

Neighbours

Pickering | Darlington
Nuclear Generating Stations

PowerON Tuesdays program a great success



Thank you to the many neighbours who enjoyed fun family activities as part of OPG's adapted yearly Tuesdays on the Trail program, PowerON Tuesdays.

OPG collaborated with community partners to offer a curbside pick-up program in Pickering and Clarington where we provided more than 2,100 free 'power pack' science, environment or education-based activity kits to local families. Thank you to the many community partners that participated during this challenging year; Clarington Public Library, Girls Inc., A Gift of Art, Scientists in School, Toronto and Region Conservation Authority, Centre Lake Ontario Conservation Authority, Valleys 2000 and the Ontario Turtle Conservation Authority.

Through the generosity of the hundreds of families who participated in the program, donations were made to St. Paul's on the Hill and Clarington East Food Bank – these donations go a long way in supporting those in need in our communities.

Pickering and Darlington recognized for biodiversity efforts



The Pickering and Darlington Nuclear Generating Stations have earned Gold-level Certification from the Wildlife Habitat Council (WHC), in recognition of OPG's strong focus on sustainability and biodiversity efforts. The WHC certifies conservation programs on corporate lands around the world and promotes environmental management through various partnerships and educational programs.

Thank you to the many local schools, organizations and community members who continue to work alongside OPG as we work to protect and nurture the diversity of species and habitats in our community. We look forward to seeing you at our Spring 2021 events!



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Province supports OPG's proposed plan to optimize Pickering end of commercial operations

OPG's updated plans for a phased approach to the end of commercial operations at Pickering Nuclear have earned support from the Province of Ontario. Pending regulatory approval by the Canadian Nuclear Safety Commission (CNSC) through a public hearing process, OPG would operate Pickering Units 1 and 4 to 2024 (as planned under the current licence) and Units 5-8 operating to 2025.

"Our extensive analysis has shown that we can safely and reliably operate Pickering until the end of 2025 and provide a solid benefit to the ratepayer," said Ken Hartwick, OPG President and CEO. "I want to recognize every one of the Pickering staff for their commitment to safety and for their role in improving performance year over year. The station's performance is better than ever and Ontario electricity users will continue to benefit from clean and stable baseload power for several more years."

OPG requires approval from the CNSC for its revised schedule. The final decision regarding the safe operating life of the Pickering site will be made by the CNSC, which employs a rigorous and transparent process, including public hearings for decisions on licensing of major nuclear facilities.

OPG submits application to renew licence for Darlington New Nuclear



To ensure that that reliable, low carbon nuclear energy will remain a key part of Ontario's low-emission energy mix, OPG has submitted an application to the CNSC for a renewal of the Site Preparation Licence for new nuclear generation at Darlington. OPG will undertake activities to prepare the site for future construction of new nuclear generation at Darlington.

The Site Preparation Licence was obtained following the completion of comprehensive environmental impact studies and an extensive public hearing conducted by a Joint Review Panel of the CNSC and the Canadian Environmental Assessment Agency. This initial licence forms part of a series of licences that would be required for additional nuclear generation at Darlington, and allows OPG to prepare the site for future construction activities.

With the application submitted, the CNSC will determine the timing and process for review. To learn more about the application, please visit www.opg.com/newnuclear.

Refurbishment of Darlington Nuclear's Unit 3 now underway

Since the start of execution on the Darlington Refurbishment project nearly four years ago, OPG and its project partners have reached several significant milestones, culminating with the successful reconstruction of the Unit 2 reactor and its return to commercial service this past spring.

Now, the project team is ready to build on its success, starting with defuelling Unit 3, the second reactor scheduled for refurbishment. Defuelling involves the remote-controlled removal of 6,240 fuel bundles from the reactor over the course of 90 days. Workers will place these bundles inside water-filled fuel bays for up to 10 years of safe storage. Once the bundles have

been removed, the team will drain heavy water from the unit's reactor systems.

The four-unit Darlington Refurbishment project is on track for completion by late 2026.



Keeping the lights on for Ontario



In the midst of a global pandemic, OPG continued to provide clean, safe, reliable power to help keep the lights on for Ontario's homes, health-care facilities, and businesses. In fact, Darlington's Unit 1 set a new world record on Sept. 15 for continuous operation of a nuclear power reactor with 963 continuous days and counting of producing electricity. Pickering's Unit 4 also reached its longest-ever operating streak at 730 days on Aug. 10 – a significant accomplishment in the unit's 47-year history. This performance speaks to the continued investments we're making in our nuclear fleet and demonstrates the collective drive, dedication and nuclear expertise of OPG's workforce.

Throughout the pandemic, OPG employees have continued to safely carry out their essential work at sites across the province. Operators, technicians, and trades continue to ensure our units are generating power safely and reliably; nuclear and dam safety workers are protecting the community and our operations; hygiene advisors are working to assess employees' health; and our security teams, emergency response personnel, and cleaning staff are continuing to keep our sites safe.

In addition, OPG continued to show support for our local communities during this challenging time. We donated one million masks and 17,500 Tykvek suits to frontline workers (including more than 9,000 masks sewn by our employees), provided 10,000 face shields to Indigenous communities, and donated over \$900,000 to local food banks, including \$150,000 to Feed the Need in Durham.

As we forge ahead, OPG will continue to fulfill its role as an essential service to help lead Ontario toward a brighter tomorrow.



OPG launching Centre for Canadian Nuclear Sustainability



OPG is launching the Centre for Canadian Nuclear Sustainability in Pickering, a world class facility that will attract skilled jobs, innovative businesses and economic development to the Durham region and advance solutions for minimizing nuclear materials and recycling clean materials as Pickering Nuclear Station moves towards ceasing commercial operations.

The Centre will operate as a hub to bring together industry partners, local communities, local businesses, academia and global entities to discover research, development and export opportunities for innovative nuclear energy solutions. It will also leverage and coordinate Ontario's vast talents and competencies to make Canada a world leader in nuclear decommissioning and advance solutions for nuclear materials.

"The City of Pickering has valued OPG's safe and reliable operations in our community for many years," said

Deputy Mayor Kevin Ashe, City of Pickering. "Now, as they launch the Centre for Canadian Nuclear Sustainability, we look forward to working together to attract new suppliers and business to the City and find new opportunities for economic development."

A 30-year Durham resident, Carla Carmichael will lead the Centre. She came to the nuclear industry in 2009 with years of prior experience in various industries. With Chartered Professional Accountant and Masters of Business Administration designations, Carla has served as Vice President on OPG's Darlington Refurbishment Project, Nuclear Finance and its isotopes business. Beyond her core responsibilities, she has distinguished herself as an effective advocate working to empower women in the workplace. Her combined background in finance and projects, her work with the supplier community and her leadership in key areas of the CANDU business will bring valuable perspectives to the Centre.

Pickering Nuclear welcomes new Senior Vice President



Jon Franke
Senior Vice President,
Pickering Nuclear

OPG is pleased to welcome Jon Franke to the role of Senior Vice President (SVP), Pickering Nuclear. Jon has held the role of SVP, Nuclear Fleet Operations since joining OPG earlier this year, providing oversight of OPG's nuclear fleet operations and maintenance, nuclear regulatory affairs and stakeholder relations, security, emergency services and training divisions. Jon is a seasoned energy executive with deep experience in nuclear safety, engineering, and decommissioning.

Prior to joining OPG, Jon held a variety of senior roles in the industry, including SVP at two different nuclear utilities. He has extensive experience in plant operations, engineering, construction, project management and decommissioning. As a forward-looking leader with strong communication skills, Jon will lead Pickering's continued strong nuclear and safety performance as the station continues its drive to excellence.



Come and meet the League of Trees, a team of superheroes who are working hard to prevent and protect us all from the impacts of a changing climate. Walk through comic book inspired interpretive signage and listen to the audio tour to learn more about the League's incredible superpowers for a fun and educational experience the whole family will love. You won't be-leaf your eyes or ears! **Snap a photo and share using #LeagueofTrees. For each share, we'll plant a tree and grow the League.**

Where: Darlington Waterfront Trail
When: October 10th – 25th

Upcoming test of emergency alert systems

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Durham Region and the Province of Ontario will be testing their public alerting systems:

Nov. 23 – If you live within 10 km of a nuclear generating station and have a landline phone, you will receive an automated phone call.

Nov. 24 – If you are outdoors and within 3 km of a nuclear generating station, you will hear sirens sound for one minute.

Nov. 25 – If you have a cell phone, you will receive an Alert Ready message from the Province.

Test alerts will occur during the day and demonstrate what it will look like and sound like in an emergency. Learn more at www.durham.ca/nuclearpreparedness.

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