

Why Western Nova Scotia?

Renewable Energy



A full spectrum of renewable energies:

- Solar exposure levels over 1,100 kWh per sq. m
- The Bay of Fundy - highest tidal range in the world (tides up to 27.6 ft)
- Exceptional biomass opportunities with only 0.78% of Nova Scotia's forests harvested annually
- 14 wind energy farms
- A proven distributed energy model at Université Sainte-Anne

Where sustainability meets profitability

An exceptional combination of high quality renewable energy sources with opportunities in solar, tidal, wind energy as well as biomass and district heating

Strategic location with low cost of doing business and an abundance of diverse natural resources

Prime market access - connecting North East US, Eastern Canada and Europe

Ideally located to exploit CETA

The region is part of Canada's Ocean Supercluster to promote the knowledge-based ocean economy



Opportunities

Solar: Nova Scotia's sunniest region with 1,100 kWh per sq. m of photovoltaic potential equivalent to Southern Ontario, solar energy producer of Canada

Marine: opportunities in small tidal projects
Support for sector with Developmental Tidal Feed-in Tariff program

Anaerobic Digestion: Regional industries provide waste raw material from seafood processing and mink farming

Biomass: \$2.1 billion provincial forestry industry. Only 0.78% of Nova Scotia's forests harvested annually and opportunities for value added products through renewable energy generation in biomass and distributed

Distributed Energy Opportunity:

Several institutional and residential clusters ideal for application of district heating models
A proven distributed energy model at Université Sainte-Anne



Get in touch

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Talent

- More than 70% of the region's residents possess a certificate, diploma or degree
- Industry-ready graduates. Diploma in Energy Sustainability Engineering Technology at NSCC; Degree in Environmental and Sustainability Studies (BA, BCD) at Acadia University
- Specialist geographical, environmental, energy and biological sciences programs available at regional institutions
- Nova Scotia has over 450 PhDs in ocean-related disciplines
- Bilingual workforce (English/French)
- Extensive labour market programming

Highly Developed Innovation Ecosystem

- Acadia University's Fundy Energy Research Network
- The Fundy Ocean Research Center for Energy
- Laboratory for Innovation in Science and Industry at Université Sainte-Anne provides research facilities
- Acadia Institute for Data Analytics and The Centre of Geographic Sciences (COGS)

Unmatched Market Access

- A million in the province and 135 million in North Eastern U.S. within a day's drive. New York and Boston within 1-3 hour flights, Portland, ME, 4 hours by Ferry

Competitive Advantage

- Outstanding energy generation potential across the spectrum of renewable energies
- Available and affordable land ranging from approximately \$5,000 to \$7,500 USD per acre
- Part of Canada's Ocean Supercluster to promote the knowledge-based ocean economy
- Green province – renewable electricity plan of 40% renewable energy by 2020
- Ranked # 1 compared to closest competitors in terms of labour availability with 11.1%

Source: fDi Intelligence from the Financial Times