



NYSERDA

NYSERDA Offshore Wind 2021 Awards

**Coeymans Town Board Meeting
February 25, 2021**



New York's Climate Law

Signed into law in 2019, the Climate Leadership and Community Protection Act (CLCPA) charts a path towards a clean energy economy





New York is committed to
100% clean
carbon-free electricity

by 2040

most aggressive in the nation

An illustration of several offshore wind turbines in a row, receding into the distance. The turbines are grey with three blades each. They are set against a light blue background with soft, rounded shapes representing clouds or waves. The base of the turbines is a dark blue line representing the water surface.

9,000 MW
of offshore wind
by 2035

10,000 JOBS

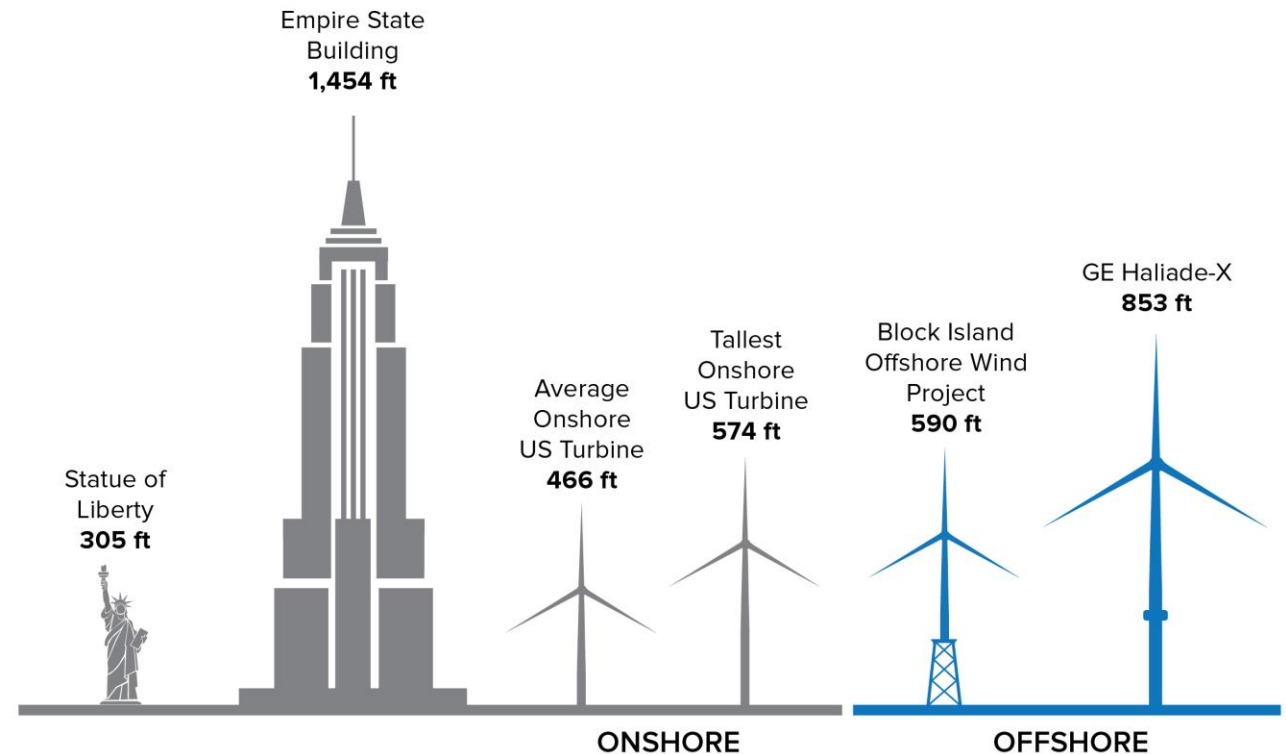
**ENOUGH TO POWER
6 MILLION HOMES**

**BILLIONS IN
INFRASTRUCTURE**

**30% OF NEW YORK'S
ELECTRICITY LOAD**

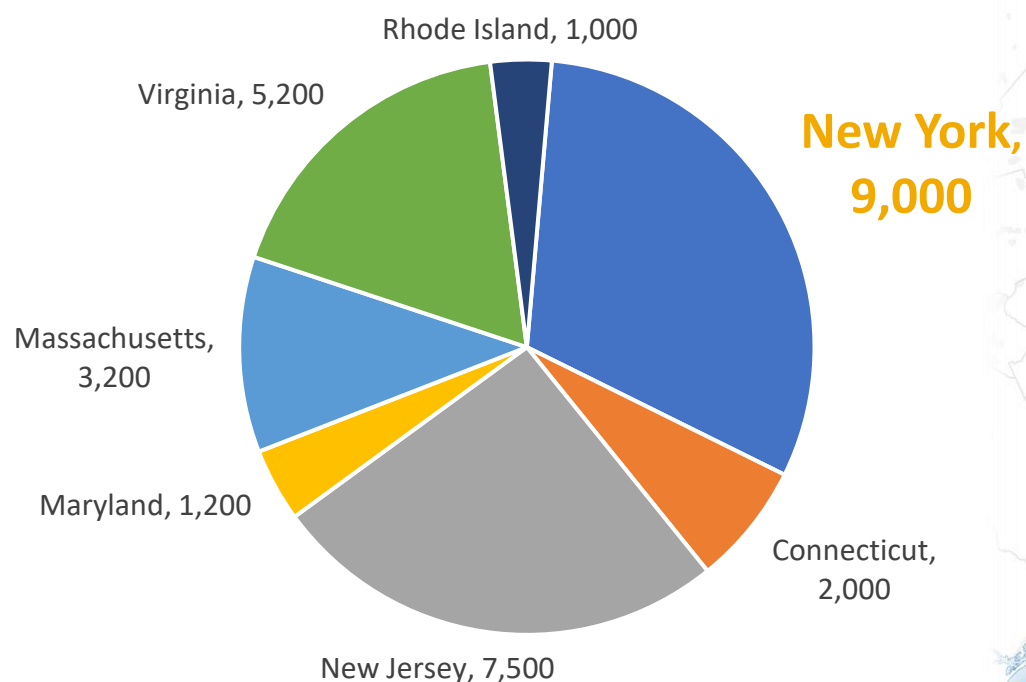
Why Offshore Wind?

- Enormous potential for **clean, renewable, and locally produced power** where demand is highest
- **Significant investments** in infrastructure and communities
- Major new source for **thousands** of short- and long-term **skilled jobs**
- More **diverse, resilient** electricity supply
- **Avoids harmful greenhouse gas emissions** that contribute to climate change

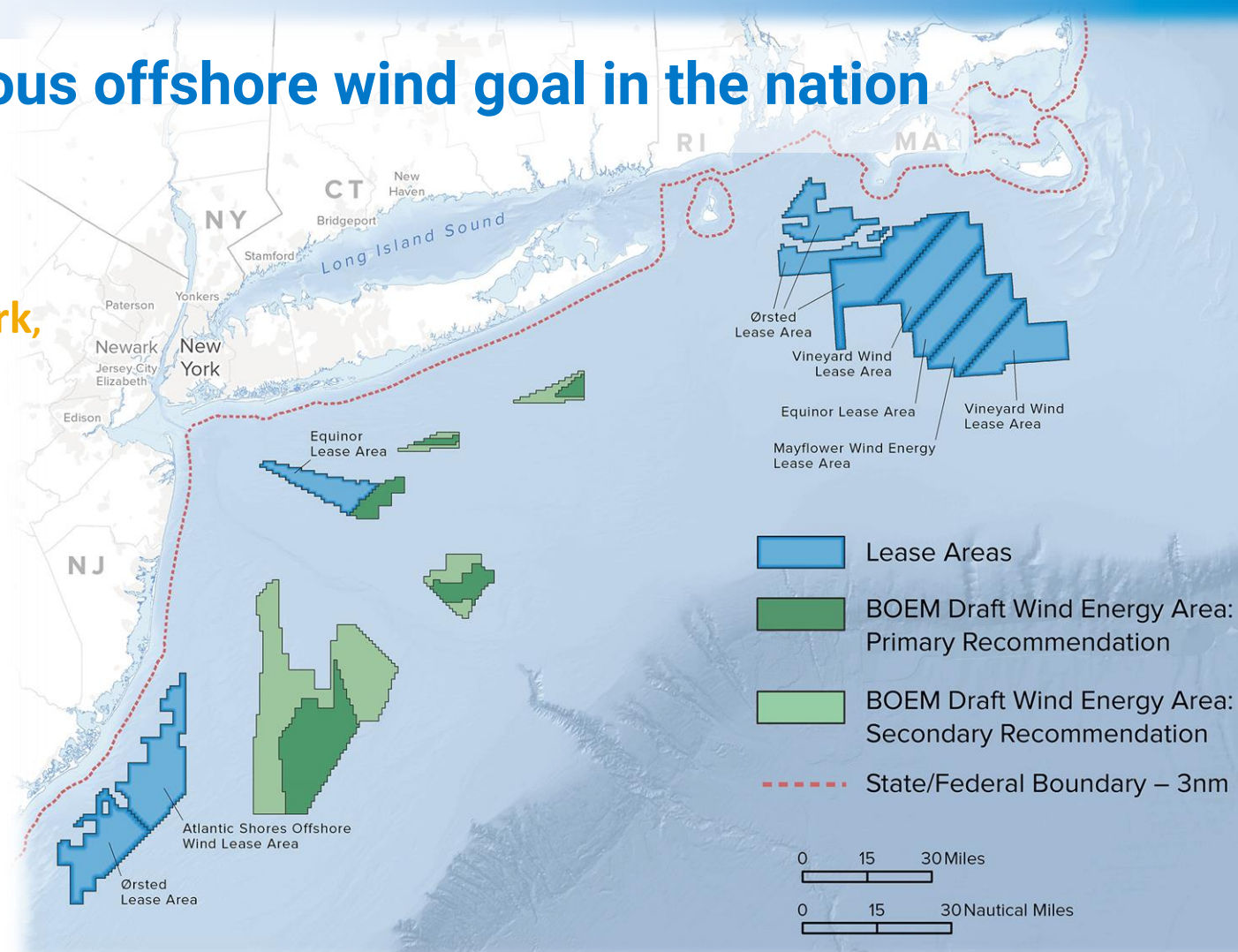


Regional OSW Market Potential of ~30 GW

New York has the most ambitious offshore wind goal in the nation



Offshore Wind Goals by State (MW)





Beacon Wind & Empire Wind 2 will Deliver Nearly
2,500 Megawatts

Public and Private Investment of
\$644 Million in NY Ports



Combined, These Projects will Deliver
\$14 BILLION
in Direct Investments and
8,600 GOOD-PAYING JOBS

New York has made the
LARGEST
Combined Renewable
ENERGY
AWARDS
ever by a U.S. State



NYSERDA



24 Large-scale Land-based Renewable Projects Awarded to Deliver
2,200 Megawatts

Which is Equivalent to Powering Over
560,000 Homes for 20 Years

CLEAN ENERGY PROJECTS WILL

- ✓ Stimulate New York's economic recovery from COVID-19
- ✓ Prioritize disadvantaged communities
- ✓ Create good-paying short- and long-term jobs
- ✓ Help decarbonize New York's power sector and combat climate change

Empire Wind 2 and Beacon Wind (2,490 MW)

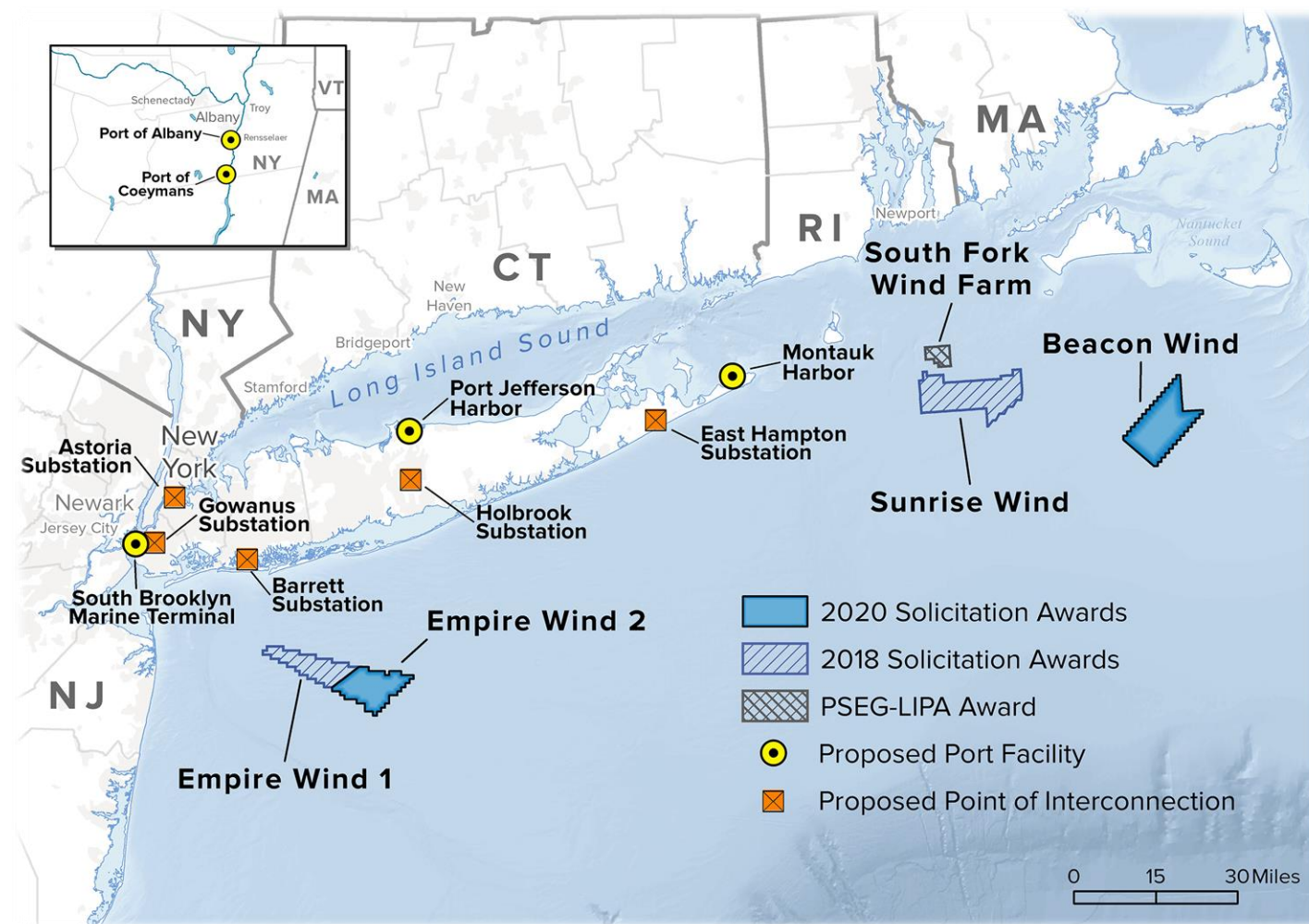
Two awarded projects from Equinor:

Empire Wind 2 (1,260 MW)

- > Same lease area as Empire Wind 1
- > Proposed interconnection at Barrett Substation in Nassau County
- > Use of gravity-based foundations fabricated at the Port of Coeymans
- > Expected operational in late 2026

Beacon Wind (1,230 MW)

- > Located more than 60 miles east of Montauk
- > Proposed interconnection at Astoria Substation in Queens
- > First U.S. project to use HVDC transmission technology
- > Expected operational in 2028



New Awards: Offshore Wind Port Investments

Combined \$644 million in public and private investments

Offshore Wind Tower and Transition Piece Manufacturing at the Port of Albany

- > Partnership with the Albany Port District Commission, Marmen, Inc. and Welcon A/S
- > “Open Access” manufacturer with the potential to supply offshore wind projects throughout the northeast Atlantic
- > Operational 2023

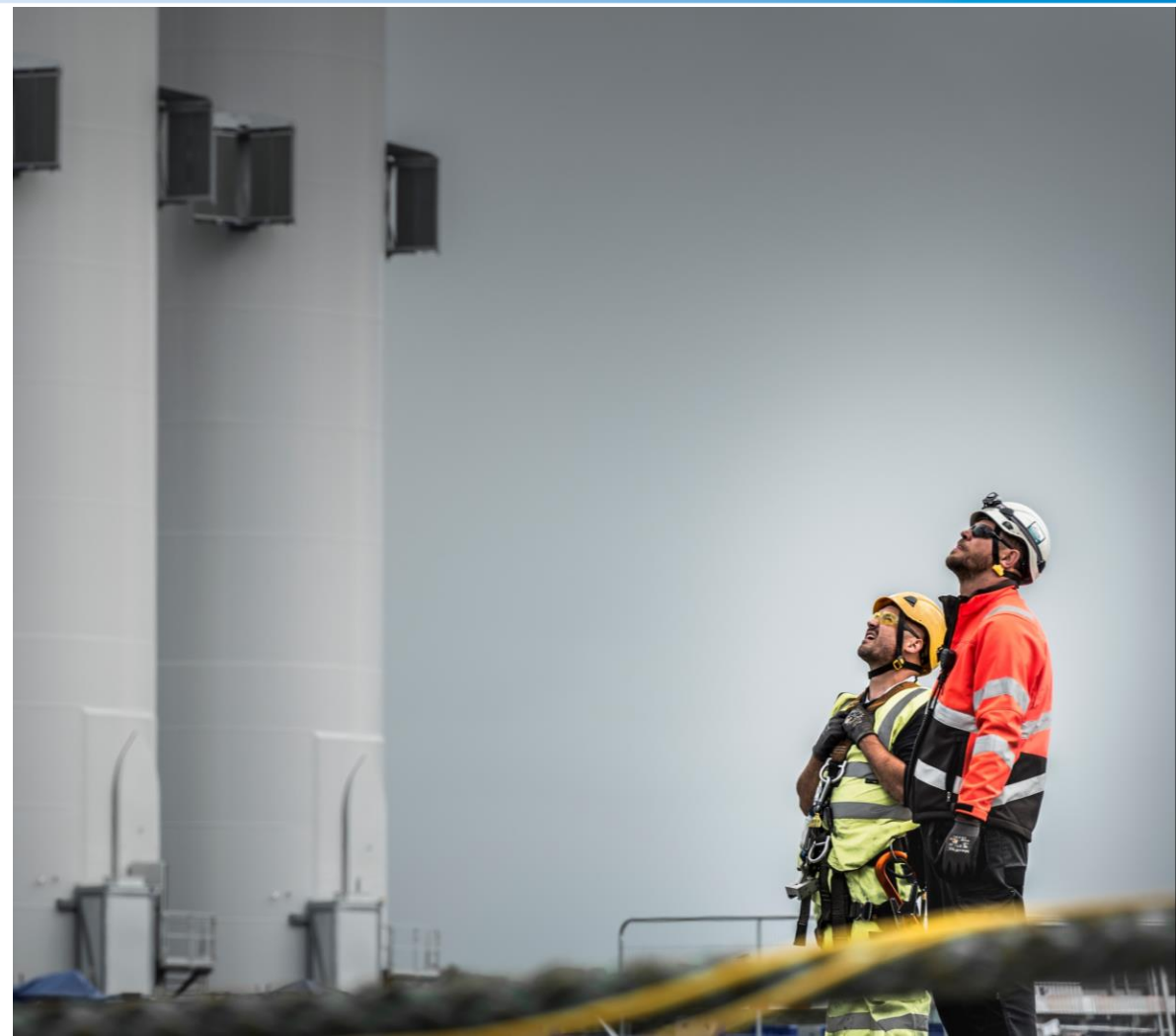
Staging Facility and U.S. O&M Hub at South Brooklyn Marine Terminal (SBMT)

- > Investing in Sunset Park’s local workforce



New Awards: Delivering Unparalleled Benefits to New York

- > More than **5,200** direct jobs
- > Combined economic activity of **\$8.9 billion** in labor, supplies, development and manufacturing statewide
- > **\$47 million** in workforce development and just access funding
- > Nearly **\$25 million** to support regional monitoring of wildlife and key commercial fish stocks to better understand and minimize the potential impacts
- > Prevailing wage requirements and good-faith negotiations towards the use of Project Labor Agreements
- > Prioritizing opportunities for New York State Minority- and Woman-Owned Business Enterprises and Service-Disabled Veteran-Owned Businesses to support these projects



More than 4,300 megawatts in active development

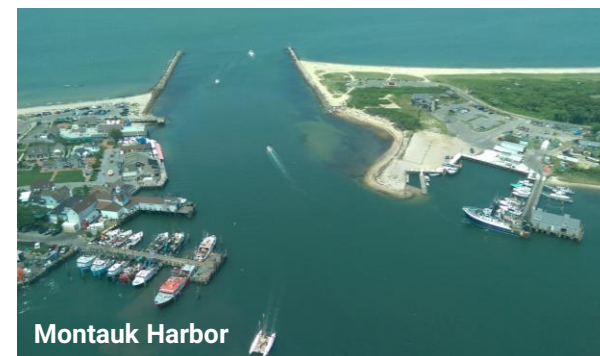
With this announcement,
New York State now has

5 OFFSHORE WIND PROJECTS

in active development



- > Many NY port facilities have potential to support the offshore wind industry
- > New York now has 5 wind industry ports, more than any other state



Montauk Harbor



Port of Albany



Port of Coeymans



South Brooklyn Marine Terminal



Port Jefferson/East Setauket

Creating Good-Paying Jobs for New Yorkers

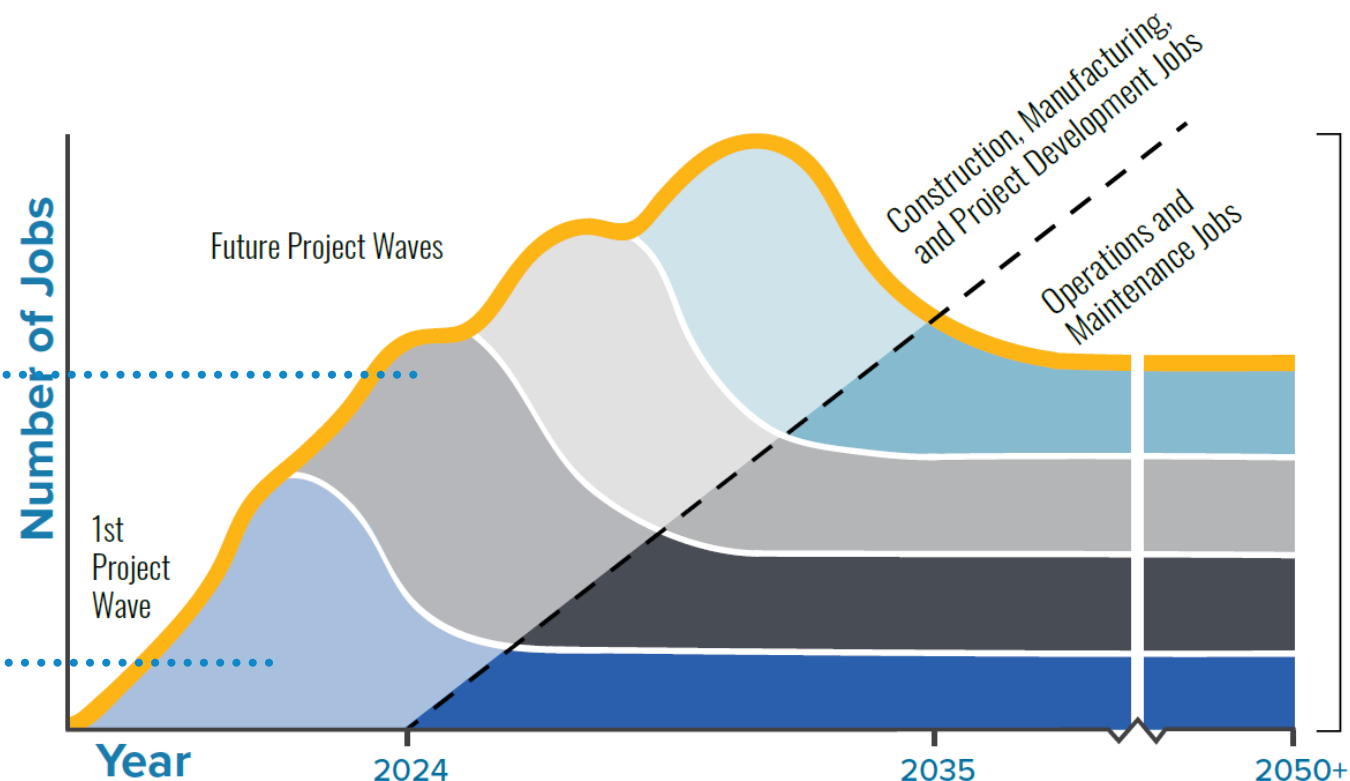
**Second Solicitation:
5,200 jobs**

**First Solicitation:
1,600 jobs**

**in project development, component
manufacturing, installation, and
operations maintenance**

*Capital Region, Brooklyn,
and Long Island*

OFFSHORE WIND JOB GROWTH



Building 9,000 megawatts of offshore wind power by 2035 will create more than 10,000 new jobs

Training New York's Workforce

\$20 million Offshore Wind Training Institute (OWTI) launches with first solicitation

- > **\$3 million solicitation LIVE NOW** to support Disadvantaged Communities and/or Priority Populations, or promote the development of the OSW supply chain in NYS
- > Awards expected in summer 2021, and selected training institutions will aim to begin training workers later this year
- > The OWTI will educate 2,500 New York workers
- > The OWTI is administered by Stony Brook University and Farmingdale State College

See our
website:
**PON
4595**



Thank you

Adrienne Downey

Principle Engineer, Offshore Wind

Adrienne.Downey@nyserda.ny.gov