



CMD 25-H2.63

Date: 2025-05-08

**Written Submission from the
Women in Nuclear (WiN)
Canada**

**Mémoire de
Women in Nuclear (WiN)
Canada**

In the matter of the

À l'égard d'

Ontario Power Generation Inc.

Application to renew power reactor
operating licence for the Darlington
Nuclear Generating Station

Ontario Power Generation Inc.

Demande concernant le renouvellement
du permis d'exploitation d'un réacteur de
puissance pour la centrale nucléaire de
Darlington

**Commission Public Hearing
Part-2**

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

June 24-26, 2025

24-26 juin 2025



CD# NK38-CORR-00531-25450 P

Application for Renewal of the Darlington Nuclear Generating Station Power Reactor Operating Licence



Women in Nuclear Canada, established in 2004, represents over >6400 women and men across Canada. WiN-Canada goals are:

- To develop a dialogue with the public and with other women, to promote awareness around the factual contribution to people and society from nuclear technologies.
- To contribute to knowledge and experience exchange among members and chapters.
- To promote career interest in nuclear engineering, science, technology, the trades, and other nuclear-related professions, especially among women and young people. In our industry, made up of a little less than 20 percent women, our organization works to showcase the vital contribution women are making as leaders in the nuclear industry.

WiN-Canada believes that knowledge exchange between our members about all aspects of the industry provides them with the information necessary to help educate our family, friends and their communities. Women are strong opinion leaders in our country. Because of its efforts to promote the careers of women, WiN-Canada has become a strong, credible voice in the nuclear industry. It is important for our voice to be heard, including our support of all aspects of the nuclear industry, including renewal of OPGs request for renewal of Darlington NGS Power Reactor Operating Licence.

Supporting OPGs request for renewal of DNGS PROL

OPG is applying to the Canadian Nuclear Safety Commission (CNSC) for renewal of the Darlington NGS Power Reactor Operating Licence (PROL) 13.03/2025 which expires on November 30, 2025. OPG is requesting a 30-year licence term of the Darlington NGS PROL from December 1, 2025 to November 30, 2055. This licence renewal application has been prepared in accordance with the requirements of the Nuclear Safety and Control Act (NSCA) and its associated Regulations. Licence renewal includes the Darlington NGS Tritium Removal Facility (TRF). The TRF has removed over 157 million Curies ($5.8e+18$ Bq) of reactor heavy water tritium from these facilities since 2015.

During the current licence term, Darlington NGS continued to demonstrate strong safety performance. OPG has received the Electricity Canada President's Award of Excellence for Employee Safety –



Generation, 9 times in the last 10 years. The award recognizes OPG's achievement of being in the top quartile for both total recordable injury frequency and lost time injury severity rates.

OPG plans to utilize Darlington NGS reactors to support the commercial production of medical and industrial isotopes, such as Cobalt-60 (Co-60), Molybdenum-99 (Mo-99) and Yttrium-90 (Y90)

WiN reviewed the documents and supports the approval of the licence renewal application, since nuclear power will contribute to achieving NetZero goals.

Equity, Diversity and Inclusion

OPG sets example as a leader in the Nuclear Industry, in its path towards Net Zero.

OPG launched a 10-year Equity, Diversity, and Inclusion (ED&I) strategy to guide the journey towards ED&I excellence. In March 2023, OPG was named one of Canada's Best Diversity Employers. Half of OPG's executive leadership is comprised of individuals belonging to designated groups, including women and racialized people.

WiN Canada partnered with Canadian Equality Consulting to launch the Gender Equity Badge Accreditation program. This initiative recognizes organizations that advance equity, diversity, and inclusion in their workplaces.

After reviewing the documents, it appears that the organization aligns with values related to equity, diversity, and inclusion. Hence WiN supports approval of licence application.

Climate Change

In 2020, OPG introduced a new climate change plan to create a cleaner environment to help tackle climate change, with the goal of becoming a net-zero carbon company by 2040 and helping the markets that OPG operates in achieve net-zero carbon economies by 2050. The guiding principle of this climate change plan is to be the catalyst that enables the transformation to clean economies, doing this in the most efficient and responsible way possible and respecting the best interests of the community. Currently, Ontario's electricity sector accounts for just 2% of the province's total greenhouse gas emissions.

Under the Climate Change Plan, OPG has provisions in place to be a net-zero company by 2040. OPG will continue to be a climate leader by investing in and implementing CO2 reductions and offsets to achieve net-zero carbon emissions by 2040. The Darlington NGS plays a significant role in our climate change



plans via the Refurbishment Project, currently underway, and the investment in the plan for new SMRs at the Darlington NGS site.

The submission documents were assessed based on WiN's mission, member interests, and Canadians' interests. Abaca polls indicate 62% of Canadians are worried about climate change. WiN supports this application because nuclear power aids the global transition to clean energy to combat climate change.

Indigenous Relations

OPG is committed to building mutually beneficial working relationships with Indigenous communities near its current and future operations. These relationships are built on a foundation of respect for the culture, customs, and rights of Indigenous peoples.

OPG meets regularly with Indigenous community representatives and members to share information, discuss development initiatives, and review planned project activities.

OPG acknowledges the Aboriginal and/or Treaty rights of Indigenous Nations and communities as recognized in the Constitution Act, 1982 and regularly undertakes engagement with Indigenous Nations and communities with established Aboriginal and/or Treaty rights proximate to the site. OPG also engages with Indigenous Nations and communities that express interest in its sites and operations.

WiN-Canada members are skilled workers who contribute to the nuclear sector. They work in this field because it provides safe technology and carbon-free, baseload electricity to Ontario. It is important to all of us that when we leave for work in the morning, we know that we will return safely at the end of the day and that our families and friends who live in our communities will be safe every day. WiN-Canada supports the renewal of the Darlington NGS Power Operating Licence based on our daily interactions with the nuclear industry, our confidence in OPG employees and contractors, and their established history of safe operation.

