Edgeware Energy Storage

Edgeware Energy Storage Project will be located in the City of St. Thomas in Elgin County, Ontario. The Project was awarded a contract under the Independent Electricity System Operator's (IESO) Long-Term 1 procurement in May 2024. Under the terms of the 20-year contract, the Edgeware Energy Storage Project will sell the energy, capacity, and ancillary services delivered from the 75-megawatt (300MWh) energy storage facility to the IESO. It is targeted to reach commercial operations in 2028

75 MW
ESTIMATED COMMERCIAL OPERATION DATE **2028**

Edgeware Energy Storage's generation is equivalent to the consumption of more than **9,000 of Ontario homes**.[1]

Edgeware Energy Storage would saves approximately **140 million gallons** of water each year and prevents the air pollution that causes smog, acid rain, and climate change.[2]

Economic benefits

Thousands of dollars
CAPITAL INVESTMENT[3]

Thousands of dollars
WOULD BE PAID TO LOCAL GOVERNMENTS

SERVERAL PERMANENT JOBS[4]
Would be created

SERVERAL CONSTRUCTION JOBS[4]
Would be created

Caldwell First Nation
Edgeware is located on the traditional territory of Caldwell First Nation. The revenue generated from the project will be directly invested back into the community.

City of St. Thomas
Edgware is being developed on previously unused industrial land within the City of St. Thomas. The project will support the City's rapidly developing manufacturing industry.

Province of Ontario
This energy storage project will contribute to the reliability of the Ontario transmission grid to support the province's continued growth and economic growth development.

EDPR NA presence in Canada

400 + MW

of renewable energy generation

About us

Edgeware Energy Storage would utilize a series of self-contained battery units located on approximately 5 acres of the land.

Power generated at Edgeware Energy Storage would **strengthen the Ontario electric grid.**

Edgeware Energy Storage would **provide provincial energy security** and helps diversify domestic supply.

An estimated 8-12 GW of energy storage potential would optimally support the net-zero transition of the Canadian electricity supply mix by 2035.[5]

About EDP Renewables Canada
EDP Renewables Canada Ltd. (EDPR Canada) is a wholly owned subsidiary of EDP Renováveis, S.A. EDPR Canada is headquartered in Toronto, Ontario and has been developing projects since 2012. The company currently operates the South Branch Wind Farm, the Nation Rise Wind Farm in Ontario, and the Sharp Hills Wind Farm in Alberta. EDPR Canada has over 1 GW of wind, solar, and battery storage projects in development across the country. The company is supported by EDP Renewables North America, headquartered in Houston, Texas.

About EDP Renewables North America
EDP Renewables North America LLC (EDPR NA), its affiliates, and its subsidiaries develop, construct, own, and operate wind farms, solar parks, and energy storage systems throughout North America. Headquartered in Houston, Texas, with 61 wind farms, 26 solar parks, and eight regional offices across North America, EDPR NA has developed more than 12,000 megawatts (MW) and operates more than 11,400 MW of onshore utility-scale renewable energy projects. With more than 1,000 employees, EDPR NA's highly qualified team has a proven capacity to execute projects across the continent.

EDPR NA is a wholly owned subsidiary of EDP Renewables (Euronext: EDPR). EDPR is a global leader in renewable energy development with a presence in four regions including Europe, North America, South America and Asia Pacific. We have a sound development portfolio of top-level assets and market-leading operating capacity in renewable energies.

EDPR is a division of EDP, a global leader in renewables and the energy transition with over 13000 employees worldwide. The group is committed to becoming coal free by 2025 and all-green by 2030, a global ambition that reflects EDP's role and accelerates its sustainable growth over the longer term. In addition to strong renewable assets, EDP also operates across the globe in electricity networks, client solutions and energy management. The group is acknowledged as the most sustainable electricity company in the Dow Jones Sustainability Index.

For more information, visit **www.edpr.com/north-america**.

edp Renewables

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[1] Power generation calculated using a 16.7% capacity factor for energy storage based on the U.S. Department of Energy's Office of Energy Efficiency and Renewable Energy 2021 Report. Household consumption based on the 2020 EnergyHub.org Data monthly average consumption of Canada.

[2] Assumes 0.58 gallons of water consumed per kWh of conventional electricity from Lee, Han, & Elgowainy, 2016.

[3] Based on Canadian Renewable Energy Association research as of 2022.

[4] Full-time equivalent jobs calculated by dividing number of contractor hours worked during construction by 2080.

5 Based on Energy Storage Canada Energy Storage Report of 2022.