



Date: 2023-08-04

File / dossier : 6.02.04

Edocs pdf : 7101168

## **Oral presentation**

## **Exposé oral**

**Written submission from the  
Organization of Canadian  
Nuclear Industries**

**Mémoire de  
l'Organization of Canadian  
Nuclear Industries**

### **Bruce Power**

---

### **Bruce Power**

---

**Bruce Power Mid-Term Update of  
Licensed Activities**

**Rapport de mi-parcours au sujet  
des activités autorisées de Bruce  
Power**

Commission Meeting

Réunion de la Commission

**September 20 and 21, 2023**

**Le 20 et 21 septembre 2023**

Canadian Nuclear Safety Commission  
280 Slater Street, P.O. Box 1046, Station B  
Ottawa, ON K1P 5S9.

August 3, 2023

Dear Secretary of the Commission,

**RE: Aug. 3 2023\_OCNI Intervention\_Bruce Power Mid Term Review**

On behalf of the members of the Organization of Canadian Nuclear Industry (OCNI), I am writing to provide you with OCNI's overview of Bruce Power operations as part of the mid-term license review of the Bruce Power site.

Formerly known as the Organization of CANDU Industries, the Organization of Canadian Nuclear Industries (OCNI) was incorporated in 1979 by several privately-owned Canadian manufacturers and engineering consultants. Its purpose was to promote companies in the Canadian private sector engaged in the supply of goods and services for CANDU and LWR nuclear power plants in domestic and export markets. In doing so, it provided a focal point for industrial collaboration on matters that are of vital importance to its members.

OCNI is an association of more than 200 leading suppliers of the nuclear industry in Canada and the international marketplace. OCNI member companies employ more than 15,000 highly skilled and specialized people in Canada who manufacture major equipment, medical and safe applications of nuclear technology, and provide engineering support services with CANDU and SMR technology for nuclear power plants domestically and internationally. OCNI is the leading voice of the Canadian nuclear supply chain and actively promotes the production of safe, clean, and reliable nuclear base load electricity as a central part of Canada's balanced electricity generation portfolio. OCNI also encourages and supports its member companies in taking their unique capabilities and high standards of quality and customer value to offshore nuclear markets through partnerships with local suppliers, power plant designers, nuclear utilities, and government agencies.

Bruce Power and the rest of our members are committed to the safety of the public and the protection of the environment throughout the complete life cycle of the nuclear industry and all play a critical role in the nuclear industry.

Bruce Power is committed to living its number one value of Safety First and protecting its employees, the public, and the environment through an ongoing and relentless focus on continuous improvement and safety. The company is proud to maintain industry-leading conventional and radiological safety programs and an emergency preparedness program that's always ready to respond.

Bruce Power's goal of zero occupational injuries and illnesses reflects its steadfast commitment to the safety of its employees and contractors. The Occupational Health and Safety (OH&S) system provides a framework that regularly realigns safety objectives and programs to ensure continuous improvement. Over the past five years, Bruce Power has sustained strong performance in all regulatory performance measures set forth by the Canadian Nuclear Safety Commission (CNSC), including the Industrial Safety Accident Rate (ISAR), Accident Severity Rate (ASR), and Accident Frequency Rate (AFR).

As one of the founding members and Co-Chair of the Ontario Chamber of Commerce Vaccination

Support Council, Bruce Power joined Ontario's private sector in bringing forward resources and logistical expertise to support public health and all levels of government in the province's historic vaccination efforts. Bruce Power brought together a coalition of organizations, unions, and businesses to establish and support hockey hub mass vaccination centers across the province. The hockey hub mass vaccination model was developed by the Grey Bruce Health Unit, and financial, logistical, and volunteer support was provided by Bruce Power and its partners. Bruce Power made a number of notable contributions to ensure the health and safety of the community during the COVID-19 pandemic.

- More than three million pieces of Personal Protective Equipment donated to frontline workers, businesses, Indigenous communities, and schools — the largest announced donation from a private-sector business in Canada.
- More than 47,000 vaccines administered at a Bruce Power-sponsored hockey hub vaccination center in Brampton during only 19 clinic days for a daily average of 2,500.
- \$60,000 in funding to support hockey hub clinics in Haldimand-Norfolk, Hamilton, and Toronto.
- Financial and logistical support for vaccination clinics in Grey, Bruce, and Lambton counties and logistical support for clinics in Waterloo Region and Halton Region.
- Set up a 36-bed recovery center in partnership with Saugeen First Nation in response to a community outbreak.
- Bruce Power's role in helping Ontario during the fight against the COVID-19 health crisis and in its vaccination efforts was recognized by Premier Doug Ford, Solicitor General Sylvia Jones, and public health and government officials across the province.

Bruce Power has demonstrated leadership through environmental stewardship, community and stakeholder engagement. Bruce Power has committed to operating an entirely carbon-neutral facility by 2027 – a first for a nuclear operator in North America. Bruce Power's approach to sustainability is evidenced by the company's 2022 Environmental, Society, and Governance (ESG) Risk Rating of 12.9, reflecting strong and improving ESG performance. It achieved top-three rankings globally within its sub-industry and scored within the top three percent in the Utilities industry.

Regarding community and stakeholder engagement, Bruce Power's commitment of \$2 million in local programs and over \$100,000 in scholarships is a testament to their understanding of their social responsibilities supporting local initiatives and education while contributing to the economic prosperity of the community.

Bruce Power maintains a commitment to fostering reconciliation with Indigenous peoples as highlighted by the agreement struck between Bruce Power and the Ojibway Nation to market new isotopes for cancer treatment, while creating economic opportunities in local communities. This ongoing work has earned Bruce Power three consecutive Gold certifications from the Canadian Council for Aboriginal Business as part of its Progressive Aboriginal Relations program.

In July 2019, Bruce Power announced a partnership with Kinectrics and Framatome to develop an Isotope Production System (IPS) for use in Bruce Power reactors. Early in 2022, the first of its kind IPS was installed and is now producing lutetium-177 (Lu-177), a medical isotope used to non-invasively treat prostate cancer and neuroendocrine tumors. Additionally, Bruce Power has formed a historic partnership with the Saugeen Ojibway Nation (SON) to jointly market new isotopes, starting with Lu-177.

In October 2022, Bruce Power held a three-day provincial exercise, Huron Endeavour, which successfully

tested the company's emergency response plans by simulating an on-site emergency scenario, as well as the Provincial Nuclear Emergency Response Plan, with outside agencies and municipalities. Bruce Power uses the information obtained from these drills to continually enhance and improve its emergency response readiness and proficiency.

Bruce Power's operations support 22,000 direct and indirect jobs annually, contributing \$4 billion through the direct and indirect spending on operational equipment, supplies, materials, and labor income in Ontario. Approximately 480 companies directly do business with Bruce Power, and these organizations, in turn, work with hundreds of sub-suppliers. Over the next decade, as Bruce Power refurbishes its fleet through its Life-Extension program and Major Component Replacement (MCR) project, it will add an incremental 5,000 direct and indirect jobs and billions in annual direct and indirect spending. More than 90 percent of Bruce Power's capital and resource costs are spent in Ontario, and the company's supply chain supports hundreds of businesses throughout the province.

Looking back at the past five years, Bruce Power has delivered an exemplary safety record, an unwavering commitment to the community, and world-class performance. This is tangible evidence of the commitment and dedication of its 4,000 employees and the strong leadership from Mike Rencheck and his leadership team. As the President of OCNI and a former Bruce Power employee, I offer my wholehearted support for Bruce Power and its continued operation, which is critical for our ongoing energy needs, the delivery of medical isotopes, and our collective efforts to reach our climate change goals.

Sincerely,

A handwritten signature in black ink that reads "Bill Walker". The signature is written in a cursive style with a long horizontal line extending to the right.

Bill Walker  
President & CEO  
Organization of Canadian Nuclear Industries