

Brilliant Energy Institute

Office of the Vice President Research and Innovation
Ontario Tech University

BEI Energy News

Weekly newsletter

March 21st, 2025

BEI News

Hydrogen Energy Workshop

<https://research.ontariotechu.ca/discover-research/iaea-collaborating-centre/hydrogen-workshop-apr-2025/index.php>

The Brilliant Energy Institute at Ontario Tech University is hosting a two-day Hydrogen Energy Workshop on April 26-27, 2025. Experts with over 80 years of combined experience will lead in-depth sessions on hydrogen technology and its applications. This two-day seminar is tailored for professionals and students in the field, featuring case studies and interactive discussions to deepen your understanding of hydrogen's role in the energy transition.

Ontario Tech News

New partnership announced to train Canada's future nuclear workforce – The National Observer

<https://www.nationalobserver.com/2025/02/25/news/new-partnership-announced-train-canadas-future-nuclear-workforce>

Ontario Tech University and Humber Polytechnic have partnered to train future nuclear energy professionals, addressing an urgent need for talent due to a wave of retirements. The collaboration aims to equip students with practical skills to support Ontario's expanding nuclear sector, ensuring a steady influx of skilled workers to meet the province's growing energy demands.

Indigenous

Ottawa commits \$3.7M to NWT clean energy projects – Cabin Radio

<https://cabinradio.ca/228766/news/environment/ottawa-commits-3-7m-to-nwt-clean-energy-projects/>

Ottawa is allocating over \$3.7 million to clean energy initiatives in the Northwest Territories, emphasizing the development of sustainable communities through projects like biomass supply

chains and home energy upgrades. This investment is part of a national commitment of \$11 million to support Indigenous communities' transition to clean energy. The funded projects, facilitated by the Clean Energy for Rural and Remote Communities program, aim to enhance economic empowerment, reduce energy costs, and improve health in remote areas.

Technologies

Dark Energy experiment challenges Einstein's theory of Universe - BBC

<https://www.bbc.com/news/articles/c4geldjige0o>

Scientists are reevaluating the nature of Dark Energy as new data suggests it might not behave as previously understood, challenging foundational theories of the universe, including Einstein's. Observations from the Dark Energy Spectroscopic Instrument indicate changes in the force driving the universe's expansion, prompting discussions of a major scientific breakthrough. Researchers emphasize the need for more data to confirm these preliminary findings, with further insights expected from the European Space Agency's Euclid mission.

Renewable Energy

Five Areas Proposed for Offshore Wind Farms – Government of Nova Scotia

<https://news.novascotia.ca/en/2025/03/14/five-areas-proposed-offshore-wind-farms>

Nova Scotia is setting the stage for clean energy growth by identifying five offshore areas for wind farm development, including French Bank and Sable Island Bank. Public input is invited until April 14, with a competitive licensing process for these areas to follow later this year. This move by the Canada-Nova Scotia Offshore Energy Regulator will enhance energy security and create jobs, reflecting a joint effort with federal partners.

Energy Policy

Energy expert on BC Hydro's rate hike – Global News

<https://globalnews.ca/video/11086620/energy-expert-on-bc-hydros-rate-hike/>

BC Hydro is implementing a 3.75 per cent rate increase over the next two years, as discussed by Barry Penner, former BC environment minister and current Chair of the Energy Futures Institute. The rate hike is part of BC's strategic adjustments in response to its energy dependency on the U.S. This financial maneuver will address challenges within the provincial energy framework and ensure a stable economic future for the region.

Oilpatch CEOs call on Ottawa to declare energy crisis to fast-track development – Financial Post

<https://financialpost.com/commodities/energy/oil-gas/anada-urged-declare-energy-crisis-oil-executives>

Canadian oilpatch leaders urge the federal government to declare an energy crisis and fast-track oil and gas projects using emergency powers to boost national economic security. They argue that the current regulatory environment has deterred investors and hindered project development,

suggesting a need for a more streamlined approval process. These executives advocate for the repeal of the federal carbon tax to enhance the competitiveness of the Canadian oil and gas industry. Their call comes amid increasing tensions with the U.S. over tariffs and concerns about Canada's energy sovereignty.

The Offshore Renewable Energy Regulations Initiative – Government of Canada

<https://natural-resources.canada.ca/energy-sources/renewable-energy/offshore-renewable-energy-regulations-initiative>

Canada is advancing its offshore renewable energy framework with the introduction of regulations to enhance safety and environmental protection. These new standards are needed to develop offshore renewable energy projects and ensure operational safety across Canada's offshore areas. Public consultations and stakeholder engagement are integral to this initiative, emphasizing Canada's commitment to sustainable and responsible energy expansion.

With province's solar rebates going dark, P.E.I. customers and installers left 'in limbo' - CBC

<https://www.cbc.ca/news/canada/prince-edward-island/pei-government-pauses-solar-panel-rebates-1.7488257>

The P.E.I. government's sudden pause on its solar rebate program has left many residents and local electricians uncertain, fearing changes to the rebate structure that may affect their financial commitments and project plans. Homeowners who made down payments based on the existing rebate promises find no clear communication from the government about the future of their applications. The local solar installation industry, significantly reliant on these rebates, anticipates potential business disruptions and financial losses, urging the government for better collaboration to ensure program stability.

Thank you.

The Brilliant Energy Institute news team

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(With a little help from ChatGPT)