

Neighbours

Spring 2025

Pickering • Darlington
Nuclear Generating Stations

ONTARIO
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Join us for March Break Fun

Looking for something fun to do this March Break?

Mark your calendars for fun, free, and educational activities at OPG's annual March Break Blitz! Whether you enjoy science, wildlife, or swimming and skating, OPG has an action-packed lineup of programs running from March 10 - 14 throughout the Durham Region.

The March Break program is one of the many opportunities you have to meet with OPG employees, discuss our operations and projects and to strengthen the valuable relationships and partnerships we have established in the communities we serve.

Scan the QR code or visit [opg.com/durham](https://www.opg.com/durham) to see where staff from OPG's nuclear stations will be next.



2024 OPG Sponsored Skate

Darlington Nuclear Relicensing

As part of the routine licensing process for a nuclear power station, last year, OPG submitted an application to the Canadian Nuclear Safety Commission (CNSC) to renew the DNGS Power Reactor Operating Licence. The application requests a 30-year licence renewal from Dec. 1, 2025 to Nov. 30, 2055.

The CNSC will hold a two-part public hearing on March 26 and June 24-26, 2025 to consider OPG's application. The application highlights Darlington's strong safety and operational performance and significant achievements during the current licence term. The station is recognized amongst the top-performing nuclear stations in the world with a strong track record of reliability and exceptional safety records.

Interested in participating? Here are some of the ways you can engage with us about relicensing, operations, and projects:



Aerial photo of Darlington Nuclear Generating Station

- Visit our website ([opg.com](https://www.opg.com))
- Attend a Public Information Session: virtual and in-person sessions will take place in March and April. Visit our website for more details.
- Stop in at our Public Information Centre: open Monday - Friday (9 a.m. - 3:30 p.m.)
- Give us a call: 905-623-7122/Toll Free: 1-800-461-0034
- Visit us at one of many upcoming community events across Durham Region ([opg.com/durham](https://www.opg.com/durham))

Safe and steady progress – the Darlington New Nuclear Project

Late last year under the current site preparation licence, site preparation activities were completed safely and on schedule in support of construction of the first of four planned Small Modular Reactors at the Darlington new nuclear site. In January of 2025, OPG, Rightsholders, stakeholders, and members of the public participated in Part 2 of the CNSC public hearing to consider OPG’s application for a Licence to Construct (LTC).

Over the course of five days, our team

heard from a broad range of stakeholders on topics including reactor design, safety, Indigenous relations, and public engagement. The Commission’s decision on issuance of the licence is anticipated this spring. If granted, construction activities would begin promptly and are expected to continue to the end of 2028.

For more information on the project, including the detailed timeline, visit opg.com/newnuclear.



Announcement by Minister of Energy

Powering Possibilities at Wesleyville

To help meet rapidly rising energy needs, forecasted to increase by 75 per cent over the next 25 years, the Ontario government has asked OPG to explore opportunities for new generation at its Wesleyville site.

The announcement by the Minister of Energy and Electrification Ontario, was made in January following a formal expression of interest from the Municipality of Port Hope and a willingness to enter discussions from the Williams Treaties First Nations (WTFNs).

The site has been zoned and maintained for future electrical generation for more than 50 years, and based on early assessments, has the potential to power the equivalent of 10 million homes with clean, non-emitting nuclear generation (based on up to 10,000 megawatts (MW)).

The potential benefits to local and surrounding communities are substantial; according to the Conference Board of Canada:

- New nuclear at Wesleyville is expected to support about 1,700 new jobs in Port Hope, representing on average a 15-20 per cent boost to local employment levels.
- Increased co-located industry, supply chain spending, and municipal property taxes from the station will drive economic growth. Over its lifespan the project will generate \$10.5 million in municipal tax revenues annually for Port Hope.
- The Wesleyville project will boost Port Hope’s GDP by \$65.7 billion and Ontario’s GDP by \$235.5 billion over its lifespan.

As an important first step, OPG is engaged in conversations with the Municipality, local Rightsholders, stakeholders, site neighbours, and surrounding communities to share information about the project and provide ongoing opportunities to connect with the OPG team.

More: opg.com/wesleyville



Darlington New Nuclear Project Timeline

- **JANUARY 2025**
 - CNSC Public Hearing Part 2 for Licence to Construct Application.
- **OCTOBER 2024**
 - CNSC Public Hearing Part 1 for Licence to Construct Application.
- **JUNE 2024**
 - CNSC announces two-part public hearing to consider OPG’s Licence to Construct Application (October 2024 and January 2025).
- **APRIL 2024**
 - CNSC confirms DNNP existing EA applicable to BWRX-300 technology.
- **FEBRUARY 2024**
 - Early Site Preparation work complete.
- **JANUARY 2024**
 - CNSC hearing for the Applicability of the DNNP Environmental Assessment and Plant Parameter Envelope to the BWRX-300 technology.
- **JULY 2023**
 - Provincial government directs OPG to initiate planning for three additional SMRs.
- **JANUARY 2023**
 - GE Hitachi Nuclear Energy, AtkinsRealis and Aecon partner with OPG to plan, construct and deploy DNNP SMR.
- **OCTOBER 2022**
 - Submission of Licence to Construct application to CNSC.
 - Site preparation activities begin.
 - Canada Infrastructure Bank commits \$970 million to helping finance DNNP.
- **MAY 2022**
 - CNSC approves OPG’s revised financial guarantee.
- **MARCH 2022**
 - E.S. Fox Ltd. Awarded contract for completion of site preparation activities.
- **2021**
 - GEH BWRX-300 SMR selected for deployment at Darlington site.
 - CNSC approves OPG’s application to renew Site Preparation Licence for 10-year period.
- **2020**
 - Planning resumes for future nuclear power generation at the DN site.
 - Submission of Site Preparation Licence renewal application to CNSC.
- **2013**
 - Provincial government requests deferral of nuclear construction, but directs existing licence be maintained.
- **2012**
 - CNSC issues 10-year Site Preparation Licence.
 - Federal government accepts recommendation of Joint Review Panel and environmental assessment.



Aerial photo of Pickering Nuclear Generating Station



Pickering NGS generates 10 per cent of the province's power



Pickering Nuclear produces vital isotopes that support healthcare and industry

Pickering Nuclear – Planning for the future

OPG closed a significant chapter when Pickering Nuclear’s Unit 4 was removed from service on Dec. 31, 2024.

per cent of Ontario’s electricity and will continue to play a key role in providing the reliable, affordable, and low-carbon

electricity the province needs for years to come.

The unit has safely and reliably generated energy for our communities for decades and will now be placed into safe storage. Throughout those years, thousands of workers have been dedicated to its strong performance and significant contributions to Durham Region.

This milestone means that Units 1 to 4 will now be prepared for decommissioning.

Units 5 to 8 will continue to operate to the end of 2026, and then be prepared for refurbishment, pending regulatory approval. These four units contribute 10

Did you know?

You might recall in Spring 2024, OPG placed barges on the lake to perform geotechnical assessments for Pickering Nuclear refurbishment planning. Up to four barges will return to the lake in March, located just south of the Pickering Nuclear Generating Station. There will also be up to three drill rigs on shore. This equipment will support continued geotechnical assessments for Pickering Refurbishment planning until approximately October 2025, weather dependent.



Meet the CEO

Nicolle Butcher was appointed OPG's President and Chief Executive Officer (CEO) in January 2025. Nicolle is a champion for Indigenous communities, companies, and businesses to achieve OPG's Reconciliation Action Plan commitments.

In 2021, Nicolle was named one of Canada's Top 100 Most Powerful Women and Woman of the Year by WIRE (Women in Renewable Energy) and APPRO (Association of Power Producers of Ontario). Nicolle holds an MBA from McGill University, is

a Chartered Business Valuator, and has earned an ICD.D designation from the Institute of Corporate Directors.

As she moves into her new role, Nicolle is committed to building on OPG's history of safe, on-time, and on-budget completion of key projects, including the Darlington Refurbishment and the development of Small Modular Reactors, furthering OPG's vision to electrify life in one generation.

Outside of work, Nicolle enjoys hiking and spending time with her family, including her two boys, and Jasper the Labradoodle.



Bring Back the Salmon

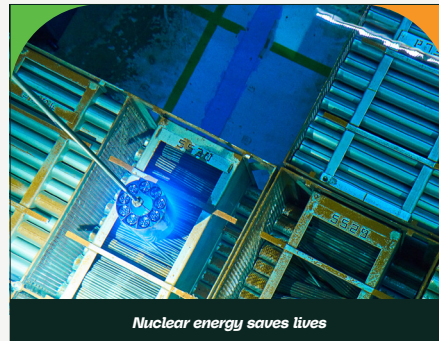
For nearly two decades, the Ontario Federation of Anglers and Hunters (OFAH) has worked to restore Atlantic Salmon to Lake Ontario through the Bring Back the Salmon program. This year, students from Dr. G.J. MacGillivray, in Courtice and Duffins Bay Elementary School in Ajax will join OPG, OFAH, Toronto Region Conservation Authority and Central Lake Ontario Conservation Authority to participate in this hands-on initiative, which educates students about the Atlantic Salmon's history in Ontario and restoration efforts.



Nuclear Isotopes

Scan the QR code to learn about how OPG produces medical-grade nuclear isotopes, supporting global healthcare by providing essential diagnostic and therapeutic treatments.

Link: opg.com/projects-services/projects/nuclear/nuclear-isotopes/



OPG employees help students explore the trades

OPG employees recently introduced 1,300 students to skilled trades through interactive workshops, promoting hands-on career exploration. Scan the QR code to learn more.

Link: opg.com/stories/opg-employees-join-forces-to-give-students-a-chance-to-try-the-trades/



Darlington Nuclear Information Centre

1855 Energy Drive
Courtice, Ontario L1E 0E7
Open Monday - Friday 9 a.m. to 3:30 p.m.
Visit www.opg.com/contact-us to reach out to us directly, or call us at (905) 623-7122.

Pickering Nuclear Information Centre

1675 Montgomery Park Rd
Pickering, Ontario L1V 2R5
Open Monday - Friday 9 a.m. to 3:30 p.m.
Visit www.opg.com/contact-us to reach out to us directly, or call us at (905) 837-7272.

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