



Supplementary Information

Presentation from Ontario Power Generation

Renseignements supplémentaires

Présentation d' Ontario Power Generation

Ontario Power Generation

Mid-Term Update of Licensed Activities for the Pickering Nuclear Generating Station

Ontario Power Generation

Rapport de mi-parcours au sujet des activités autorisées pour la centrale nucléaire de Pickering

Commission Meeting

Réunion de la Commission

December 13 and 14, 2023

13 et 14 décembre 2023



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Pickering Nuclear Generating Station Mid-term Update

December 13, 2023

Jon Franke – Senior Vice President, Pickering Nuclear

Emily Tarle – Deputy Site Vice President, Pickering Nuclear

Dave Rogers – Director of Operations and Maintenance, Pickering Nuclear

Advancing Reconciliation



- OPG's Reconciliation Action Plan (RAP) is a road map for how we intend to advance reconciliation and continue to learn.
- Delivered approximately \$77 million in economic benefits to Indigenous communities and businesses, with \$56 million in Indigenous procurement and \$21 million in distributions from equity partnerships with Indigenous partners.
- Hired and secured placements for 24 skilled Indigenous employees through the Indigenous Opportunities Network.

Purpose of Meeting

- In 2018, Pickering Nuclear received a 10-year Power Reactor Operating Licence.
- The Commission required an update at mid-point of the licence period.
- OPG staff will provide highlights of our strong performance and our continued commitment to excellence during the current licence term.



About Pickering Nuclear

- Generates 3,100 Mw of reliable, carbon-free electricity in a safe and sustainable manner.
- Operates six CANDU reactors (CANadian Deuterium Uranium).
- Accounts for 14% of Ontario's electricity needs.

Avoids equivalent
emission of
643,000 gas-
powered cars



Powers
1.5 million
homes annually

Protects
4,500
jobs annually



Ensures a
stable supply of
Cobalt-60,
a critical medical
isotope



Commitment to Excellence

- Safety above all is our top priority.
- OPG made many positive impacts through our operations and initiatives in the surrounding communities during this licensing term.



2019 and 2020 Whitby Chamber of Commerce Business Excellence Awards



2019 City of Pickering Local Business Award
2021 City of Pickering Environmental Award



2019 INPO Excellence Award



2020 -2022 Gold Certification by Wildlife Habitat Council



2020 John S. Hewitt Team Achievement Award - Canadian Nuclear Society and Canadian Nuclear Association



2023 OPG was proud named one of Canada's Best Diversity Employers



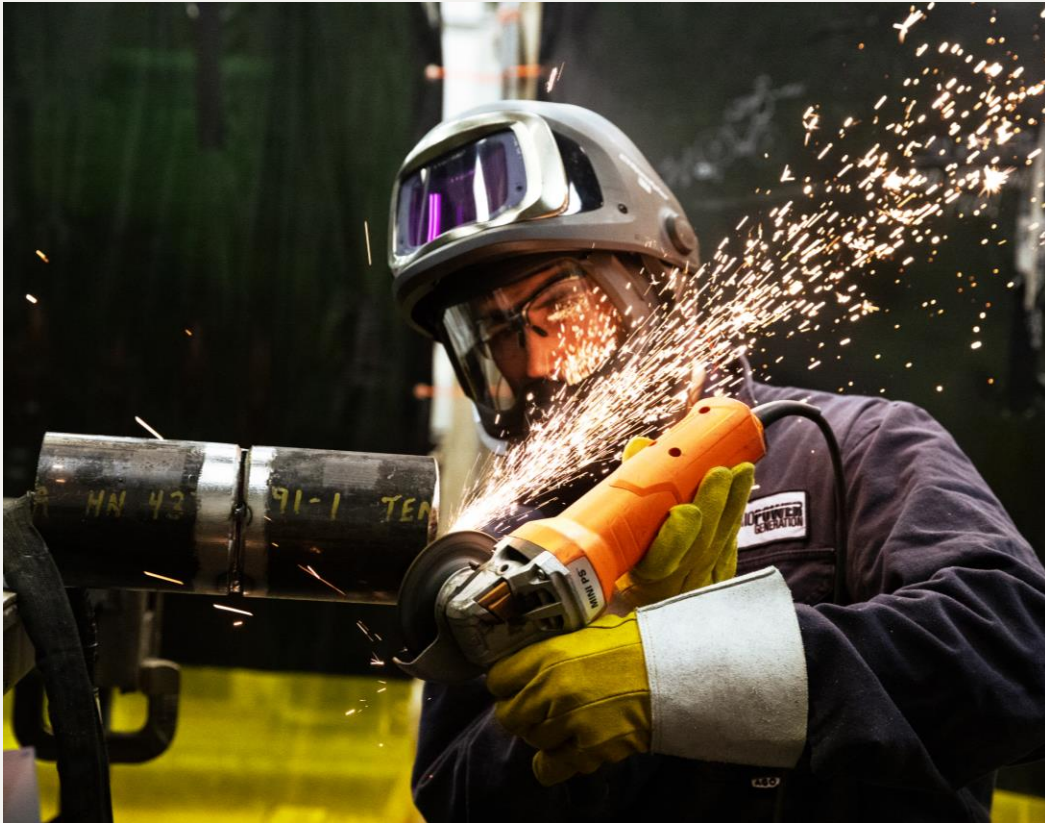
2022 - One of Canada's Best 50 Corporate Citizens for 10th year by Corporate Knights

Nuclear Safety

- Pickering Nuclear continually demonstrates it is a safe plant.
 - Probabilistic Safety Assessment concludes low and continued reduction in public risk.
 - Ongoing fitness for service evaluations continue to be demonstrated through in-service inspections and surveillance.
 - Pickering Nuclear's As Low As Reasonably Achievable strategy initiatives contributed to better than yearly targets for collective radiation exposure.
 - Most recent Nuclear Safety and Security Culture Assessment determined Pickering has a healthy nuclear safety culture.



Performance Summary



- Year over year, top ranking in safety performance compared to peers – Electricity Canada President's Award of Excellence:
 - ✓ Recognition of top quartile performance for both all injury/illness frequency and lost time injury severity rates.
- A record 109 day continuous run on all 6 units - best equipment reliability ratings.
- Pickering Unit 4 operated for 730 consecutive days – record 2 year run.

Emergency Preparedness

- Extensive drill and exercise program validates emergency plans and procedures.
- Active potassium iodide (KI) pill distribution program –Over 4.2 million pills have been distributed since inception.
- Successful inter-operability Exercise Unified Command in September 2023.



Protecting the Environment

- The environmental monitoring program regularly samples water, air, and soil and results are posted on OPG.com.
- Monitoring program results confirm the public and the environment continued to be protected.
- Wildlife Habitat Council Gold certification awarded to Pickering Nuclear for the period of 2020-2022.



Indigenous Engagement

- Committed to ongoing and continuous engagement with Indigenous Nations and communities regarding nuclear operations and future projects.
- Signed framework agreements with Curve Lake First Nation and Mississaugas of Scugog Island First Nation, and work is progressing with Hiawatha First Nation.
- An overarching Indigenous Engagement Plan in development in collaboration with Indigenous Nations and communities.



Public Engagement

- Continued commitment to open and transparent relationships and communication.
- Consistent, meaningful and timely engagement with our host communities and the public in a number of ways, including:
 - Stakeholder and community meetings
 - Educational programs and events
 - Environmental Stewardship
 - Tours and Presentations



Leading the Future

- OPG is accelerating equity, celebrating diversity, and fostering a culture of inclusion.
- Equity, diversity and inclusion are fostered by:
 - Ensuring our workforce is reflective of the communities we serve.
 - Attracting, retaining and celebrating employees with unique backgrounds, skills and characteristics.
 - Creating an inclusive culture where everyone can connect, belong and grow.

Equity, Diversity & Inclusion Strategy

2020 – 2030



Powering the Future



Commitment for the Future

- OPG has demonstrated strong performance and many significant achievements at Pickering Nuclear during the current licence term.
- OPG will ensure Pickering Nuclear continues to:
 - operate safely,
 - maintain qualified and competent staff to operate the plant,
 - protect the public, workers, and the environment,
 - improve the security program, and
 - engage with public and Indigenous Nations and communities in an open and transparent manner.



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