



CMD 26-H104.7

Date: 2026-05-05

**Written Submission from
Candu Energy Inc.**

**Mémoire de
Candu Energy Inc.**

In the matter of

À l'égard du

Bruce Power

Application to amend the licensing basis for Bruce A and B nuclear generating stations to increase reactor power limits

Bruce Power

Demande visant à modifier le fondement d'autorisation des centrales nucléaires de Bruce-A et B afin d'augmenter les limites de puissance des réacteurs

Hearing in Writing

Audience par écrit

July 2026

Juillet 2026

Senior Tribunal Officer, Commission Registry
Canadian Nuclear Safety Commission
280 Slater Street, P.O. Box 1046 Ottawa, ON K1P 5S9

Email: interventions@cnsccsn.gc.ca

OUR REFERENCE:
21-CE_CNSC26-0001L
29-CE_CNSC-26-0001L

YOUR REFERENCE:
2026-H-104

**Subject: Candu Energy Inc.'s Support for Bruce Power's
Application to Amend the Licensing Basis for Bruce A and
Bruce B Nuclear Generating Stations to Increase Reactor
Power Limits - Project 2030**

Dear President and Commission Members,

DATE

May 5, 2026

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Candu Energy Inc., an AtkinsRéalis company, and the steward of Canada's CANDU® nuclear reactor technology appreciates the opportunity to provide written feedback to the Canadian Nuclear Safety Commission (CNSC) on Bruce Power's application to amend the licensing basis for Bruce A and Bruce B nuclear generating stations to increase their reactor power limits at a hearing in writing scheduled for July, 2026, Ref. 2026 H-104.

Candu Energy Inc. has confidence in Bruce Power's application to amend the licensing basis to intermediate power levels of 95.5% FP for Bruce A and 96% FP for Bruce B for the following reasons:

- Adequate safety margins have been demonstrated in the Bruce Power safety analysis for reactor operation at the proposed reactor power limits for Bruce A and Bruce B since the proposed changes to the reactor, channel, and bundle power limits are consistent with their original design. Candu Energy Inc. contributed directly to the technical and safety basis for Bruce Power's application through the performance and review of nuclear safety analyses and neutron overpower evaluations. This work confirmed that reactor power, channel power, bundle power and fuel performance would remain within established design limits and acceptance criteria at the proposed intermediate power levels, and that key safety limits continue to be met in accordance with the Bruce A and B licensing basis and CNSC regulatory expectations.
- The proposed changes to the reactor power limits are within the existing reactor design and do not alter the existing safety barriers or the safety functions that prevent accidents or reduce their consequences.

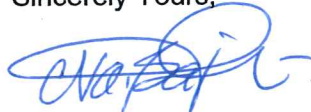
Since 2016, Candu Energy Inc. has been a key supplier of engineering and technical services to support Bruce Power's Life-Extension Program and Major Component Replacement Project. In addition, Candu Energy Inc., as an equity partner with Aecon in the Shoreline Power Group, is involved in the removal and replacement of the fuel channels and feeder tubes for each Bruce reactor undergoing life extension. Throughout the various interactions with Bruce Power, Candu Energy Inc. has found Bruce Power to be a knowledgeable, responsible and qualified nuclear operator.

Bruce Power is proposing to further expand their impressive track record as one of the largest investors and only private operator of nuclear facilities in the country. Bruce Power's Life-Extension Program is already Ontario's largest clean-energy infrastructure project. Project 2030 will enable even more economic and public safety benefits for Canadians by further leveraging the safe and proven CANDU reactors which Bruce Power operates so well. The avoided emissions from the initial phase of Project 2030 are estimated to remove up to 450,000 metric tonnes of CO₂e annually, the equivalent of taking approximately 100,000 cars off the road.

Already, Project 2030 has increased the site's net peak capacity by more than 150 MW through a focus on asset optimization, innovation, and leveraging new technology. This incremental site capacity can produce enough carbon-free electricity to power more than 170,000 homes in Ontario. Bruce Power ensures that 95 per cent of its spending stays in Canada, including its operations, capital investments, and procurement. Additionally, Bruce Power works to ensure key suppliers continue to expand their local presence, securing jobs and opportunities locally while directing more spend to local businesses.

In conclusion, Candu Energy Inc. supports Bruce Power's Project 2030. Candu Energy Inc. is confident in Bruce Power's capabilities to continue to provide sustained economic benefits through local investment and job creation, while maintaining a modern, safe, and high-performing fleet of CANDU reactors. Candu Energy Inc. remains committed to participating with Bruce Power as these projects strengthen Ontario's clean-energy future for decades to come.

Sincerely Yours,



Navid Badie, P. Eng.
Chief Nuclear Engineer