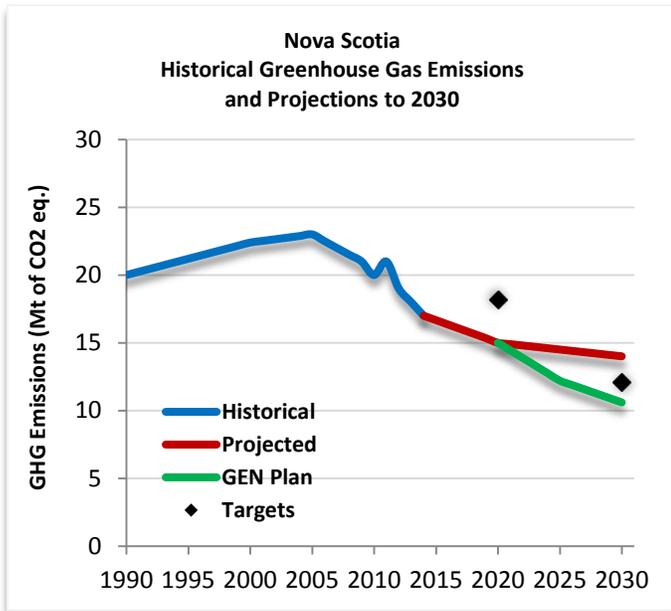


One Million Climate Jobs Challenge for Canada: 30,753 Climate Jobs in Nova Scotia

The Green Economy Network (GEN) has calculated that Nova Scotia could create 30,753 person-years of employment over five years through a total public investment of \$2.28 billion in energy efficiency and conservation, renewable energy, and public transit. In addition, targeted public investment in these three priority areas will reduce Nova Scotia's annual greenhouse gas (GHG) emissions by up to 4.4 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.



Emissions

- Nova Scotia's total GHG emissions were 16.6 Mt in 2014, representing 2.3% of total national annual GHG emissions;
- Nova Scotia has already surpassed its 2020 target to reduce emissions by 10% below 1990 levels;
- The province has committed to achieving a GHG reduction target of 35-45% below 1990 levels by 2030; and
- The province has committed to reducing GHG emissions from human sources by up to 80% below current levels by 2050.

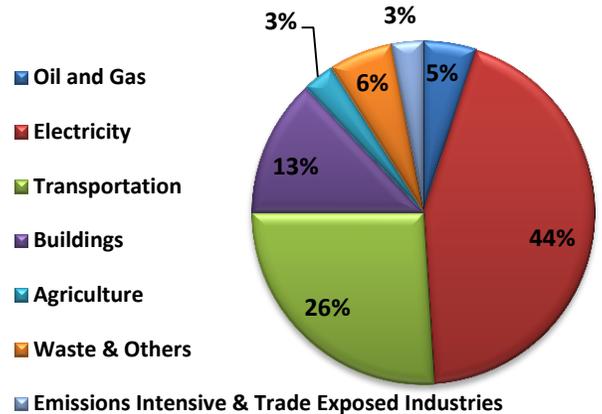
Unemployment

In In 2016, Nova Scotia had an annual average of 40,400 unemployed workers and an annual average unemployment rate of 8.3%, the fourth highest unemployment rate of any province and the fifth highest in Canada.

Youth have the highest unemployment rates among all age groups in Nova Scotia. While the rate of youth unemployment has dropped slightly since 2013, Nova Scotia still has the highest rate of youth unemployment in the country

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

GHG Emissions for Nova Scotia by Canadian Economic Sector (2014)



Summary of Calculations for Nova Scotia

| | \$Billions Invested Over 5-Year Period | Total Person-Years Created | GHG Emission Reduction (Mt CO ₂ eq) |
|--|--|----------------------------|--|
| Renewable Energy | \$0.980 | 12, 595 | 1.5 - 2.6 |
| Energy Efficiency (incl. building retrofits) | \$0.900 | 13, 140 | 1.0 - 1.3 |
| Public Transit (improvement and expansion) | \$0.396 | 5, 018 | 0.3 - 0.5 |
| 5-Year TOTALS | \$2.28 | 30, 753 | 2.8 - 4.4 |

Energy Efficiency and Conservation

Targeted public investment of \$900 million in energy efficiency and conservation over a five-year period, in combination with complementary workforce development policies, could generate 13,140 person-years of employment in Nova Scotia while reducing annual GHG emissions by up to 1.3 Mt.

- Buildings are directly responsible for 13% of Nova Scotia'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;
- Over half of the homes in Nova Scotia were built before 1980; and
- Almost 80% 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: 30,753 Climate Jobs in Nova Scotia

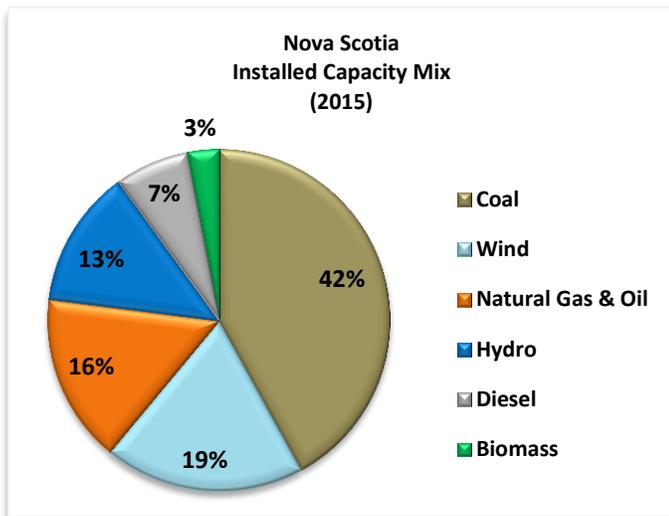
Types of Jobs in Energy Efficiency and Conservation:

- 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

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.

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



Public Transit

With an investment of \$396 million in public transit, GEN has calculated that 5,018 person-years of employment would be created in Nova Scotia. Targeted public investment in public transit will also reduce Nova Scotia's annual GHG emissions by up to 0.5 Mt, with the potential for greater emissions reductions over time

- The transportation sector is the second largest contributor to GHG emissions in the province. In 2014, transportation accounted for over 25% of Nova Scotia's GHG emissions, and almost 60% of these emissions came from passenger transportation.

Renewable Energy

With a total public investment of \$980 million in renewable energy - including investments in modernizing electricity infrastructure, such as smart grids and microgrids, and large-scale and small-scale energy storage systems - GEN has calculated that 12,595 person-years of employment could be created over five years in Nova Scotia. In addition, this investment will result in an annual GHG emission reduction of up to 2.6 Mt.

- Coal accounts for the largest share of the province's energy supply mix, at over 40%;
- Nova Scotia has reached an equivalency agreement with the federal government that allows the province to use coal-fired electrical plants beyond the 2030 federal deadline. Under the agreement, Nova Scotia must reduce emissions from the electricity sector by 25% by 2020, and 55% by 2030;
- Nova Scotia has the 4th highest offshore wind potential in Canada; and
- The province has the highest renewable potential for tidal and wave energy in Canada.

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 Nova Scotia 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 Nova Scotia a reality, get people back to work, and give our children the future that they deserve.