Brilliant Energy Institute

Office of the Vice President Research and Innovation Ontario Tech University

BEI Energy News

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Top News

Alberta to pause new solar and wind power projects for six months - The Globe and Mail

https://www.theglobeandmail.com/business/industry-news/energy-and-resources/article-alberta-to-pause-new-solar-and-wind-power-projects-for-six-months-amid/

The Government of Alberta paused approvals for large wind and solar projects in the province, last week. The renewable energy industry raised concerns regarding the impact of this move, including the delay in creating employment opportunities as well as deterring prospective investors. According to the Government of Alberta, this move is intended to update policies in response to a surge in renewable projects and was implemented after undergoing consultation with nearly 200 people, including landowners, stakeholder groups, consumer advocates and power providers that rely heavily on natural gas. The Province's ongoing wind and solar projects, amounting to 3,400 MW, remain unaffected.

Ontario Tech News

Ontario Tech launches Indigenous Hub microsite - BEI LinkedIn

https://www.linkedin.com/feed/update/urn:li:activity:7094720754029629442

Ontario Tech University's new Indigenous Hub website supports members of the campus community by helping them understand and navigate the existing Indigenous initiatives and supports that exist at Ontario Tech, and within the local territory. The Indigenous Hub was commissioned as part of the university's commitment to Truth and Reconciliation and serves as a resource to share Indigenous initiatives, including Indigenization and ongoing Reconciliation efforts at Ontario Tech. Explore the university's Indigenous Hub website here: https://indigenous.ontariotechu.ca/

Energy Policy

Government of Canada announced consultations on Budget 2023 measures - Department of Finance Canada

https://www.canada.ca/en/department-finance/news/2023/08/government-consults-canadians-on-budget-2023-measures-to-grow-the-clean-economy-close-tax-loopholes-and-deliver-tax-relief-for-canadians.html

On Aug. 4, the Government of Canada announced the start of consultations with Canadians and stakeholders, including Indigenous governments, organizations and associations on Budget 2023 measures to grow the clean economy, close tax loopholes, and deliver tax relief for Canadians. Regarding clean economy, the Department of Finance is consulting on the Carbon Capture, Utilization and Storage (CCUS) Investment Tax Credit (ITC); the Clean Technology ITC; labour requirements related to certain ITCs; enhancing the reduced tax rates for zero-emission technology manufacturers; and flow-through shares and the Critical Mineral Exploration Tax Credit – Lithium from Brines. The government will release details on the Clean Hydrogen ITC and intends for the cleanest forms of blue hydrogen (hydrogen produced from natural gas where emissions are abated using (CCUS) to be eligible for the ITC.

Enbridge sees \$1.8 billion profit in second quarter as Mainline pipeline settlement is reached - The Globe and Mail (Paywall)

https://www.theglobeandmail.com/business/industry-news/energy-and-resources/article-enbridge-reports-rise-in-second-quarter-profit-on-strong-delivery/

Enbridge Inc. a multinational pipeline and energy company, reported a second-quarter profit of \$1.8 billion, up from \$450 million in the same period last year. This is linked to a settlement with shippers over tolls for its Mainline pipeline system and developments in the Rio Bravo pipeline project. Second-quarter earnings per share are 91 cents, up from 22 cents in the same quarter of the previous year. Adjusted earnings per share also show an increase, at 68 cents compared to 67 cents. The company also recently reached a preliminary agreement on its Mainline pipeline, which is pending regulatory approvals.

Energy Systems

Building Infrastructure

Canada and FCM invest in Ontario communities through the Green Municipal Fund - Natural Resources Canada

https://www.canada.ca/en/natural-resources-canada/news/2023/08/government-of-canada-and-fcm-invest-in-ontario-communities-through-the-green-municipal-fund.html

The Government of Canada and the Federation of Canadian Municipalities (FCM) invested \$1.34 million in five Ontario housing projects, including nearly \$500,000 towards a deep retrofit project by Essex Non-Profit Homes Inc. that aims to achieve 54 per cent energy reduction. Corktown Cooperative Homes Inc. and Hamilton East Kiwanis Non-Profit Homes Inc. received \$175,000 each for energy-efficient construction and density feasibility study. Victoria Park Community Homes Inc. secured \$9,226 for eco-friendly retrofitting, while Indwell Community Homes evaluated heritage building revitalization.

Electric Vehicles

Canada invests in the future electrification of Lethbridge's transit fleet - Infrastructure Canada

https://www.canada.ca/en/office-infrastructure/news/2023/08/the-government-of-canada-invests-in-the-future-electrification-of-lethbridges-transit-fleet.html

The Government of Canada and City of Lethbridge announced a joint investment of \$134,813 to support the transition of the City's transit fleet. This funding will enable the creation of an Implementation Roadmap, assessing benefits, risks and constraints associated with the transition to a zero-emission fleet. The funding from the federal government is provided through the Zero Emission Transit Fund and is closely coordinated with the Canada Infrastructure Bank's Zero Emission Bus Initiative.

Technologies

Nuclear

Contract signed for IMSR fuel pilot plant - World Nuclear News

https://www.world-nuclear-news.org/Articles/Contract-signed-for-IMSR-fuel-pilot-plant
Terrestrial Energy, a Canadian nuclear technology company, signed a manufacturing and supply contract with Springfields Fuels Limited, a Westinghouse subsidiary, to construct a pilot Integral Molten Salt Reactor (IMSR) fuel plant in the UK. This project received £2.9 million in support from the UK government's Nuclear Fuel Fund. The plant will utilize Springfields' existing infrastructure to provide a fuel supply for IMSR development and is designed to scale for a potential fleet of IMSR plants by the 2030s. The fuel used in Terrestrial's IMSR is low-enriched uranium, which has different characteristics than high-assay low-enriched uranium fuels.

Hydrogen

Ford to develop its first hydrogen semi-truck, targeted at Europe - Hydrogen Insight

https://www.hydrogeninsight.com/transport/ford-to-develop-its-first-hydrogen-semi-truck-targeted-at-europe/2-1-1496008

Ford Trucks, the global brand of Ford Otosan, Ford's 50-50 joint venture with Turkey's Koç Holding, partnered with Ballard Power, a Canadian hydrogen technology company, to develop a fuel-cell electric version of its F-Max 44-tonne long-haul trucks. This collaboration will enable Ford to participate in the Horizon Europe-funded Zero Emissions Freight Eco System trial, which will test zero-emission heavy-duty vehicles across European roads in 2025. As part of the partnership, Ballard is contracted to supply two 120kW fuel-cell engines this year.

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

Thank you.

The Brilliant Energy Institute news team brilliantenergyinstitute.ca (With a little help from ChatGPT)