

Cameco Fuel Manufacturing licence renewal process

A message from
Doug Jensen, general
manager of Cameco Fuel
Manufacturing

Have you ever thought about where the electricity comes from when you turn on your light switch or charge your cell phone? In Ontario, about 60% of all electricity comes from CANDU nuclear reactors, and half of these reactors are powered by the fuel bundles manufactured right here in Port Hope.

Cameco Fuel Manufacturing (CFM) has been safely producing CANDU fuel bundles in Port Hope since 1965. Our employees call Port Hope and the surrounding area home, and we take great pride in our work – both in the facility and in the community.

We are currently in the process of renewing our facility operating licence with the Canadian Nuclear Safety Commission (CNSC). This time, we are looking to make two changes: we are requesting a 20-year licence instead of 10 years; and we are requesting an increase in the amount of uranium we can process in a single year.

A 20-year licence is a commitment to the clean-air energy we need to help combat climate change – which benefits everyone. It also provides added workforce stability for our employees and certainty for our customers who have made long-term commitments to provide clean-air nuclear energy.



An employee packs finished CANDU fuel bundles at Cameco Fuel Manufacturing Port Hope.

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Doug Jensen,
General Manager, Cameco Fuel Manufacturing



A 20-year licence term allows those customers to rely on CFM as a stable and secure supplier of fuel. This commitment also means continued local jobs for our highly skilled workforce, and the many benefits that provides to the local economy and community.

As concerns about climate change continue to grow, demand for zero-emission sources of electricity, like nuclear, continue to

increase. CFM is here to play a continued role in energizing a clean-air world. When you plug in an electric car, you can count on nuclear power for an abundant supply of reliable, safe, emissions-free electricity.


The CANDU reactors at Bruce Power, powered exclusively by fuel made at CFM, do more than just produce clean electricity. They also produce medical isotopes like Cobalt-60.


The Cobalt-60 produced at Bruce Power is used to sterilize more than 40% of the world’s single-use medical devices.

For us to continue our work in keeping the lights on and fueling nuclear medicine, we need to renew our operating licence with the CNSC.


To help you understand more about what we do at CFM, we have created a licence renewal briefing guide, available now on our website at www.camecofuel.com/cfmlicence. It will show you how you can participate in this important licensing process, by submitting an intervention.

If you have any questions about our operations, feel free to contact us at cameco_ontario@cameco.com, or call 1.905.800.2020.







FUEL FABRICATION
Port Hope Fuel Manufacturing Facility
Manufactures fuel bundles for CANDU reactors




CANDU REACTORS




ENERGY GRID
Useable clean energy that powers homes, hospitals and businesses




100%
Cameco Ownership




1.5m
CANDU
fuel bundles & components produced




ISO 14001
registered



1500 Tonnes
per year of UO₂ as finished bundles



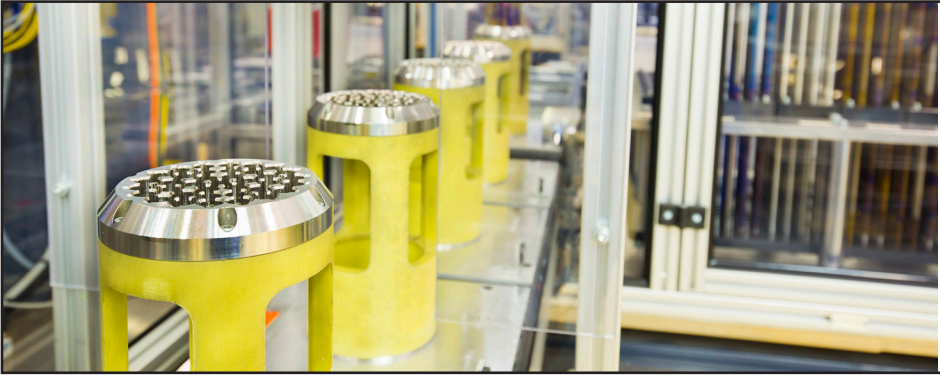
Licensed through February 2023



140
Employees

**Quick Facts
about CFM
Port Hope**

The benefits of nuclear



The nuclear industry in Canada is about more than just clean-air energy. Nuclear is part of a cleaner energy future and is essential to helping the world address the climate crisis, provides life saving medical isotopes, and helps build a strong Canadian economy. Here are just some of the benefits of nuclear.

Climate Change and Air Quality



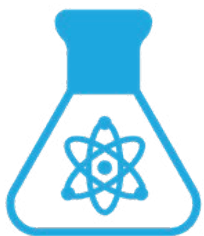
- Climate change is one of the biggest challenges we face today. Nuclear energy is the most reliable source of large-scale, low-carbon energy available.
- Removing coal power plants from Ontario was the equivalent of removing seven million vehicles from the road. Enabling nuclear energy made this possible.

Jobs and the Economy

- Canada's nuclear industry offers a variety of high-value jobs to skilled individuals. In 2019, the Canadian nuclear industry accounted for 76,000 direct and indirect jobs.
- Cameco facilities employ over 600 people in Cobourg and Port Hope.
- Cameco's Northumberland operations also utilize a variety of local suppliers and contractors.



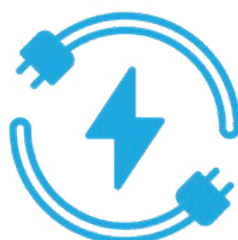
Nuclear Medicine



- Nuclear medicine saves lives by diagnosing diseases, treating patients and sterilizing medical equipment.
- More than 40% of all single-use medical devices produced globally are sterilized with Cobalt-60, which comes from nuclear reactors. Without nuclear reactors, there would be no source of cobalt-60.
- Nuclear imaging allows doctors to better see what is happening inside a patient's body.
- Radiation therapy is used to precisely target and destroy cancer cells while sparing nearby healthy tissue.

Energy Reliability

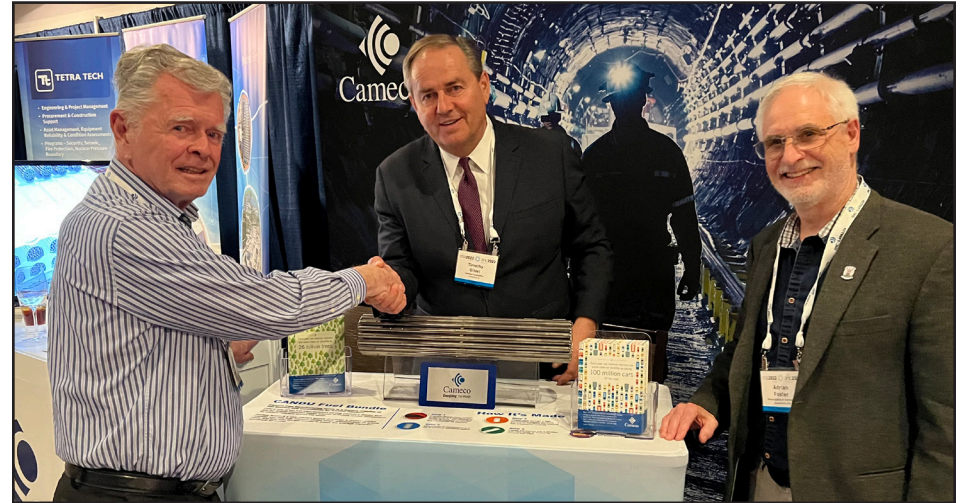
- Nuclear energy is reliable, generating clean-air energy day and night, no matter what the weather is like.
- Once a CANDU reactor is started, it can run with few interruptions for decades, as they are designed so they do not have to be shut down to refuel.



Learn more about the benefits of nuclear from the Canadian Nuclear Association at www.cna.ca.

Cameco in the community

Cameco is always proud to support the communities in which we live, work and play. With the lifting of pandemic related restrictions on gatherings in Ontario, we are looking forward to getting out to more local events in the near future. Here are just a few of the things we have been a part of recently, as well as a look forward at events to come.



Cameco president and CEO Tim Gitzel had a brief visit with Port Hope Mayor Bob Sanderson and Clarington Mayor Adrian Foster at the Cameco booth at the Canadian Nuclear Association conference in Ottawa on April 13, 2022.



Cameco Fuel Manufacturing general manager Doug Jensen with Nancy Oliver, Head of Special Events for Community Care Northumberland. Cameco was a sponsor of the Handbags for Hospice event on April 21 which raised funds for Ed's House Northumberland Hospice Care Centre.



Cameco's Blind River refinery general manager, Terry Davis (right), meets with staff of North Shore Health Network in Blind River to see the new bone mineral densitometer (BMD). The BMD was purchased with funds from the Cameco Blind River Giving Campaign, where over \$47,000 was raised between employee donations and a matching donation from Cameco.



Cameco is a presenting sponsor of the Northumberland Father Daughter Butterfly Ball on July 8. Cameco will also be in the Port Hope Canada Day parade on July 1.

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