



Oral Presentation

Exposé oral

Submission from the Council of the Great Lakes Region

Mémoire du Council of the Great Lakes Region

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



COUNCIL OF THE GREAT LAKES REGION



GREAT LAKES
ECONOMIC FORUM

MONTREAL | MAY 3-5, 2018

GREATLAKESECONOMICFORUM.COM

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March 19, 2018

Canadian Nuclear Safety Commission
c/o Louise Levert, Secretariat
280 Slater St., Box 1046
Ottawa, ON
K1P 5S9

CNSC CCSN



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To whom it may concern,

I am writing to express our support for renewing the operating license for Bruce Power.

The Province of Ontario must plan for a future energy supply mix that best creates a competitive advantage for our economy. Moving forward with infrastructure projects at Bruce Power will help build reliable, low-cost and carbon-free baseload generation for the province, which will benefit families and businesses for decades to come.

With an economic output of US\$5.8 trillion, the Great Lakes Region accounts for 30 per cent of combined Canadian and U.S. economic activity, and 31 per cent of employment, ranking it as the third largest economy in the world if it were a country, behind only the U.S. and China.

Given this economic concentration, the massive economic and geographical footprint of the region requires enormous amounts of energy in order to operate. The Great Lakes Region consists of eight states and two provinces, many of which rely on nuclear energy to power their economies and keep the air clean. The members of the Great Lakes Region combine to rely on nuclear for 30 per cent of their electricity and 50 per cent of their non-emitting electricity supply.

The nuclear power generated from Bruce Power plays an increasingly important role in the Great Lakes Region's modern, balanced electricity system, as governments continue to focus on policies that will grow their economies and reduce greenhouse gas emissions.

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That includes the growing emphasis on low-carbon economies, and in this endeavor Bruce Power has achieved historic success. Ontario was the first jurisdiction in North America to end its use of coal fired electricity; its elimination in Ontario is the single largest greenhouse gas reduction measure in North America. Refurbishing four of Bruce Power's dormant nuclear reactors over the past decade provided 70 per cent of the energy the province needed to achieve this clean-air goal. With zero coal-fired electricity, the number of smog days plummeted from 53 in 2005 to zero in 2015.

Simply put, without Bruce Power, Ontario would not have been able to meet its clean energy or carbon reduction goals. Today, the production from the Bruce Power site annually avoids the equivalent of 31 million tonnes of CO₂ were it replaced by coal-fired electricity.

Currently there are 55 nuclear reactors operating in the Great Lakes Region, spread throughout seven states, and Bruce Power in Ontario. While they generate significant amounts of carbon-free and reliable electricity 24 hours a day, 365 days a year, they also provide significant economic benefits through jobs and capital investment. An electricity system, with a baseload of low-cost nuclear energy, saves Ontario an estimated \$6.9 billion per year off the cost of achieving the emission targets, and low-cost electricity can also save up to \$1 billion annually in externally purchased allowances, accelerating the benefit of the invested proceeds to achieve emission reductions.

Just like producing clean energy, waste management is a central component of Bruce Power's daily operations. The organization has demonstrated its commitment to providing current and future electricity needs without compromising the quality of life in the Great Lakes Region for future generations, and this is done by not only meeting the standards of environmental performance set by our regulators, but by exceeding them. Bruce Power has demonstrated leadership by managing their waste through the application of sustainability principles and integrating environmental safety into their nuclear safety culture. Bruce Power continues to effectively implement programs for the minimization, segregation, handling, monitoring and processing of waste in accordance with regulations and industry best practices.

Bruce Power's nuclear technology has been a source of innovation and job creation in communities across southern Ontario and supports Ontario's GDP through both domestic and export value. Approximately 90 per cent of nuclear spending is done within each facility's own region, making Bruce Power an invaluable part of economies across the Great Lakes Region. Given the quality of jobs in the nuclear industry, there is on average a multiplier effect of 2.5x for every base job. Most of the supply chain manufacturing, engineering and specialty companies that will support the refurbishment and operation of Bruce Power are located right here in Ontario.

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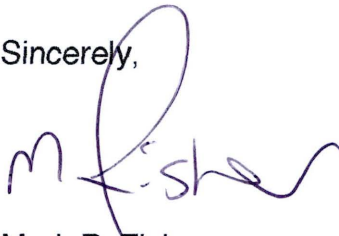
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Lowering the cost of electricity for homeowners and businesses, meeting short- and long-term emission targets, and preparing for Ontario's future by securing carbon-free energy sources are our goals for the future. However, these ambitions cannot be met without the continued support of the current vision for nuclear power in Ontario. Renewing the license is a necessary step in a shift towards an electricity system that will be increasingly dependent on nuclear generation as a source of safe, reliable and affordable power for decades.

Supporting Bruce Power's license renewal and its life-extension program is a logical investment in securing our energy future.

Sincerely,

A handwritten signature in blue ink that reads "M. Fisher". The signature is fluid and cursive, with a large loop at the top of the "F" and a long, sweeping tail.

Mark P. Fisher
President and CEO

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