

# Powering New Brunswick's Future with Small Modular Reactors

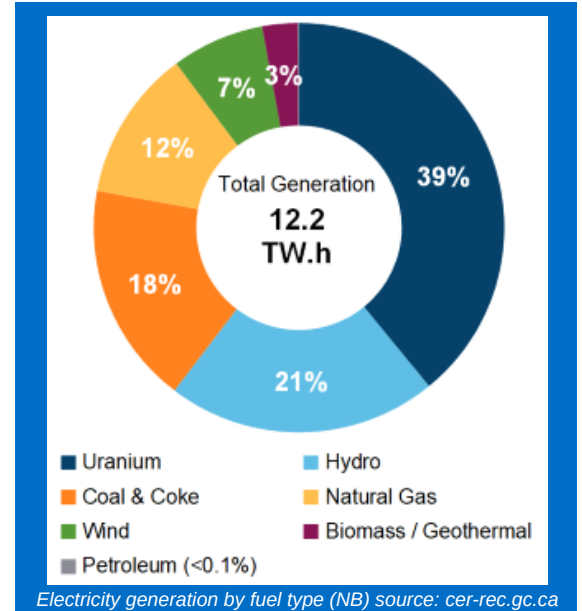


Canada is on a mission to lower its greenhouse gas (GHG) emissions 45% below 2005 levels by the year 2030. New Brunswick has proudly lowered its emissions more than any other province. Now, New Brunswick is leading the charge towards a clean energy future with the newest generation of nuclear: Small Modular Reactors (SMRs).

## Clean Energy in New Brunswick

Nuclear energy has been a reliable part of New Brunswick's electricity grid for nearly four decades. Today, nearly 40% of the electricity used to power the province's homes, schools, hospitals and businesses comes from nuclear. It is also a clean energy source, meaning that just like wind and solar power, nuclear does not produce GHG emissions when making electricity.

This is why New Brunswickers are proudly securing a clean energy future with the development of advanced SMRs. These smaller, more affordable reactors take our existing technology from great, to even greater, by providing the flexibility needed for a 100% clean, reliable and efficient electricity grid in New Brunswick.



## Community Benefits of SMRs in New Brunswick – 2020-2035



**11,000 jobs**  
(approx. 730 jobs  
per year over 15 years)



**\$120 million in**  
provincial government revenue  
(money paid to the NB government)



**\$1 billion in**  
gross domestic product  
(money flowing through the province)

### Learn More

To learn more about the development of SMRs in New Brunswick, please visit <https://smrnb.ca>

## Small Modular Reactors (SMRs)

Next-generation SMR technology has a simple, modular design for efficient construction at a reasonable cost. Once built, these reactors can be similar in size to a gymnasium yet produce up to 300 megawatts of electricity. To produce that same amount of electricity from windmills would require twice as much space as the city of Dieppe! Meanwhile, a single SMR could provide enough electricity for the entire province of Prince Edward Island.

In addition to the relatively small land use and low construction costs, the simple design enables local New Brunswick companies to supply components and services, while filling operations and maintenance jobs. The SMRs being developed in New Brunswick can even deal with waste, reducing the amount of used fuel requiring long-term storage, while generating clean electricity.