

The background of the page is a scenic photograph of a river flowing through a forest. The river is surrounded by large, grey rocks. The trees on the banks are in autumn, with some showing vibrant red and orange foliage. The sky is overcast.

ENERGIZE

All about the AP1000: Powering Canada forward with proven nuclear technology

Cameco has been part of the Blind River community for decades, playing an important role in Canada's nuclear fuel cycle. As Canada and other countries around the world work to strengthen energy security, meet growing energy demand and reduce greenhouse gas emissions, nuclear energy is increasingly recognized as a reliable, long-term source of low-carbon baseload power.

In 2023, Cameco and Brookfield acquired Westinghouse Electric Company, a global nuclear technology company best known for the AP1000® reactor design. Westinghouse is now Canadian owned, with Cameco holding a 49% interest alongside Brookfield – which is also a Canadian owned company.

This investment reflects a focus on powering Canada forward by supporting modern, deployment-ready nuclear technology with demonstrated operating experience.

Why the AP1000?

The AP1000 is a Generation III+ nuclear reactor that has moved beyond design and early deployment into commercial operation. There are six reactors operating today, with 14 under construction, seven contracted, and 14 more selected and planned internationally. This global footprint provides real-world experience that informs future projects.

Cameco CEO Tim Gitzel has highlighted the value of building on technology that is already operating.

"The AP1000 is ready because we've already built some. There are 14 reactors under construction around the world, and you can go see them, visit them, and talk to the operators, who will tell you how well they operate," said Gitzel.

"That's a huge advantage. They're design-ready, fuel-ready, licencing ready, and they are deployment-ready. Which is something that the utilities want – they don't want a first-of-a-kind risk, they want to know the reactor is ready to go, and we can provide that."

Designed, built and operating

The AP1000 incorporates passive safety systems that rely on natural

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All about the AP1000

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forces such as gravity and natural circulation rather than active equipment or operator action. These systems are designed to help maintain safe shutdown conditions in situations such as the loss of external power.

Unlike many advanced reactor designs still under development, the AP1000's safety features and operating assumptions have been demonstrated through commercial operation.

Proven performance and flexibility

Operating AP1000 reactors have demonstrated strong performance, based on publicly reported international nuclear operating data. Experience from operating units has also contributed to improvements in commissioning timelines and refuelling outage performance.

The reactor is designed to operate in both baseload and load following modes, allowing it to complement renewable electricity sources, such as wind and solar, as energy systems continue to evolve.

What this means for Canada

The AP1000's global deployment is closely connected to Canada's nuclear supply chain. Canadian companies already supply components and services to AP1000 projects around the world, supporting highly-skilled jobs and technical expertise.

The AP1000 reactor is designed to fully leverage domestic supply chains. In a multi-unit Ontario deployment, Canada's existing world-class nuclear supplier base positions the country to capture a substantial share of project

investment locally. This will support long-term economic growth, skilled jobs, and strengthened energy security, while also deepening and expanding domestic manufacturing capabilities for the next generation of projects.

A proven technology with a role in Canada's future

As Canada works toward its long term electricity needs and climate goals, technologies that are Canadian owned, deployment ready and supported by real-world operating experience are increasingly relevant.

For the AP1000, being globally proven reflects operating reactors, accumulated experience and lessons already applied across an international fleet – experience that helps inform how Canada can continue powering forward with reliable, low emissions electricity.

For more information, please visit <https://ap1000.cameco.com>.



AP1000®
The Modern Reactor For Canada

Built for This Moment.

As Ontario grows, so does the need for clean, reliable electricity. Cameco and the AP1000® nuclear reactor bring Canadian strength and modern technology together.

[Learn More](#)



Cameco's Quarter Century Club

Cameco's Long Service Program recognizes employees as they reach key service milestones: one year, five years, and every five years thereafter. Employees who reach 25 or more years of service receive special recognition as members of Cameco's Quarter Century Club.

Active employees who complete 25 years of service become members of Cameco's Quarter Century Club and are invited each year to a dinner in their honour, organized by the Blind River Refinery.

For members, the dinner is more than a celebration of years served. It is a meaningful opportunity to feel recognized and appreciated for the dedication, knowledge and commitment they have contributed

over the years.

The event also helps preserve the strong sense of community that comes from working together through important milestones, changes and shared successes. By bringing long-service employees together, the dinner honours their lasting impact on the Refinery and reminds members that their contributions remain an important part of Cameco's story.

Invitations have been mailed to current members and those being inducted into the Club.

If your contact information has changed and you do not receive your personal invitation, please reach out.



Date:

Friday, October 2, 2026

Location:

Royal Canadian Legion Branch 189,
Upstairs Hall, Blind River

Time: 5 p.m.

RSVP: Email

brr_eventsRSVP@cameco.com
or call 705-576-5959 with names of
attendees by Friday, September 18.

Cameco Blind River Golf Tournament raises \$30,000

On May 22, Cameco hosted its fifth annual Cameco Charity Golf Tournament at Huron Pines Golf and Country Club in Blind River. The event was a great success, selling out with 120 golfers participating.

Thanks to the generosity of our sponsors, golfers and volunteers, the tournament raised nearly \$30,000 for the Cameco Fund for Mental Health. Since the tournament began in 2022, it has raised more than \$100,000 to support mental health programs

and projects in Blind River and the surrounding area.

Later this fall, local groups and organizations will be invited to apply to the Cameco Fund for Mental Health. Applications will be reviewed by a panel of Cameco representatives and local mental health experts.

Watch for details this fall on how to apply at camecofuel.com.



Cameco employees fund new ventilator system for North Shore Health Network

Each fall, Cameco holds its annual Employee Giving Campaign across the company. This past February, employees at Cameco's Blind River Refinery raised \$32,000 to help the North Shore Health Network Foundation purchase a new ventilator system for the North Shore Health Network – Blind River Site Emergency Department. Employees surpassed their goal of \$22,000, resulting in additional funds to support other medical equipment needs at the NSHN Blind River Site. Cameco Corporation matched every employee donation, doubling the impact.

This critical piece of equipment provides life-saving breathing support to patients in respiratory distress or failure. This project helps improve patient safety,

reduce transfers to distant hospitals, and ensures residents can receive high-quality care close to home.

Across all of Cameco's Canadian sites in 2025, the Employee Giving Campaign raised \$1,001,447 and benefitted 150 charities across the country. In Ontario alone, chosen charities will receive \$122,642.

Cameco's employee giving efforts have now raised \$15.2 million in Canada since 2004. Cameco's charity partner is the Saskatoon Community Foundation, which directs all the donations, pledged by credit card or payroll deductions, to the charities.



Terry Davis, general manager, Blind River Refinery (far right) and Cameco employees present cheque to North Shore Health Network.

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Cameco Community BBQ

Join us for a free community barbecue on Thursday, September 10 from 4:00 p.m. to 6:00 p.m. at Sellers Park. Now in its fourth year, this annual event is open to the public and all ages are welcome.

The barbecue is a relaxed opportunity to meet Cameco leaders and subject matter experts, ask questions, and learn more about our operations. Information shared will feature environmental monitoring, regulatory compliance, and the nuclear fuel cycle, all in a welcoming setting along the shore of Lake Huron.

Guests will also have the opportunity to sign up for a public tour of the Refinery

this fall. Tour availability is limited, so be sure to stop by the barbecue to learn more and reserve your spot.



Cameco

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