

CAC Community Engagement Discussion

Pickering Operations to 2026 and Pickering Units
5-8 Feasibility Study

Joint CAC Nov. 15, 2022

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Purpose

- We are coming to you today in this forum with the following objectives:
 - Discuss Pickering Operations to 2026 & Pickering Refurbishment Feasibility Study
 - Receive feedback
 - How best we can share and receive information



Pickering Nuclear Operations to the 2026

Background:

- ❑ The Province of Ontario is supporting a plan to remove units 5-8 from service in 2026.
- ❑ Under the proposed plan, OPG will shutdown Pickering's units 1 and 4 in 2024 and units 5 to 8 in 2026.
- ❑ The safe, sequential shutdown of all units will maximize the economic benefits of the generation station in the community.
- ❑ The plan requires approval from the CNSC.
- ❑ Community and Indigenous feedback is critical to ensure that the optimized plan will meet the needs of all stakeholders

Pickering Operations to 2026


- Identification of Incremental Scope supporting Optimization (Complete)
- Cost Benefit Analysis (Complete)
- Approval from Ontario Government (Complete)
- Periodic Safety Review (Addendum) (In Progress – 2022)
- Approval from CNSC (In Progress – 2023)
 - Formal application requesting extension to be submitted in 2022 (complete)
- Public Hearings in 2023 (TBC)

Regulatory Requirements


- Operation until December 31, 2024 is currently allowed in the Pickering licence
- Operation of Pickering Units 5-8 beyond that would require authorization from the Commission
- This involves an application from OPG and then the decision would be made by the Commission in the context of a separate public hearing during which Indigenous groups, members of the public and stakeholders would be able to intervene.
- A review of the current Pickering Periodic Safety Review (PSR) is one of the main deliverables required for continued operation.
- OPG will continue to engage with stakeholders and the community as the project progresses and more information becomes available
- The application will be posted on OPG.com when it is submitted.


Canada's Nuclear Regulator

Participant Funding Program
Funding Application Form

 PFP
Participant Funding
Program

Date: October 24, 2022
Form number: PFP 2022 DNNP-02

 Canadian Nuclear Safety Commission / Commission canadienne de sûreté nucléaire

Canada 

Pickering Units 5-8 Refurbishment Feasibility Study

Background:

- ❑ In September 2022, the Province of Ontario asked OPG to conduct a feasibility assessment on the potential for refurbishing Units 5 – 8.
- ❑ Over the next year, OPG will conduct a comprehensive technical examination and hope to submit a final recommendation to the Province by the end of 2023.
- ❑ The Pickering Refurbishment project was previously initiated in 2006. An approved Environmental Assessment (EA) was received for the project in 2009.
- ❑ Any decision about the station's refurbishment would be subject to considerable review and licensing application through the CNSC, consultation with our communities and endorsement of the Ministry.



Technical assessments of all major components



Environment and regulatory considerations



Material Availability (Supply chain)



Condition assessments of balance of plant components



Skilled workforce availability



Technical feasibility and scope



Compared to potential alternatives



Business and economic viability

What will the feasibility study consider?

Discussion

- ✓ Which factors are most important to you? And Why?
- ✓ Are there any things missing from the list that you would like information on or that you think OPG should be evaluating?
- ✓ What information does OPG need to provide to the public so that they can understand the considerations and provide meaningful feedback?

Questions?



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