



**Written submission from the  
World Nuclear Association**

**Mémoire de  
l'Association nucléaire mondiale**

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**

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

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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**



## **Submission to the Canadian Nuclear Safety Commission**

I am writing as Director General of World Nuclear Association to provide input to the Canadian Nuclear Safety Commission regarding Bruce Power's application for a 10-year operating licence renewal.

We support Bruce Power's 10-year Licence Renewal application.

World Nuclear Association is the international organization that represents the global nuclear industry. Its mission is to promote a wider understanding of nuclear energy among key international influencers by producing authoritative information, developing common industry positions, and contributing to the energy debate.

Our activities revolve around three strategic areas: nuclear industry cooperation, nuclear information management and nuclear energy communication.

We currently have 178 members from North America, South America, Europe, African and Asia. Bruce Power became a member of World Nuclear Association in 2003.

Membership of the World Nuclear Association encompasses virtually all of the world's uranium mining, conversion, enrichment and fuel fabrication companies, all major reactor vendors, nuclear utilities providing 70 per cent of world nuclear generation, major nuclear engineering, construction, and waste management companies and research and development organisations, as well as companies providing international services in nuclear transport, law, insurance, brokerage, industry analysis and finance.

Our members discuss key issues in working groups that cover topics capacity optimization, communications, economics and radiological protection. They also meet at our conferences, our Symposium held in London each September and the World Nuclear Fuel Cycle conference held in partnership with the US Nuclear Energy Institute, held in North America, Europe and Asia. Over its 15-year membership Bruce Power has been an invaluable participant in these activities.

Bruce Power was also one of the sponsors and co-hosts of the World Nuclear University (WNU) Summer Institute when it held its 2008 course in Ottawa, Ont. The WNU Summer Institute is an intensive six-week leadership development programme held annually in different locations. It offers dynamic lectures, invited leaders presentations, field trips to nuclear and industrial facilities, social events and team projects led by some of the world's foremost authorities. These cover the global energy setting and sustainable development, technology innovations, international safety regime, economics and project structuring.

Bruce Power is a significant supplier of affordable low carbon electricity for Ontario. Decarbonisation of electricity generation is an objective pursued by countries worldwide, in pursuit of national policy objectives and international commitments made at events such as the COP meetings of the UNFCCC. A combination of nuclear and renewable generation has made it possible for Ontario to supply more than 90% of its electricity from non-fossil fuel generation.

The additional certainty provided by a 10-year Licence Renewal would enable Bruce Power to proceed with its major component replacement program, a major investment program that could see the site operating to 2064, delivering affordable, reliable, low-carbon electricity.

Continued operations will require a strong commitment to safety. Maintaining high levels of safety is an overriding objective of the members of our association, including Bruce Power.

Innovation is also important. New technologies and processes can be applied to ongoing activities at existing plant as well as new build projects. We are aware that Bruce Power and the County of Bruce have worked together to set up a regional Economic Development and Innovation Initiative for nearby communities in Bruce, Grey and Huron counties. This initiative will help leverage economic opportunities for local companies through Bruce Power's Life-Extension program.

In conclusion, we support the granting of Bruce Power's 10-year Licence Renewal application because it will support the generation of affordable, low-carbon electricity and ensure investment in local communities.

A handwritten signature in black ink, appearing to read "Agneta Rising". The signature is fluid and cursive, with a long horizontal stroke at the end.

Agneta Rising  
Director General, World Nuclear Association