



**Written submission from
CAMECO Corporation**

Mémoire de CAMECO Corporation

In the Matter of the

À l'égard d'

Ontario Power Generation Inc.

Ontario Power Generation Inc.

Application for a licence to construct one BWRX-300 reactor at the Darlington New Nuclear Project Site (DNNP)

Demande visant à construire 1 réacteur BWRX-300 sur le site du projet de nouvelle centrale nucléaire de Darlington (PNCND)

**Commission Public Hearing
Part-2**

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

January 2025

Janvier 2025



TIM S. GITZEL
*President and
Chief Executive Officer*

October 30, 2024

CAMECO CORPORATION
*Corporate Office
2121 – 11th Street West
Saskatoon, Saskatchewan
Canada S7M 1J3*

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

*Tel 306.956.6200
Fax 306.956.6201
www.cameco.com*

Dear President and Commission Members:

Ontario Power Generation's Application for a Power Reactor Construction Licence

On behalf of Cameco Corporation, I am writing to express support for Ontario Power Generation's (OPG) application for a licence to construct a Small Modular Reactor (SMR) at the Darlington Nuclear Generating Station.

OPG is recognized as a world leader in nuclear operations, consistently delivering exceptional performance in both safety and operational excellence. With both extensive nuclear experience and a commitment to safety, OPG is uniquely positioned to lead the deployment of SMR technology and guide the workforce into the next phase of nuclear innovation.

OPG has a long history of successfully operating nuclear reactors while meeting the highest safety standards. Their proven track record includes safely operating their current nuclear fleet and managing significant projects, such as the refurbishment of reactors, all while maintaining a strong safety record. This proven track record and their continued commitment to safety demonstrates that OPG is fully prepared and capable of handling the responsibilities that come with constructing a new SMR.

SMRs represent a significant step forward in nuclear safety and technology. Their smaller size, modular design, and enhanced safety features make them inherently safe. These reactors are built with the latest advancement in nuclear engineering, ensuring that safety is integrated into every aspect of their design and operation.

The construction of a new SMR would further strengthen the health of the Western nuclear supply chain, fostering growth and stability within the industry. This will provide significant economic benefits, enabling Ontario and Canada to continue leading in the advancement of nuclear technology. Additionally, SMR technology presents a solution to meet increasing energy demand while combating the effects of climate change.

At the core of this project is the highly skilled workforce of OPG and its partners within the nuclear supply chain. Ontario is home to a vast pool of technical expertise, honed by decades of nuclear experience. From construction through to plant operation, the professionals in this industry understand the critical importance of safety and protection of the environment. Their capabilities are a testament to the strength of Ontario's nuclear ecosystem, where safety and operational excellence are intertwined, ensuring the highest standards are met at every stage of nuclear energy production.

We are confident that OPG's application for a Power Reactor Construction Licence is the right step forward in the fight against climate change and in securing Ontario's energy future. We support this project and the continued advancement of safe, reliable nuclear technology in the province.

Very best regards,



Tim S. Gitzel
President and Chief Executive Officer
Cameco Corporation