

New York Offshore Wind Public Webinar

A Coordinated Approach to Offshore Wind Project and Supply Chain Development

NYSERDA Offshore Wind Team
November 13, 2024



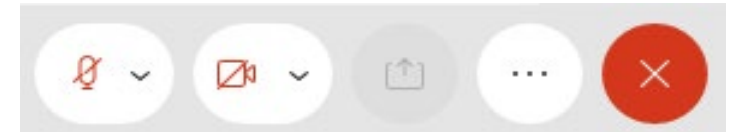
NYSERDA

Meeting Procedures

Presentation slides will be posted on wind.ny.gov in the Events Archive section

Participation for Members of the Public

- > Members of the public will be muted upon entry.
- > Questions and comments may be submitted in writing through the Q&A feature at any time during the event. **Please submit to All Panelists.**
- > If technical problems arise, please contact Sal.Graven@nyserda.ny.gov



You'll see  when your microphone is muted

Agenda

An aerial photograph of several offshore wind turbines in the ocean. The turbines are white with yellow accents on their towers. The water is dark blue, and the sky is a lighter blue. The turbines are arranged in a loose pattern across the frame.

- **New York's Offshore Wind Goals and Portfolio Highlights**
- **A Coordinated Approach to Project and Supply Chain Development**
- **Workforce Updates**
- **Responsible Development: Transmission Planning, Environmental and Fisheries Updates**
- **Learn More**



New York's Offshore Wind Goals and Portfolio Highlights



Courtesy of South Fork Wind

New York's Clean Energy Goals

RENEWABLE ENERGY

9,000 megawatts (MW) of offshore wind by 2035

CLEAN ELECTRICITY

100% zero-emissions electricity by 2040

GREENHOUSE GAS REDUCTION

85% reduction in greenhouse gas emissions by 2050 (from 1990 levels)

from the 2019 Climate Leadership and Community Protection Act

10-Point Action Plan

New York State is firmly committed to expanding its vibrant clean energy industry and progressing towards its ambitious goal of obtaining 70% of the State's electricity from renewable sources by 2030.

This comprehensive action plan outlines a set of actions as the foundation for a sustainable future for all New Yorkers while supporting a thriving large-scale renewables industry.

The plan serves to reinforce New York State's dedication to clean energy development, sustainability, and economic growth.

We remain committed to advancing a cleaner, more prosperous future for our State and our nation.



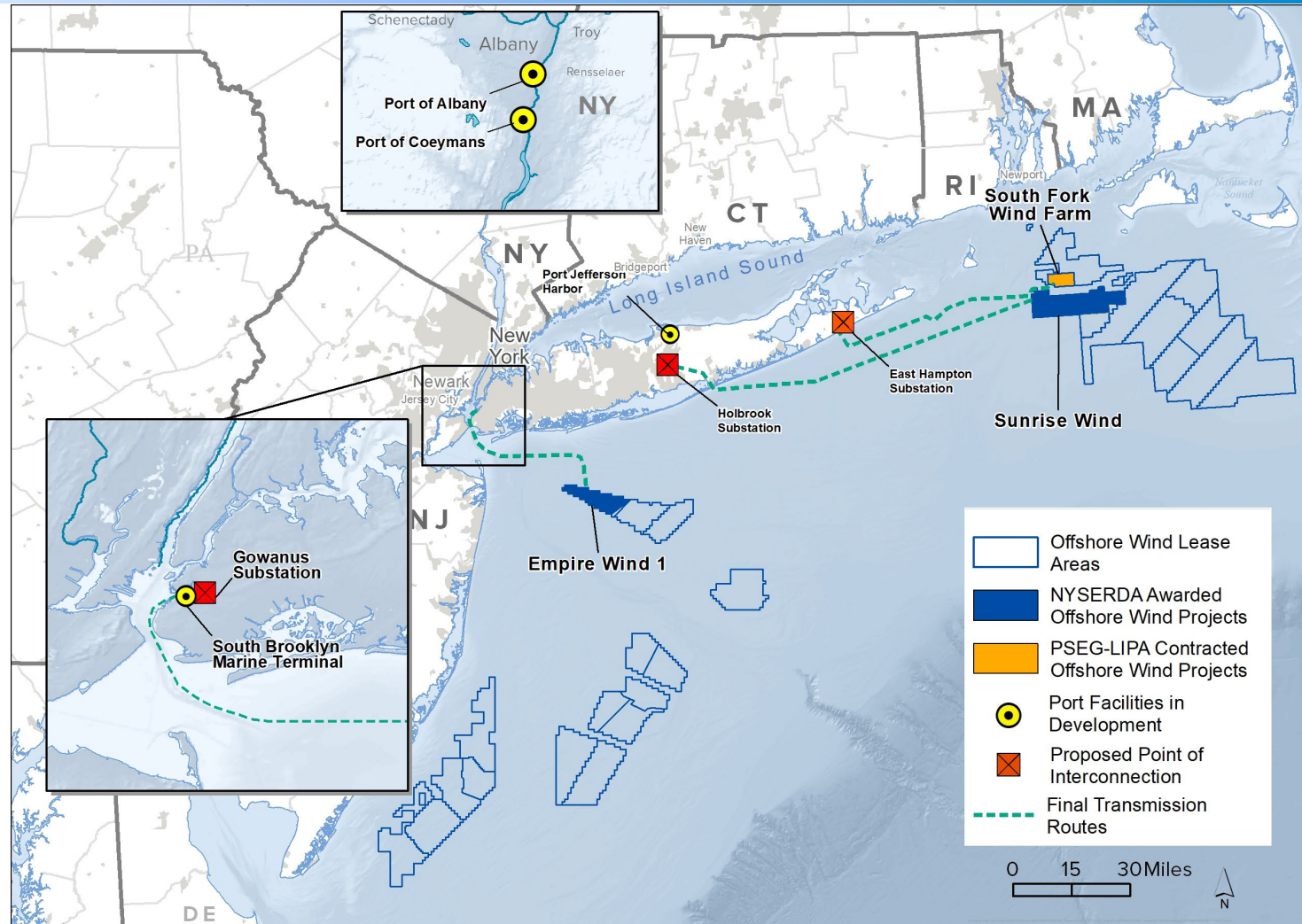
New York State Projects, Interconnection Points and Ports

New York's Current Offshore Wind Portfolio includes:

- One operating project; two projects in development → **1,866 MW**

2024 milestones:

- South Fork Wind **delivering power**
- Groundbreaking at **South Brooklyn Marine Terminal**
- Groundbreaking on Long Island for **Sunrise Wind** construction
- **Bureau of Ocean Energy Management (BOEM) approved** Empire Wind's Construction and Operations Plan in February 2024
- **BOEM approved** Sunrise Wind's Construction and Operations Plan in June 2024





A Coordinated Approach to Project and Supply Chain Development

Objectives of a Coordinated Approach

NYSERDA has developed a **sequential, coordinated** approach to offshore wind project and supply chain development in New York State to:

- **Incorporate financial incentives** for offshore wind project developers to promote development and utilization of an offshore wind supply chain in New York State that **best meets the needs of industry**
- **Support the up-front capital needs** of major component manufacturing facilities and associated port infrastructure
- Assist manufacturers in attaining the **offtake commitments needed** to justify the investment in the facility



Courtesy of South Fork Wind

NYSERDA Offshore Wind (OSW) Industry Solicitations

Generation

Offshore Wind Projects to power New York State:

New York's solicitations for Offshore Renewable Energy Certificates (ORECs)

Supply Chain

Establishing an offshore wind supply chain in New York:

New York's solicitations to build offshore wind ports, manufacturing, and supply chain infrastructure

OSW Industry & NYSERDA Solicitation Interplay

Provides Grant Funding

Sells Components*

Sells ORECs

1. NYSERDA Incentivizes Suppliers to Build Facilities in New York (\$500M Grant Funds)

2. Suppliers Create Components For Offshore Wind Projects

3. OSW Developers Develop Offshore Wind Projects and Identify Suppliers

4. NYSERDA Buys ORECs from Offshore Wind Developers

Each Offshore Wind Project Must Buy at Least \$100M from New York Suppliers

NYSERDA Supply Chain Solicitations

1. NYSERDA Incentivizes Suppliers to Build Facilities in New York (\$500M Grant Funds)

\$200 Million

Supportive Manufacturing and Logistics

Supportive Manufacturing and Logistics RFP

Logistic Port Infrastructure

(requesting \$1M - \$100M)

Supportive Manufacturing Facilities

(requesting \$1M - \$50M)

\$300 Million

Major Component Manufacturing

Port RFQL

Pre-qualify potential offshore wind manufacturing ports to participate in subsequent RFP for Major Component Manufacturing.

Major Component Manufacturing RFP

At least \$300M for offshore wind port manufacturing project(s) providing the greatest value to New York and the best opportunity for the industry.

Interaction of Supply Chain and OREC Solicitations

OREC Request for Proposals (RFP)

Latest OREC Solicitation (NY5) includes an obligation for the awarded projects to make use of the emerging supply chain in New York.

Request for Qualifications for Ports

Pre-qualify potential offshore wind manufacturing ports to participate in subsequent RFP for Major Component Manufacturing.

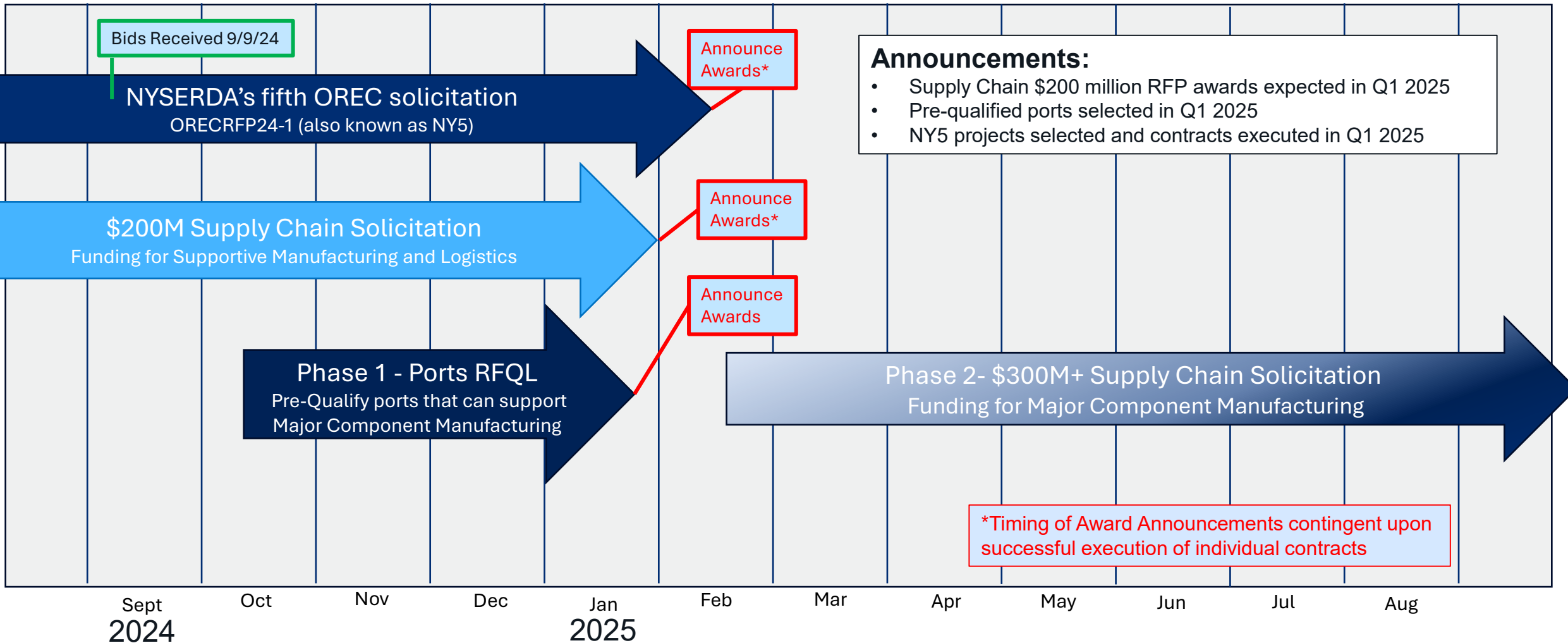
Major Component Manufacturing RFP

At least \$300 million for offshore wind port manufacturing project(s) providing the greatest value to New York and the best opportunity for the industry.

NYSERDA's fifth OREC solicitation (ORECRFP24-1) includes:

- Favorable evaluation for OREC Proposers that utilize New York State suppliers for current and future projects
- Required minimum \$100 million for supply chain investments in New York State; the specific uses will be determined by the OREC awardee after the Major Component Supply Chain solicitation closes. The purpose of this funding is to assist manufacturers in attaining the **offtake commitments** needed to justify the large up-front investment in a facility.

Planned Sequence of Solicitations



An aerial photograph of a wind farm at night. The scene is dark, with the wind turbines illuminated from below, creating bright white and yellow highlights. Long, dark shadows of the turbines are cast across the dark, rippling water. The text "Workforce Updates" is centered in a large, white, sans-serif font.

Workforce Updates

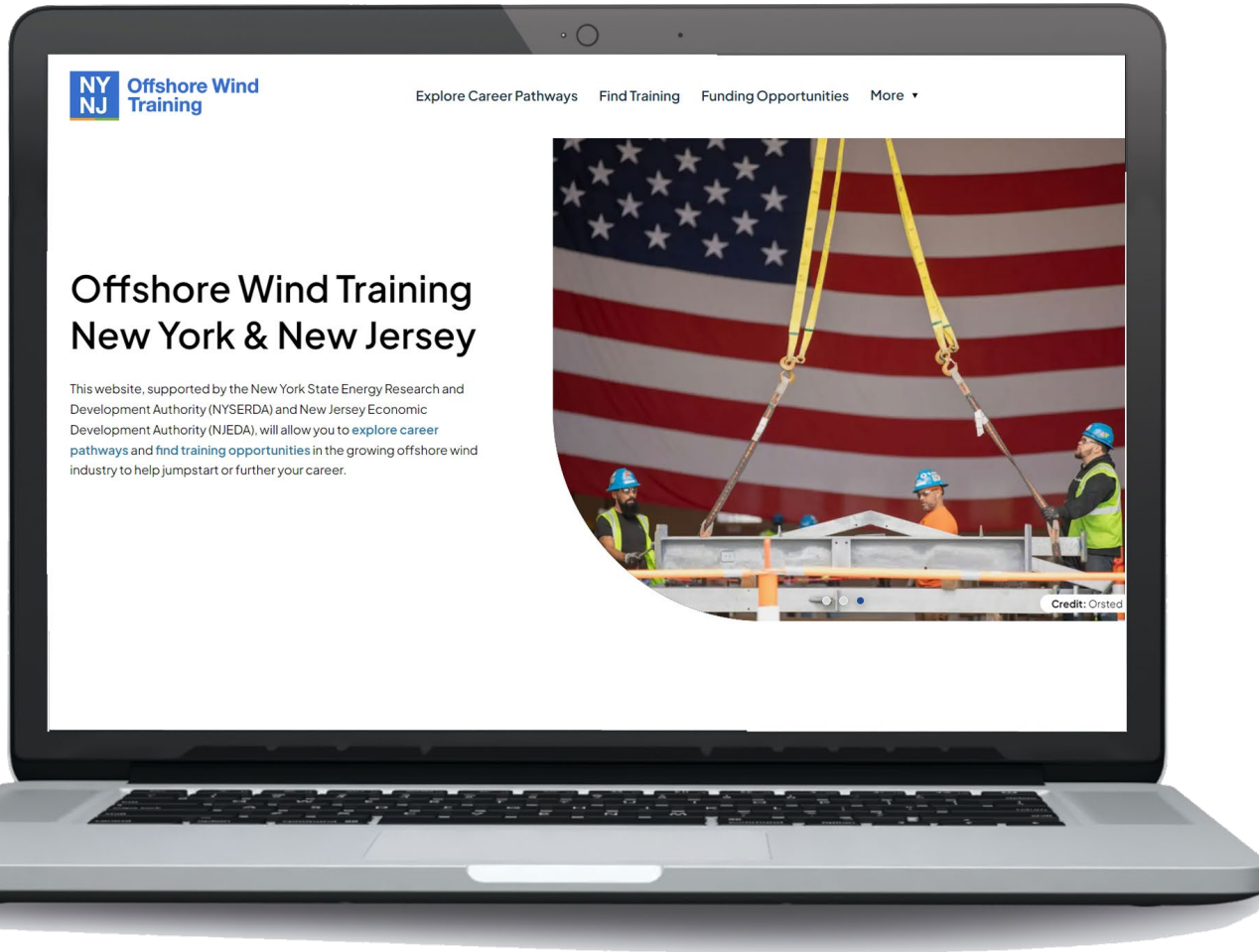
Offshore Wind Training Institute Awards

As part of the **\$20 million** committed by New York State to support a network of workforce training programs for offshore wind, NYSERDA has awarded:

The International Brotherhood of Electrical Workers (IBEW) Local Union 3

- \$2.3 million award, announced in September 2024, will support training in skills that are needed for electricians in all stages of offshore wind development, from preassembly through operation and maintenance.

To date, NYSERDA has awarded more than \$5 million through the Offshore Wind Training Institute (OWTI). To learn more, visit nyserda.ny.gov/offshore-wind-workforce.



Career Pathways and Training Opportunities

- Occupation Lists
- Occupation Descriptions
- Career Pathways, Project Phases, Job Descriptions
- Find Training Locations

offshorewindtraining.org

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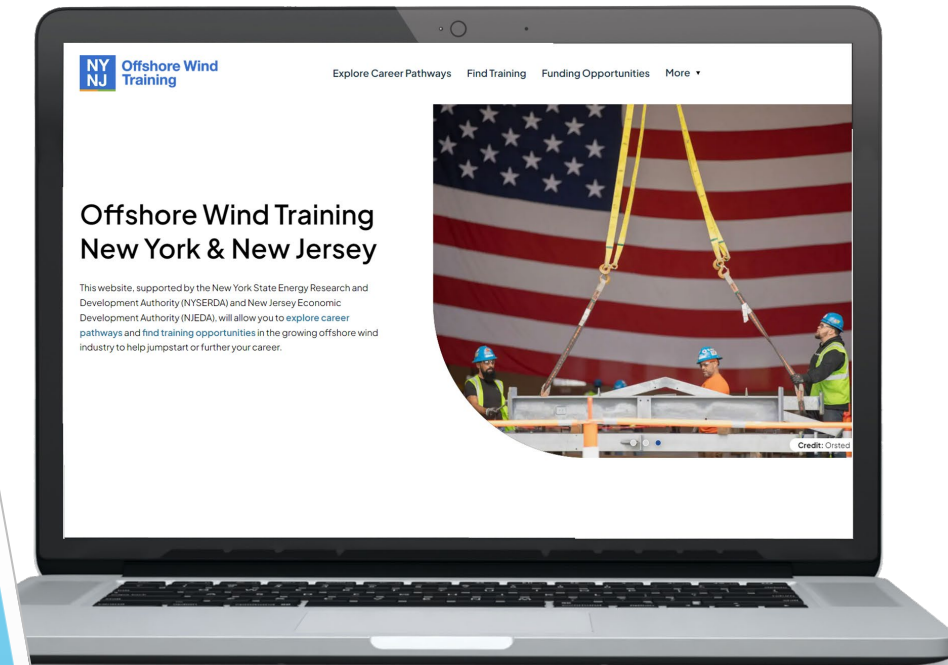


NYSERDA



The collage displays several key features of the website:

- Funding Opportunities for Training Providers:** A page showing 37 opportunities found, with filters for 'ALL LOCATIONS', 'NEW YORK', and 'NEW JERSEY'. One listing for 'PON4595: NYS Offshore Wind Training Institute - Workforce Training & Skills Development' is highlighted.
- Select a project phase:** A navigation menu with buttons for 'Planning and Development', 'Manufacturing and Assembly', 'Construction and Installation', and 'Operations and Maintenance'. A detailed description for 'Planning and Development' is shown below.
- Filter sidebar:** A sidebar titled 'Filter by:' with sections for 'Focus' (Offshore Wind Focus), 'Category' (Apprenticeships, Training Facilities, Direct Entry Programs, GWO Certified Training, Ports), 'State' (New York, New Jersey), 'Job' (with a dropdown), and 'Credential type' (with a dropdown).
- Map:** A map of the Northeast region showing 672 opportunities marked with colored pins.



offshorewindtraining.org

Training New York's Workforce

Labor Learning Days

- Communities closest to project impact areas connected to relevant Labor Unions working under offshore wind Project Labor Agreements
- Long Island and Brooklyn (Sunset Park)

Academic Symposiums

- 24 new academic programs focused on Offshore Wind. [Read More About them Here](#)

Research

- Eight studies issued to inform how we invest and support the growing workforce

Jobs and Supply Chain Technical Working Group



Offshore Wind Open House and Union Apprenticeship Awareness Day

Sunset Park, Brooklyn

Saturday, November 16

12:00 p.m. – 2:00 p.m. ET

Engage one-on-one with NYSERDA, offshore wind developers, workforce development partners, and local labor unions.

Visit wind.ny.gov for more information.





**Responsible Development:
Transmission Planning,
Environmental and Fisheries Updates**

Transmission Planning

The New York Independent System Operator (NYISO) received 28 proposed Public Policy Transmission Projects to deliver at least **4,770 MW of offshore wind generation** into New York City by 2033.

To support this process, NYSERDA:

- Convened a working group composed of State, local, and federal agencies to address constraints to transmission cable routes and identify potential permitting requirements
- Released a **Request For Information (5925)** to identify opportunities to develop offshore wind transmission more efficiently and effectively
[Comments](#) are due by December 20, 2024

Environmental and Fisheries Monitoring

Empire Wind I and Sunrise Wind have committed more than **\$17 million** to regional wildlife and fisheries monitoring



Photo: AMSEAS tagging a seal



Photo: Stony Brook University deploying plankton net



More RFP Details:

<https://www.rosascience.org/regional-rfp/>

Regional Collaboration



11-State Equitable Fisheries Compensatory Mitigation

Objective: to establish a credible regional administrator for managing and distributing fisheries compensatory mitigation funds for impacts from offshore wind for the US eastern seaboard

Key Milestones:

RFP 5554 was released in early February by NYSERDA on behalf of the 11 states and offshore wind developers to select a qualified entity to serve as the **Regional Fund Administrator (RFA)** that would design and develop an offshore wind energy related comprehensive fisheries compensatory mitigation fund

BrownGreer and the Carbon Trust were selected in early November as the RFA for the design and development stage for this compensation program.

An aerial photograph of a wind farm at night. The scene is dark, with the wind turbines appearing as bright white structures against the black sky. Each turbine has three blades and a central hub. Long, dark shadows are cast by the turbines onto the ground below, indicating a low sun position. The word "Questions?" is written in a large, white, sans-serif font in the center of the image.

Questions?



Learn More
[Offshorewind.ny.gov](https://offshorewind.ny.gov)



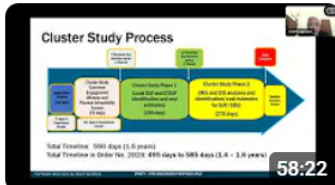

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Tune in for “Learning from the Experts” webinars

- Educational webinar series featuring outside experts presenting on offshore wind technologies, development practices, and research findings
- Visit wind.ny.gov to register
- All webinar recordings and presentations are available at nyserdera.ny.gov/osw-webinar-series

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