

Brilliant Energy Institute

Office of the Vice President Research and Innovation

Ontario Tech University

BEI Energy News

Weekly newsletter

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Top News

BEI News



BEI's director shares insights and lessons learned on developing innovation and sustainability projects at the 2024 Whitby Chamber Business Summit

On October 3rd, Jennifer Alsop, Director of the Brilliant Energy Institute (BEI), attended the 2024 Whitby Chamber Business Summit on Sustainability and Innovation as a panelist along

with Cynthia Davis, President and CEO, of Lakeridge Health and Tam Jeffs, Project Director, NPX and moderator Simon Gill, Director, Invest Durham. The panel dove into the opportunities, resources and lessons learned to drive successful projects forward. Alignment, communication, co-development and assessment amongst partners were key takeaways to developing innovative sustainability projects.

Energy Policy

Federal clean energy regulations would cost Sask. much less than previously thought: report - CBC

<https://cbc.ca/news/canada/saskatchewan/federal-clean-energy-regulations-would-cost-sask-much-less-than-previously-thought-report-1.7339495>

A report finds that Saskatchewan can meet federal clean energy regulations at a lower cost than previously estimated. The revised regulations could reduce carbon emissions by 30 to 40 megatonnes by 2050. Electricity rates will rise slightly, between 1.5 to 2.1 cents per kilowatt-hour by 2035. The total cost to the province by 2050 would be \$50.3 billion, compared to \$56.8 billion under the current plan.

Quebec will thrive under its ambitious green-energy plan, legault vows – Montreal Gazette

<https://finimize.com/content/canadas-stock-futures-dip-as-middle-east-tensions-flare>

The premier of Quebec envisions a prosperous future under the province's green energy plan, describing clean energy as the "gold of tomorrow." Two economic booms are predicted through the expansion of the province's hydro company and the development of green industries, creating thousands of jobs. However, some party members have raised concerns, arguing that rural communities and small business owners are overlooked. The government faces challenges, including financial deficits and political disputes with the federal government, but the leader remains optimistic about the economic future.

Unleashing Canada's competitive advantage in energy and natural resources – Todayville

<https://www.todayville.com/unleashing-canadas-competitive-advantage-in-energy-and-natural-resources/>

In a recent interview, a senior leader from the Canadian Chamber of Commerce discussed the importance of Canada's energy sector in both the national and global economies. They emphasized the need for energy security, emissions reduction, and innovation in renewable technologies. They also highlighted regulatory challenges, the importance of investment certainty, and the potential impact of Bill C-59 on environmental progress. Looking ahead, they called for balanced energy strategies, collaboration with Indigenous communities, and sustainable growth through policy reforms to support Canada's climate and economic goals.

Carbon Capture

Conversations Live — The future of carbon capture in Canada - Calgary Herald

<https://calgaryherald.com/business/energy/conversations-live-carbon-capture-future-canada-alberta>

A panel discussion in Calgary focused on the future of carbon capture in Canada. Carbon

capture utilization and storage (CCUS) is a key method to reduce emissions in the energy sector. Although progress has been slow, a few companies have reached agreements with the government, and several major projects are now in the planning stages. High costs and funding challenges remain obstacles. Most projects are still in the planning stages, with construction yet to begin.

Hydro Energy

In an era of drought, can B.C. rely on Site C and other hydro projects? – CBC

<https://www.cbc.ca/amp/1.7330201>

British Columbia's \$16 billion Site C hydroelectric project, a project which will be fully operational by fall 2025, provides 5,100 gigawatt hours of electricity per year, enough to power nearly half a million homes. While this project will boost B.C.'s power supply by 8%, concerns are rising about the reliability of hydroelectricity due to climate change, droughts, and diminishing snowpacks. Although B.C. Hydro acknowledges the challenge, but it remains confident in managing water resources. The province is exploring alternative sources, including solar and wind to meet future energy demands. Experts argue that faster action is needed to diversify B.C.'s energy sources and reduce reliance on imports, which have become costly during droughts.

Indigenous Community and Engagement

Solar-powered longhouses, low-impact hydro: These Indigenous leaders have energy solutions - CBC

<https://www.cbc.ca/news/canada/montreal/indigenous-leaders-spearheading-green-energy-projects-1.7335377>

Indigenous leaders gathered in Quebec City to plan renewable energy projects for their communities. The Catalyst program supports First Nations, Inuit, and Métis participants in developing clean energy solutions. Projects include solar power, electric vehicle charging stations, and micro hydro systems to reduce environmental impacts. The goal is to achieve energy independence and sustainability in these regions. No funding details or project start dates were provided.

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

Thank you.

The Brilliant Energy Institute news team
brilliantenergyinstitute.ca

(With a little help from ChatGPT)