

Exploring New Nuclear in Port Hope

Northumberland County Council
June 17, 2026

New Nuclear at Wesleyville in Port Hope *Background*

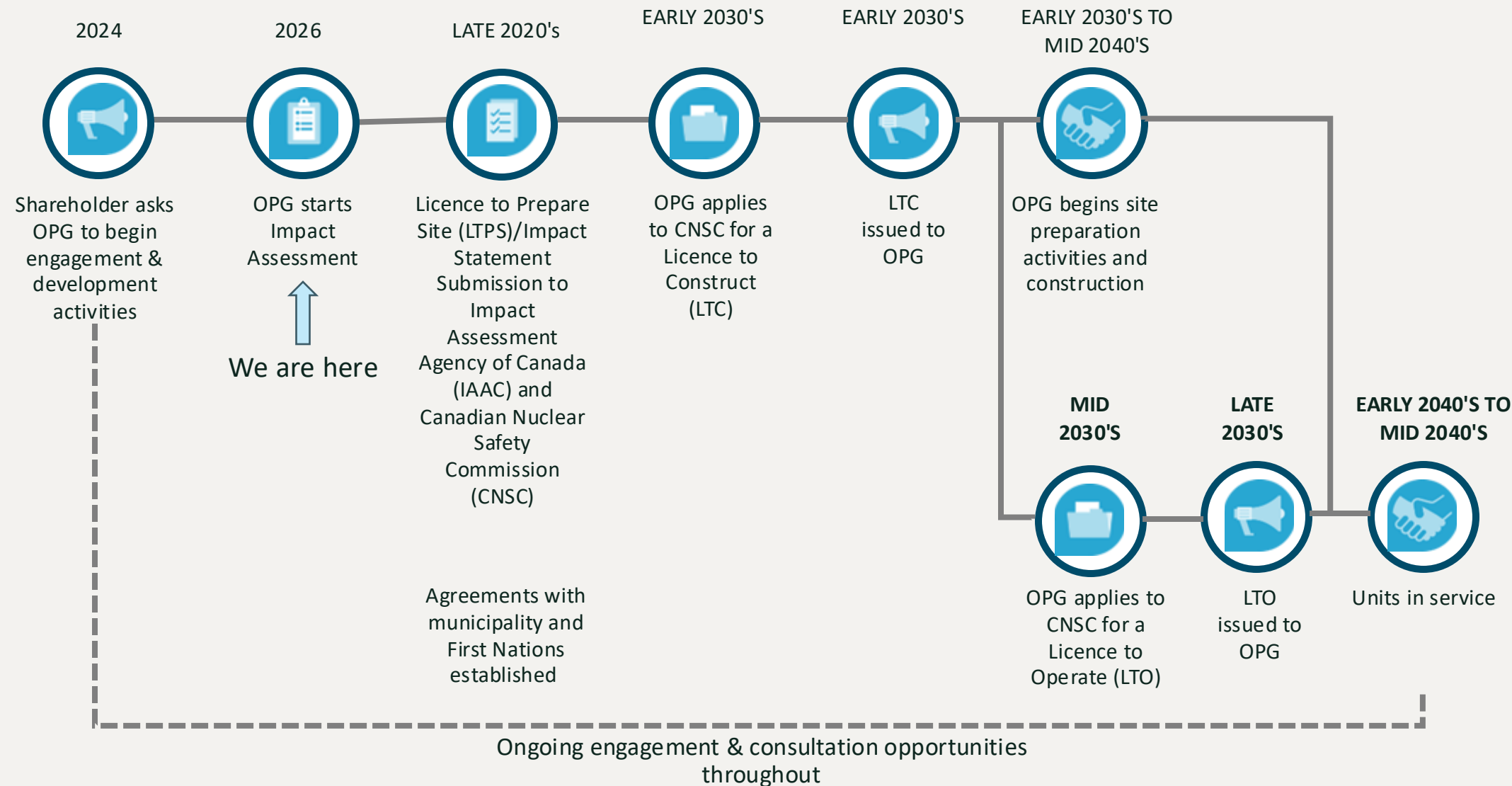
Ontario's Independent Electricity System Operator (IESO) has forecasted electricity demand in the province could increase by 65% by 2050. That number jumps to 90% in a high-demand scenario.

To help meet the growing demand, the Ontario government has asked OPG to explore the potential of hosting nuclear power generation at its Wesleyville site.

OPG's 1,300-acre Wesleyville site is the *ideal site to host a large nuclear*.

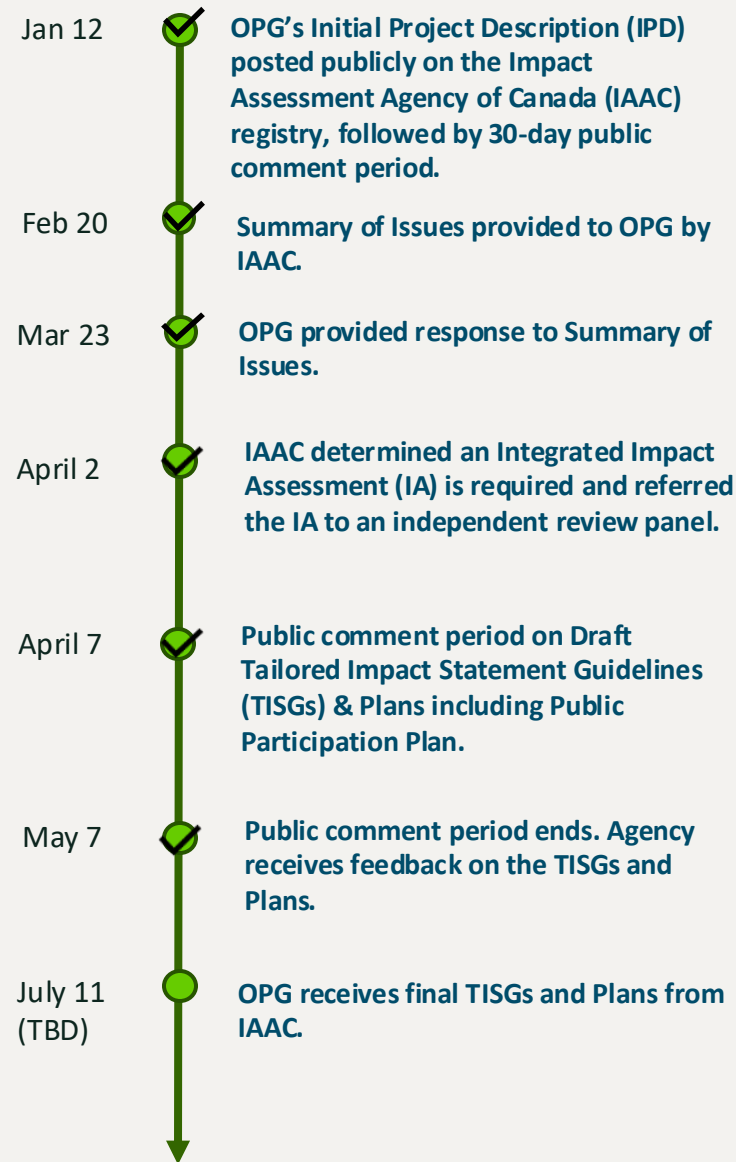
- Municipally zoned and maintained for electricity generation for more than 50 years.
- Potential to co-locate other industries.
- Existing access to transmission, railways and roads.
- Potential to host up to 10,000 MWe on the site - enough to supply electricity to 10 million homes.

Potential New Nuclear Roadmap



***this potential timeline is subject to change based on project planning and regulatory approvals**

Current Status of the IAAC-led Impact Assessment *Planning* Phase



Assessment Work *Underway*



Terrestrial Environment Studies (Ongoing)

- Vendor team continues to survey vegetation, birds, and terrestrial species.



Aquatic and Surface Water Assessments (Ongoing)

- Vendor team continues seasonal aquatic fieldwork across Lake Ontario, lagoon, and tributaries/wetlands—covering fish, benthos/plankton, sediment, and habitat.
- Vendor team continues to monitor installed equipment within Lake Ontario and on-site waterbodies.



Socio-economic Assessments (Ongoing)

- Near-site neighbour surveys.
- Public Attitude Research.



Archaeological Assessment (Ongoing)

- Pedestrian survey & test-pitting.
- Marine assessment.



Geotechnical & Hydrogeological Borehole Campaign (Ongoing)

- Boreholes/groundwater monitoring well installation, fieldwork expected to wrap-up by Q3 2026.

Public Engagement *Summary Highlights*

Since January, our team has engaged with more than 3500 members of the public, including near site neighbours.

Community Information Booths:

- Float Your Fanny Down the Ganny
- Agricultural Business Forum
- Recreation centers (skates and swims)
- Port Hope Earth Day clean-up
- Port Hope High School Connect Community

Engagements, Presentations and Nuclear Discovery Centre visits:

- Project brochure delivered to all Northumberland residents in early May
- Virtual and in-person public information sessions in Port Hope and Cobourg in May
- Northumberland County Mayors & CAOs
- Municipality of Port Hope Council and staff
- Port Hope Chamber of Commerce
- Community groups including Willow Beach Field Naturalists and Northumberland Land trust
- Class visits
- Near site neighbour door-knocking and drop-in sessions
- Port Hope Probus & Rotary, Northumberland Sunrise Rotary, Cobourg Rotary



In the Community

- Project booths throughout the spring and summer including:
 - Sponsored swims and skates
 - Northumberland Scottish Festival
 - Port Hope Arts Festival
 - Cobourg Ribfest
 - Brighton Applefest
 - Campbellford Seymour Agricultural Fair
 - Port Hope Jazz Festival
- Port Hope Nuclear Discovery Centre at 115 Toronto Rd. - open Mon.-Fri. 9:00 a.m.- 3:30 p.m.
- Project email: wesleyville@opg.com
- Toll-free 1-800-461-0034



Regular updates to
opg.com/wesleyville

A composite image featuring a family of three (a man, a woman, and a young boy) walking on a wooden boardwalk. The man is on the left, wearing a dark sweater and light pants, holding the boy's hand. The woman is on the right, wearing a yellow sweater and orange pants, holding the boy's other hand. The boy is in the middle, wearing a yellow shirt and blue pants, with one leg raised. They are all smiling. In the background, there are large electrical transmission towers and power lines stretching across a hazy landscape. In the foreground, there are several glowing, wavy blue lines that appear to be energy or light trails. The overall tone is warm and positive, suggesting a connection between nature, family, and modern infrastructure.

Questions?