



**Written submission from
ATS Automation**

**Mémoire de
ATS Automation**

In the Matter of

À l'égard de

**Ontario Power Generation Inc.,
Pickering Nuclear Generating Station**

**Ontario Power Generation Inc.,
centrale nucléaire de Pickering**

Request for a ten-year renewal of its Nuclear
Power Reactor Operating Licence for the
Pickering 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 Pickering

Commission Public Hearing – Part 2

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

June 2018

Juin 2018



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Date: May 07, 2018

Canadian Nuclear Safety Commission
280 Slater Street P.O. Box 1046, Station B
Ottawa, ON K1P 5S9

Subject: Renewal of Ontario Power Generation (OPG) renewal of the Pickering Nuclear License

Dear Commission Members,

ATS Automation supports the application for Ontario Power Generation's (OPG) efforts to renew the Pickering Nuclear License to 2024. Renewing the license for continued operations to 2024 is critical for Ontario's energy needs, as well as supporting Ontario's nuclear revitalization when units are offline for refurbishment at Darlington and Bruce Power.

ATS has been involved in providing manufacturing automation for a variety of customers and our track record of innovation and passion for excellence sets us apart as a world leader in automation. This comes from years of experience in helping many of the world's most successful companies with their new product launches, capacity expansions, and productivity improvement initiatives.

ATS's technology applications have been instrumental in providing OPG with problem solving solutions for their production challenges. We believe that leveraging insights and best practices between all the markets we serve creates a unique multi-industry synergy. We apply the knowledge gained from other sectors to projects in the nuclear industry.

ATS has supplied tools and equipment over a number of years and we are now working together with OPG to design and supply the next generation of reactor inspection and maintenance tool delivery machines called RDS (Rapid Deployment System).

OPG's number 1 value is 'safety first'. ATS shares this value and together as an integrated team, and with full engagement and collaboration, we are developing the most optimized machines to the highest quality and safety standards. The RDS program included multiple design reviews including failure mode and effects analysis (FMEA) and as a result the requirement for redundancy of key components was identified and implemented. As a result of this program ATS has engaged other specialized nuclear companies in order to bring the best in class suppliers together as well as using commercial machining and fabrication shops throughout Ontario. The RDS design leverages Bruce Power's BRIMS (Bruce Inspection and maintenance System) OPEX and experience. It's important to note that the collaboration between OPG and Bruce Power is strong and sharing tooling knowledge has been mutually beneficial to both parties and helps suppliers like ATS deliver safe, reliable robust systems.

Aside from producing safe, clean and reliable energy, the Pickering reactors produce Cobalt-60 which is extracted and used in the irradiation and sterilization of single-use medical devices, such as syringes, gloves, implants and surgical instruments.



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ATS also supports OPG's commitment to the local communities through its Sponsorship Programs, high school and post-secondary scholarships, Aboriginal and Physician Recruitment Programs and their safety and environment initiatives.

OPG has also worked hard to build strong roots in Ontario and are committed to protecting the environment and supporting local communities. They have demonstrated absolute commitment to safety.

ATS fully supports Ontario Power Generation's (OPG) efforts to renew the Pickering Nuclear License to 2024. Renewing the license for continued operations to 2024 is critical for Ontario's energy needs, as well as supporting Ontario's nuclear revitalization when units are offline for refurbishment at Darlington and Bruce Power.

Narinder Bains

A handwritten signature in black ink, appearing to read 'N. Bains', written over a circular scribble.

General Manager Nuclear
ATS Automation