

Advancing New York's Green New Deal with Offshore Wind



NYSERDA

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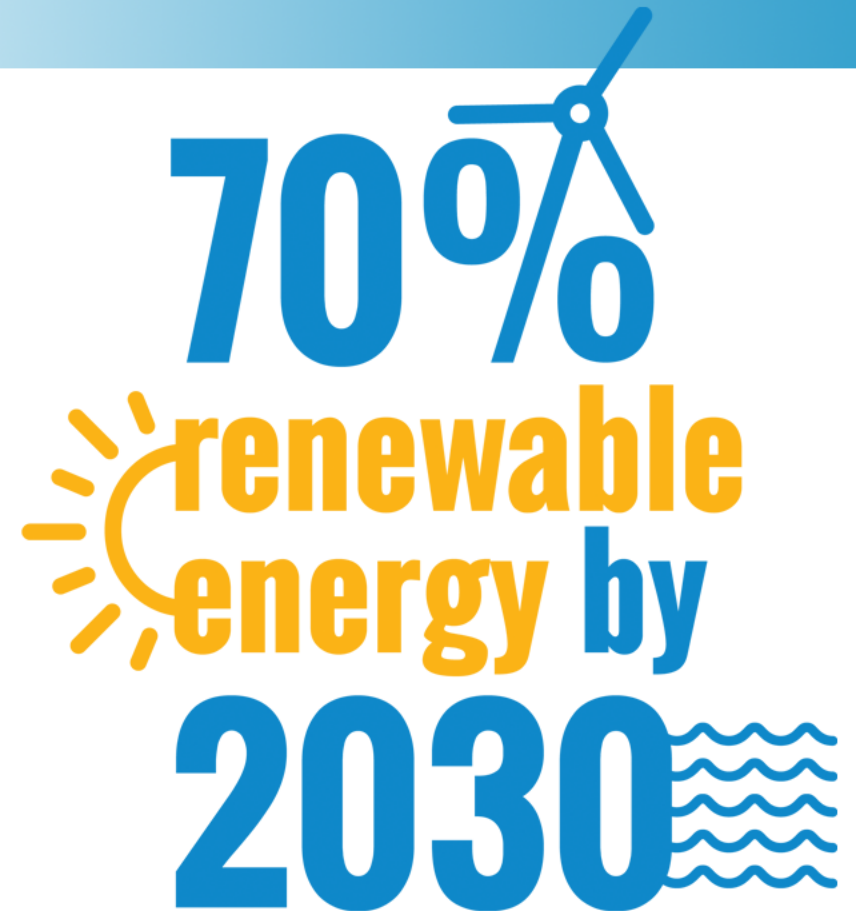
March 5, 2019

Rockefeller Institute

Green New Deal

Governor Andrew M. Cuomo has made a historic commitment to transforming New York's electricity sector to be **100% carbon-free by 2040** and putting the State on the path to eventually eliminating its carbon footprint all together

70%
renewable
energy by
2030



A photograph of several offshore wind turbines in the ocean at sunset. The sky is a mix of orange, pink, and blue, with some clouds. The water is calm and reflects the light from the sky. The turbines are dark silhouettes against the bright sky.

OFFSHORE WIND ENERGY

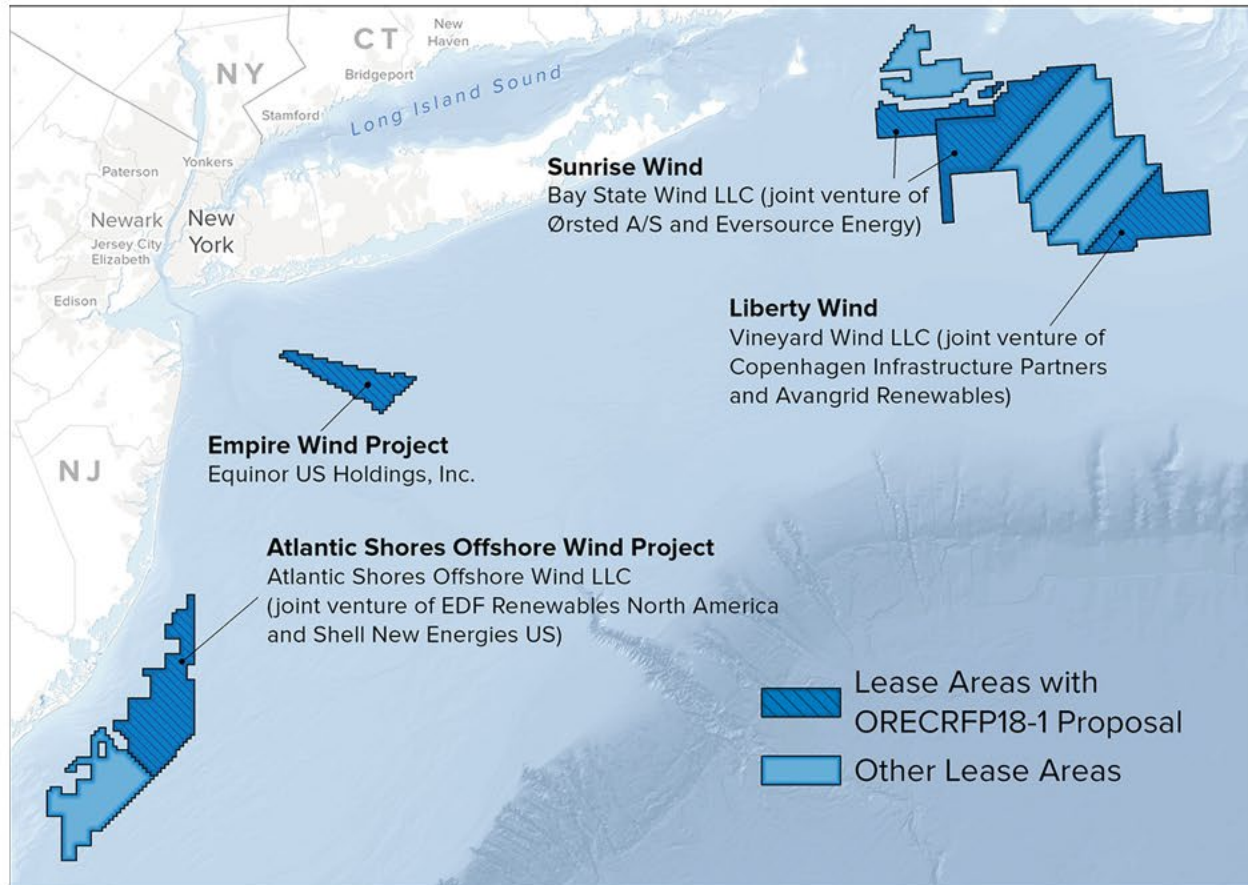
9,000 MW

BY 2035

**Largest Commitment
in the U.S.**

**enough to power up to
6 million homes**

Record Response to Solicitation



**Four developers submitted
18 total bids**

- > Awards expected Spring 2019
- > Bids are located at nyscrda.ny.gov/OSW-2018-Solicitation

Regional Offshore Wind Procurement

MA

Vineyard Wind was selected to deliver **800 MW** of offshore wind energy to Massachusetts



VINEYARD WIND

RI

Deepwater Wind's (Ørsted's) Revolution Wind was selected deliver **400 MW** of offshore wind energy to Rhode Island



REVOLUTION WIND

CT

Ørsted's Revolution Wind was selected to deliver **300 MW** of offshore wind energy to Connecticut



REVOLUTION WIND

2019 State of the State Offshore Wind Proposals

Port Infrastructure



Invest up to **\$200 million in port infrastructure** to match private-sector investment in regional development of offshore wind to capture long-term economic benefits for New Yorkers

Workforce Development



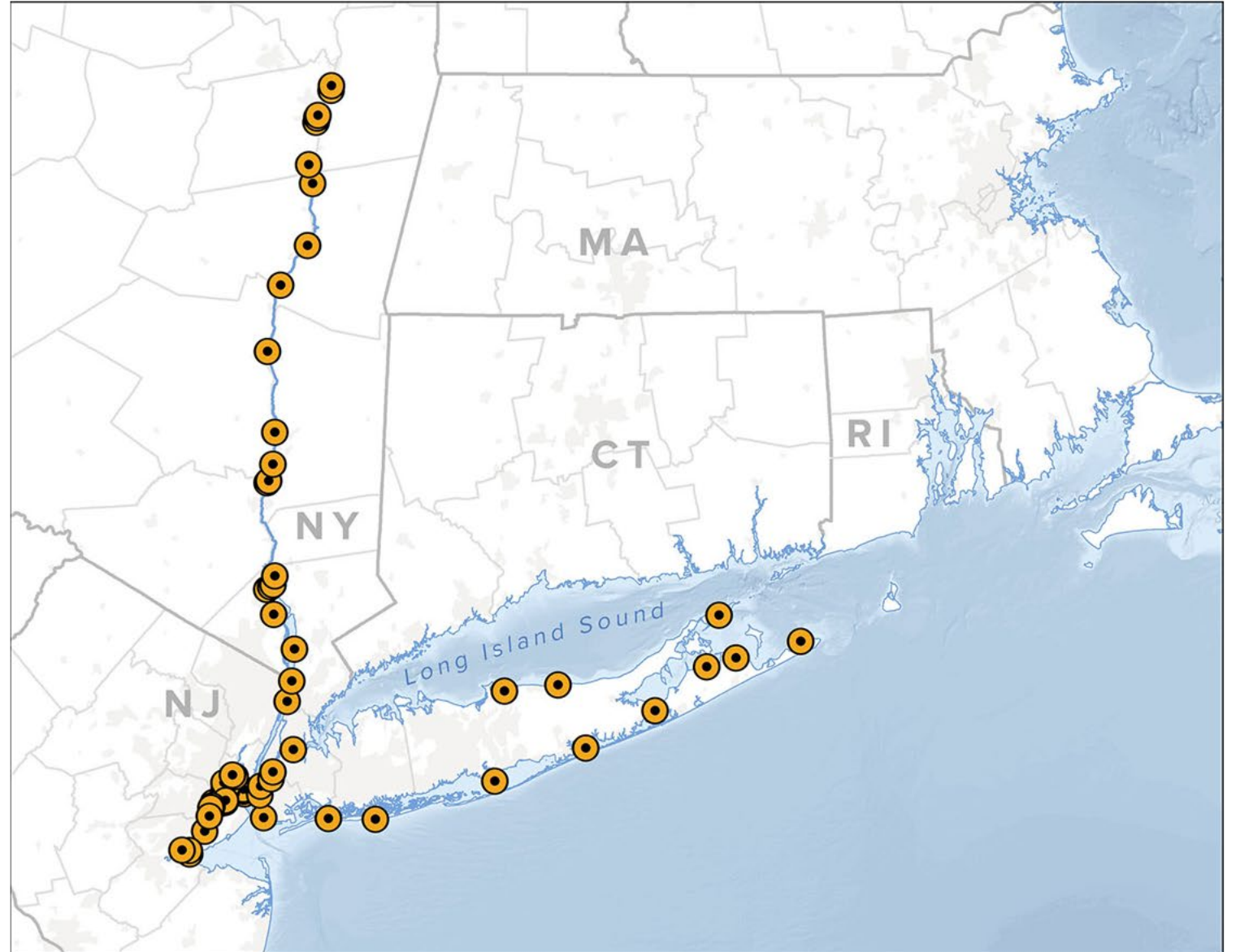
Establish the **New York State Advisory Council on Offshore Wind Economic and Workforce Development** and invest in an **offshore wind training center** to provide New Yorkers with the required skills and safety training

Transmission



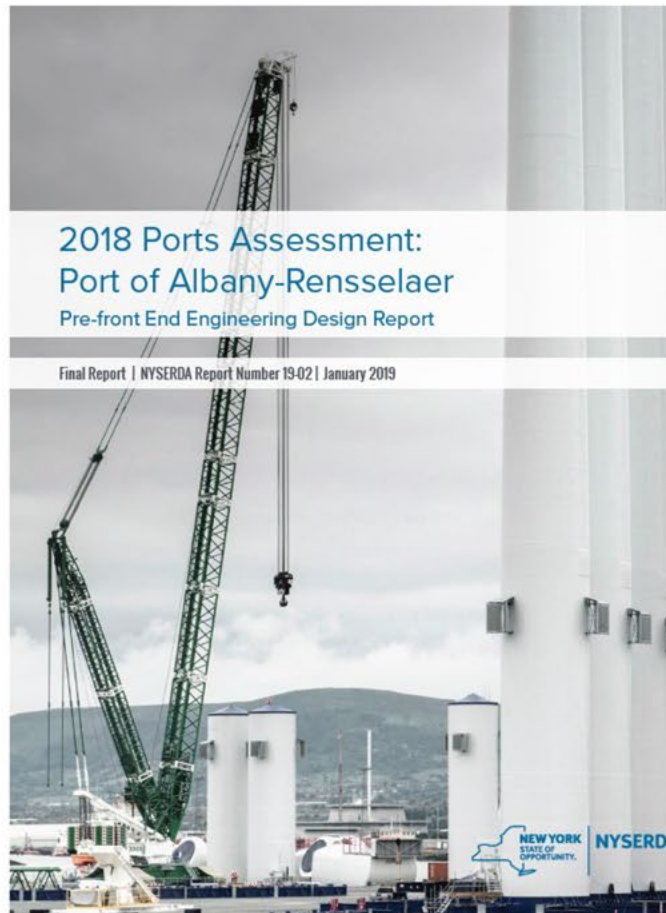
Evaluate and facilitate the development of an **offshore transmission grid** to benefit New York ratepayers by driving down offshore wind generation and integration costs

Potential Offshore Wind Ports



2018 Ports Assessment

Site-Specific Studies



largest investment by any state

in offshore wind port infrastructure



Photo: Port of Esbjerg (Esbjerg, Denmark)
Courtesy of MHI Vestas Offshore Wind

National Offshore Wind Research & Development Consortium



Dedicated to managing industry-focused research and development of offshore wind to maximize economic benefits for the U.S.

Prioritized **Research and Development Roadmap** and **Notice of Upcoming Technical Challenges** published in November 2018

First solicitations expected in Q1 of 2019

- > Offshore Wind Plant Technology Advancement
- > Offshore Wind Power Resource and Physical Site Characterization
- > Installation, O&M and Supply Chain Solutions



Questions?

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