



Oral Presentation

Exposé oral

**Submission from
Asthma Canada**

**Mémoire de
Asthma Canada**

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

Bruce Power License Renewal

Public Commission Hearing
Participation

About Asthma Canada

Asthma is a national charitable volunteer-supported organization devoted to enhancing the quality of life and health for people living with asthma and associated allergies through education, research and advocacy. Asthma Canada has a 40-year reputation of providing health education services to patients and healthcare professionals.

Few risks have a greater impact on global health today than air pollution.

As the world moves forward in addressing the growing demand for energy, it will be important to ensure that an emissions-free option is pursued.

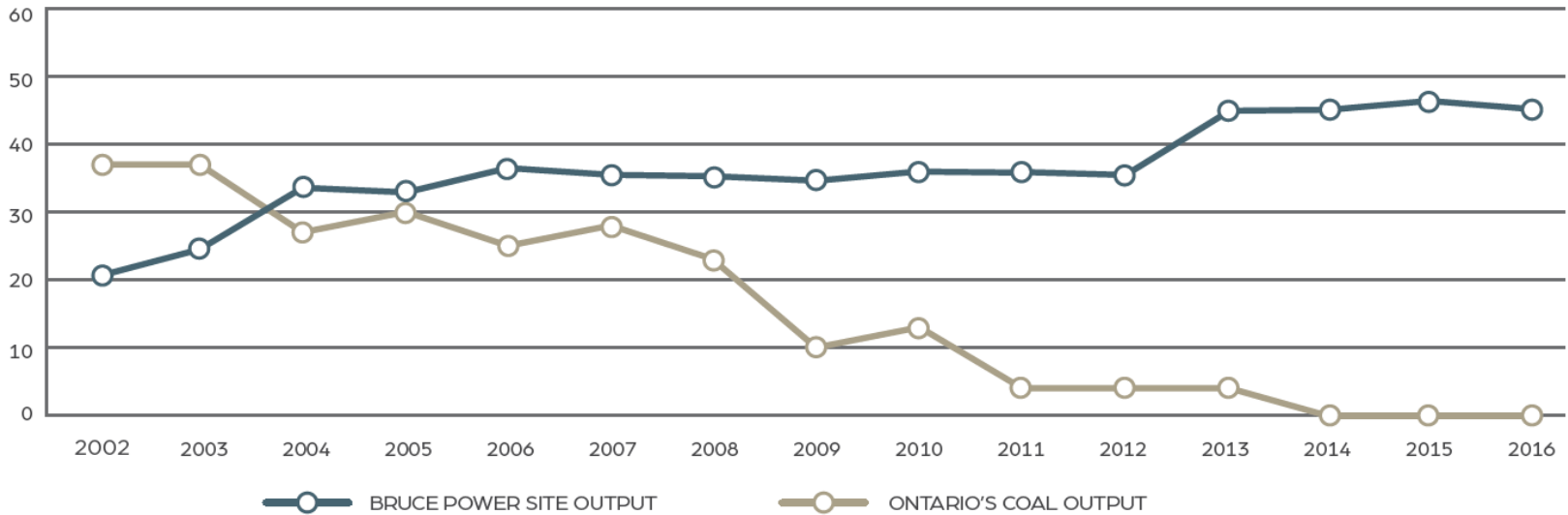
Today, the people of Ontario have cleaner air from cleaner energy.

A major part of this commitment was made possible through the refurbishment of our nuclear reactor units, including four of the units at the Bruce Power site.

Closing coal-fired power plants represents one of the largest greenhouse gas reduction initiatives in North America. The closure has eliminated more than 30 megatonnes of annual GHG emissions, equivalent to taking seven-million vehicles off our roads.

Nuclear Up, Coal Down

BRUCE POWER SITE OUTPUT AND COAL OUTPUT 2002 TO 2016



A revitalized eight-unit Bruce Power Site: 70% of the energy needed to phase-out coal in Ontario.



Nuclear Up:

The revitalization of Bruce A provides Ontario with an additional 3,000 MW of low-cost, clean electricity, since the number of operating units on site was doubled from four to eight, while Bruce B continues to be counted on for 15 per cent of Ontario's electricity.

Coal Down:

Over the past decade, Ontario reduced its use of coal by nearly 100 per cent, accounting for just two per cent of the electricity in 2013 before being shut down in 2014.

In 2005, the Greater Toronto Area suffered from **53** smog days.

Through coal phase-out and clean air initiatives, the province had **zero** smog days in 2017.

The value of **safety** lies at the heart of Bruce Power's operations.

A safer **facility** equals a safer **public**.

Bruce Power has demonstrated that their effective adoption of world-class health and safety measures are fundamental to the long-term success of our province, and to the continuous improvement of our air quality.

Our country and our province is serious about tackling climate change, which is why we need to secure the important role nuclear power plays in meeting our health and electricity needs for today and tomorrow.

Every step we take toward a cleaner electricity supply mix and a reduced reliance on fossil fuels for energy and transportation, the better the air quality in the province.



As we reduce carbon emissions, we increase the quality of life for our residents, especially those with asthma and allergies.



April 4, 2018

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

Dear Sirs/Madams,

Asthma Canada is the only national charity, solely devoted to enhancing the quality of life for people living with asthma and respiratory allergies. For more than 40 years, Asthma Canada has proudly served as the national voice for Canadians living with asthma. We empower patients with evidence-based information and educational programs, support asthma research in Canada, and bring the patient voice to the forefront of healthcare dialogue through advocacy initiatives. Our vision is a future without asthma.

At Asthma Canada, we always value partnerships with organizations who are actively improving the quality of life for individuals with asthma, allergies and other respiratory illnesses. That is what makes our relationship with Bruce Power so special; their leadership in providing 70 per cent of the energy Ontario needed to phase out coal-fired electricity has led to a sharp reduction in smog days in the Greater Toronto Area – from a high of 53 days in 2005 to zero in 2017.

The marked improvement in Ontario's air quality since the elimination of coal-fired energy and the switch to the use of clean air energy sources like nuclear power, has made a huge difference for those with asthma and other respiratory issues. Clean air reduces asthma attacks, work place absenteeism, hospitalizations, and deaths. The move from coal-fired energy to clean nuclear energy has enormous health benefits for all Ontarians and that is why Asthma Canada strongly supports the renewal of Bruce Power's ten-year operating license.

As we address our growing demand for energy, it will be important to ensure that a balanced supply mix, with emissions-free options, is pursued. Asthma Canada believes nuclear power should continue to play a critical role in meeting our energy and air quality needs, and a renewal of its operational license is a crucial step.

The nuclear industry helps combat climate change which is critical to the health and wellness of the people of Ontario. Therefore, we must take steps to sustain our nuclear industry.

The improvements in air quality that Ontario has experienced would not have been possible without the safe, reliable operations of our nuclear facilities. In continuously striving for excellence, Bruce Power not only adopts world-class health and safety practices on site, but embodies the value of communal

well-being through their 4,200 employees, who make it their mission to safely provide the province with emissions-free energy that leads to a healthy environment and protects the air we breathe.

Bruce Power has demonstrated that the continued safe operation of their units and a healthy future for Ontarians go hand-in-hand. Minimizing health risk to the public is the heart of their business.

As we continue to reduce carbon emissions and partner with like-minded companies like Bruce Power, we improve the quality of life of our residents, especially those who suffer from asthma and respiratory issues.

Having nuclear power as part of Ontario's clean air energy mix means leaving a healthy legacy for our future. It is our duty, as global leaders, to meet the world's growing energy needs without sacrificing the climate or human health.

Sincerely,



Vanessa Foran
President and CEO
Asthma Canada