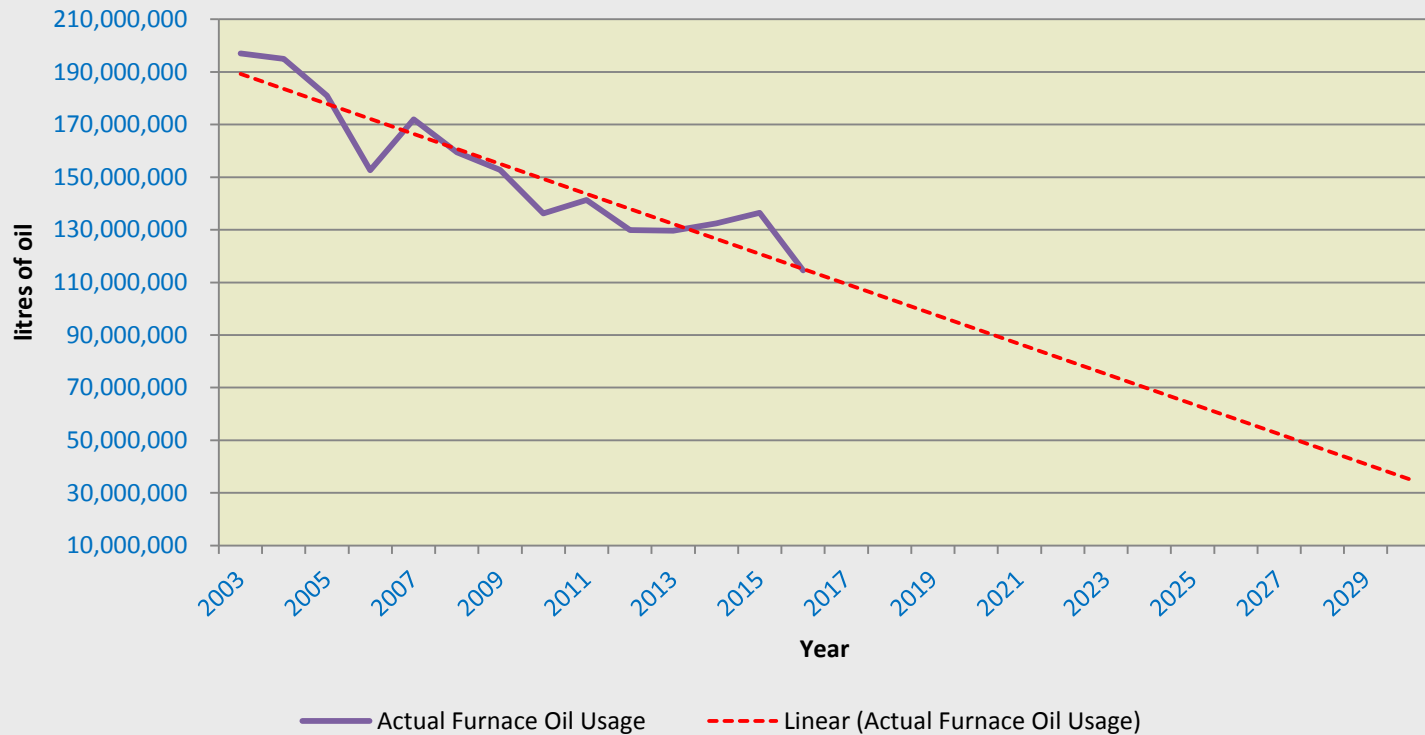
Transportation

PEI New Vehicle Sales
(2012-2016)



Light Fuel- Heating (40% reduction from 2003)

Furnace Oil Usage & Estimation (2003-2030)



PEI will have it's 1st Greenhouse Gas reduction Target (30% below 2005 levels by 2030)



ECCC Reference Case: Includes only federal measures (*HFC, HDV, Methane regulations etc*)

2030 Target

How do we get there?

Public Consultations

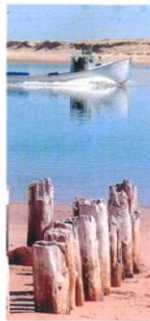
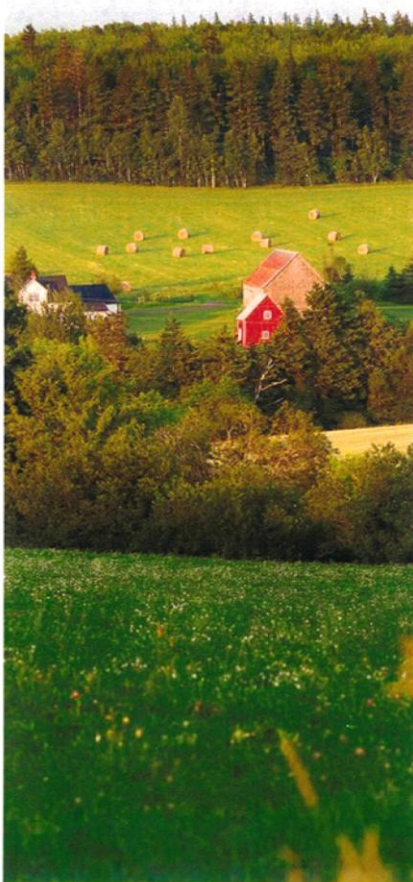
Dunsky/UPEI

2 years of consultation

- website submissions
- interviews and meetings with stakeholders
- public meetings
- 130+ recommendations



Climate Change Action Plan



**A Climate Change Action Plan
for Prince Edward Island**





Climate Change Action Plan

- 1) Reduce PEI's Greenhouse Gas Emissions (Mitigation)
- 2) Prepare for a Changing Climate (Adaptation)

Reducing Greenhouse Gases

Carbon Pricing

- pay to pollute = reduce emissions
- all provinces must implement in 2019 or be subject to federal backstop
- options:
 - carbon tax (BC model)
 - cap and trade (Que/Ont model)
 - hybrid system (Alberta model)



Reducing Greenhouse Gases

Vehicles

Goal: increase adoption of electric vehicles (EV's)

- charging infrastructure
- increase use of EVs in government fleet to 20% by 2030
- pending transportation strategy



Reducing Greenhouse Gases

Buildings

Design and Build More
Efficient Communities



Improve Efficiency of
Existing Buildings



Design and Build More
Efficient Homes and
Buildings



Programs TBA

New Home Construction

Reducing Greenhouse Gases

- **Objective:** Incentivize homeowners to build to ENERGY STAR® (20% better than code) or R2000 standard (50% better than code)
- Building to ENERGY STAR® = \$2000 rebate
- Building to R2000 = \$5000 rebate
- Paid to homeowner after post-audit is complete
 - Homeowner can request builder is paid directly



Home Comfort

- Pre and post energy audit, free to homeowner.
- Implementation of upgrades suggested in the audit
- All work is free of charge to low-income clients – value of \$9000 on average
- Collaboration with Family and Human Services Dept.
- Max of 250 clients.



Energy Efficient Equipment Rebates

- Equipment Upgrade Program and Heat Pump Rebate merged together
- Rebate amounts will increase – TBD
- No energy audit required
- Delivered same as now – independent contractors chosen by client



Agriculture

Reducing Greenhouse Gases

Consultation with the agriculture sector to explore local practices, barriers, and opportunities to reduce GHGs;

- developing a baseline assessment of emissions on different types of farms;
- designing action plans for a subset of farms (20-30);
- tracking and communicating results and lessons learned



Forestry

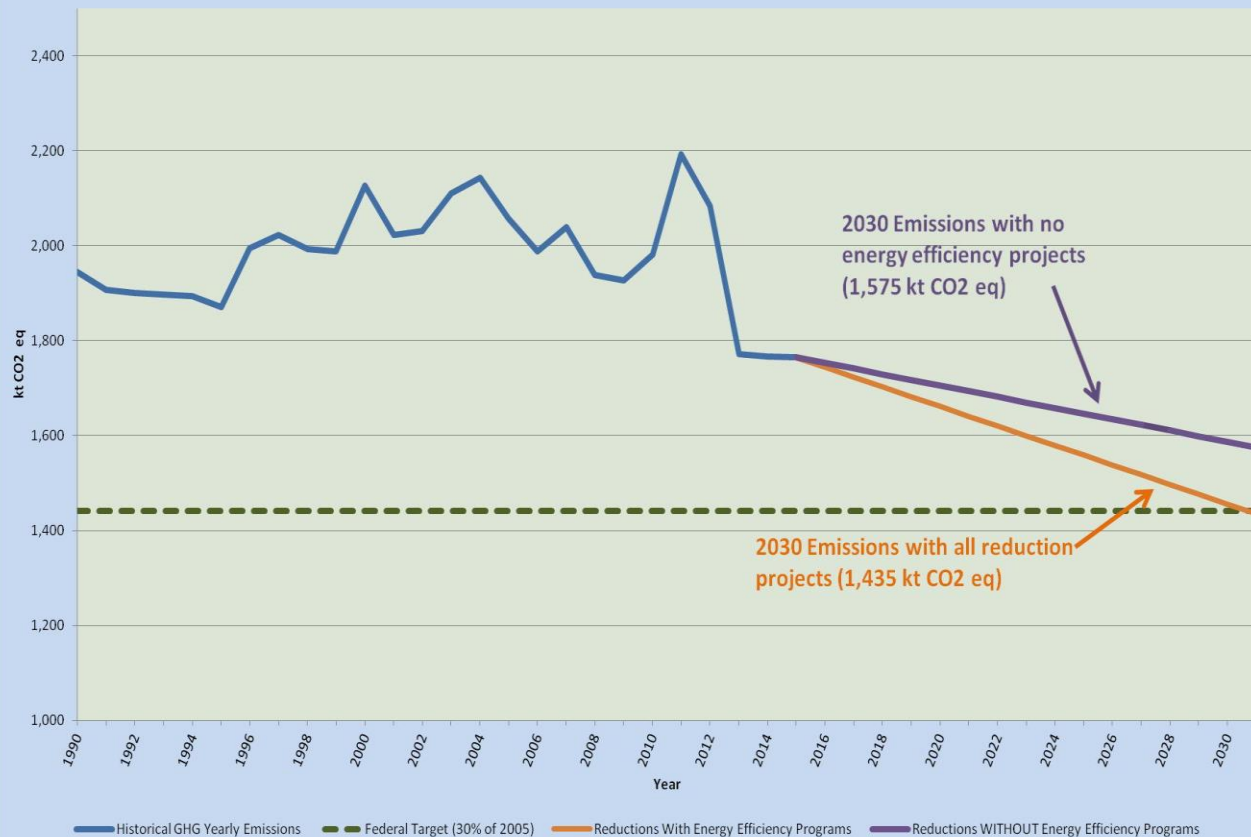
Reducing Greenhouse Gases

PEI will enhance its capacity for carbon sequestration through conversion and afforestation of idle and/or less productive agricultural land.



Through the Alternative Land Use Services 2 (ALUS2) Program and Forest Enhancement Program (FEP), both voluntary programs for PEI landowners, the Province of PEI supports tree planting and sensitive land retirement.

PEI Projected GHG Emissions and Related Reduction Targets



ECCC Reference Case: Includes only federal measures (*HFC, HDV, Methane regulations etc*)



Island Wide Flood Risk Mapping

Preparing for Climate Change

- where are we vulnerable?
- options for assets at risk
- tools for municipalities



Outreach, Education and Information Sharing

Pending efforts to educate public and government on climate change matters



Opportunities?

What we grow



What we do





Questions