

Brilliant Energy Institute

Office of the Vice President Research and Innovation

Ontario Tech University

BEI Energy News

Weekly newsletter

June 28, 2024

Top News

Energy Policy

Sask. won't comply with proposed clean electricity regulations; feds call reasons 'incorrect conclusions'

<https://www.cbc.ca/news/canada/saskatchewan/clean-electricity-regulations-1.7246223>

Saskatchewan will not comply with federal clean electricity regulations, citing economic harm. A provincial tribunal report claims the rules will cost billions and reduce job growth. Federal Environment Minister Steven Guilbeault disputes these findings, calling them incorrect. The tribunal, part of the Saskatchewan First Act, aims to protect provincial rights and found that the federal rules would increase electricity costs and are technologically unfeasible. The federal government argues that transitioning to clean energy will lower costs and create jobs.

New clean economy legislation to propel Canada's net zero by 2050 goal

<https://www.offshore-energy.biz/new-clean-economy-legislation-to-propel-canadas-net-zero-by-2050-goal/>

The Government of Canada has enacted the first four Clean Economy Investment Tax Credits (ITCs) to drive the nation towards its 2050 net-zero emissions goal. Ministers Jonathan Wilkinson and Marie-Claude Bibeau announced these ITCs will attract investment, boost innovation, and create jobs. The Clean Technology ITC, Carbon Capture, Utilization and Storage (CCUS) ITC, Clean Technology Manufacturing ITC, and Clean Hydrogen ITC will provide \$93 billion in federal support by 2034-2035. Bill C-59 allows businesses to apply for Clean Technology and CCUS ITCs, while Bill C-69 will enable applications for the other credits this fall. The initiative supports investments in clean technologies, manufacturing, and hydrogen production, fostering Canada's clean economy growth.

Indigenous and Community Engagement

Indigenous Canadian groups see wind project partnership with Enbridge as 'game changer'

<https://www.rechargenews.com/wind/indigenous-canadian-groups-see-wind-project-partnership-with-enbridge-as-game-changer/2-1-1666897>

Enbridge and six First Nations have formed a consortium to develop the 200MW Seven Stars wind farm in Saskatchewan. Announced on June 24, this project is among Canada's most significant clean energy developments involving Indigenous groups and a publicly traded company. Set for commercial operation in 2027, Seven Stars will generate power for over 100,000 homes. Six Nations members can acquire at least 30 per cent ownership of the facility, marking a significant milestone in Indigenous participation in clean energy.

Building Infrastructure

Hydro Ottawa says 'massive' investment needed to meet electricity demands

<https://www.cbc.ca/news/canada/ottawa/hydro-ottawa-says-massive-investment-needed-to-meet-electricity-demands-1.7246175?cmp=rss>

Hydro Ottawa needs a massive investment to meet rising electricity demands due to severe weather and increased use of electric heating and vehicles. CEO Bryce Conrad said capital spending must double, with new substations built annually instead of every five years. He called for federal and provincial support, as costs are too high for Ottawa alone. Mayor Mark Sutcliffe agreed on the need for joint efforts to build infrastructure. Conrad also mentioned extending the lifespan of existing assets and ruled out a dividend moratorium.

B.C. needs new energy plan amid supply concerns, former minister says

<https://globalnews.ca/news/10577936/bc-new-energy-plan/>

British Columbia needs a new energy plan to address concerns about power supply. Barry Penner, now chair of the Energy Futures Institute, highlights the province's reliance on power imports, which he argues is problematic. BC Hydro disputes this, though Penner cites record levels of electricity imports. The North American Electric Reliability Corporation warns that above-normal demand and low hydro output will cause reserve shortages this summer. British Columbia faces challenges like drought, wildfires, and rapid electrification, increasing the risk of electricity shortages.

Shell announces carbon capture project Polaris in Canada flurry of deal-making in

renewables sector: report

<https://www.greentechlead.com/renewable-energy/shell-announces-carbon-capture-project-polaris-in-canada-47006>

Shell Canada announced Polaris, a carbon capture project at its Scotford refinery and chemicals complex in Alberta. Polaris will capture about 650,000 tonnes of CO₂ annually. In addition to the Polaris project, Shell will move forward with the Atlas Carbon Storage Hub, collaborating with ATCO EnPower to ensure permanent CO₂ storage. Operations will begin by late 2028. Polaris aims to reduce CO₂ emissions by up to 40 per cent at the refinery and 22 per cent at the chemicals complex. Shell plans to invest \$10-\$15 billion from 2023-2025 in low-carbon energy solutions.

Grid Management

Net-zero grid could spark flurry of deal-making in renewables sector: report

https://www.thestar.com/business/net-zero-grid-could-spark-flurry-of-deal-making-in-renewables-sector-report/article_c7af4aa7-a0a3-556e-8601-81c8413fad97.html

Decarbonizing Canada's electricity grid will boost mergers and acquisitions in the renewable energy sector, according to a PwC Canada report. The first half of 2024 saw fewer deals, but activity will increase as interest rates stabilize. PwC deals partner Derek Chu highlighted the renewable sector's potential, noting that \$400 billion will be needed for grid investment by 2050. The draft clean electricity regulations aim for a net-zero grid by 2035, potentially driving more deals in renewable projects. Opportunities for international investors and related businesses will grow.

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)