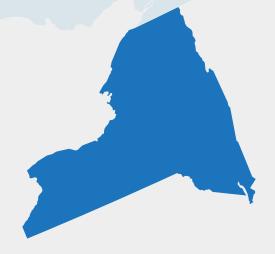


QUÉBEC'S HYDROPOWER RESOURCES
POWERING THE EMPIRE STATE

#### LONG-TERM SOLUTIONS FOR NEW YORK'S CLEAN ENERGY FUTURE

Hydro-Québec, New York's energy partner for decades, offers the reliability, robustness, low-carbon content and flexibility of its hydropower system in the development of solutions to help meet various renewable energy and climate goals.





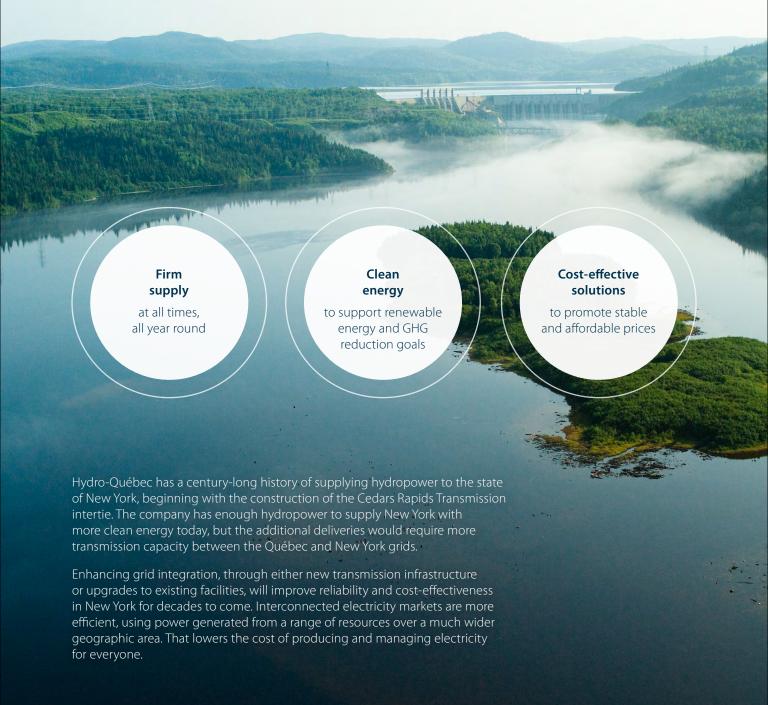


QUÉBEC

HYDROPOWER
CAN MEET 25%
OF THE REMAINING
TARGET QUANTITY.\*

\*Based on additional transmission capacity of 1,000 MW.

### QUÉBEC HAS THE CLEAN ENERGY NEW YORK IS LOOKING FOR





#### ENERGY, CAPACITY AND ENVIRONMENTAL ATTRIBUTES

Hydro-Québec has a fleet of 62 hydroelectric generating stations, including one off-grid station. Power comes from the entire system, not from just one particular generating facility, and is carried over a robust high-voltage transmission system. For this reason, supply is not affected by maintenance or equipment failure at any single facility.

Not only is hydropower a constant, permanently available energy source, it's also flexible. Thanks to its storage capacity, a reservoir generating station can respond instantly to changes in demand. Hydro-Québec uses this feature of its hydropower system to develop solutions in keeping with its customers' needs, such as increasing energy deliveries during high-demand periods in summer and winter, and partnering with developers and system operators to reliably integrate intermittent renewables like wind and solar.

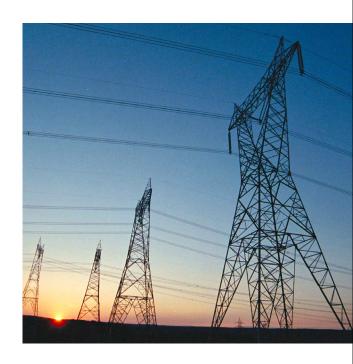
#### COMPETITIVE AND COST-EFFECTIVE FOR DECADES TO COME

Renewable energy deliveries from Hydro-Québec are among the most competitively priced options available to New York.

The unique characteristics of Hydro-Québec's power system provide the opportunity for competitive and stable energy pricing for customers over the long term.

- Hydropower generating stations are efficient and have very long lifespans.
- Once built, these facilities have predictable operating costs.
- Delivery of large quantities of energy maximizes the value of existing transmission infrastructure and improves the cost-effectiveness of new transmission investment.

Hydro-Québec proposes a competitively priced, high-value product customized to meet the economic, environmental and reliability needs of customers in New York.



#### QUÉBEC ENERGY FOR A LOW-CARBON FUTURE

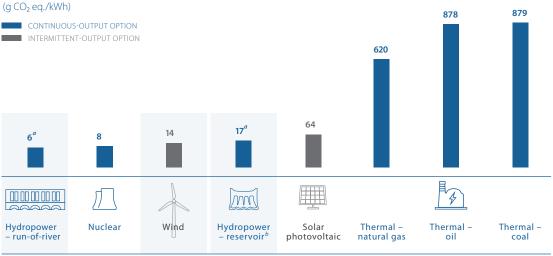
Québec hydropower can be part of the solution to the major challenges facing North America in reducing greenhouse gas emissions and ensuring a secure electricity supply.

# VAST HYDROPOWER RESOURCES 99% of our electricity is generated from water > 4,500 rivers, 75 of which have been developed for power generation Hydropower ranks among the lowest-emission generating options per kilowatthour.

#### QUÉBEC ELECTRICITY, CLEAN ENERGY PAR EXCELLENCE

GHG emissions – power generation options based on life-cycle analysis

[www.hydroquebec.com/developpement-durable/centre-documentation/pdf/15094A.pdf]



a) Hydro-Québec's results.

b) Reservoir hydropower differs from run-of-river hydropower with respect to GHG emissions. After it is impounded, a reservoir releases GHG emissions, the emission rate diminishing gradually over the following ten years. This is why GHG emission rates are higher for reservoir hydropower than for run-of-river hydropower.

## HYDRO-QUÉBEC: THE BATTERY OF NORTHEAST NORTH AMERICA

In addition to being a major source of clean energy, Hydro-Québec's vast reservoir system enables it to firm up intermittent renewables, absorb excess generation from surrounding markets and flow that power back onto those grids when it is most needed.

#### WORKING WITH HYDRO-QUÉBEC OFFERS EXCEPTIONAL ADVANTAGES TO NEW YORK:

- Clean energy that will help the state meet its clean energy goals in the most cost-effective way
- Energy now Hydro-Québec's hydropower resources are already in service
- Enhanced reliability Hydro-Québec's vast generation and transmission system supports deliveries
- Foreseeable long-range operating costs Hydro-Québec can offer long-term contracts with competitive pricing far into the future
- Extensive experience in operations and maintenance
- Proven track record in developing large energy projects

As a region, we've been working together in the energy sector for decades. But Québec can do more to ensure a low-carbon future for the entire Northeast.

