



**Written submission from
Rolls-Royce**

**Mémoire de
Rolls-Royce**

In the Matter of

À l'égard de

**Bruce Power Inc. – Bruce A and B
Nuclear Generating Station**

**Bruce Power Inc. - Centrale nucléaire de
Bruce A et Bruce B**

Request for a ten-year renewal of its Nuclear
Power Reactor Operating Licence for the
Bruce A and B Nuclear Generating Station

Demande de renouvellement, pour une période
de dix ans, de son permis d'exploitation d'un
réacteur nucléaire de puissance à la centrale
nucléaire de Bruce A et Bruce B

Commission Public Hearing – Part 2

**Audience publique de la Commission –
Partie 2**

May 28-31, 2018

28-31 mai 2018



Rolls-Royce

Support for Bruce Power License Renewal

Louise Levert
Secretariat
Canadian Nuclear Safety Commission
280 Slater St., P.O. Box 1046
Ottawa, Ontario K1P 5S9

April 11, 2018

Subject: Renewal of Bruce Power's Reactor Operating License for the Bruce Nuclear Generating Stations A & B

Dear Commission Members,

Rolls-Royce pioneers cutting-edge technologies that deliver the cleanest, safest, most competitive solutions to meet our planet's vital power needs. Rolls-Royce has a long history of providing quality engineering and innovated technology solutions in nuclear.

Rolls-Royce has supported Bruce Power for over 15 years. Throughout that relationship, we've supported Bruce Power in a variety of areas such as obsolescence management, parts readiness, engineering, design / building services, part supply, and digital services relating to optimization maintenance and inventory strategies. Bruce Power has been a trusted partner of Rolls-Royce, with a focus on collaboration and working together to provide the safest, most cost effective solutions. This partnering relationship has allowed our team to deliver projects which have helped Bruce Power maintain a safe operating history.

Support for Bruce Power License Renewal

Rolls-Royce is in full support of Bruce Power's 10 year License Renewal application.

From a clean energy perspective, Bruce Power's license extension means continuing the ability to provide Ontario with 30% of their electricity, at 30% less than the average cost to generate residential power. Extending the operating life of Bruce Power is key to maintaining a strong clean energy portfolio for Ontario and Canada overall. The confidence and stability that Bruce Power's generation provides is necessary to meet the future demands of electrification in Canada.

From an economic perspective, extending the operating license is key to sustaining the largest single job provider in the tri-county area. The impact of skilled jobs associated with Bruce Power, supporting



Rolls-Royce

supplier companies, and the related infrastructure businesses driven by Bruce Power's operation is vital to the local economy.

From an additional benefit perspective, the license extension will mean that Bruce Power can continue to produce Cobalt-60, which is necessary for life saving medical procedures such as the Gamma Knife. With Chalk River reactor no longer in service, there is an even greater need for Bruce Power to supply this material.

Safety First Culture

In working with Bruce Power, it is very evident that Safety is the company's Number One Value. Resources are allocated and prioritized to ensure safety is first. This message is clearly and consistently communicated throughout the organization and down to their suppliers as well. The promotion of a healthy safety culture is prevalent throughout all aspects of the company and is clearly in evidence in our dealing with all levels of the organization from the CEO down to the shop floor.

Accountability for safety is driven through the organization and individuals are held accountable for adherence to Bruce Power safety rules and demonstrate a commitment to safety throughout the organization and an understanding of how they contribute to safety goals. Lessons learned widely shared and used for continual improvement and there are strong processes in place to identify and correct problems in a timely manner, and to develop, implement, and measure the effectiveness of corrective and preventive actions.

From our interactions with Bruce Power, it's clear that a strong questioning attitude is maintained by Bruce Power staff to constantly challenge the safety of day-to-day activities. There are good housekeeping practices, well maintained materials and equipment, and good working conditions in place. The safety culture is also promoted not just while working on site, but while living at home in the community. The community feels appreciative at Bruce Power's promoting of safety throughout the area.

Community Engagement

In addition to producing electricity, Bruce Power continues to demonstrate their responsibility to support the local economy and people. As a Supplier in Bruce County, the message from Bruce Power Leadership is clear on the importance of engagement with the local communities.

Bruce Power has engaged in areas such as donations to local charities, employees volunteering community events, support for local schools and programs, and a focus on supporting the Indigenous People.



Rolls-Royce

Bruce Power has also encouraged their key suppliers to localize in the surrounding communities and also support the communities as well. By attracting supplier companies into the area, not only are new jobs created in the short term, but an infrastructure is being built to sustain that local economic growth beyond the operation of Bruce Power. Bringing additional skilled work force into the area provides an opportunity for innovation and growth not only in nuclear power, but in other industries as well.

Enabling Local Supplier Growth

As a result of Bruce Power's license extension activities and their drive for local community support, Rolls-Royce chose Bruce County as a key location to expand its operations in 2017. Rolls-Royce staffed the new office with a combination of local hires, as well as relocating key individuals from other offices. When Rolls-Royce chose to expand its operations in 2017, Saugeen Shores in Bruce County was an excellent choice based on a number of key factors.

The prospect of an extended operating life for Bruce Power meant higher confidence in opportunities for Rolls-Royce to provide support. This confidence helped make a solid investment case to localize in Bruce County, and hire local individuals to deliver the work.

Bruce Power's leadership, community responsibility, and safety record make them a great partner to invest and grow with. Their high company values match those of Rolls-Royce, which makes us proud to work closely and locally with.

Rolls-Royce has seen good results thus far with hiring skilled workers to support local delivery from the available pool of candidates. This has enabled our current growth in the local office, and is promising for future local growth while supporting the life extension.

The local communities and economic support team in the tri-counties area have been instrumental in enabling growth to support Bruce Power and the supplier companies. Through their work with Bruce Power, they've created an environment where Suppliers can effectively work with local communities to set up offices, get involved in local charities and organizations, and overall contribute to the area.

One of the most impressive features of the local community is the overwhelming support from the local communities regarding Bruce Power and nuclear power. From discussions around town or at local kids sporting events, there is an overall appreciation for safe nuclear power, and the participation that Bruce Power plays in the tri-counties. As a supplier localizing into the region, everyone that we have talked to has been nothing but supportive and welcoming to our business and our families.

Bruce Power has also helped enable Rolls-Royce to get involved with activities to support the Indigenous people of the region. As part of the Indigenous People Supplier Network, Rolls-Royce has been actively engaged in a variety of activities designed to support and provide opportunities for the Indigenous



Rolls-Royce

people. Bruce Power's leadership in this area has greatly helped facilitate our involvement with this important initiative.

In closing, Rolls-Royce looks forward to working together with Bruce Power for many years to come.

Sincerely,

A handwritten signature in black ink, appearing to read 'Brian Boccardi'. The signature is fluid and cursive, with a prominent initial 'B'.

Brian Boccardi

Rolls-Royce
Regional Vice President Nuclear Digital Services
5102 Highway 21
Port Elgin, ON N0H 2C0
Brian.boccardi@rolls-royce.com