

New York State Offshore Wind

2020 Offshore Wind Solicitation Awards



Offshore wind is key to achieving New York State's clean energy goals of **70% renewable energy by 2030** and **zero emissions electricity by 2040**

AWARD RESULTS:

2,490 MW
of offshore wind energy, awarded as part of the nation's largest competitive procurement of renewable capacity

Enough electricity to power over
1.3 Million
New York homes

Surpassing
our inaugural solicitation results to become the single largest competitive renewable energy procurement in U.S. history

\$8.9 billion
in combined economic benefits

New York selects two projects in the largest competitive renewable energy procurement in the US.

In the State's second comprehensive solicitation for offshore wind, the New York State Energy Research and Development Authority (NYSERDA) has selected two projects for contract negotiation: **Empire Wind 2** and **Beacon Wind**, both from Equinor Wind US LLC (Equinor). Combined, the projects will deliver 2,490 megawatts of renewable energy, enough to power more than 1.3 million New York homes.

As part of the nation's largest competitive procurement of renewable energy, these awards build on four consecutive years of annual renewable energy procurements that are expected to deliver dozens of large-scale renewable energy projects over the coming decade.

Empire Wind 2 and Beacon Wind Deliver Unparalleled Benefits

- More than 5,200 direct jobs with a combined economic activity of \$8.9 billion in labor, supplies, development, and manufacturing statewide.
- Leveraging \$3 of private funds for every \$1 of public funds to unlock investments of \$644 million for resilient port facilities, bringing long-term economic benefits to the Capital Region and Brooklyn.
- Establishing the nation's first tower manufacturing facility at the **Port of Albany**, ready to service offshore wind farms in the region, and a cutting-edge staging facility and operations and maintenance hub at the **South Brooklyn Marine Terminal**.
- Committing significant economic benefits to disadvantaged communities and supporting the responsible retirement of aging fossil fuel plants in Queens and Nassau County, bringing \$47 million in workforce development training, innovation, and community benefits funding and approximately \$1 billion in avoided health impact benefits.
- Nearly \$25 million to support regional monitoring of wildlife and key commercial fish stocks to better understand the potential impacts of responsibly transitioning to this clean energy source.
- An industry-leading commitment to carbon efficiency that will reduce carbon emissions associated with the development, construction, and operation of the projects through technology innovation, operational best practices, and responsible sourcing of materials.

Second Round Anchors New York as the Nation's Hub for Offshore Wind

With these awards, New York now has five offshore wind projects in active development — the largest offshore wind pipeline in the nation — totaling more than 4,300 megawatts and representing nearly 50 percent of the capacity needed to meet New York's nation-leading offshore wind goal of 9,000 megawatts by 2035. Together, New York's offshore wind projects will deliver more than 6,800 jobs and more than \$12.1 billion of combined economic activity, demonstrating unparalleled momentum toward the State's climate goals. This will also send a clear market signal that will help further economic development, deliver savings for consumers, and increase infrastructure and clean energy benefits for New Yorkers across the State.



CONCEPT / NOT FINAL

Port of Albany:
Marmen/Welcon Tower Factory



CONCEPT / NOT FINAL

Port of Coeymans:
Gravity-Based Foundation Manufacturing



CONCEPT / NOT FINAL

South Brooklyn Marine Terminal: Staging & Assembly Operations & Maintenance (O&M)



Port Jefferson/East Setauket:
Operations & Maintenance (O&M)



SUNY Stony Brook & Farmingdale: \$20M Offshore Wind Training Institute (OWTI)



Suffolk County:
\$10M National Offshore Wind Training Center (Orsted & Suffolk County Community College)

2020 Project: Empire Wind 2

Developer: Equinor Wind

Project at a Glance

- 1,260 megawatts entering commercial operation in late 2026.
- Locally produced renewable energy from the New York Bight with planned delivery to Nassau County at the Barrett Substation in Oceanside, building out the back half of Equinor's New York Bight lease area, with planned delivery of Empire Wind 1 to the Gowanus substation in Brooklyn.
- Use of gravity-based foundations, with fabrication proposed at the Port of Coeymans, bringing long-term investments in New York-sourced equipment, tools, supplies and labor to the State's Capital Region and utilizing "quiet" foundation technologies to minimize environmental impacts such as risks to fish and wildlife through the reduction of pile-driving noise.

2020 Project: Beacon Wind

Developer: Equinor Wind

Project at a Glance

- 1,230 megawatts entering commercial operation in 2028.
- Proposed interconnection into New York City through the Astoria Substation in Queens, supporting the responsible retirement of aging fossil fuel plants as part of a just transition to clean energy.
- Located over 60 miles east of Montauk Point, Beacon Wind will be the first offshore wind project in the U.S. to utilize High Voltage Direct Current (HVDC) transmission technology, providing reliable and fully-controlled power supply in either direction to and from the shore and reducing the number of cables to shore.

Learn more about offshore wind in New York State.

nyscrda.ny.gov/offshorewind



NYSERDA