



Oral presentation

Exposé oral

**Written submission from the
Canadian Electricity Association**

**Mémoire de l'Association canadienne
de l'électricité**

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

April 30th, 2021

Senior Tribunal Officer, Secretariat
Canadian Nuclear Safety Commission
280 Slater Street, P.O. Box 1046, Station B
Ottawa, ON K1P 5S9
Email: cncs.interventions.ccsn@canada.ca

Public Hearing Ref. CD# NK054-CORR-00531-10533

Dear Senior Tribunal Officer,

On behalf of the Canadian Electricity Association (CEA), I am writing to you in support of Ontario Power Generation's application to renew Site Preparation Licence (PRSL) for the Darlington New Nuclear Project (DNNP).

As you may know, CEA is the national voice of electricity in Canada. Our members generate, transmit and distribute electricity to industrial, commercial, and residential customers across Canada. Electricity is a key economic, environmental, and social enabler that is essential to Canadian prosperity and Canada's transition to a clean energy future. In addition, a condition of CEA membership is participating in our sustainable electricity program, which, among other things, requires that members adhere to ISO 14001.

Canada's electricity grid is among the cleanest in the world: more than 80% of electricity produced in Canada is non-emitting, which will grow in the coming years. This means that electricity is well positioned to lead the decarbonization of the country's economy through electrification. Our sector is making substantial investments on an ongoing basis to enable this transition, ensuring that Canadians can benefit from innovations that are adding flexibility, reliability, and security to the grid.

Nuclear power is essential to Canada's low carbon electricity advantage. Nuclear power supplied over 100 000 GWh of electricity in Canada in 2019¹, and supplies over 60% of Ontario's electricity. In addition to emitting virtually no greenhouse gases, nuclear power is reliable, which helps to ensure that electricity is there when it is needed.

Ontario Power Generation has been a CEA member for decades. CEA has repeatedly recognized OPG's performance in Sustainability and Health and Safety, including two awards in the past year. In 2020, Ontario Power Generation won the Sustainable Electricity program's 2020 Leadership in External Collaboration and Partnerships for its Giizis Energy Facility: Renewable energy micro grid project between Ontario Power Generation and Kiashke Zaaging Anishinaabek Gull Bay First Nation.

CEA awarded Ontario Power Generation with the 2020 CEA President's Award for Safety Excellence in Generation. The President's Award is given to electricity service providers that achieved the top ranking in Total Recordable Injury Frequency (TRIF) amongst their peers of comparable size in

¹ International Energy Agency, <https://www.iea.org/countries/canada>

generation, transmission, or distribution operations. This includes operations at their nuclear power facilities, including the Darlington facility.

OPG is also an active contributor in the committees and councils at CEA that advance environmental, social and safety goals. This includes CEA's environment committees, our Occupational Health and Safety Committee, and Indigenous Relations Committee. In these, OPG is helps advance best practices in these areas across the sector.

CEA is proud to count Ontario Power Generation as part of our membership and support them in their efforts to renew their Site Preparation Licence (PRSL) for the Darlington New Nuclear Project (DNNP).

Kind regards,



Francis Bradley
President and CEO