



## IN THIS ISSUE

[Ontario News](#)

[Alberta News](#)

[USA News](#)

[CEM News](#)

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## Lesley Gallinger appointed IESO President and CEO

The Ontario Independent Electricity System Operator (IESO) appointed Lesley Gallinger as its new President and CEO, effective May 25, 2021. Ms. Gallinger will replace Terry Young, who has been Interim President and CEO since the departure of Peter Gregg last fall, and who will continue in this capacity in the near term to assist with transition.



Ms. Gallinger is certainly well known in the Ontario energy community. She has led Elexicon Energy as its inaugural President and CEO following the successful merger of Veridian Connections and Whitby Hydro. A results-oriented executive with a demonstrated history in the energy industry, she has considerable experience in strategic planning, management, mergers and acquisitions, and leadership. We at CEM want to extend our congratulations to Ms. Gallinger and wish her great success in her new role. (Source, of Power Advisory)

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## The tech is finally ready and a big energy storage project is set to unlock benefits for all Ontarians

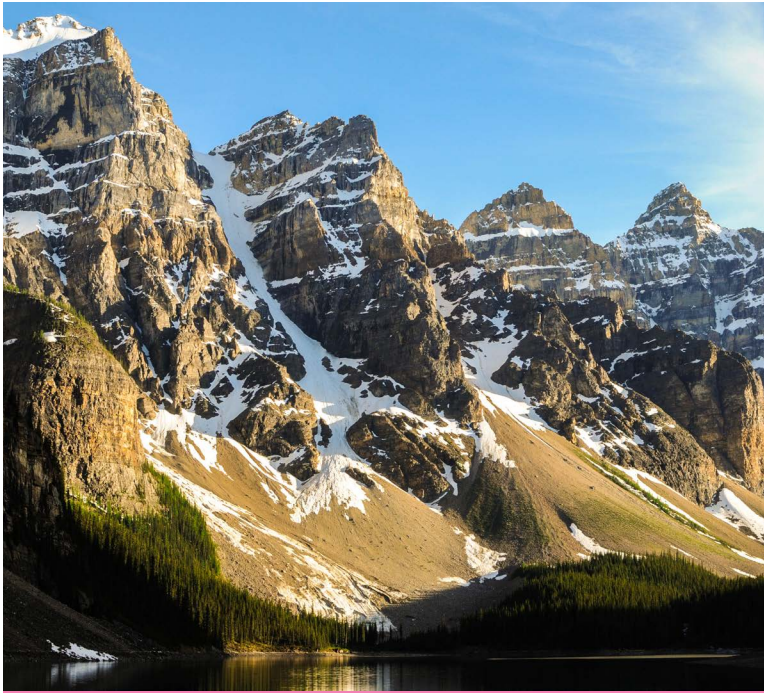
Ontario produces a lot of electricity — but sometimes it's too much, and other times, despite all our various kinds of power plants, it's still not enough. What we've long needed is good battery storage, and last week a huge new project, driven by the latest technology, was announced that could make that dream a reality.

NRStor Incorporated and the Six Nations of the Grand River Development Corporation were proud last week to announce their commitment to develop what could become one of the world's largest energy storage facilities.

Through its plan to build in Jarvis, south of Hamilton, Oneida Energy Storage will, according to a third-party study, lower

electricity system costs by up to \$760 million over its lifetime — at no cost to electricity consumers. This will help to drive down bills for residents and businesses by making electricity more efficient and affordable. The Oneida Energy Storage Project can be a big part of the solution. The 250MW/1,000MWh project is large enough to retain excess power produced at night — when it is otherwise “dumped” — and discharge it to the grid when we need it. This will reduce reliance on older carbon-intensive generators, or even the need to build new gas plants in the future. (Source, The Toronto Star)

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## Support for businesses to create jobs and cut emissions

Emissions reductions Alberta has launched a \$55 million dollar (as of February 1st, 2021) funding initiative for Alberta businesses to improve efficiency and reduce emissions. Up to \$250,000 is available per project and up to \$500,000 per parent company is available to cover the cost of products and services. Products eligible for incentive include:

- Compressed air measures
- Process heating\*
- Refrigeration
- Food service\*
- HVAC\*
- Motors and drives
- Water heating\*
- Solar PV
- Combined heat and power (CHP)
- Lighting systems
- Building envelope and windows\*
- Geothermal

(Source, [electricenergyonline.com](http://electricenergyonline.com))

[Contact CEM](#) to learn more about this great funding opportunity and how we can help you with your Combined heat and power (CHP) projects.

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## Fast Facts: Demand, Supply, Price all Ontarians

Changing electricity patterns due to the COVID-19 pandemic, resulted in the 2nd lowest electricity use since 1988, at 132.2 TWh in 2020. Despite the overall drop, increased residential air conditioning demand from people staying at home and the Industrial Conservation Initiative hiatus, resulted in peak demand rising to 24,446 MW on July 9. The highest peak since 2013.

Get more electricity system fast facts on demand, supply, price and more in the 2020 Year in Review below. (Source, IESO)

## Enbridge Sets New Environmental, Social and Governance Goals for the Future

- Net zero target by 2050; 35% reduction in greenhouse gas emissions intensity by 2030
- Accelerated diversity representation in the workforce
- Incentive compensation linked to progress on ESG targets and goals

Enbridge Inc. (TSX: ENB) (NYSE: ENB) (Enbridge or the Company) announced expanded environmental, social and governance (ESG) goals and targets related to greenhouse gas (GHG) emissions reduction and diversity and inclusion as well as increasing transparency and accountability of ESG priorities and results. Setting goals in areas core to their business and stakeholders is just one of the ways Enbridge is further integrating ESG into strategy, operations and decision-making.

Enbridge's ESG goals include:

- A new goal to achieve net zero GHG emissions by 2050; with an interim target to reduce GHG emissions intensity 35% by 2030
- Increased representation of diverse groups within our workforce by 2025 including acceleration of existing goals of 28% from Racial and Ethnic groups, along with new actions to enhance supplier diversity
- Further strengthening Board diversity with an increased goal of 40% representation of women and new goal of 20% of Racial and Ethnic groups by 2025
- Most transparency and reporting of safety and reliability targets that drive continuous improvement towards our goal of zero incidents, injuries and occupational illnesses, and implementation of robust cyber defense programs (Source, Enbridge)

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## New tool calculates solar potential of any location in Canada

An open-source web-mapping application that provides estimates of photovoltaic potential and daily global insolation rates for any location in Canada has been launched by Canada's Ministry of Natural Resources. The maps – designed by the Canadian Forest Service, the CanmetENERGY Renewable Energy Integration group, and the Federal Geospatial Platform – also include data provided by Environment and Climate Change Canada.

(Source, PV-Magazine)



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## Renewable Energy in 2021

Renewable energy capacity additions in the United States nearly doubled in the first half of the year compared to 2019, and despite delays caused by the COVID-19 pandemic, additions for 2020 are expected to exceed 2019 (29GW vs 22GW). These additions were partly due to developers rushing to complete projects prior to the step down in the production tax credit (PTC). But they also represent increased demand from state regulators, utilities, and corporations. Each of these groups are recognizing the risk associated with climate change and their role in the energy market. (Source, Enel-X Blog)

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## Chevron may not be an oil-first company in 2040, CEO says

Chevron has built a \$170 billion fossil fuels empire that has made the 141-year-old company synonymous with the oil-and-gas industry.

But the climate crisis is forcing oil companies large and small to rethink their once-reliable business models.

While US oil companies have been far more reluctant than their European rivals to shift away from their cash cows, even Chevron CEO Michael Wirth concedes his company may look different in 2040.

The Chevron (CVX) boss pointed specifically to expansions into cleaner alternatives such as green hydrogen, renewable natural gas and carbon capture and storage.

(Source, CNN Business)

## VIDEO

“Did you know?” is a short program served up in bite sized informative chunks, with the goal of bringing you quick and fun animated videos with an array of topics like, what is Combined heat and power? How does the use of fossil fuels affect climate change? What is biogas? And many many more.



Click the thumbnail to play

A video that follows our install of a Hybrid CHP system @ Timmins and District Hospital. With many obstacles in our way including freezing temperatures and COVID-19, CEM and Stolk Construction were able to successfully complete the project for an amazing client. Congratulaitons everyone!



Click the thumbnail to play