



CMD 26-H7.28A

Date: 2026-09-17

Supplementary Information

Presentation from Kinectrics

In the matter of

Ontario Power Generation

Application to refurbish Pickering Nuclear
Generating Station and to renew licences
for the Pickering Nuclear Generating
Station and Waste Management Facility

Commission Public Hearing Part 2

October 6-9, 2026

Renseignements supplémentaires

Présentation de Kinectrics

À l'égard de

Ontario Power Generation

Demande concernant la réfection de la
centrale nucléaire de Pickering et le
renouvellement de ses permis pour la
centrale et l'installation de gestion des
déchets

Audience publique de la Commission Partie 2

6-9 octobre 2026



KINECTRICS

a **BWXT** company

Kinectrics' Support for Ontario Power Generation's Application to Refurbish the Pickering Nuclear Generating Station (PNGS) and to Renew the Licences for the PNGS and Pickering Waste Management Facility

**Intervention to the Canadian Nuclear Safety Commission Hearing
October 2026**

Yung Hoang – EVP, Nuclear Operations

Land Acknowledgement.



Kinectrics head office is located on the Treaty Lands and Territory of the **Mississaugas of the Credit First Nation** and the traditional territory of the **Haudenosaunee, Huron-Wendat, and Anishinaabe**.



Our Teeswater Laundry and Ontario Nuclear Services facilities are located within the **Saugeen Ojibway Nation**, the shared treaty and traditional territory of the **Chippewas of Saugeen** First Nation and **Chippewas of Nawash Unceded** First Nation (**Neyaashiinigmiing**).



Kinectrics performs work at our facilities in Pickering and alongside OPG at their facilities in Darlington, executed on the traditional territories of the **Williams Treaty First Nations**.



Listen to our pronunciation guide → 



Company Overview

Kinectrics is a trusted global provider of electricity lifecycle services

As part of the BWXT team, we deliver innovative solutions that help to sustainably power a clean energy future.



People

1300+ highly technical staff



Facilities

30+ unique laboratories



Services

70+ diverse services

70+ Complete range of services across:

- Research & Development
- Feasibility & Optioneering
- Design & Engineering
- Nuclear Safety & Licensing
- Project Management & Owners Engineering
- Operations, Maintenance & Commissioning
- T&D Field Services & Testing
- Medical Isotopes
- Lifecycle Management
- Materials & Nuclear Component Testing
- Forensic & Failure Analysis
- Chemistry & Assaying
- Waste Management & Decommissioning
- PPE Testing & Servicing

World Presence

We are a growing world-wide company backed by the brightest technical experts.



Statement of Support

Kinectrics shares Ontario Power Generation's (OPG) vision that continued operation of the PNGS and the PWMF for an additional 10 years will have many benefits, including reducing CO₂ emissions, extending the need for skilled jobs, and ensuring a stable supply of medical isotopes.

- OPG and Kinectrics staff have developed long-standing working relationships and we have observed the high level of attention to detail and rigor that OPG staff exercise.
- Kinectrics is supported by over 100 companies and consultants on our Approved Suppliers List. Combined with our suppliers, Kinectrics' support of OPG contributes to thousands of high-quality, long-term jobs.

Relevant Projects to the Continued Operation of the PNGS

- Currently completing a Periodic Safety Review (PSR) to support the life extension of PNGS Units 5 to 8, including the preparation of the PSR Basis Document, Safety Factor Reports, Global Assessment Report, and an Integrated Implementation Plan.
- Completed safety analysis to support design options related to the mitigation of containment overpressure during multi-unit Beyond Design Basis Accidents.
- Updated Probabilistic Safety Assessments (PSAs) to ensure PSA models accurately reflect the current design and operation of PNGS Units 5 to 8.
 - PNGS Units 5 to 8 PSAs were used to support risk-informed decision-making related to the identification of potential Safety Improvement Opportunities, design modifications, and Safe Storage configuration assessments of PNGS Units 1 and 4.

Relevant Projects to the Continued Operation of the PNGS

- Supported numerous PNGS design projects, including the following:
 - Conceptual and Preliminary Design for Pickering Refurbishment Balance of Plant Modification Definition Packages;
 - Isolation of Unit 1 and Unit 4 from the Negative Pressure Containment System (PNGS Units 1 to 4 Safe Storage);
 - Electrical Separation to ensure that post-refurbishment operation of PNGS Units 5 to 8 is independent of the Safe Storage configuration for Units 1 to 4;
 - Development of a new PNGS Units 1 to 4 Monitoring System;
 - PNGS Units 5 to 8 Digital Control Computer (DCC) Replacement

Relevant Projects to Continued Operation of the PWMF



- Completed Safety Assessments for the Pickering Component Storage Structure at the PWMF. These assessments involved Normal Operation, Malfunction/Accidents, and ALARA assessments.
- Completed additional shielding analysis for the Pickering Component Storage Structure.
- Completed Dose Rate and Safety Assessment for the PWMF Storage Building 5.

Indigenous Relations

Kinectrics is committed to maintaining positive, respectful and mutually beneficial relationships with Indigenous communities and groups in the past and present traditional territories where we operate.

Kinectrics is a proud member of the Canadian Council for Indigenous Business (CCIB), which aims to strengthen the relationship between Indigenous and non-Indigenous peoples, businesses, and communities.

- We are pleased to work with OPG, which is also a member of the CCIB and has demonstrated a strong commitment to building and growing long-term mutually beneficial working relationships with Indigenous peoples.



Summary

- We are confident that OPG has undertaken a rigorous, systematic evaluation to demonstrate that the PNGS and PWMF can continue to operate safely and reliably.
- By working closely with OPG and understanding their people, programs, procedures, processes, and safety culture, Kinectrics has observed the commitment to safety and attention to detail which are applied to all OPG projects.
- On this basis, we support the approval of OPG's application to refurbish the PNGS and renew the licences for the PNGS and PWMF.





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