



Oral Presentation

Exposé oral

**Submission from
Aecon Group Inc.**

**Mémoire de
Aecon Group Inc.**

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 RE-LICENSING INTERVENTION

Date: May 30-31, 2018



AECON

ENERGY



NUCLEAR
UTILITIES
OIL & GAS
PIPELINES
COGENERATION
FABRICATION & MODULES

INFRASTRUCTURE



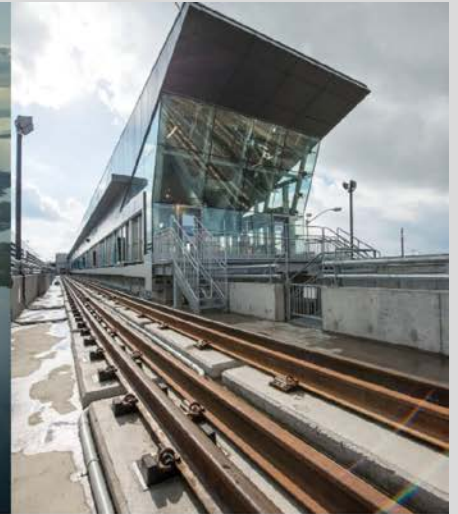
RAIL & TRANSIT
STATIONS
ROADS, BRIDGES, TUNNELS
HYDROELECTRIC
WATER TREATMENT
AIRPORTS

MINING



MINE SITE DEVELOPMENT
OVERBURDEN REMOVAL &
RECLAMATION
PROCESSING FACILITIES
MECHANICAL WORKS
FABRICATION & MODULES

CONCESSIONS



PUBLIC PRIVATE
PARTNERSHIPS (P3s)
PROJECT DEVELOPMENT
PROJECT FINANCING
OPERATIONS & MAINTENANCE
EQUITY INVESTMENTS

AECON NUCLEAR

EPC-CAPITAL PROJECTS



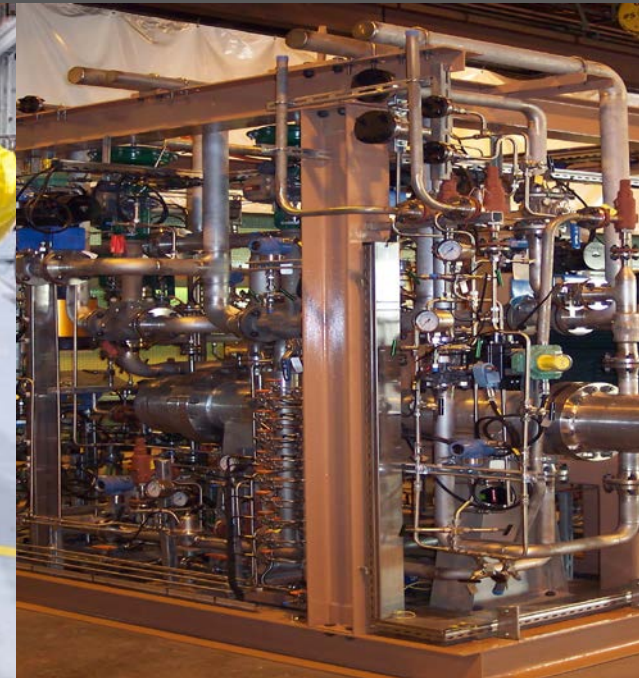
- Nuclear Island & BoP
- System Modifications
- Refurb

PLANT MAINTENANCE



- PMODs and TMODs
- Reactor Services
- Outage Mgmt.

FABRICATION



- Nuclear Class Comp.
- Engineered Modules
- Pipe- Spools

SECURE ELECTRICITY SUPPLY FOR ONTARIANS

- Detailed planning for operating, maintaining and improving Bruce Power nuclear facilities
- High regard for safety performance and worker personal accountability
- Innovative continuous improvement and training programs

NUCLEAR:

60%

**of Ontario's
electricity
generation**

CORPORATE AND SOCIAL RESPONSIBILITY

- Bruce Power - open organization, focused on continual learning. Seeks out best practices and OPEX.
- **Aecon shares its experience from:**
 - National portfolio of multi-sector, projects, Nuclear Refurbishment campaigns
 - 360 degree partnership approach for Indigenous Relations, national partnerships

CORPORATE AND SOCIAL RESPONSIBILITY

- Bruce Power Community Investment and Sponsorship program – STEM, apprenticeships, WIN etc.
- **Aecon – Strong supporter of BP initiatives and sponsorship donations.**
 - 2017 – \$65,000 in direct donations to local programs

STRONG ECONOMIC BENEFITS

- Bruce Power – over 4,000 dedicated, engaged employees
 - Champion of local economic development via conferences, sponsorships, workshops, supply chain engagement
 - Refurbishment – 30+ years of plant operational life
- **Aecon – new Kincardine office for up to 140 locally based jobs**
 - New centre-of-excellence for construction project management and nuclear construction worker training

OUR SUPPORT

***We fully support Bruce Power's
10-year License Renewal.***



THANK YOU



March 7, 2018

Canadian Nuclear Safety Commission
c/o Louise Levert, Secretariat
280 Slater St., P.O. Box 1046
Ottawa, Ontario
K1P 5S9
E-mail: interventions@cnsccsn.gc.ca

Attn: **Ms. Louise Levert, Secretariat**

Subject: **Request to be recognized as an Intervenor for CNSC Public Hearing Part regarding Bruce Power Reactor Operating License**

Regarding the CNSC's Public Consultation on Bruce Power's Reactor Operating License, Aecon respectfully requests to intervene by way of a written submission and if there is interest, a member of Aecon's nuclear leadership team is also able to present. Aecon firmly supports Bruce Power's application for renewal of its Power Reactor Operating License for Bruce A and Bruce B Nuclear Generating Stations for a period of 10 years.

Introduction

Aecon is a Canadian leader and partner-of-choice for construction services, headquartered in Toronto, Ontario. For over a century, Aecon and its predecessor companies have provided project management, financing, development services, and integrated turn-key services to private and public-sector clients in the Infrastructure, Energy and Mining sectors. With over 12,000 employees, Aecon is also the largest nuclear contractor in Canada with a current nuclear workforce of 1,650 employees. At peak this past year, Aecon's Cambridge facility had 160 workers working on nuclear fabrication. In addition to direct employment, Aecon is a customer and indirect employer for 441 qualified suppliers.

Within a two-hour radius of Bruce Power, in Cambridge, Ontario, Aecon owns and operates fabrication shop facilities that support Bruce Power and other customers. Our shop facilities are ASME N Stamp and CSA N285 certified to produce fabricated products for our nuclear clients. We have operated our shop facilities safely without a Lost Time Injury for over 20 years.

We are proud to work on projects that connect communities, homes and people while protecting the environments in which we work. We are especially proud of our thriving relationship with Ontario nuclear power producers who provide secure, clean electricity supply to Ontarians and strong economic benefits to both regional and national areas, while operating their businesses in alignment with the social and environmental responsibility principles held dear by Aecon.

AECON HEADQUARTERS

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PACIFIC
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Vancouver, BC V7X 1G4
604.235.1398

Secure Electricity Supply for Ontarians

Aecon serves multiple customers who generate electricity by many forms including natural gas, biofuel, solar, wind and hydro-electric. We recognize the importance of nuclear power in Ontario's diverse electricity generation mix. On any given day, nuclear power contributes approximately 60% to Ontario's electricity generation, with Bruce Power contributing approximately half of this amount. Through our work with Bruce Power, Aecon is honored to play a part in maintaining and building infrastructure that ensures the long-term security of electricity supply for Ontario.

Bruce Power's well-communicated and highly detailed nuclear refurbishment plans are testament to the robustness of its operational processes which strictly comply with its Reactor Operating Licenses, applicable regulations and Codes, and best industry practices. As a direct consequence of the strict Bruce Power requirements imposed for work planning, estimating, project management and project controls, Aecon has recently submitted some of the most detailed proposed plans in our corporate history.

The enforcement and oversight activities of the CNSC and other authorized inspection agencies are clearly understood by Bruce Power and Aecon staff and are rolled out to implementing organizations who ensure exacting quality requirements are planned into the daily work activities for operating, maintaining and improving the Bruce Power nuclear facilities.

Bruce Power's Environmental Management and Safety Programs are robust, as demonstrated by Bruce Power's top tier safety performance. Bruce Power hires only contractors who demonstrate the highest regard for safety performance and worker personal accountability on the job site. Aecon has demonstrated our performance and capabilities to Bruce Power, in this regard, and we are proud to be part of Bruce Power's supply chain and to have our workers take part in its innovative continuous improvement and training programs.

Corporate and Social Responsibility

Through the years, Aecon has witnessed the positive effects on the local community derived by Bruce Power's socially responsible actions and initiatives. These initiatives have targeted a diverse range of community participants including the disadvantaged, youth, Indigenous peoples, women and the general populace.

Bruce Power is an open organization focused on continual learning and seeks out best practices and operating experience from other organizations and stakeholders. For example, Aecon's extensive experience partnering with Indigenous communities for its projects in northern Canadian areas, and our innovative partnerships with Indigenous businesses have been shared with Bruce Power to benefit its local Indigenous communities. We have participated along-side Bruce Power, supporting initiatives such as its Indigenous Relations Suppliers Network, where we collaborate and streamline our efforts to engage the Saugeen Ojibway Nation, Historic Saugeen Metis and Metis Nation of Ontario #7 to share in training, employment and business opportunities. Our participation is rooted in Aecon's 360-degree partnership approach and corporate social responsibility model that percolates throughout our business operations.

Bruce Power ensures the sustainability of its business in many ways, including encouraging youth to explore educational and work opportunities in Science, Technology, Engineering and Mathematics (STEM), encouraging more apprenticeship opportunities in trades, sponsorship and mentorship of robotics competition teams from local high schools, and sponsoring Women in Nuclear (WIN) initiatives. In working with Bruce Power on these initiatives, we have witnessed the high level of engagement and support from the highest levels of Bruce Power management.

Bruce Power has built relationships with many of the groups that it funds through its Community Investment and Sponsorship program.

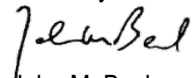
Strong Economic Benefits

At a time when various economic challenges are being faced by Ontarians, Bruce Power has provided valued, long term, full-time employment to local residents of the largely rural, Bruce-Grey-Huron Tri-Counties area. Bruce Power has championed local economic development through sponsorship and facilitation of various conferences and workshops involving Bruce Power's strategic vendors, local businesses, and municipal governments. Aecon has participated with Bruce Power at these community events and we have been impressed by the dedication and careful thought exhibited by Bruce Power employees, which in total, number greater than 4,000.

As a direct result of Bruce Power's Major Component Replacement, Life Extension and Asset Management Programs, adding approximately 30 to 35 years of operational life, Aecon is immediately expanding its local presence in Bruce County with the establishment of a new office in Kincardine, Ontario. This office will introduce up to 140 new locally based jobs, on top of our existing, staff positions in our Port Elgin, Ontario offices. We intend this office to be a centre-of-excellence for construction project management and nuclear construction worker training. We look forward to working with Bruce Power to introduce new construction trades apprentices to the workforce, and have taken steps to setup a new co-sponsored scholarship that will support this initiative.

In conclusion, Aecon firmly supports Bruce Power's application to extend the Bruce A and Bruce B NGS Reactor Operating Licenses for a period of 10 years, for the reasons aforementioned.

Sincerely,



John M. Beck,
President and Chief Executive Officer
Aecon Group Inc.