

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

Bruce Power's Bruce C Initial Project Description sets the stage for the future of Ontario's electricity needs - Bruce Power

<https://www.brucepower.com/2024/08/12/bruce-powers-bruce-c-initial-project-description-sets-the-stage-for-the-future-of-ontarios-electricity-needs/>

Bruce Power submitted its Initial Project Description (IPD) for the Bruce C project. The IPD could add up to 4,800 MW of electricity to the Bruce Power site. The public can comment until September 12, 2024. The project has a \$50-million federal investment. Bruce Power aims to meet Ontario's growing energy needs. The site will be operational by 2064.

Alberta expanding electronic recycling program to include solar panels, EV batteries - CTV News

<https://edmonton.ctvnews.ca/alberta-expanding-electronic-recycling-program-to-include-solar-panels-ev-batteries-1.6999322>

Alberta is expanding its electronic recycling program. Solar panels, EV batteries, and wind turbine parts will be included. The first phase starts in April 2025. New items like power tools and small appliances will be recycled. An additional 5,500 tonnes of waste will be diverted from landfills. The province invested \$250,000 in AI technology for hazardous waste detection.

Nuclear

AtkinsRéalis revs up nuclear business to seize on energy transition - Toronto Star (Paywall)

https://www.thestar.com/business/atkinsr-alis-revs-up-nuclear-business-to-seize-on-energy-transition/article_fc2b5b19-d50c-5883-b3dd-5c1a53d99f2e.html

AtkinsRéalis Group Inc.'s nuclear business experienced strong growth last quarter, with revenue increasing by 41 per cent to \$358 million. The company's order book expanded by 57

per cent to \$1.75 billion, supported by contracts from its subsidiary, Candu Energy. Key projects include life extension work at Romania's nuclear reactor and the Qinshan plant in China. The company's profits for the quarter reached \$82.2 million, up from \$63.8 million the previous year.

CNL and Business Development Bank of Canada announce \$20 million investment in General Fusion - Standard Freeholder

<https://www.standard-freeholder.com/news/local-news/cnl-and-business-development-bank-of-canada-announce-20-million-investment-in-general-fusion>

Canadian Nuclear Laboratories and Business Development Bank of Canada have invested \$20 million in General Fusion. The funding supports General Fusion's LM26 program in Richmond, B.C. The program aims to achieve milestones for fusion energy. This investment highlights Canada's commitment to clean energy. Operations will start by the early to mid-2030s. The project has received over \$71 million in total funding since 2023.

'Ontario's moment:' Minister says Canada building blueprint for nuclear energy future - Daily Commercial News

<https://canada.constructconnect.com/dcn/news/usa/2024/08/ontarios-moment-minister-says-canada-building-blueprint-for-nuclear-energy-future>

Ontario is focusing on nuclear energy to support U.S. decarbonization efforts. Canada and the U.S. are collaborating on clean energy projects. Ontario plans to increase nuclear capacity with small modular reactors. The first reactor will be operational by 2029. This project supports shared energy and climate goals.

Critical Minerals

Minister Wilkinson announces new investments in critical minerals in Saskatchewan - Canada Newswire

<https://www.newswire.ca/news-releases/minister-wilkinson-announces-new-investments-in-critical-minerals-in-saskatchewan-842110484.html>

The Government of Canada has announced more than \$16 million in new funding to support the Saskatchewan Research Council (SRC) in advancing bastnaesite processing and critical minerals research. This investment builds on previous support to establish SRC's Rare Earth Processing Facility, the first in Canada. The funding will enable SRC to process bastnaesite from Canadian sources and expand domestic rare earth production. Operations at the expanded facility will commence soon.

Electric Vehicles

Goodyear spending \$575M to expand Ontario plant, produce EV tires - City News

<https://toronto.citynews.ca/2024/08/12/goodyear-spending-575m-to-expand-ontario-plant-produce-ev-tires/>

Goodyear Canada, a tire manufacturing company, will invest \$575 million to expand its Napanee, Ontario plant. The plant will produce electric vehicles and all-terrain tires. The project will add 200 new jobs by 2027. The federal and provincial governments are providing \$64.3 million in funding. The upgrades will make the plant more energy efficient.

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

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(With a little help from ChatGPT)