

The Energy Forum

Panel intro:

The Evolving Northeastern Energy Mix, Challenges and Opportunities

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Hydro-Québec

The largest generator of clean renewable energy in North America:

202.7 TWh

of net electricity sales in 2020

MORE THAN

99.6%

clean energy

31.3 TWh

of net electricity exports in 2020

15

interconnections

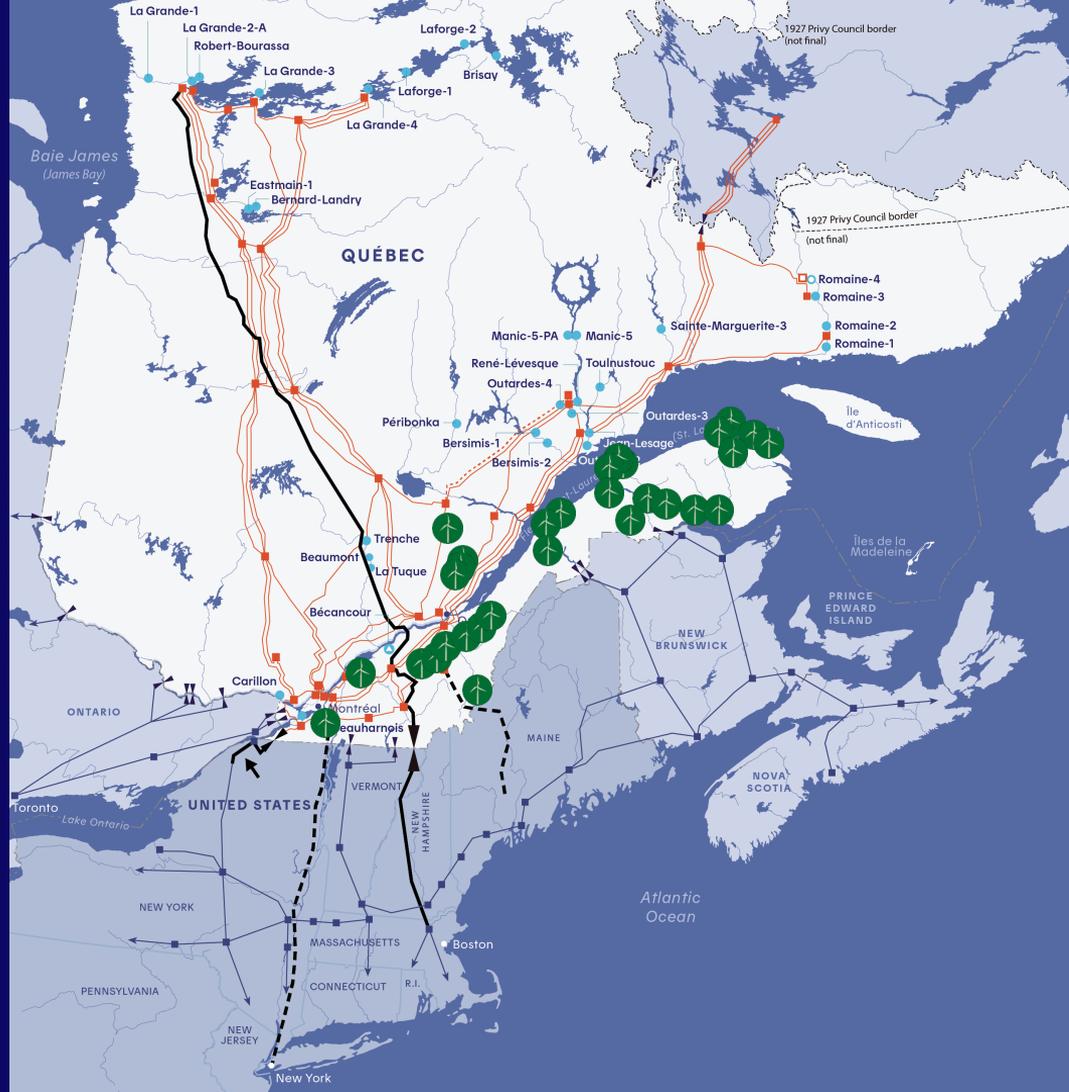
36.7 GW

of installed hydropower capacity

Last transmission line into U.S. Northeast markets built over 30 years ago.

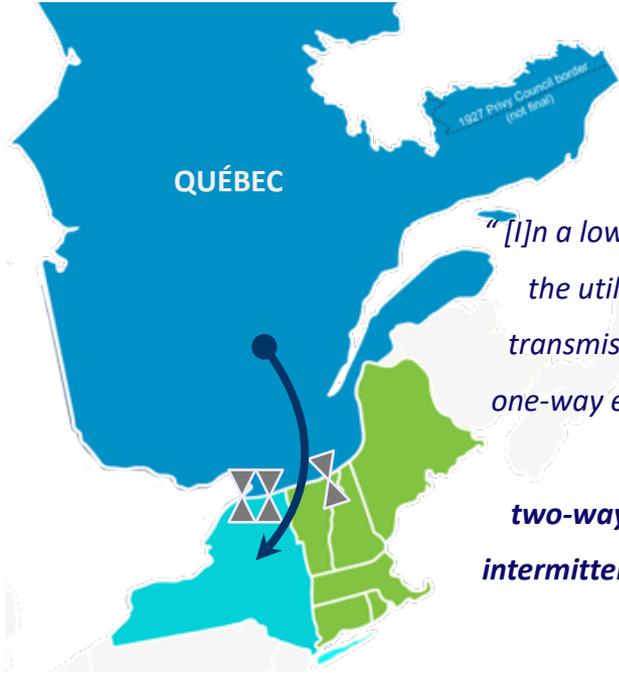
Major transmission line projects:

-> Maine and New York



Deep Decarbonization in the Northeast

Historical export



"[I]n a low-carbon future, it is optimal to shift the utilization of the existing hydro and transmission assets away from facilitating one-way export of electricity from Canada to the U.S. and toward a two-way trading of electricity to balance intermittent U.S. wind and solar generation."

Future trading



Source: MIT Center for Energy and Environmental Policy Research: *Two-Way Trade in Green Electrons: Deep Decarbonization of the Northeastern U.S. and the Role of Canadian Hydropower*
<http://ceep.mit.edu/publications/working-papers/719>

Partnership – Hydro-Québec & Indigenous Communities

OVER

40 YEARS
AGO,

Hydro-Québec formed its first partnerships with Indigenous communities in Québec, for the vast Baie-James hydropower development project.

50 PROJECT-RELATED
AGREEMENTS

signed with Indigenous communities.

OBJECTIVES & VALUES

Developing sustainable, mutually beneficial partnerships with Indigenous communities.

RECENT PARTNERSHIPS

Contract to purchase electricity produced by the Apuiat wind farm.

Partnership with the Mohawk Council of Kahnawà:ke for the Québec line that will deliver clean energy to New York.



