



**Written submission from
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.

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 8, 2024

8 janvier 2024



14 November, 2024

Canadian Nuclear Safety Commission (CNSC)

Senior Tribunal Officer, Commission Registry
280 Slater Street
PO Box 1046 Stn B
Ottawa, ON K1P 5S9

Subject: Unwavering Support from WiN-Canada for Ontario Power Generation's Licence to Construct BWRX-300 at the Darlington Nuclear Site (Reference: 2025-H-03)

Dear Senior Tribunal Officer,

Women in Nuclear (WiN) Canada, established in 2004, represents a robust network of over 6,000 members across the country. Our organization is dedicated to:

- Leading conversations with the public and women to champion the tangible and positive impacts of nuclear technology.
- Facilitating unparalleled knowledge sharing among our members and chapters to strengthen collective expertise.
- Inspiring and guiding women and young people into careers within nuclear engineering, science, technology, and related fields to foster a more diverse and innovative workforce.

As an advocate for women's leadership in an industry where they comprise less than 20% of the workforce, WiN-Canada's voice is not only influential but essential. We stand as a beacon of credibility and commitment to advancing the nuclear sector. Today, we unequivocally express our strong support for Ontario Power Generation's (OPG) Licence to Construct a BWRX-300 reactor at the Darlington site.

A Necessary Step for Climate Action and Sustainable Energy

OPG's leadership in climate action is commendable, reflected in its strategic aim to become a net-zero carbon company by 2040 and to assist in achieving net-zero economies by 2050.





Ontario's electricity sector currently contributes a mere 2% to the province's total greenhouse gas emissions, a testament to its progressive policies. The planned construction of up to four BWRX-300 units at Darlington, adding 1,200 MW of clean energy to the grid, represents a pivotal step forward in solidifying Ontario's role as a leader in sustainable energy. This move is not just beneficial—it is imperative for ensuring a resilient, low-carbon future.

Proven Safety and Technological Excellence

The BWRX-300, a product of rigorous evaluation and global operational insights, sets a new benchmark for safe, efficient, and advanced nuclear technology. As a tenth-generation small modular reactor (SMR), it embodies the cumulative lessons of decades of BWR operations, offering enhanced safety and simplified construction and operation. OPG's distinguished record, including the successful Darlington Refurbishment Project, underscores their unmatched capability to deliver complex projects with excellence and safety at the forefront.

Commitment to Indigenous Partnerships and Community Trust

OPG's commitment to fostering meaningful, mutually beneficial relationships with Indigenous communities is a cornerstone of its project ethos. Through transparent, respectful dialogue and active collaboration on environmental performance, career development, and community initiatives, OPG sets a standard for responsible project development. Such inclusive practices resonate deeply with WiN-Canada's values, reinforcing the need for projects that uplift and respect all stakeholders.

Championing Women's Leadership and Skilled Workforce Expansion

WiN-Canada's support goes beyond words; it is grounded in the reality that our members, who are highly skilled professionals, contribute to and trust the industry they serve. The BWRX-300 project represents an opportunity to expand and diversify the workforce, empowering more women to step into roles of technical leadership and influence. It aligns with our mission to create pathways for women in STEM, fostering innovation through diversity. We stand resolute in advocating for this project as an essential investment in both clean energy and the future of a more inclusive industry.

Conclusion

WiN-Canada stands united in our firm support of OPG's application for the Licence to Construct the BWRX-300 reactor at the Darlington site. This project embodies the principles of sustainability, safety, and inclusivity—pillars that are critical not only to the future of the nuclear industry but to Canada's broader energy and environmental goals. We urge the Commission to



recognize and approve this transformative initiative, ensuring that Canada remains at the forefront of clean, reliable energy solutions.

Thank you for considering this expression of unwavering support. We trust that this vital project will receive the approval it deserves.

Yours sincerely,

A handwritten signature in blue ink, appearing to read "A. Khan", is written over a horizontal line.

Aiman Khan

President

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