

# Brilliant Energy Institute

Office of the Vice President, Research and Innovation

Ontario Tech University

## BEI Energy News

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**Faculty of Engineering and Applied Sciences – Ontario Tech**

**Faculty of Engineering and Applied Sciences Research Day**

<https://engineering.ontariotechu.ca/research/research-day/index.php>

Join us at Ontario Tech University's Annual Engineering Research Day 2025, on February 20 at the North Oshawa Campus, UA Building. This event will feature expert panels, poster sessions, research lab tours, and remarks from key figures such as Stephanie Smith from AtkinsRealis and the VP of Research at Ontario Tech. This year's theme, "Responsible & Sustainable Systems: Engineering for the Future," showcases innovative research in engineering. Secure your spot now to connect with industry leaders and explore the latest advancements shaping the future of engineering.

## **Nuclear**

### **Nuclear agreement with Canada will help Poland cut energy ties with Russia: Trudeau – Global News**

<https://globalnews.ca/video/10981387/nuclear-agreement-with-canada-will-help-poland-cut-energy-ties-with-russia-trudeau/>

Canada's new nuclear agreement with Poland, as detailed by Prime Minister Justin Trudeau, marks a strategic move to help Poland reduce its reliance on Russian energy. This agreement not only strengthens Poland's energy independence but also represents a significant geopolitical shift, enhancing the overall security and stability of energy resources in the region.

### **Ontario's Nuclear Expansion Creating More than 350 Jobs in Cambridge – Ontario Newsroom**

<https://news.ontario.ca/en/release/1005654/ontarios-nuclear-expansion-creating-more-than-350-jobs-in-cambridge>

In Cambridge, Ontario, a significant boost to the local job market and the nuclear sector is underway with the creation of over 350 new jobs, thanks to a government-backed contract awarded to BWXT Canada. This initiative is part of Ontario's larger strategy to enhance its nuclear energy infrastructure. It includes refurbishing the Pickering Nuclear Generating Station and building the G7's first small modular reactor (SMR) at Darlington. This strategic move underlines Ontario's commitment to clean and affordable energy and highlights the region's key role in advancing nuclear technology and innovation.

## Energy Policy

### **Newfoundland and Labrador appoints team to broker final energy deal with Quebec – Toronto Star (Paywall)**

[https://www.thestar.com/news/canada/quebec/newfoundland-and-labrador-appoints-team-to-broker-final-energy-deal-with-quebec/article\\_3e293c2c-486e-5858-9dbd-40e434b56fd9.html](https://www.thestar.com/news/canada/quebec/newfoundland-and-labrador-appoints-team-to-broker-final-energy-deal-with-quebec/article_3e293c2c-486e-5858-9dbd-40e434b56fd9.html)

Newfoundland and Labrador have appointed a key negotiation team to finalize a comprehensive energy deal with Hydro-Québec, aiming to rectify longstanding grievances over the Churchill Falls power pricing. The team, led by Jennifer Williams of NL Hydro, includes senior governmental and financial experts who previously secured a tentative agreement for significantly higher payments from Hydro-Québec. This move follows demands for an independent review and will finalize the deal by 2026, marking a significant shift in the provinces' energy relationship.

### **N.S. strikes deals with six wind farms to meet energy needs of big consumers – CBC**

<https://www.cbc.ca/news/canada/nova-scotia/ns-deal-six-wind-farms-energy-needs-big-consumers-1.7442950>

Nova Scotia is advancing its climate goals with a major push into wind energy, planning to add 625 megawatts through six new wind farms by 2028, meeting 80 per cent of its electricity from renewables by 2030. This initiative powers provincial and federal buildings and involves significant Mi'kmaw community partnerships, enhancing local economies and the province's energy independence.

## **Ontario Starting Pre-Development Work for Pumped Storage Project in Meaford – Ontario Newsroom**

<https://news.ontario.ca/en/release/1005636/ontario-starting-pre-development-work-for-pumped-storage-project-in-meaford>

Ontario is advancing the pre-development of the Ontario Pumped Storage Project in partnership with TC Energy and the Saugeen Ojibway Nation in Meaford, aiming to provide significant clean energy storage. This \$285 million initiative will offer up to 1,000 megawatts of storage capacity, powering one million homes for up to 11 hours, with a completion goal aligned with the province's escalating energy demands projected to increase by 75 per cent by 2050. The project complements the province's nuclear expansion and other renewable energy initiatives, bolstering Ontario's clean energy infrastructure.

## **Carney says Canada can use electricity for leverage in the event of a trade war – Financial Post**

<https://financialpost.com/news/economy/carney-canada-electricity-leverage-trade-war>

Mark Carney highlighted that the government should consider restricting electricity exports to the U.S. as a countermeasure in a potential trade war with looming tariffs proposed by President Trump. While not the primary option, this strategic move by Canada could influence negotiations given the country's significant energy exports to U.S. states like New York. Controversy surrounds this approach, especially from Alberta and Saskatchewan's premiers who oppose restricting energy sales, crucial to U.S.-Canada trade relations.

## **B.C. must pursue energy independence in face of tariff threat: minister – Canada's National Observer**

<https://www.nationalobserver.com/2025/01/24/news/bc-energy-independence-tariff-threat-minister-Dix>

British Columbia Energy Minister Adrian Dix emphasized the need for energy independence in light of potential U.S. tariffs, stating the urgency has increased since the election. At a press conference, Dix announced a new partnership between Saulneau First Nations and BC Hydro, involving a 200-megawatt wind project to boost provincial energy security. This move is part of British Columbia's broader strategy to become a leader in renewable energy and reduce reliance on energy imports amidst growing economic and environmental pressures.

## **Renewable Energy**

**Canada's installed capacity of wind energy, solar energy & energy storage is now more than 24 GW, up by 46% in the last five years.**

The Canadian Renewable Energy Association (CanREA) marked its fifth anniversary by announcing a 46 per cent increase in Canada's wind, solar, and energy storage capacity over five years, reaching over 24 GW by 2024, with at least 10,000 MW of additional capacity expected by 2030 and \$30 billion in investment, though CanREA stresses the need for accelerated development to fully harness the country's renewable potential.

*Do you have any milestones, events, or news updates to share with the energy community? Email your submission to [BrilliantEnergy@ontariotechu.ca](mailto:BrilliantEnergy@ontariotechu.ca) for consideration in an upcoming edition.*

Thank you.

The Brilliant Energy Institute News Team  
[brilliantenergyinstitute.ca](http://brilliantenergyinstitute.ca)

*(With a little help from ChatGPT)*