

# energize

News & Information from Cameco



spring 2021

## Cameco applies for licence renewal for Cameco Fuel Manufacturing Port Hope

On December 2, 2020, Cameco Fuel Manufacturing (CFM) in Port Hope submitted an application to the Canadian Nuclear Safety Commission (CNSC) to renew its Class 1B Fuel Facility Operating Licence (FFOL) issued by the CNSC for a period of one year. The current licence FFOL-3641.00/2022 is valid until February 28, 2022.

"We have requested a one-year licence renewal in order to strategically separate the CFM licence activities from our Blind River Refinery licence activities which are scheduled to occur at the same time," said Dale Clark, vice president, Cameco Fuel Services Division. "Making this change will put licence renewal proceedings out of sync and deliberately establish staggered licence renewal activities for the future. We are not requesting any changes to the existing terms and conditions of the current licence."

Should CFM receive the one-year licence renewal, Cameco will make an application to the CNSC for a 10-year licence.

CFM serves Canada's nuclear reactor fleet and is the largest Canadian-based fabricator of in-core zirconium reactor components for CANDU reactors in the world. CFM Port Hope safely manufactures natural uranium fuel for use in Canadian reactors.

As a Class 1B FFOL holder, CFM is rigorously regulated by the CNSC, Canada's nuclear regulator. The CNSC grants licences for a set amount of time and licence holders must apply to the CNSC to request the licence be renewed.



Cameco Fuel Manufacturing in Port Hope has applied to the CNSC for a one-year licence renewal.

"We expect that the one-year licence renewal will be heard by the CNSC through a hearing in writing process," said Clark. "This process is expected to include interventions in writing, and the CNSC's Participant Funding Program will also be available."

*"We have requested a one-year licence renewal in order to strategically separate the CFM licence activities from our Blind River Refinery licence activities which are scheduled to occur at the same time."*

- Dale Clark, Vice President,  
Cameco Fuel Services Division

Members of the public, Indigenous groups and stakeholders who have an interest, expertise or information that may be beneficial to the CNSC in making its decision will be invited to comment on the CFM Port Hope application through the CNSC's intervenor process.

Cameco will keep the public informed throughout the process and share information about how people can participate when the CNSC makes that information available.

The safety of people and the environment is the top priority at Cameco. CFM has a well-

established culture of continuous improvement and a long history of safe operations. Throughout the current licence period, CFM has maintained strong safety and operational performance.

For more information on CFM, please visit our website at [www.camecofuel.com](http://www.camecofuel.com)

### Relicensing Information and Resources

**Canadian Nuclear Safety Commission:**  
<http://nuclearsafety.gc.ca/>

**CFM Licence Renewal Information:**  
[www.camecofuel.com/CFMlicence](http://www.camecofuel.com/CFMlicence)

**CFM Annual Compliance Report:**  
[www.camecofuel.com/library/media-library](http://www.camecofuel.com/library/media-library)

**CFM Public Disclosure Protocol:**  
[www.camecofuel.com/uploads/downloads/CFM\\_public\\_disclosure\\_protocol.pdf](http://www.camecofuel.com/uploads/downloads/CFM_public_disclosure_protocol.pdf)

## Port Hope Conversion Facility Vision in Motion project update



Cameco's Vision in Motion (VIM) project at the Port Hope Conversion Facility (PHCF) experienced a few delays due to the provincial COVID-19 lockdown in January, but activity is expected to resume again soon.

"VIM intends to resume activity on-site in late March, but we will continue to adapt as needed to the COVID-19 situation and the site's needs to maintain priority on production operations," said Shane Watson, program manager, stakeholder relations.

Discussions with the Municipality of Port Hope about the proposed changes to the project regarding the cancellation of the Choate Street extension are still proceeding. For more information, please visit: [www.camecofuel.com/vim](http://www.camecofuel.com/vim)

# Did you know? Facts about Cameco's Ontario Operations

Cameco's Fuel Services Division processes uranium and manufactures fuel components for clean-air nuclear power plants. More than half of Ontario's electricity is generated using the uranium produced by Cameco's Fuel Services Division, right here in Port Hope.

## Blind River Refinery

Uranium ore concentrates are shipped here from mines around the world, including those in Canada, Australia, the United States, Asia and Africa. The uranium concentrates are refined to produce a purified intermediate product called uranium trioxide ( $\text{UO}_3$ ) which is then shipped to our Port Hope Conversion Facility for further processing.



## Port Hope Conversion Facility

This facility converts purified uranium trioxide ( $\text{UO}_3$ ) from our Blind River Refinery to either uranium dioxide ( $\text{UO}_2$ ) or to uranium hexafluoride ( $\text{UF}_6$ ). The  $\text{UO}_2$  moves through the fuel cycle to fuel manufacturing facilities, where fuel bundles for CANDU nuclear reactors are produced. The  $\text{UF}_6$  moves on to enrichment facilities internationally for further processing into fuel for light water nuclear reactors.

## Cameco Fuel Manufacturing

Our fuel manufacturing business consists of two facilities, a fuel manufacturing plant in Port Hope where natural uranium dioxide ( $\text{UO}_2$ ) powder is pressed into pellets, fitted into zirconium tubes and then assembled into CANDU reactor fuel bundles; and a metal fabrication shop in Cobourg, Ontario that produces fuel bundle and reactor components.

## Cameco Fund for Mental Health 2020 grant recipients

The Cameco Fund for Mental Health 2020 awarded six grants to mental health projects that benefit Northumberland County. The projects range from mental health training to direct support for people struggling with mental health.

Now in its second year, the Cameco Fund for Mental Health was established to directly support organizations and groups that are working to address and support mental health in Northumberland County.

Due to COVID-19, Cameco was unable to hold the Step Up for Mental Health 5k Run/Walk in 2020. All funds were raised through the Cameco Charity Golf Package which was held during the fall at Dalewood Golf Club. This allowed participants and sponsors to golf in a socially distanced manner while still raising money for a good cause.

The recipients of the funding from the Cameco Fund for Mental Health 2020 are:

### Big Brothers Big Sisters Northumberland

**Project:** Virtual Mentoring Program - Enhancing Children's Mental Health

**Description:** This project connects vulnerable and at-risk children and youth in Northumberland County with trusted and caring trained adult mentors to promote positive mental health and well-being through virtual mentorship.

### Campbellford & District Community Mental Health

**Project:** Peer, Social and Wellness Area

**Description:** To enable peer, social and wellness connections and empowerment in a welcoming environment through therapeutic and peer groups.

### Northumberland Hills Hospital Foundation

**Project:** NHH Community Mental Health Services - TELL Talk (Teaching and Education Learned through Living)

**Description:** A recovery college program that focuses on mental health education and coping skills.

### Kaitlyn Bates Initiative

**Project:** KBI Inspire Magazine

**Description:** Inspire Magazine is a bi-monthly, online publication for teens and young adults in Northumberland County. KBI plans to produce a regular webcast with a youth mental health focus; as well as initiating an Inspire Speaker Series, once COVID restrictions allow.



### Port Hope High School

**Project:** Active Living at Hawkins and Port Hope High School

**Description:** The project will promote active living and improved mental health by using physical education experiences at PHHS/Hawkins.

### Canadian Mental Health Association Haliburton, Kawartha, Pine Ridge

**Project:** Virtual Mental Health First Aid in Northumberland

**Description:** The Canadian Mental Health Association Haliburton, Kawartha, Pine Ridge will offer free virtual Mental Health First Aid courses to the residents of Northumberland County.

**Thank you to everyone who stepped up to make a difference!**

## Fuel Services Division Headquarters

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## One Small Pellet, Lots of Clean Energy



20 g of uranium  
(actual size)

One 20 gram uranium pellet produces the same amount of energy as:



400 kg of coal



410 L of oil



350 m<sup>3</sup> of natural gas

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