

We propose a three-part climate action plan covering electricity, provincial investments and government policy, which would be funded by a federal contribution and carbon pricing revenue.

1. Electricity: Approximately 3.3 million tonnes

1. **Accelerate energy efficiency and conservation programs** under NB Power's *Reduce and Shift Demand* program to advance the 609 MW by 2038 target to between 2020 and 2025.¹
2. **Retrofit buildings** that depend on oil and gas for heating/cooling.
3. **Phase out coal** and the use of fossil-fuel-fired electricity for exports by 2030.
4. **Accelerate Smart Grid** implementation.
5. Set a **solar rooftop target of 200,000 kilowatts (kW)** of cumulative installed commercial and residential solar power by 2025 (100,000 kW each for residential and commercial, grid connected and off-grid).
6. Set a **goal of 10,000 electric vehicles on the road by 2020**, with the number of electric car sales increasing each year, so that by 2030 there would be 140,000 to 150,000 electric vehicles on the road.

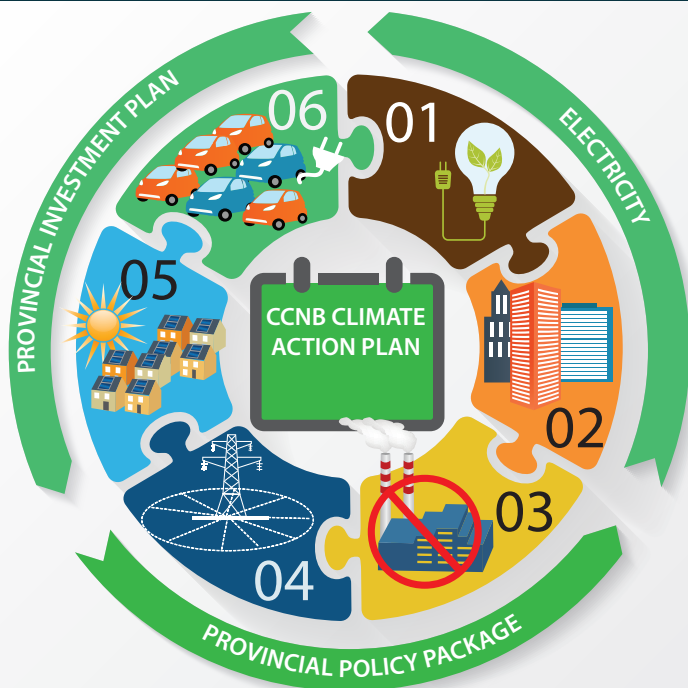
2. Provincial Investment Plan: Approximately 3.2 million tonnes









Province-wide investments using carbon pricing revenue could be in the form of tax incentives, grants, and/or loan guarantees to generate emissions reductions from transportation, industry, waste, agriculture, and forestry. Investments could include:

1. An average **40% emissions improvement target** from the industrial sector by 2030 to generate reductions of **1.7 million tonnes of greenhouse gases**.
2. **Incentives to purchase energy-efficient vehicles** to keep their operating costs low once the carbon pricing regime takes effect. Heavy trucks and transit vehicles should be a priority for programs aimed at more electric options, as well as biofuels. The goal here should be to generate an additional **1 million tonnes of reductions by 2030**.
3. **Methane capture in landfills and wastewater treatment plants**, composting programs to reduce future methane emissions from landfills, and improved recycling programs to reduce the use of virgin materials in manufacturing.
4. **Farm management plans that include methane and fertilizer management** (to reduce nitrous oxide emissions), as well as soil conservation through organic and mixed crop practices, and riparian zone protection. Increased support to farmers to support **renewable energy use on farms**.
5. Use of **biofuels in forest operations**, including heavy equipment and vehicles. **Improved harvesting practices** to better protect soil combined with increased silviculture, including of hardwoods, to diversify our forests and increase carbon capture capacity through photosynthesis. A combination of reducing emissions and increasing soil and forest sequestration, as well as actions in the waste and agriculture sectors could generate a further **500,000 tonne contribution to our provincial greenhouse gas target for 2030**.

A Climate Action Plan for New Brunswick: Electricity



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|  Accelerate energy efficiency and conservation programs |  Accelerate Smart Grid implementation |
|  Retrofit buildings that depend on oil and gas |  Set a solar rooftop target of 200,000 kilowatts (kW) |
|  Phase out coal and the use of fossil-fuel-fired electricity |  10,000 electric vehicles on the road by 2020 |

¹ <https://www.nbpower.com/media/102794/irpJuly2014-english.pdf>, p.128



NEW BRUNSWICK

Provincial greenhouse gas emissions reduction target

35-45%

below 1990 levels by 2030

3. Provincial Policy Package



1 Make climate action legally required through passage of a *Climate Action Act* that establishes the provincial greenhouse gas emissions reduction target of 35 to 45% below 1990 levels by 2030, puts in place the mechanisms needed to implement the climate action plan, including carbon pricing, industry targets, and coal phase-out from electricity production.



2 Establish an economy-wide carbon pricing regime (either through a carbon levy or cap and trade and/or hybrid).



3 Reform the Energy Utilities Board to remove barriers to reducing electricity demand through mechanisms that decouple NB Power revenue from throughput or volume sales through performance-based rate-making that includes energy efficiency and conservation performance metrics.



4 Require lifecycle assessment of all infrastructure projects, including the impacts of climate change and more extreme weather and the implications for greenhouse gas emissions and biodiversity compared to other options to find the best available solution.



5 Add low-carbon requirements to all government procurement.



6 Adopt the Energy Code for Buildings in the year it is released nationally and invest in training of inspectors to ensure adequate enforcement.



7 Invest in formal and informal education and training that demonstrates to New Brunswickers the causes of climate change, the opportunities for all citizens to participate in solutions and that supports retraining and training of workers, particularly in the trades, including general contracting, electrical engineering, renewable energy technicians, software engineers (for Smart Grid and other electricity-related innovations).



A provincial policy package **must be implemented** for our **Climate Action Plan** to be successful. We have an opportunity to work with other provinces and the federal Government to really move Canada forward toward a climate friendly economy and lifestyle.

Let's make sure that New Brunswick is part of it.



Conservation Council of New Brunswick
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