

Reaching New York's 50 by 30 Goal

Building A Region-Wide Renewable Energy Market

Governor Cuomo's commitment to obtaining 50% of the state's electricity from renewables by 2030 (50 by 30) is setting a national standard for carbon reduction and electricity grid transformation. The goal is ambitious and achievable. Achieving it requires thinking and planning regionally. New York must create - and position itself at the center of - a regional renewables market to expand trade, drive down the cost of renewable power, and move it to the cities and suburbs where most people live.



Renewable Energy Development Challenges

The principal challenges facing renewable energy are the land area required for projects that can achieve economies of scale, the distances that this power must travel to reach markets, and the grid congestion that limits the amount of renewable energy that can reach these markets.



A Regional Renewable Energy Solution

Renewable energy development challenges can be solved by creating a regional energy market to stimulate trade, drive down the cost of renewable energy, and spur economic growth. New transmission lines are necessary to move renewable energy from where it is affordable to where it is needed and to reduce grid congestion to ease access to markets. Importing and exporting renewable energy across northeastern North America creates a winning combination: opening markets, increasing competition, and reducing costs.

Increased transmission is necessary to deliver renewable energy to markets. Where the existing electrical grid is inadequate, new transmission lines will have to be built. Where electricity must be shipped over long distances, high-voltage, direct current (HVDC) links can do so most efficiently. The new regional renewables market will stimulate development in the wind (or hydro)-rich areas of western and northern New York, eastern Canada, as well as Pennsylvania, Ohio, and Indiana.

HVDC TECHNOLOGY

HVDC technology is deployed around the world to transport energy over long distances. It is widely understood to have **no impact on the environment or health and human safety.**

HVDC cables are routinely buried underground or underwater to minimize community impacts.

CREATING A WIN-WIN WITH REGIONAL TRANSMISSION



Wind-rich rural areas, such as western New York, deliver affordable renewable to urban markets.



Demand for clean energy in markets like New York City and Long Island spurs rural economic development.

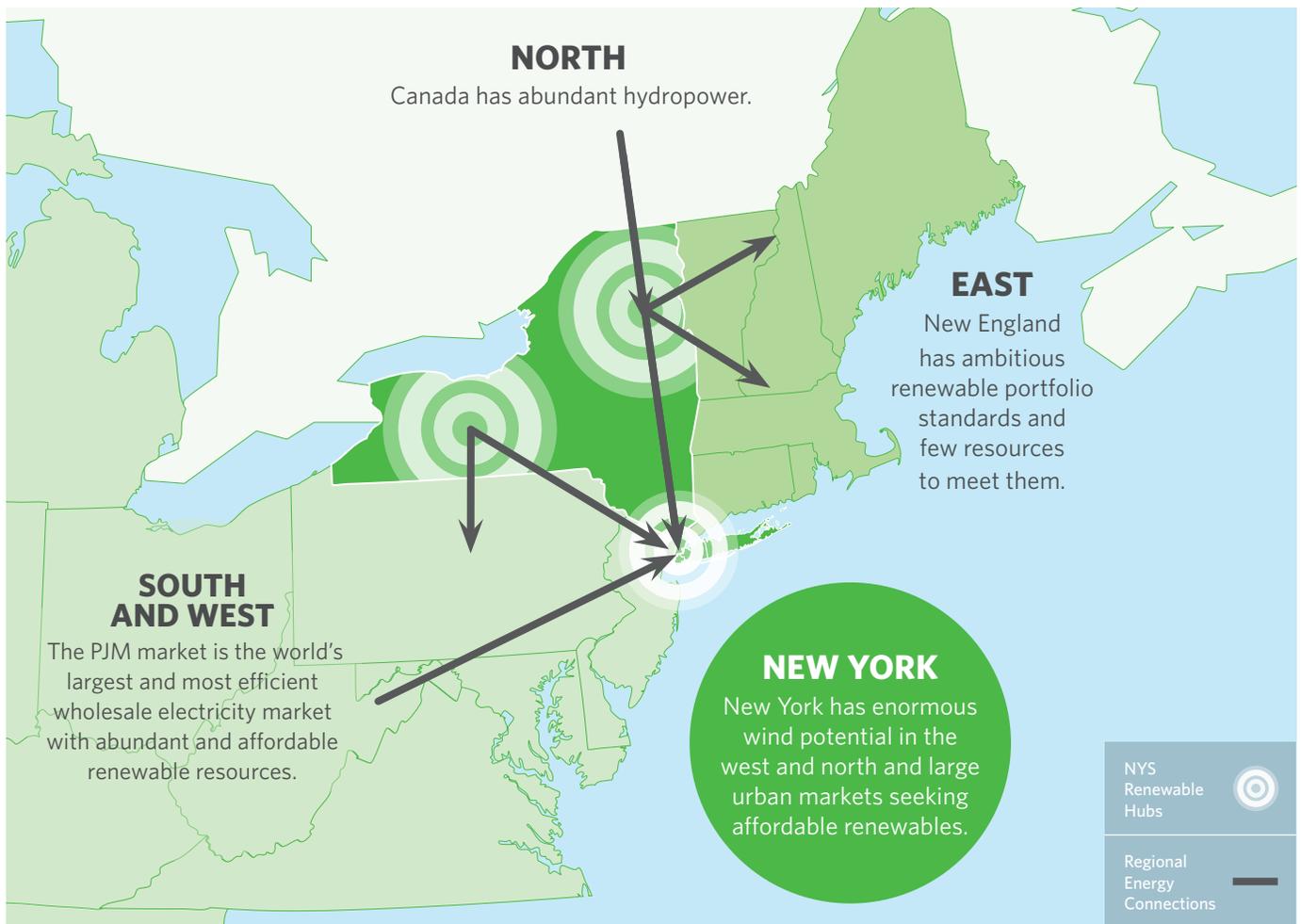


New York Can Lead the Way

New York is poised to play a national role in carbon reduction. By building on its pivotal location, economic power, and political prominence, New York can create a regional market in renewable energy trade that will spur competition, drive down the cost of renewables, boost the economy, and help achieve major reductions in carbon.

New York offers extraordinary competitive advantages. It has its **own low-carbon resources** including abundant, only minimally tapped wind in western and northern New York. New York City and its suburbs constitute the **most lucrative renewable market in the nation**. Finally, New York is where three of the great power markets of North America meet.

New York has built regional markets before, to its benefit as well as the nation's. The "Empire State" is so-named because of the leadership it exercised historically in expanding trade and transforming our economy. New York can build on this legacy by creating a region-wide renewable energy market.



Anbaric is an independent transmission and microgrid company with more than \$4 billion in infrastructure projects under development throughout the northeastern United States. To learn more about our regional approach to renewable energy: anbaric.com. To see our white paper on meeting 50 by 30: anbarictransmission.com/reaching-new-yorks-50-by-30-goal-an-anbaric-white-paper/.