

# Brilliant Energy Institute

Office of the Vice President Research and Innovation  
Ontario Tech University

## BEI Energy News

Produced twice weekly

Nov. 17, 2023

### BEI News

What constitutes a productive week for the Brilliant Energy Institute team? A schedule full of discussions, collaboration and networking with Canada's academic community, industry, government, and non-profits. Here is a quick recap:

BEI and leadership from the [Office of the Vice President of Research and Innovation](#) attended the [Canadian Science Policy Centre's](#) annual conference in Ottawa. The three-day agenda included valuable discussions about climate change, rooted in science and collaborative problem-solving.

The Durham Environment and Climate Forum, hosted by the Durham Environmental and Climate Advisory Committee (DECAC) and the [Durham Climate Roundtable](#) (DCR), took place Tuesday night at the Ontario Tech Science Building. BEI serves as the secretariat for the DCR, and Faculty of Engineering and Applied Science professor Dan Hoornweg (author) and Dave Wotten (research associate) produce an annual greenhouse gas emission inventory and climate progress report.

On Thursday, at the [Hydrogen Business Council's](#) annual conference, Jacquie Hoornweg moderated a panel with Atura Power, Bruce Power, Enbridge Gas, and the Independent Electricity System Operator (IESO) on Grid Capacity and Clean Hydrogen. Attendees also met with team members from the Ontario Tech University Hydrogen Commercialization and Demonstration Centre.

### Energy Policy

## **Majority of Canadians want carbon tax dropped or waived for three years, poll finds - The Globe and Mail (Paywall)**

<https://www.theglobeandmail.com/business/industry-news/energy-and-resources/article-majority-of-canadians-want-carbon-tax-dropped-or-waived-for-three/>

A recent Angus Reid Institute poll indicates a majority of Canadians favour either the removal or temporary suspension of the federal carbon tax. The survey shows 42 per cent want the tax scrapped, with another 17 per cent supporting a three-year pause. This comes after an exemption for home heating oil and larger rebates in Atlantic Canada were announced by Prime Minister Justin Trudeau. The poll also found a decline in support for carbon pricing amidst cost-of-living increases, yet a majority still endorse meeting Canada's 2030 emission targets.

## **Indigenous and Community Engagement**

### **A total of \$15 million will be distributed to 93 projects in 58 Indigenous communities to support clean energy projects across Ontario - Electric Autonomy**

<https://electricautonomy.ca/2023/11/14/ontario-indigenous-energy-programs-funding/>

The Ontario government has added \$5 million to its Indigenous Energy Support Programs, totalling \$15 million this year for clean energy projects. This funding will support 93 projects in 58 Indigenous communities. The projects, managed by the Independent Electricity System Operator (IESO), aim to enhance Ontario's electricity grid. Examples include electric vehicle charging stations in Nipissing First Nation and Six Nations of the Grand River. The commencement of these projects will spread throughout the upcoming year.

## **Electric Vehicle**

## **Parkland strikes EV station funding deal with Canada Infrastructure Bank - Globe and Mail (Paywall)**

<https://www.theglobeandmail.com/business/industry-news/energy-and-resources/article-parkland-strikes-ev-station-funding-deal-with-canada-infrastructure/>

The Canada Infrastructure Bank is providing a \$210 million loan to Parkland Corp. for expanding electric vehicle (EV) charging stations. The plan includes installing up to 2,000 fast-charging ports across Canada. This deal follows a previous \$220 million loan for EV charging infrastructure to Flo Inc. The federal government aims for all new car sales to be electric by 2035 to cut emissions. The CIB's initiative has a \$500 million target, with operations starting as part of the EV adoption push.

## **Hydrogen**

### **TES Launches \$4-billion Green Hydrogen Project in Canada - ESG Today**

<https://www.esgtoday.com/tes-launches-4-billion-green-hydrogen-project-in-canada/>

TES Canada launches a \$4-billion green hydrogen project in Quebec, aiming to help decarbonize industries. The project, named *Projet Mauricie*, plans to build an electrolyser and use a one-gigawatt wind and solar farm for energy. By 2028, the facility expects to produce 70,000 tons of green hydrogen annually and reduce carbon emissions by 800,000 tonnes each year. This contributes to Quebec's goal of reducing emissions by 37.5 per cent by 2030.

## **Battery**

### **Maple Ridge, B.C. to be home of new \$1.05-billion lithium-ion battery plant - Global News**

<https://globalnews.ca/news/10091780/billion-dollar-battery-plant-maple-ridge/>

Maple Ridge, B.C., is scheduled for a new lithium-ion battery factory worth \$1.05 billion, expected to create 450 jobs. Announced by Prime Minister Justin Trudeau and Premier David Eby, the project involves a partnership with E-One Moli. Funding includes \$80 million from B.C. and \$204.5 million from the federal Net Zero Accelerator Initiative. The plant will produce batteries for electronics and is set to be E-One Moli's main North American base. According to Global News, it will be the top employer in Maple Ridge upon opening.

### **Caisse pumps \$200 million into Swedish EV battery maker Northvolt - The Globe and Mail**

<https://www.theglobeandmail.com/business/article-caisse-pumps-200-million-into-swedish-ev-battery-maker-northvolt/>

The Caisse de dépôt et placement du Québec is investing \$200 million in Northvolt, a Swedish EV battery manufacturer. Northvolt plans to begin construction of a new \$7-billion manufacturing plant in the greater Montreal area by the end of this year. The facility aims for an annual output of up to 60 gigawatt hours. This investment follows other Canadian pension funds and firms like BlackRock Inc. backing Northvolt. The plant's operations are scheduled to start at the close of 2023.

## **Wind Energy**

### **Tech giant Amazon's first Canadian wind farm project to be located in Alberta - Toronto Star**

[https://www.thestar.com/business/tech-giant-amazons-first-canadian-wind-farm-project-to-be-located-in-alberta/article\\_6b5fe9b9-5513-5e77-8230-9d3598a8164d.html](https://www.thestar.com/business/tech-giant-amazons-first-canadian-wind-farm-project-to-be-located-in-alberta/article_6b5fe9b9-5513-5e77-8230-9d3598a8164d.html)

Amazon is building a 495-megawatt wind farm in Vulcan County, Alberta, with Copenhagen Infrastructure Partners. This is Amazon's fourth renewable energy project in Canada. The wind farm adds to Amazon's Travers Solar Project, the largest in Canada. Together, they will help Amazon meet its goal of 100 per cent renewable energy by 2030. Other companies in Canada, like RBC and IKEA, are investing in renewable energy.

*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)*