



Nuclear Energy Canada Inc.

Mid-Term Review Meeting Guide

2026

Introduction

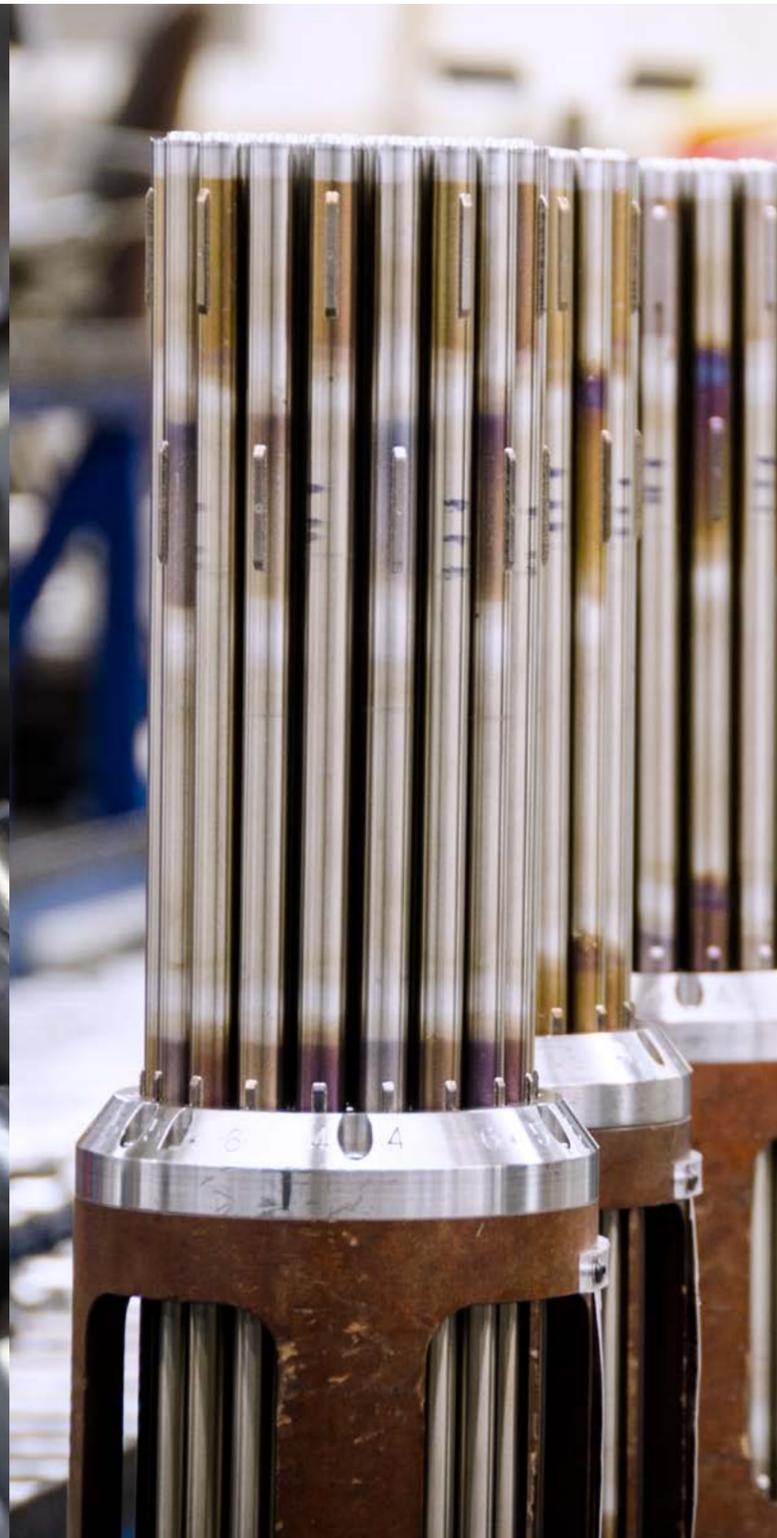
In 2020, BWXT Nuclear Energy Canada (BWXT) participated in a public hearing with Canada's nuclear regulator, the Canadian Nuclear Safety Commission (CNSC), to renew the company's Class IB Nuclear Fuel Facility Operating Licence for a period of 10 years. The Commission renewed BWXT's licence as two facility-specific licences (one for Peterborough and one for Toronto), valid from January 1, 2021, until December 31, 2030.

The CNSC is holding a mid-term review meeting the week of May 25, 2026, where CNSC staff and BWXT will provide an update on performance from the past five years. Those who are interested can observe or participate in the meeting.

This document has been developed as a resource for those who wish to learn more about BWXT and the upcoming mid-term review meeting with CNSC.



Natural Uranium Fuel Pellets (made in Toronto)



CANDU Fuel Bundle (made in Peterborough)

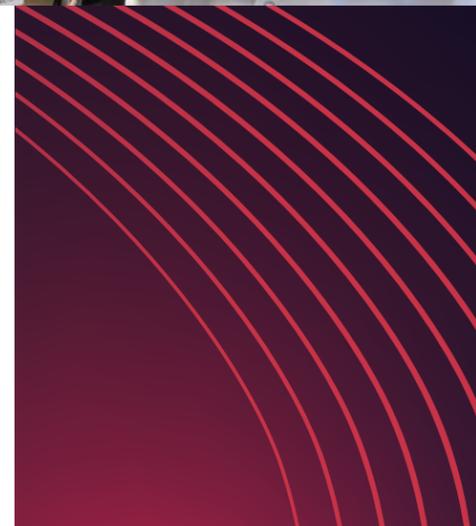
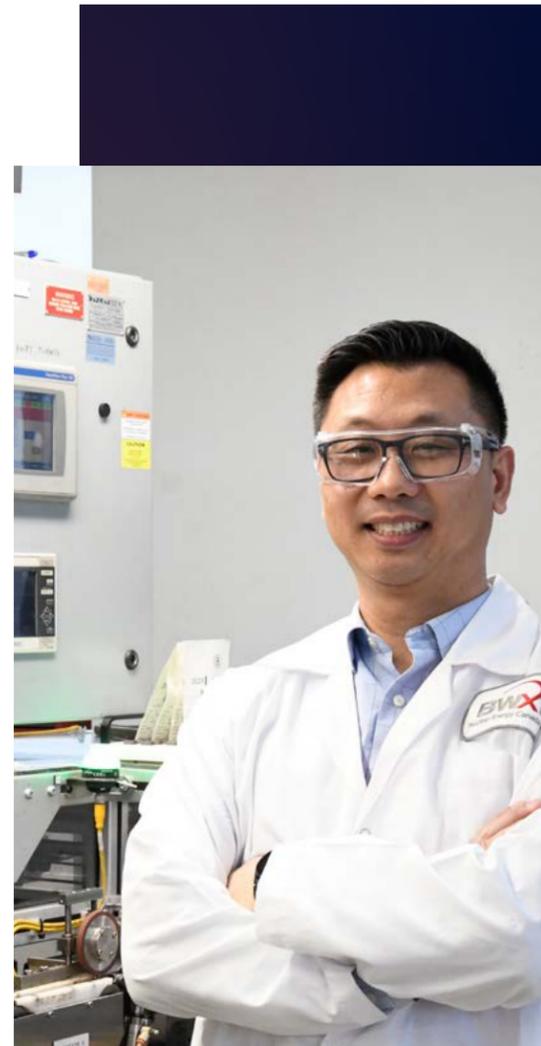
Our Operations

BWXT has been involved with the Canada Deuterium Uranium (CANDU) industry from its earliest years. We have more than 60 years of extensive experience and innovation in the supply of nuclear fuel and fuel channel components, services, equipment and parts for the CANDU nuclear power industry. Our employees proudly manufacture the fuel needed to power Ontario, while also developing innovations in nuclear power and nuclear medicine.

Over the past five years there has been tremendous growth in Ontario's nuclear industry. With advancements in nuclear power technologies and nuclear medicine capabilities, BWXT has been involved at every step.

In Toronto, we employ 40 people in high-tech, engineering, manufacturing and administrative positions. In Peterborough, we employ over 400 people in high-tech, engineering, manufacturing and administrative positions. Over 150 of these employees are engineers in disciplines such as software development, metallurgy, mechanical engineering, electrical engineering and systems engineering.

Our facilities in Peterborough and Toronto are licensed by Canada's nuclear regulator, the Canadian Nuclear Safety Commission.



Proudly Manufacturing Clean, Reliable Fuel to Power Ontario

In Toronto, our employees make ceramic pellets from natural uranium dioxide powder. We receive the natural uranium dioxide powder from Cameco Corporation in Port Hope. After our manufacturing process, which involves pressing the powder into shape, baking the pellets in a hydrogen furnace, grinding the pellets to a precise size and inspection, we send the pellets to our Peterborough site where they are placed into fuel bundles for CANDU power stations in Ontario.

Approximately 20% of our employees in Peterborough work in our fuel operation, assembling fuel bundles for use in CANDU power reactors. Natural uranium pellets produced at our Toronto facility and zirconium tubes manufactured at our Arnprior facility are shipped to our Peterborough site, where they are assembled into fuel bundles for Ontario Power Generation.



The fuel produced by BWXT goes on to provide approximately 25% of Ontario with carbon-free, reliable electricity!



Interested in seeing how natural uranium pellets are made?
[Check out our virtual tour!](#)



Interested in seeing how fuel bundles are made?
[Check out our virtual tour!](#)



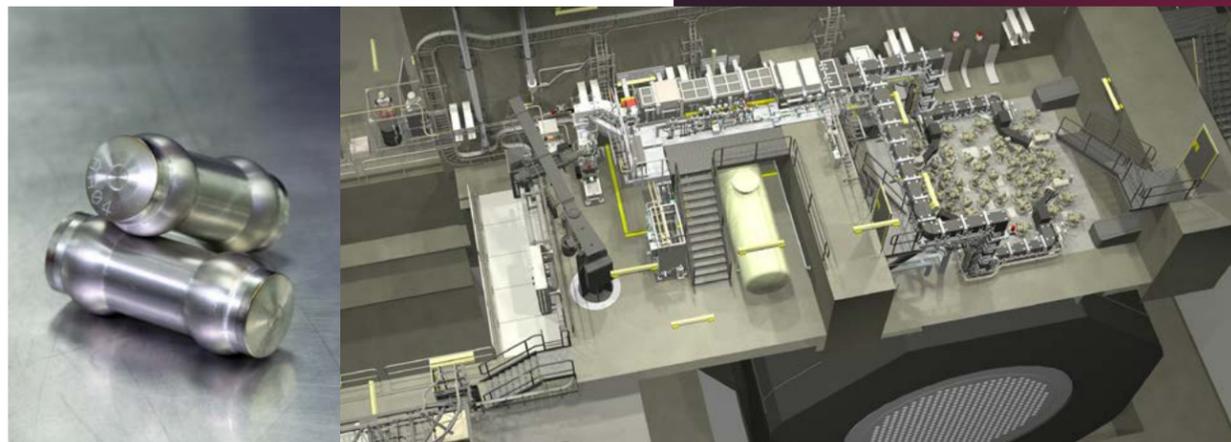
Developing Innovations in Nuclear Power and Nuclear Medicine

A large portion of our Peterborough employees design, engineer and manufacture highly advanced and technical systems and tooling for the nuclear industry. These systems inspect and maintain reactors, reducing radiation doses to workers and decreasing outage times. We're proud that in addition to supporting reactor operating needs, our employees also produce components and tooling to enable the production of life-saving nuclear medicine.

To enable a stable supply of nuclear medicine, BWXT and Laurentis Energy Partners (a subsidiary of Ontario Power Generation) designed and manufactured a complex system that lowers BWXT-manufactured medical isotope targets into a CANDU reactor where they become irradiated. BWXT installed this system at Ontario Power Generation's Darlington site.

Once the targets are irradiated, they are shipped to BWXT Medical's facility in Kanata, where they are processed to be used by pharmacies and hospitals worldwide.

Currently, this system is used for diagnostic imaging to help detect illnesses like cancer and heart disease. In the future, the system installed at Ontario Power Generation's Darlington site may be used to produce other medical isotopes that are designed to treat cancer.



Nuclear Medicine Targets

Target Delivery System

Our Commitment to Safety

The safety of our employees, the public, and the environment is our first priority.

We are committed to minimizing the effects of our operations on the environment and comply with all relevant environmental regulatory laws. Performance results, including emissions to air, water and soil, confirm our facilities are being operated safely and responsibly. Environmental monitoring results show we have low emissions and safe public doses. In addition to our own environmental programs, the CNSC conducts independent monitoring to verify the community and environment are protected.

BWXT's business management system ensures all licensed activities are conducted in accordance with the Nuclear Safety and Control Act, associated regulations, applicable CNSC requirements, jurisdictional requirements, and compliance best practices.



Our Commitment to Community and Indigenous Engagement

At BWXT, we are committed to connecting with the Peterborough and Toronto communities in a timely, transparent and meaningful way. We recognize that the most effective way to build and sustain public trust is to maintain environmental excellence while fostering an atmosphere of openness and transparency with the community.

Over the past five years, we have improved and expanded the way we conduct community engagement; focusing on creating more in-person, two-way communication opportunities and mechanisms to share information, listen and collect feedback to improve our Public Information & Disclosure Program.

Our efforts to improve Indigenous engagement progressed since 2020, and we continue to work toward building and sustaining relationships with the communities where we operate.

BWXT continues to participate in the Partnership Accreditation in Indigenous Relations certification program through the Canadian Council for Indigenous Business and is currently PAIR Committed. Additionally, BWXT introduced an Indigenous Relations Roadmap (through our partnership with Creative Fire) which is an internal leadership guide to align business efforts in support of Indigenous Truth and Reconciliation.



Learn More

Visit our dedicated public information website (nec.bwxt.com) for more information about BWXT's performance, safety and community engagement. Detailed information can be found in our Annual Compliance Reports and Mid-Term Update Commission Member Document.

There are several ways you can stay connected to the latest BWXT news. Scan the QR codes below to sign up for email updates and join our Facebook Group.

Website

Visit our public information website:



Facebook

Join our Facebook group:



Toronto

Scan to sign up for Toronto Email Updates:



Peterborough

Scan to sign up for Peterborough Email Updates:



How to participate in the CNSC's mid-term review meeting:

Those who are interested in submitting an intervention at the meeting must submit a request to participate by April 17, 2026 to the Commission Registry online at <https://www.cnsccsn.gc.ca/eng/the-commission/intervention/> or by email to the Registry at interventions@cnsccsn.gc.ca. All submissions will be made publicly available for download on the CNSC's website.

The request to participate must include the following:

- The written submission of the comments to be presented to the Commission, including an appendix with all documents mentioned as references in the written submission.
- The requester's name, address, telephone number and email address.

Contact BWXT

To request more information or connect with a member of BWXT's team, contact us via one of the channels below.

Phone: 1.855.696.9588
Email: questions@bwxt.com
Web: nec.bwxt.com

Key Dates

- **January 23, 2026**
CNSC Participant Funding Program deadline
- **After February 25, 2026**
Submissions from CNSC and BWXT will become publicly available
- **April 17, 2026**
Intervention requests are due to CNSC
- **Week of May 25, 2026**
Public meeting to be held in the Peterborough area (exact location to be confirmed by CNSC) and/or virtually via Zoom



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