

# NEIGHBOURS

PICKERING NUCLEAR • DARLINGTON NUCLEAR



FALL 2018



## That's a Wrap – Tuesdays on the Trail

Pickering and Darlington Nuclear have wrapped up another successful summer of Tuesdays on the Trail programs. Hundreds of smiling and engaged local youth attended the educational and free programs in the beautiful settings of Alex Robertson Park and along a portion of the Darlington Waterfront Trail.

OPG holds these programs in collaboration with our community partners, who this year included the Toronto and Region Conservation Authority, Ontario BioBlitz, WindReach Farm, Driftwood Theatre, Scientists in School, Kim Wheatley, Clarington Public Library, A Gift of Art, All Our Relations Métis Drum Circle, Clarington Museums, Soper Creek Wildlife Rescue and Central Lake Ontario Conservation Authority.

Thanks to the hundreds of children and their families who joined us throughout the summer. It was wonderful to see so many returning families and meet new ones too – we hope to see you on the trail next year! ■



This year, over 1000 community members participated in Darlington and Pickering Tuesdays on the Trail programs for fun, free educational programs focused on Science, Technology, Art and the Environment.

## Pickering Nuclear Receives 10-Year Licence Renewal

OPG has received a 10-year operating licence for the Pickering Nuclear Generating station. The Canadian Nuclear Safety Commission (CNSC) issued its decision on Aug. 8 after two public hearings in April and June.

This new licence is valid until Dec. 31, 2028, allowing for commercial operations until the end of 2024 followed by safe storage activities, such as the removal of fuel and water from the reactors, between 2024 and 2028.

“OPG is very pleased with the CNSC’s decision, which will save Ontario’s electricity customers up to \$600 million and preserve up to 7,500 jobs across Ontario,” said Jeff Lyash, OPG’s President and CEO. “This decision reflects our continued investment in Pickering to improve its already strong performance, and the dedication of our staff to nuclear safety and ensuring safe and reliable operations to 2024.” ■

NEW INDIGENOUS  
DISPLAY

FALL PUBLIC ALERTING  
TESTING PROGRAM

UNIT 2 REACTOR  
REBUILD UNDERWAY

DARLINGTON OPEN HOUSE  
REFURBISHMENT

**ONTARIO**POWER  
GENERATION



# PICKERING NUCLEAR

## PROUD TO POWER ONTARIO

**ONTARIO****POWER**  
GENERATION

## Quick Facts:

- Continued safe operations of Pickering Nuclear will help to secure a reliable and efficient supply of low cost, baseload electricity.
- For three years in a row, Pickering Nuclear has been awarded the highest possible safety rating from the federal regulator Canadian Nuclear Safety Commission.
- OPG has continually invested in the station to keep the units running efficiently.
- Operating Pickering until 2024 will avoid carbon emissions comparable to taking 3.4 million cars off the road.
- Continued Pickering operations will contribute \$12.3 billion to Ontario's GDP.

## New Display at the Darlington Information Centre celebrates Indigenous Culture



Display Committee for new Indigenous display at the Darlington Nuclear Information Centre located in the Darlington Energy Complex.

This past June at Darlington Nuclear, OPG unveiled a new First Nations display along with three Ojibway sculptures to celebrate local Indigenous culture and the environment.

OPG collaborated with members of the four Mississauga communities of the Williams Treaties First Nations – Scugog Island, Alderville, Hiawatha and Curve Lake – to develop a unique educational public exhibit.

The display, located at the Darlington Nuclear Information Centre, celebrates the history, culture and traditions of the Mississauga people. Darlington Nuclear is located in the traditional territory of what is known collectively as the Mississauga Anishnawbeg.

Several traditional artifacts were donated by members of the First Nations for the display, including an example of porcupine quillwork, a pair of ricing sticks, and a black ash basket.

In addition to the new display, three wood sculptures crafted by local Hiawatha artist Jody Paudash were installed along the Darlington Waterfront Trail. Each sculpture features two local animals – heron and beaver, osprey and fish, and owl and turtle. ■



## Fall Public Alerting Testing Program

The Regional Municipality of Durham will be carrying out the regular fall testing of the public alerting system in Pickering and Clarington on Monday, Oct. 29 and Tuesday, Oct. 30.

The Public Alerting System consists of two components

- outdoor sirens installed within three kilometres of the nuclear generating stations, and an automated emergency telephone dialing system for indoor notification within the 10-km area around Darlington and Pickering Nuclear.

Households and businesses within the 10-km area will receive the indoor notification during regular business hours on Monday, Oct. 29. Outdoor sirens will be tested on Tuesday, Oct. 30 for up to one minute.

For more information on public alerting, please visit the Region of Durham website at [www.durham.ca/demo](http://www.durham.ca/demo).

For more information on OPG's defence-in-depth systems, emergency preparedness and Potassium Iodide (KI) pill distribution around Darlington and Pickering Nuclear, please visit [opg.com/about/safety/emergency-preparedness/Documents/NuclearSafetyBrochure.pdf](http://opg.com/about/safety/emergency-preparedness/Documents/NuclearSafetyBrochure.pdf), or drop by the Darlington or Pickering Nuclear Information Centres (open daily Mondays-Fridays) for a visit. ■



## OPG Submits Status Report on New Nuclear Site Preparation Licence

OPG has submitted a mid-term status report to the Canadian Nuclear Safety Commission (CNSC) on the Darlington New Nuclear Project (DNNP) site preparation licence, which was granted by the CNSC in 2012.

Since 2012, OPG has maintained a nuclear power reactor site preparation licence for the Darlington lands. The licence was granted following an extensive public hearing process, which was led by a joint review panel of the CNSC and Canadian Environmental Assessment Agency (CEAA).

In 2006, the Government of Ontario directed OPG to initiate the federal approvals process for new nuclear units in Ontario. In 2013, the project was deferred, however, OPG was instructed to maintain the licence.

Since then, OPG's efforts have focused on the collection of information to assist the site specific design activities that would be performed prior to site preparation, upon direction from the provincial government to resume project activities.

The report will be reviewed at the CNSC's December meeting. To read a copy of the report, visit [opg.com](http://opg.com). ■

## Unit 2 Reactor Rebuild Underway

Nearly two years have passed since OPG and our project partners began the execution phase on the Darlington Refurbishment. And now, after safely disassembling Unit 2, the first of four reactors scheduled for refurbishment at Darlington Nuclear, work has begun on rebuilding the unit, component by component.

"We're now past the half-way mark on our Unit 2 refurbishment schedule," said Dietmar Reiner, Senior Vice President, Nuclear Projects. "We've started rebuilding the unit with new and refurbished components, all of which are being cleaned and inspected prior to installation."

While refurbishment on Unit 2 progresses, planning and preparations for the Unit 3 overhaul are underway. Nu-Tech Precision Metals, a metal extrusion company located in Arncliffe, Ont., has completed production of all 480 pressure tubes for Unit 3, and has already started shipping them to Darlington Nuclear.

Refurbishment of Unit 2 is scheduled for completion in 2020, with all four units at the Darlington Nuclear refurbished by 2026. ■



Calandria tubes being inspected at the Darlington Energy Complex.

# Did you Know?

In addition to [opg.com](http://opg.com), you can learn about all things nuclear on several industry websites:

- Canadian Nuclear Association (CNA) - [www.cna.ca](http://www.cna.ca).
- Canadian Nuclear Safety Commission (CNSC) - [www.cnsccsn.gc.ca](http://www.cnsccsn.gc.ca).
- Nuclear Energy Institute (NEI) - [www.nei.org](http://www.nei.org).

Get info on economics, safety and emergency preparedness, the facts on radiation and the environment; and, learn about the exciting innovations that are moving the nuclear industry forward.

You can also download the CNA app to have nuclear facts right at your fingertips.



DOWNLOAD THE **NEW** CNA KEY MESSAGES MOBILE APP



Join us  
at the 2018

## Darlington Refurbishment open house

**Saturday, October 27, 2018**

10:00 a.m. – 4:00 p.m.

Darlington Energy Complex

1855 Energy Drive,  
Courtice, ON L1E 0E7

[opg.com](http://opg.com)

#DarlingtonRefurb



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**Darlington Nuclear**  
P.O. Box 4000  
Bowmanville, Ontario L1C 3Z8

**Contact:** (905) 623-7122

**Internet E-mail:**  
[darlingtonnuclear@opg.com](mailto:darlingtonnuclear@opg.com)

**Pickering Nuclear**  
1675 Montgomery Park Rd.,  
P.O. Box 160  
Pickering, Ontario L1V 2R5

**Contact:** (905) 837-7272

**Internet E-mail:**  
[pickeringnuclear@opg.com](mailto:pickeringnuclear@opg.com)

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