

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

Energy Policy

Ottawa announces more than \$192 million for Nova Scotia clean energy projects - Toronto Star (Paywall)

https://www.thestar.com/business/ottawa-announces-more-than-192-million-for-nova-scotia-clean-energy-projects/article_1813d577-ce9f-5069-9965-1207d64153a0.html

Six clean energy projects in Nova Scotia will receive more than \$192 million in federal funding. The investment includes \$117.6 million for three 50-megawatt battery storage systems. Additionally, three wind farm projects will receive \$25 million each. These projects will phase out coal by 2030 and increase renewable energy use. The battery storage projects will be operational by 2026, with at least two sites ready by the end of 2025.

Ottawa Community Housing announces new energy-saving projects - CBC

<https://www.cbc.ca/news/canada/ottawa/ottawa-community-housing-announces-new-energy-saving-projects-1.7274696>

Ottawa Community Housing (OCH) and Hydro Ottawa announced new energy-saving projects to reduce carbon emissions. They have installed 37 solar arrays at new and some older buildings, generating half a million kilowatt hours. Next, they plan to install 260 heat pumps and about two dozen building automation systems to improve energy efficiency. The upgrades will lower hydro bills, benefiting tenants. OCH's electric car-share program at 811 Gladstone Ave. has been successful and will expand. The projects support OCH's goal of reducing emissions by 96 per cent by 2040.

U of T's Grid Modernization Centre receives \$10 million in federal funding to advance energy transition - UOFT News

<https://www.utoronto.ca/news/u-t-s-grid-modernization-centre-receives-10-million-federal-funding-advance-energy-transition>

The University of Toronto's Grid Modernization Centre has received \$10 million in federal

funding. The centre was founded by Climate Positive Energy. It will help integrate green technologies. The investment includes \$5 million from FedDev Ontario and \$5 million from Natural Resources Canada. The centre will support testing and development of clean energy solutions. It will address electric vehicle demand and grid reliability. The Grid Modernization Centre plays a key role in Canada's clean energy future.

Hydrogen

Canada announces \$200m subsidy auction for green hydrogen exports to Germany - Hydrogen Insight

<https://www.hydrogeninsight.com/policy/canada-announces-200m-subsidy-auction-for-green-hydrogen-exports-to-germany/2-1-1685369>

Canada will commit C\$300m to an auction for green hydrogen subsidies to Germany. Berlin will match this with €200m after EU approval. The auction will launch by year-end, aiming to boost hydrogen exports. The 1.2GW Project Nujio'qonik in Newfoundland plans to export a million tonnes of ammonia and will decide on investment next year. The EverWind Fuels project in Nova Scotia expects operations to start in 2026.

Nova Scotia approves another wind farm to power green hydrogen plant - CBC

<https://www.cbc.ca/news/canada/nova-scotia/nova-scotia-approves-another-wind-farm-to-power-green-hydrogen-plant-1.7279135>

Nova Scotia has approved a third wind farm to power a green hydrogen and ammonia facility. The 49-turbine, 340-megawatt Windy Ridge project near Debert, N.S., was recently approved. The company plans to have all three wind farms operational by 2026. The projects require further wildlife studies and municipal construction permits. The federal government has loaned \$125 million for the green hydrogen plant.

Nikola and ITD industries launch first hydrogen station in Ontario - World Nuclear News

<https://www.prnewswire.com/news-releases/nikola-and-itd-industries-launch-first-hydrogen-station-in-ontario-302210437.html>

Nikola Corporation and ITD Industries have launched Ontario's first commercial hydrogen refueling station for heavy-duty transportation in Etobicoke. The station at ITD Industries' headquarters uses a 700-bar pressure-fill system for long-range vehicles like the Nikola hydrogen fuel cell electric truck. The event marked a significant step towards a hydrogen-powered future, supported by incentives like Canada's iMHZEV Program. Plans include building more stations across Ontario to create a hydrogen fueling corridor from Windsor to Montreal.

Indigenous Community and Engagement

Ottawa announces \$19M for Kivalliq clean energy projects - Nunatsiq News

<https://nunatsiq.com/stories/article/ottawa-announces-19m-for-kivalliq-clean-energy-projects/>

The federal government announced over \$19 million for clean energy projects in Rankin Inlet, Baker Lake, and Naujaat. These projects aim to reduce dependence on diesel while promoting economic growth. The largest portion, \$18.5 million, will fund a solar and battery energy storage facility in Naujaat, expected to supply 30 per cent of the community's energy demand. Construction starts this summer. An additional \$1.3 million is allocated for wind energy research in Baker Lake and Rankin Inlet, while \$220,000 will support early-stage solar installations in Rankin Inlet, expected to generate power by 2025.

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)