

# Powering Possibilities In Port Hope

Exploring the Potential for ***New Nuclear Generation***



Powering  
**Possibilities**

# Proposed new nuclear generation *at Wesleyville*

Ontario's Independent Electricity System Operator (IESO) forecasts the province's demand for electricity will increase 75 per cent by 2050.

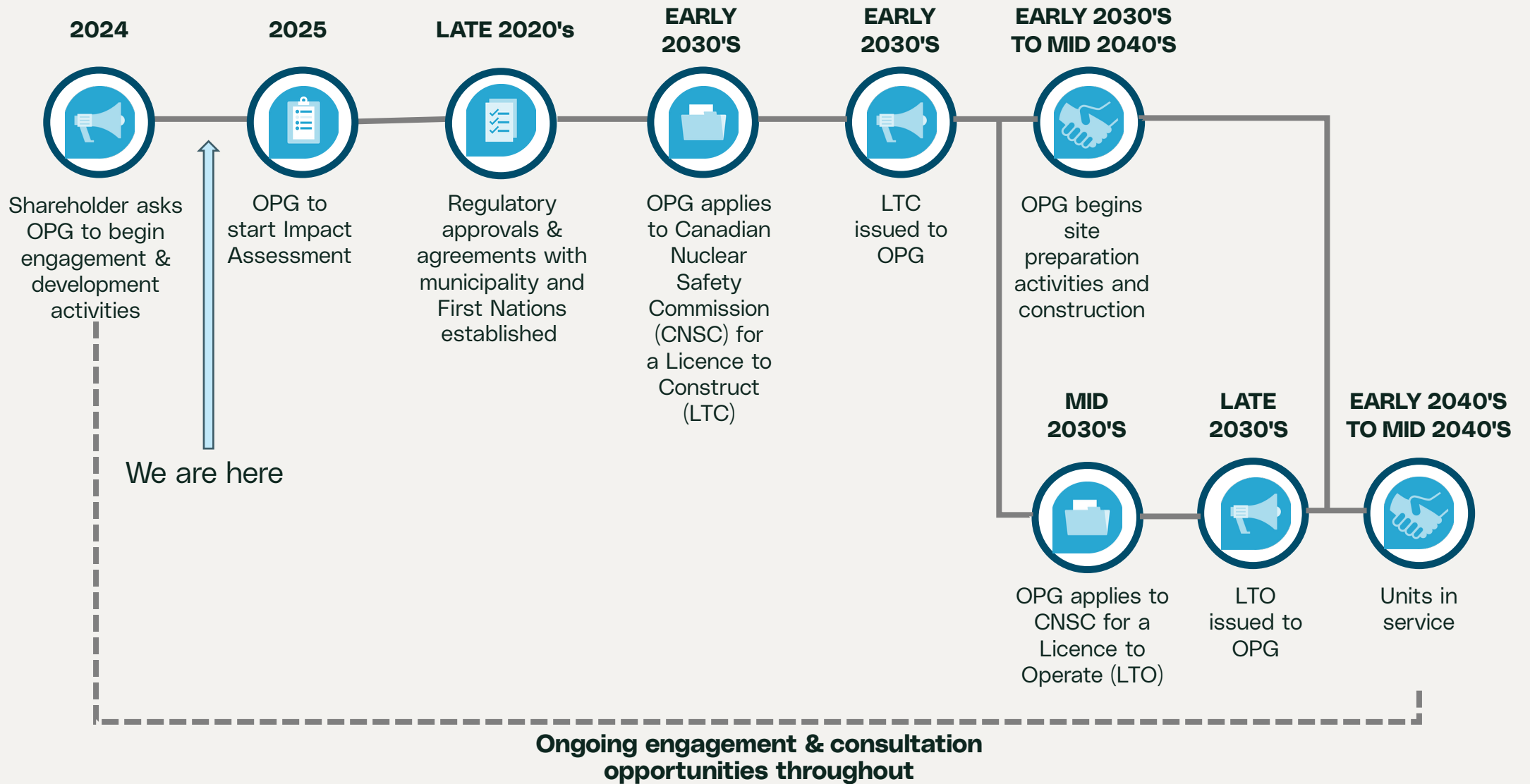
In late 2024, the Ontario government asked OPG to begin discussions with Indigenous, community and municipal leaders in Port Hope, to determine support.

Early engagement began following a formal expression of interest from the Municipality of Port Hope and a willingness to enter discussions from the Michi-Saagig First Nations of the Williams Treaties.

## **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.
- Sufficient exclusion zone and emergency planning considerations.
- Potential to host up to 10,000 MWe on the site- enough to power 10 million homes.

# Potential *new nuclear roadmap*



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

# Public Engagement *Summary*

Since **April 2025** OPG has engaged with thousands of people in Port Hope and surrounding communities.

## Community Information Booths:

- Float Your Fanny.
- Northumberland Scottish Festival and Highland Games.
- Port Hope Arts Festival.
- Port Hope Fall Fair.
- Recreation centers (skates and swims).

## Ongoing Engagement:

- Continued conversations with near-site neighbours.
- Stakeholder emails and letters.
- Digital and roadside advertising.
- Facility tours.
- Regular updates to [opg.com/wesleyville](http://opg.com/wesleyville).

## Engaging with:

- Community members & neighbours.
- Port Hope Mayor, CAO and staff.
- Port Hope Council.
- Port Hope Chamber of Commerce.
- Local provincial and federal elected representatives.
- Community groups.
- Conservation Authorities.
- Surrounding Municipalities.
- Local school boards.



Port Hope Arts Festival



Port Hope Council Tour



Port Hope Chamber of Commerce Tour



Port Hope Council Tour



Port Hope CAO and staff tour

# Examples of *What We've Heard*

*Q: What types of nuclear technology are being considered, and what are their safety, efficiency and environmental impacts? What is the timeline for technology selection and implementation?*

**A:** Over the next several years, detailed evaluations of a range of nuclear technologies will be conducted to select the most suitable technology using a criterion that includes safety, efficiency, environmental impact, and economics.



See a full list of frequently asked questions on our website.

# Examples of *What We've Heard*

*Q: Will there be an impact to surrounding properties or Lakeshore Road because of this project and how will the construction of new roads impact traffic patterns, noise levels, and local infrastructure?*

**A:** Initial assessments conducted by OPG will include an assessment of traffic, including the current conditions and use of roads that could be affected by future project activities. This assessment will consider access routes, traffic flow conditions including expected traffic volumes and resulting impacts (ie: noise) for each phase of the potential project (e.g., construction, operation). Traffic count surveys of the local area will be included in those assessments and are expected to start this year. The information gathered in this early assessment stage will be analyzed, and mitigation strategies determined, as required, through the impact assessment process that will take place over the next several years.



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# Examples of *What We've Heard*

*Q: What job opportunities will be created by the project, and how can community members apply for positions?*

**A:** According to the Conference Board of Canada's conceptual analysis, roughly 1,700 jobs will be supported during the design and construction phase and 1,600 during the operation and maintenance phase of the potential project; an average 15 to 20 per cent boost to overall local employment levels. Community members can apply for a variety of positions through our website, community office, and job fairs.



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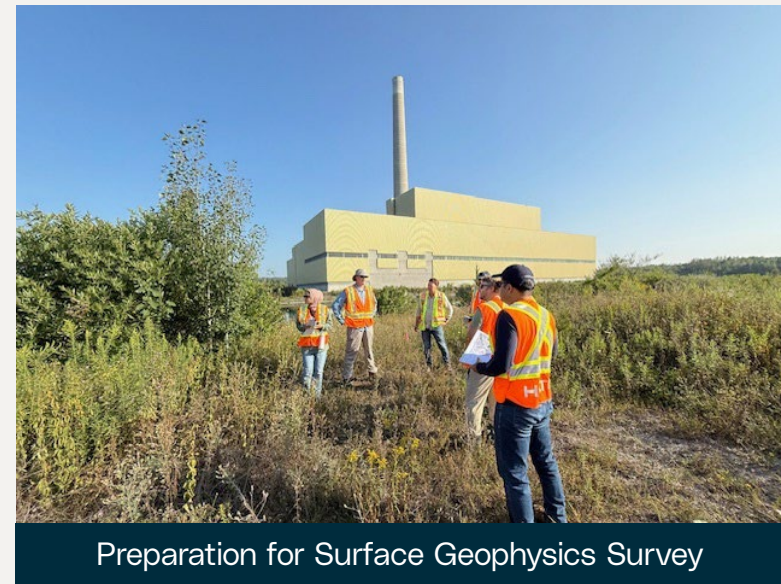
# Next Steps

## Submission of an Initial Project Description (IPD):

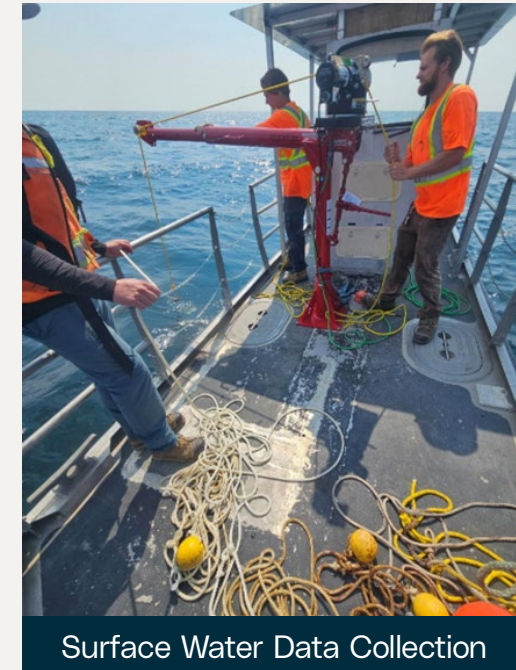
- IPD details the potential of hosting up to 10,000 megawatts of nuclear power generation at the Wesleyville site.
- Initiates a public review period.
- Based on the IPD and public comments, the Impact Assessment Agency of Canada considers the potential effects of the project.
- Initiates the Impact Assessment, which will study potential impacts.

## Impact Assessment Field Programs are in progress, including:

- Aquatic Environment.
- Meteorological Environment.
- Cultural Heritage and Archaeology.
- Terrestrial Environment.
- Surface Water.
- Hydrogeological and Geological.
- Socio-economic.
- Traffic and Transportation.



Preparation for Surface Geophysics Survey



Surface Water Data Collection

# Next Steps: Engagement

- Community Power Expo – September 20
- Port Hope Nuclear Discovery Centre (115 Toronto Road) planned fall opening featuring interactive educational elements, information on the potential project, and access to our staff to ask questions and provide feedback.



- Mailed brochure to all of Northumberland.
- Community events throughout the fall and winter, including information sessions, Electrifying Education and sponsored swims and skates.





*Questions?*

**OPG**

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