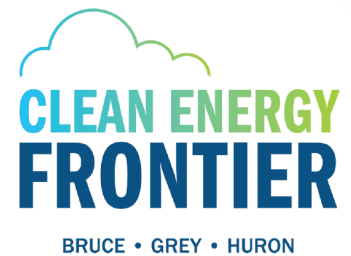


How do we talk about clean energy?

Key messages and speaking notes
for municipal leaders and staff 2022



Key messages

- Since 2016, over 60 clean energy suppliers have expanded into the region of Bruce, Grey and Huron counties to support Bruce Power and other clean energy initiatives.
- Clean energy is a significant economic driver in the three counties, along with agriculture and tourism.
- As a non-emitting source of electricity, nuclear power was essential in enabling Ontario's phasing out of coal-powered generation and can continue to be a driving force in greening our economy.

Proof points

- The Clean Energy Frontier region of Bruce, Grey and Huron saw a population increase of 6.5% during the last census period (2016-2021).
- The clean energy sector in the Clean Energy Frontier region of Bruce, Grey and Huron contributed more than \$4 billion to the provincial GDP in 2020.
This sector's contribution is above other major industries in Ontario, including aerospace products and parts manufacturing (\$3.6 bil), pulp and paper milling (\$2.8 bil), and provincial sawmills (\$1.5 bil) — all 2020 figures, in Canadian dollars.
- The clean energy sector in Bruce, Grey and Huron gathers over \$473 million in provincial tax revenue, and over \$233 million in municipal tax revenue (2020).
Most of the municipal tax collected stays in the Bruce, Grey and Huron region, enhancing the quality of life for residents of rural Ontario.
- Bruce, Grey and Huron region see significant economic opportunity from the clean energy sector, including household spending over \$1.43 billion (2020).
Entrepreneurs are supported indirectly through the clean energy sector, with household spending to include:
 - Over \$71 mil in local retail/clothing and accessories.
 - Over \$56 mil in local restaurants.
 - Over \$16 mil in local pet stores/household pet suppliers.

The Net Zero Challenge:

- The Government of Canada has committed to achieving **Net Zero carbon emissions by 2050** – resulting in much higher electricity demand due to electrification replacing fossil fuels.
- **Demand from electrification** — electric vehicles and electrifying heavy industry will increase the demand for electricity with all new passenger car sales to be zero-emissions models by 2035.
- **Emerging supply gaps** — The province will be facing a gap in energy supply as demand increases due to electrification and Pickering Nuclear Generating Station is retired in 2025.
- **Bruce Power's Project 2030 will increase power output to 7,000 MW by 2030**, helping to bridge the gap through further decarbonization.

Bruce Power and production of medical isotopes

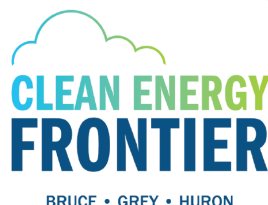
- Canada is a leader in the production and global supply of isotopes that play a major role in diagnosing and treating many forms of cancer
- SON and Bruce Power have developed a partnership to produce medical isotopes to treat cancer. This project will implement new infrastructure to establish an isotope production capability at Bruce Power.
- Bruce Power's medical isotope production system are used to produce two medical isotopes:
 - Cobalt 60 — used to sterilize 40% of the world's medical devices.
 - Lu 177 — neuroendocrine tumours and prostate cancers.

Bruce Power and the Major Component Replacement (MCR)

- Bruce Power is proud to be able to provide Ontario families and businesses with 30% of their electricity. By renewing our fleet, we will continue to provide clean, reliable energy to the province for the next 40 years.
- The nuclear industry supports 76,000 direct and indirect jobs across Canada. Bruce Power ongoing operations support 22,000 direct and indirect jobs annually.
- 90% of Bruce Power's MCR project spend is in Ontario.
- 98% of the MCR project spend is in Canada on this project making it truly a Canadian led infrastructure project.
- Nearly 500 supply chain companies across Ontario and Canada are supported through this initiative.
- The estimated Life-Extension impact on GDP to be between \$4-7 billion for Ontario and between \$5-\$7.8 billion.



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