

Exploring *New Nuclear* in Port Hope

Port Hope Council Update
April 21, 2026

New Nuclear at Wesleyville in Port Hope *Background*

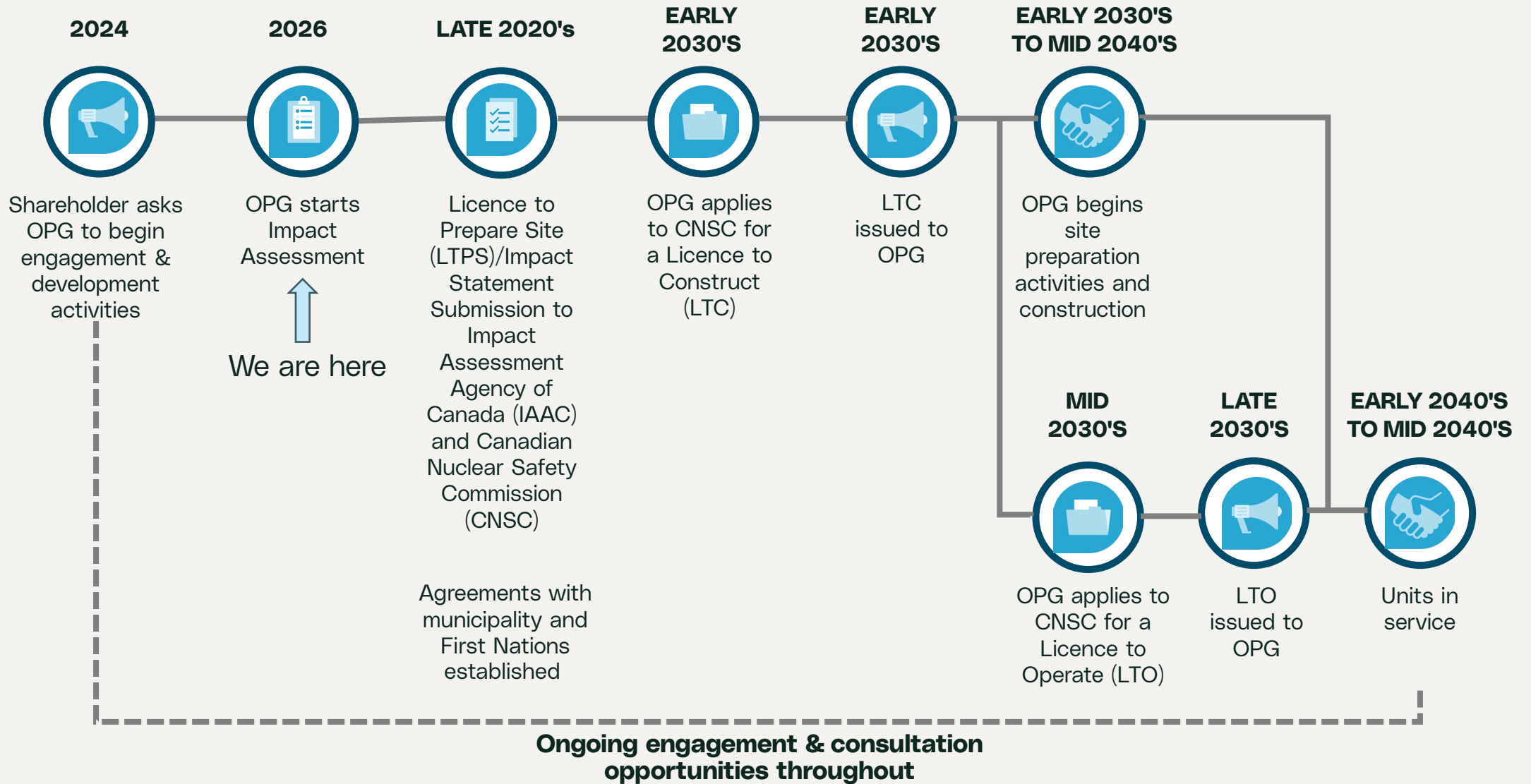
Ontario's Independent Electricity System Operator (IESO) has forecasted electricity demand in the province could increase by 65% by 2050.

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.

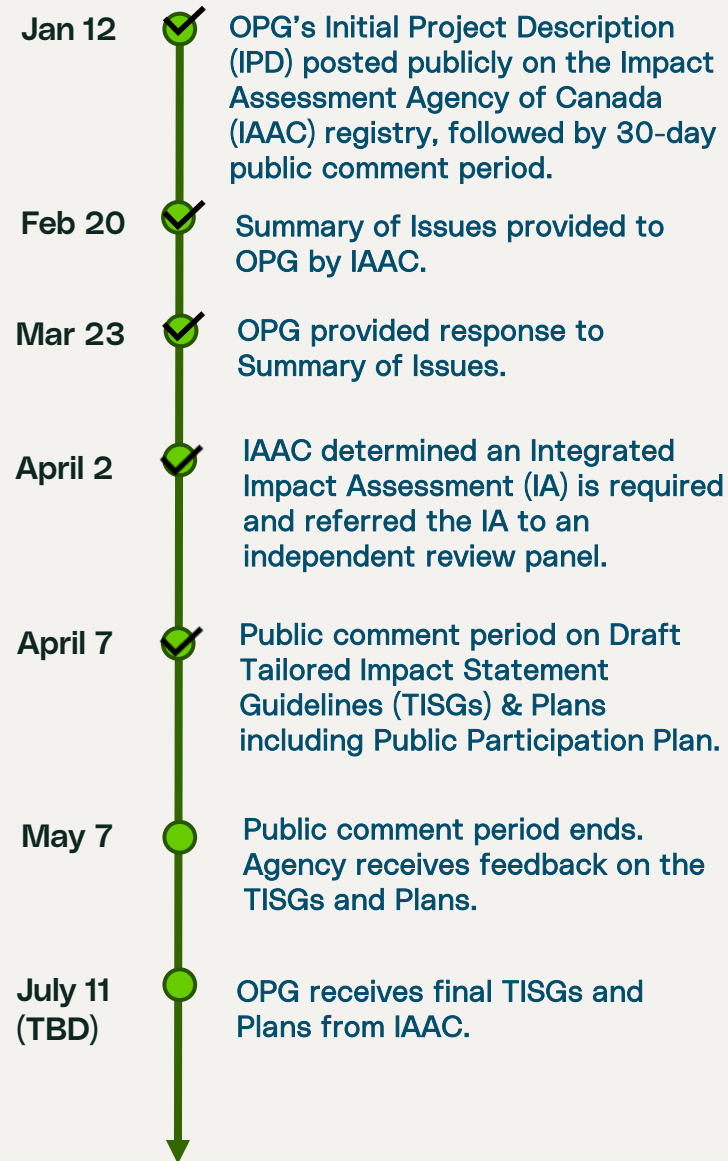
Potential New Nuclear Roadmap



**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



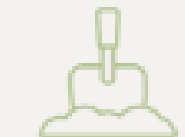
Socio-economic Assessments (Upcoming)

- 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 **3000** 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:

- Community members & neighbours
- Municipality of Port Hope and adjacent communities
- Port Hope Chamber of Commerce
- Local provincial and federal elected representatives
- Community groups including Willow Beach Field Naturalists and Northumberland Land trust
- Local schools
- Near site neighbour door-knocking and drop-in sessions
- Class visits, including Sir Sandford Fleming
- Port Hope Probus, Northumberland Sunrise Rotary, Port Hope Rotary



In the Community

- Upcoming public information sessions

Port Hope (In-person)
Wednesday, May 6
6:00–8:00 p.m.

Port Hope Lions Hall,
29 Thomas St., Port
Hope, ON

Cobourg (In-person)
Thursday, May 7
6:00–8:00 p.m.

Venture13 Lecture Hall
and Event Centre, 739
D'Arcy St., Cobourg, ON

Virtual

Tuesday, May 20

Afternoon session:

1:00–2:30 p.m.

Evening session:

6:00–7:30 p.m.

- Latest project brochure
- Project booths throughout the spring and summer including:
 - Sponsored swims and skates
 - Northumberland Scottish Festival
 - Port Hope Arts Festival
 - Port Hope Jazz Festival
 - Port Hope Canada Day
- 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

Questions?