

Labrador-Island Link: Delivering More Renewable Energy to the Island and Beyond

History

On April 14, 2023, a significant milestone in Hydro's history occurred – commissioning of the Labrador-Island Link.

The link consists of a high voltage direct current (HVdc) transmission system that runs from central Labrador to Soliders Pond in Newfoundland. This makes the Labrador-Island Link the third longest HVdc transmission line in Canada, with a notable subsea component, across the Strait of Belle Isle.

Together with the previously commissioned assets of the Muskrat Falls Generating Station and the Labrador Transmission Assets, commissioning of the Labrador-Island Link marks the completion and commissioning of the entire Lower Churchill Project.

Facts

- Length: **1,100 km**
- Maximum Capacity: **900 MW**
- Date of Commissioning:
April 14, 2023
- Delivered **four times** the amount of electricity to Island customers in 2023 than 2022.

How it's Making a Sustainable Impact:

Renewable Energy Delivery

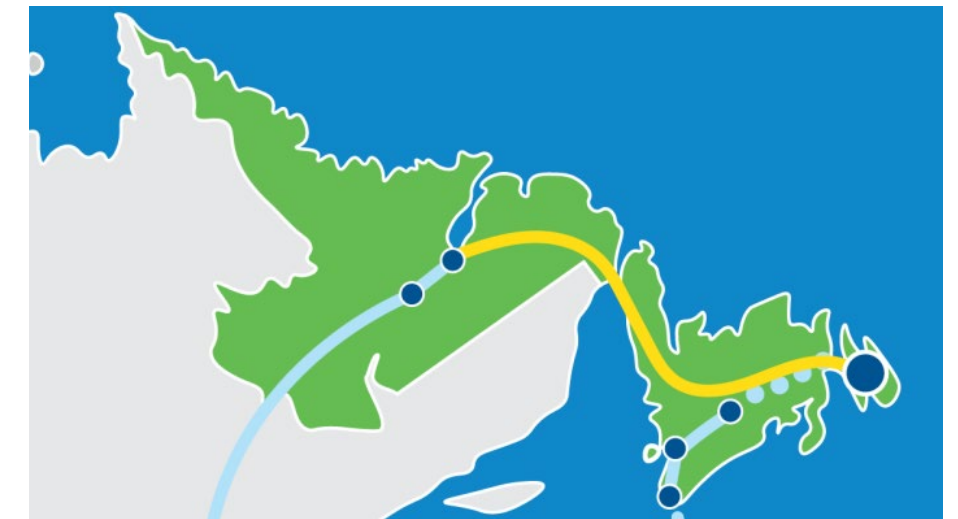
Enabled 797 gigawatt hours (GWh) of additional renewable energy to be delivered to customers on the Island (Newfoundland). **This is the equivalent of powering over 50,000 homes for an entire year.**

Greenhouse Gas Reduction

Helped reduce our reliance on fossil fuels by contributing to an approximate 13% reduction in energy production at the Holyrood Thermal Generation Station, compared to 2022. **This decreased our greenhouse gas emissions at this site by 7% over the prior year.**

Export Revenue

Supported 1,967 GWh of excess energy to be exported and sold through the Maritime Link in 2023. **This supported our neighbours in achieving their renewable energy targets, including supplying 20% of Nova Scotia's energy needs.**



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REPORT**