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**Written submission from  
Bruce Power Pensioners  
Association**

**Mémoire de l'Association des  
Retraités de Bruce Power**

**Regulatory Oversight Report  
for Canadian Nuclear Power  
Generating Sites for 2023**

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**Rapport de surveillance  
réglementaire des sites  
nucléaires pour 2023**

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Commission Meeting

Réunion de la Commission

February 25, 2025

Le 25 février 2025



To: Canadian Nuclear Safety Commission

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**Subject: Support for Bruce Power from the Bruce Power Pensioners Association**

Dear Members of the Canadian Nuclear Safety Commission,

As President of the Bruce Power Pensioners Association, representing over 2500 pensioners from Bruce Power, with over 60,000 years of nuclear experience, I am writing to express our strong support for the continued operation and regulatory approval of Bruce Nuclear Generating Stations A and B.

Bruce Power has been a cornerstone of our community, providing reliable and safe energy while maintaining a strong commitment to safety, environmental stewardship, and community engagement. Our members, who have dedicated their careers to the success of Bruce Power, can attest to the rigorous safety protocols and the culture of continuous improvement that define the company.

### **Safety Performance**

We are pleased to note that the recent Regulatory Oversight Report for 2023 highlighted the following key points regarding Bruce A and B:

- **Safe Operation:** CNSC staff verified the safe operation of both Bruce A and B, with no serious process failures reported.
- **Unplanned Power Reductions:** The number of unplanned power reductions, transients, and reactor trips was low and within acceptable limits, all managed safely.
- **Radiation Doses:** Radiation doses to the public and workers remained below regulatory limits, ensuring the well-being of both the community and the workforce.
- **Non-Radiological Injuries:** The frequency and severity of non-radiological injuries to workers were low, reflecting the company's commitment to worker safety.
- **Radiological Releases:** Radiological releases to the environment were below regulatory limits, showcasing Bruce Power's environmental responsibility.
- **International Obligations:** Bruce Power met all requirements related to Canada's international obligations, with safeguards inspection results being acceptable to the IAEA.

### **Life-Extension and Major Projects**

Bruce Power has signed a long-term agreement with the Province of Ontario to refurbish six of its eight units, securing the site's operation until at least 2064. The Life-Extension Program and Major Component Replacement (MCR) Project will play a key role in supporting growing electricity needs by extending the operation of the eight units. Unit 6 successfully completed its

MCR in September 2023, with Unit 3 progressing well and Unit 4's MCR set to start in February 2025.

### **Project 2030 and Bruce C**

Through Project 2030, Bruce Power is investing in increasing the output from its existing reactors to upwards of 7,000 megawatts. Additionally, the Province of Ontario's Powering Ontario's Growth plan supports the exploration of expansion with up to 4,800 megawatts of new nuclear capacity on the Bruce Power site, referred to as Bruce C. This expansion will undergo a federal Impact Assessment, highlighting Bruce Power's pivotal role in Ontario's energy grid.

### **Medical Isotopes Production**

Bruce Power is helping to make Canada a global leader in the production of medical isotopes. The company has formed a historic partnership with Saugeen Ojibway Nation (SON) to market medical isotopes, creating new economic opportunities within the SON territory. Bruce Power's production includes Lutetium-177 for cancer treatment and Cobalt-60, which is used worldwide in the sterilization of medical equipment and radiation therapy.

### **Community and Economic Impact**

Bruce Power is committed to strengthening the community and advancing economic development. The company donates generously to local Indigenous communities, invests in various non-profit and community-based programs, and provides educational scholarships. Bruce Power also supports over 22,000 direct and indirect jobs annually in Ontario, contributing significantly to the local and provincial economy. Furthermore, many of our children and their children will depend upon Bruce Power for challenging and rewarding jobs locally for generations to come, ensuring continued prosperity and stability for our families and the broader community.

### **Support for Continued Operation**

The Bruce Power Pensioners Association firmly believes that Bruce Power's commitment to safety, environmental protection, and operational excellence positions it as a vital asset to our community and the broader energy sector in Canada. The satisfactory ratings across all 14 Safety and Control Areas (SCAs) reaffirm our confidence in Bruce Power's capabilities and dedication to maintaining the highest safety standards.

### **Conclusion**

We urge the CNSC to continue its support and approval of Bruce Power's operations. The company's ongoing contributions to safe and reliable energy production are invaluable, and its positive impact on our community cannot be overstated.

Thank you for your consideration.

Sincerely

Doug Mullaly

President

Bruce Power Pensioners Association