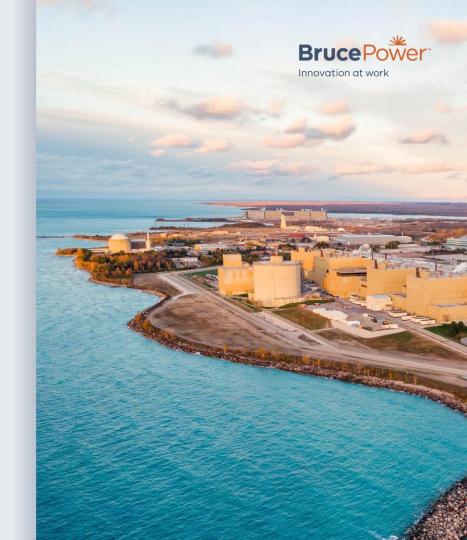
Bruce Power Update

Grey County Council

March 28, 2024



Our Five Guiding Principles

The company's approach to supporting the role of the Bruce Power site in *Powering Ontario's Growth* plan will be based on the following five guiding principles:

- Extend the operation of the eight Bruce Power operating units to continue producing clean energy and cancerfighting isotopes through 2064 and beyond.
- Through Life-Extension Program and Project 2030 investments, increase net peak output of the existing units to 7,000 MW for the 2030s – equivalent to adding a large-scale reactor with current infrastructure.
- 3. Pursue an Impact Assessment (IA) as a planning tool to evaluate the potential for an additional 4,800 MW at the Bruce Power site and commit to open and transparent engagement with Indigenous communities, the tri-county region and the public prior to any decision-making.
- Undertake a robust technology review process to provide sound guidance for potential future decisions and milestones.
- Position economic development/ partnerships, localization, supply chain and workforce development as key priorities in development, especially in rural communities.

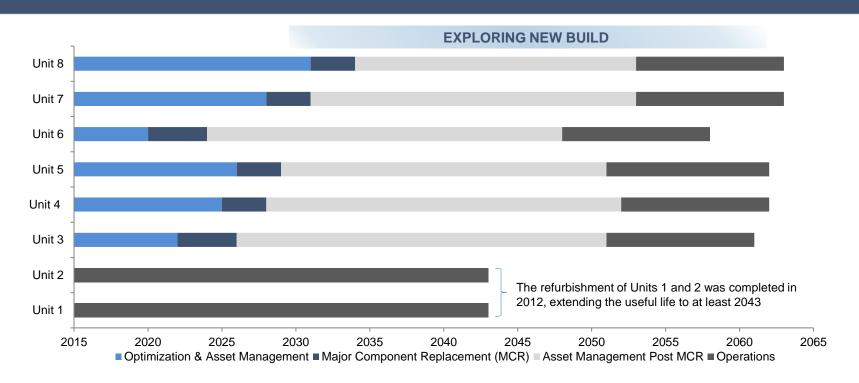








Life-Extension Program & Potential Nuclear Expansion





More Power Output - Project 2030



2016

6,300 MW

2018

6,430 MW SITE NET PEAK (Project 2030 start) 2022

6,550 MW SITE NET PEAK Early 2030s

7,000 MW+
TARGET SITE NET PEAK



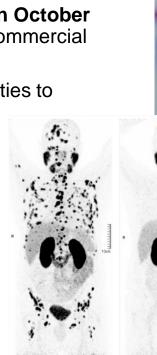
Cancer-Fighting Medical Isotopes

 Leading the way in nuclear medicine – producing cobalt-60 and luteitum-177 through made-in-Ontario partnerships

 Commercial production of lutetium-177 began in October 2022 – first company to produce this isotope in a commercial reactor; expanding to meet growing demand

 Future isotope production – evaluating opportunities to expand isotope production

 Collaboration with Saugeen Ojibway Nation – collaborate to market new isotopes and create economic opportunities







Bruce C Project

- Bruce C Impact Assessment (IA) to evaluate impacts of adding up to 4,800 MW of new nuclear capacity on the existing site.
- No decision has been made to advance a new build. IA process used as a planning tool – focus on dialogue and engagement.
- IA will be technology neutral considers multiple technologies and forms bounding case for reactor parameters.







Check out the
2023 Annual Review
and Energy Report at
brucepower.com

BrucePower