



File / dossier : 6.01.07

Date: 2021-04-30

Edocs: 6553575

**Written submission from
ARC Clean Energy Canada Inc.**

**Mémoire d'
ARC Clean Energy Canada Inc.**

In the Matter of the

À l'égard de

Darlington New Nuclear Project

**Projet de nouvelle centrale nucléaire de
Darlington**

Application to renew the nuclear power
reactor site preparation licence for the
Darlington New Nuclear Project

Demande de renouvellement du permis de
préparation de l'emplacement d'une centrale
nucléaire pour le projet de nouvelle centrale
nucléaire de Darlington

Commission Public Hearing

Audience publique de la Commission

June 10, 2021

10 juin 2021



ARC Clean Energy Canada Inc.
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April 27, 2021

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

Dear Mr. LeBlanc,

Subject: Support for the Renewal of Darlington New Nuclear Project (DNNP) the Renewal of the DNNP PRSL

This letter is to express ARC Clean Energy Canada's (ARC Canada) support for Darlington New Nuclear in their proposal for a renewal of the Darlington New Nuclear Project (DNNP) Power Reactor Site Preparation License (PRSL) for a 10-year period. [CNSC Ref. 2021-H-04].

With Ontario Power Generation (OPG) resuming planning activities for a new nuclear power reactor at its DNNP site, including the Notice of Intent for Submission of a License to Construct Application for a grid-scale Small Modular Reactor (SMR) facility (~300 MWe net facility output), ARC Canada is fully supportive of their activities which is in line with the vision from the Canadian Roadmap & Action Plan for Small Modular Reactors:

Small Modular Reactors as a source of safe, clean, affordable energy, opening opportunities for a resilient, low-carbon future and capturing benefits for Canada and Canadians.

Our mission at ARC Canada is reshaping the power industry by providing affordable energy that is scalable and carbon free, and as such, we applaud OPG in their efforts to make SMR's a reality in Canada. OPG has proven over decades that their nuclear clean energy facilities are operated with the highest of standards which has been essential to maintain a reliable and low-emitting Ontario electricity grid. OPG's transition off coal remains one of the world's single largest actions to fight climate change and is the equivalent of taking seven million cars off the road.

We also recognize OPG's history of more than 50 years of operation, where no member of the public has ever been harmed from its nuclear operations. In addition, OPG has reported that they never exceeded regulatory limits on radioactive releases into the environment. This gives high confidence that OPG has the Corporate Culture to ensure that the manufacturing, construction, and operation of a Grid-Scale SMR at Darlington will be done with the latest industry practices incorporated and to continue their exemplary history of nuclear operations.

In conclusion, ARC Canada is of the opinion that OPG is qualified to carry on the activities identified and in doing so will make adequate provision for the health and safety of persons, protection of the environment and the maintenance of national security and measures required to implement international obligations to which Canada has agreed.

If you require any further information, please do not hesitate to contact the undersigned.

Sincerely,



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