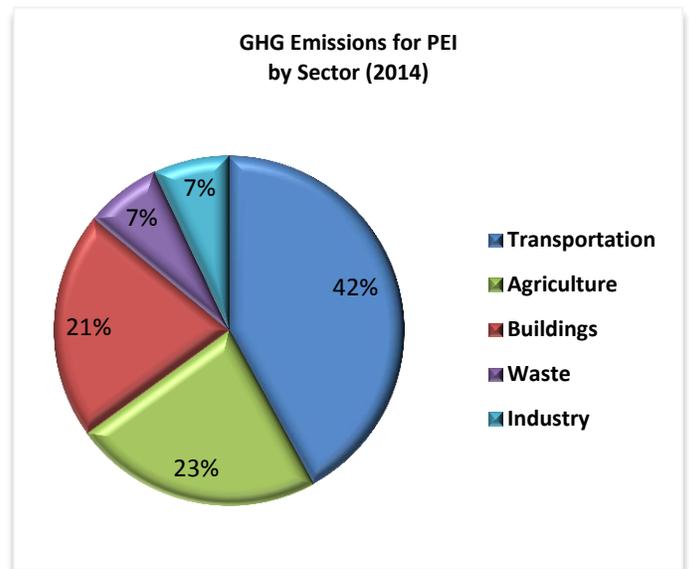
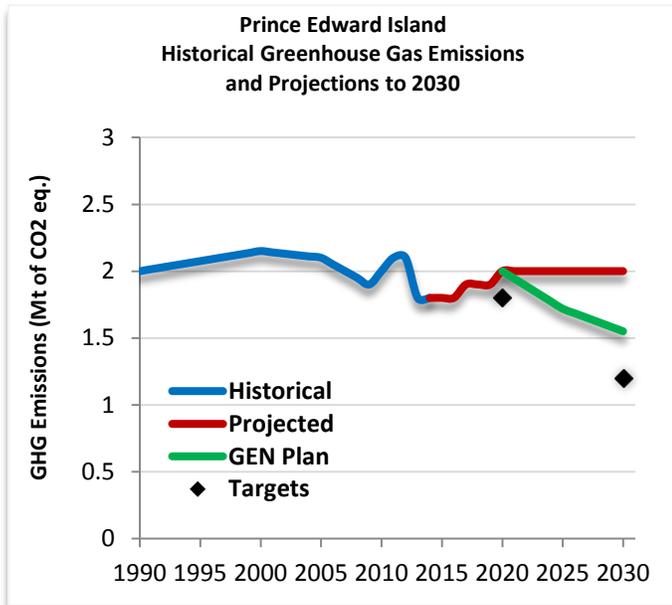


One Million Climate Jobs Challenge for Canada: 9,766 Climate Jobs in Prince Edward Island

The Green Economy Network (GEN) has calculated that Prince Edward Island could create 9,766 person-years of employment over five years through a total public investment of \$720 million in energy efficiency and conservation, renewable energy, and public transit. In addition, targeted public investment in these three priority areas will reduce PEI's annual greenhouse gas (GHG) emissions by up to 0.45 megatonnes (Mt). This action plan will help to transition the province to a lower-carbon economy, create a healthier environment, and strengthen communities, while reducing poverty and inequality.



Summary of Calculations for PEI

	\$Millions Invested Over 5-Year Period	Total Person-Years Created	GHG Emission Reduction (Mt CO ₂ eq)
Renewable Energy	\$354	4,550	0.06 - 0.13
Energy Efficiency (incl. building retrofits)	\$300	4,380	0.16 - 0.24
Public Transit (improvement and expansion)	\$66	836	0.06 - 0.08
5-Year TOTALS	\$720	9,766	0.28 - 0.45

Emissions

- PEI's total GHG emissions were 1.8 Mt in 2014, representing 0.25% of total national annual GHG emissions;
- According to the Government of Prince Edward Island, temperatures are about 0.5 °C warmer than they were 100 years ago;
- Sea level has risen by 30 cm since 1911 and local scenarios suggest a sea level rise of 40 to 50 cm by 2050; and
- PEI has committed to achieving GHG reduction targets of 10% below 1990 levels by 2020; and 35-45% below 1990 levels by 2030.

Unemployment

In 2016, PEI had an annual average of 8,600 unemployed workers and annual average unemployment rate of 10.7%, the second highest annual average unemployment rate of any province and the third highest in the country.

For references and additional information, please see <http://greeneconomy.net.ca/>

Energy Efficiency and Conservation

Targeted public investment of \$300 million in energy efficiency and conservation over a five-year period could generate 4,380 person-years of employment in PEI and reduce annual GHG emissions by up to 0.24 Mt.

- Buildings are directly responsible for 21% of PEI's annual GHG emissions;
- Almost 21% of households in Atlantic Canada are considered to be energy poor based on their within-the-home energy expenditure;
- Most homes in PEI were built in the 1960s and 70s, with nearly 20% of homes built before 1946; and
- Over 82% of the province's housing stock is still in need of energy efficiency retrofits.

Investments in home and building retrofits will save a significant amount of energy, reduce GHG emissions, reduce energy poverty, create opportunities to complete apprenticeships, and generate employment.

One Million Climate Jobs Challenge for Canada: 9,766 Climate Jobs in Prince Edward Island

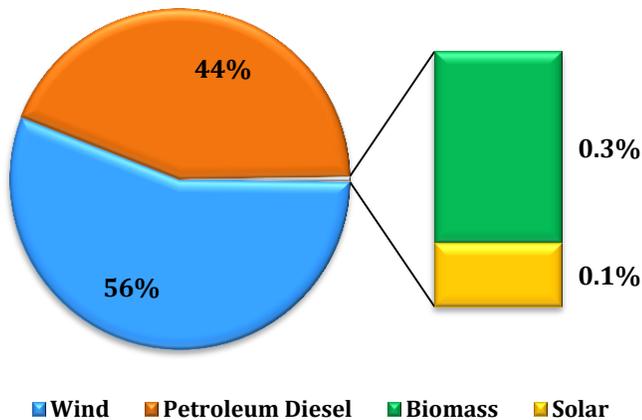
Types of Jobs in Energy Efficiency and Conservation:

- Architect
- Boilermaker
- Carpenter
- Civil Structural Engineer
- Community and Social Services
- Construction Equipment Operator
- Construction Labourer
- Education and Health Services
- Electrical Engineer
- Electrician
- Energy Efficiency Auditor
- HVAC Installer
- HVAC Technician
- Ironworker
- Office and Administrative Support
- Pipefitter
- Plumber
- Roofer
- Service Industry Occupations
- Steelworker
- Weatherization Installer/Technician

Types of Jobs in Renewable Energy:

- Boilermaker
- Community and Social Services
- Construction Worker
- Drilling Equipment Operator
- Education and Health Services
- Electrician
- Engineer
- Excavator
- Heavy Equipment Operator
- Ironworker
- Land Surveyor
- Machinist
- Mechanic
- Office and Administrative Support
- Pipefitter
- Plumber
- Service Industry Occupations
- Scientist
- Sheet Metal Worker
- Steelworker
- Surveyor
- Welder

Prince Edward Island
Installed Capacity Mix (2015)



Renewable Energy

With a total public investment of \$354 million in renewable energy, GEN has calculated that 4,550 person-years of employment could be created in PEI over five years. In addition, this investment will result in an annual GHG emission reduction of up to 0.13 Mt.

- Prince Edward Island is largely dependent on imported power, with 75% of its electricity coming from New Brunswick;
- Of the province's installed capacity, over half comes from wind energy, while the majority of the balance comes from petroleum diesel;
- PEI has significant renewable potential in tidal, wave, and offshore wind energy; and
- There are also opportunities to integrate renewable energy into agriculture, which accounts for 23% of the province's annual emissions. Renewable energy technologies, including wind, solar, biomass, and biogas systems, can provide farmers and rural landowners with additional income, reduce emissions, and create jobs.

The transition to a renewable energy economy must be a Just Transition that respects the rights of Indigenous Peoples, revitalizes communities, and ensures that workers in carbon-intensive industries are protected and able to support their families.

Public Transit

With an investment of \$66 million in public transit, GEN has calculated that 836 person-years of employment would be created in PEI. Targeted public investment in public transit will also reduce Prince Edward Island's annual GHG emissions by up to 0.08 Mt, with the potential for greater emissions reductions over time

- A feasibility study performed by the Prince Edward Island Public Transit Coalition showed that introducing a wider range of transportation options in PEI communities would enhance the quality of life of Islanders, reduce inequality, and create employment.

Targeted investments in public transportation will introduce more comprehensive and accessible services while making fares more affordable for low-income families. Implementing these priorities as part of a public transportation strategy will ensure that underserved communities and individuals – including (but not limited to) women, people of colour, Indigenous Peoples, youth and students, seniors, and persons with disabilities – will benefit from increased access to health services, education, recreation, and employment, including the employment opportunities that are created through the creation and expansion of transit services.

Types of Jobs in Public Transit:

- Automotive Technician
- Bus and Transit Driver
- Civil Engineer
- Community and Social Services
- Construction Equipment Operator
- Construction Labourer
- Education and Health Services
- Electrician
- Industrial Engineer
- Machinist
- Mechanic
- Mechanical Engineer
- Metal Fabricator
- Office and Administrative Support
- Service Industry Occupations
- Transportation Planner
- Urban Planner
- Welder

This plan for PEI lays the foundation for tackling climate change while creating jobs. It also provides a strategy to address poverty and inequality. The proposals outlined in this plan will not only serve displaced workers from polluting industries, but will also create opportunities for workers from industries suffering the impacts of climate change, the unemployed, the working poor, as well as Indigenous Peoples, racialized communities, women, youth, LGBTI individuals, and persons with disabilities. Let's act now to make this plan for Prince Edward Island a reality, get people back to work, and give our children the future that they deserve.