

COLLABORATION
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SOLUTIONS

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NORTHWEST
TERRITORIES
YUKON
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NOVA SCOTIA AND CLIMATE CHANGE

Objectives/priorities

- Contribute to the international effort to reduce GHG emissions by adopting ambitious targets:
 - » Reduce GHGs to 10% below 1990 levels by 2020, one of 25 environmental goals in the *Environmental Goals and Sustainable Prosperity Act*.
 - » Increase renewable electricity to 40% by 2020.
 - Nova Scotia is currently on track to meet the 2020 GHG and renewables targets.
- Increase Nova Scotia's resilience and preparedness for the impacts of climate change.

Highlights/measures/actions

- **Absolute caps on GHG emissions from the electricity sector:** The electricity sector is 40% of Nova Scotia's total GHG emissions. Power plants are 5 of Nova Scotia's 11 Large Final Emitters (< 50,000 tonnes/yr) and emit over 84% of the GHG from Large Final Emitters.
 - » Nova Scotia's GHG caps decline over time and will require emission reductions from ~10 Mt in 2007 to 7.5 Mt in 2020 (↓25%) and 4.5 Mt in 2030 (↓55%).
 - » Nova Scotia Power must meet the caps in whatever way is most cost-effective for ratepayers.
- **Transition away from coal towards more renewables and energy efficiency:**
 - » Nova Scotia Power must meet the target for 40% renewable electricity by 2020. In 2001, only 8% of electricity in NS was from renewable sources.
 - » The Maritime Link project will provide access to renewable hydroelectric energy from Newfoundland & Labrador.
 - » NS Power must purchase energy efficiency resources when they will result in lower costs for ratepayers.
- **Preparing for the impacts of climate change:**
 - » Municipalities in Nova Scotia completed their Municipal Climate Change Action Plans in 2013.
 - » NS coordinates action with NB, NL, and PE through the Atlantic Climate Adaptation Solutions Association (ACASA).
 - » NS is mobilizing departmental preparedness to address the impacts of climate change across government.

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Opportunities for sustainable economic development

- Integration of environmental and economic aims:
 - » *Environmental Goals and Sustainable Prosperity Act.*
 - » Greener Economy Strategy to be released in 2015.
- Development of promising low-carbon industries:
 - » For example, Nova Scotia supports innovation in tidal energy, such as the Fundy Ocean Research Center for Energy (FORCE) and establishing feed-in tariff programs.
- Creation of green and sustainable jobs:
 - » For example, Nova Scotia's energy efficiency industry directly provides 1,200 jobs in NS.
- Reduced energy costs for households and businesses.