



# Offshore Wind Creates Jobs and Economic Opportunities



New York State has made a momentous and unprecedented commitment to support the build out of the offshore wind industry. Through forward-thinking planning, innovative policies, private and public financial commitments and development, New York is aspiring to be the nation’s hub for the burgeoning offshore wind industry.

Additionally, in June 2022 the Biden Administration announced an initiative with 11 East Coast States including New York to ease permitting process, grow the offshore wind supply chain and accelerate offshore wind farm construction under a new Federal-State offshore wind partnership.[i] Under these initiatives and strategy, the industry is already developing first-in-the nation projects in New York.

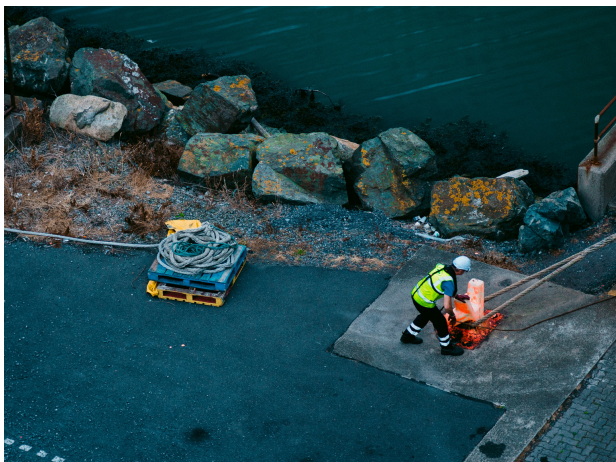


Photo by David Knox on Unsplash [iv]

## Offshore Wind Ports Create Jobs

Offshore wind is first and foremost supplying clean and renewable energy while creating good paying jobs and increasing demand for more clean energy workers in the state. With nearly 164,000 New Yorkers already working in the clean energy industry, the State is expected to create more than **10,000 jobs through its commitment to developing 9,000 megawatts of offshore wind energy.**[ii]

Offshore wind also holds the promise of thousands of union jobs with multi-generational employment with opportunities across the state. Along with new jobs and careers in underserved communities, the State, developers, the building trades and area colleges and universities will be provided worker training to address skills development and certification requirements.

For instance, in Spring 2022, North America’s Building Trades Unions (NABTU) and Ørsted, announced a first-of-its kind Project Labor Agreement (PLA) to construct the company’s U.S. offshore wind farms with an American union workforce. The National Offshore Wind Agreement (NOWA) covers all of Ørsted’s contractors and subcontractors that will perform offshore windfarm construction from Maine to Florida. The NOWA will also inject hundreds of millions of dollars in middle-class wages into the American economy, creates apprenticeship and career opportunities for communities most impacted by environmental injustice, and ensures projects will be built with the safest and best-trained workers in America.

Overall, the diversity of jobs directly impacted by the offshore wind industry will start or further careers with average salaries of approximately **\$100,000 per year.**[iii]



Elected officials join representatives of Sunrise Wind and participants in announcing funding for the Multi-Craft Apprenticeship Preparation Program, a pre-apprenticeship program that recruits and trains candidates from Albany’s underserved community for unionized construction apprenticeships.

These good, family sustaining jobs will be in manufacturing, construction, installation, research and development, operations and maintenance and other fields. This would establish New York as a leading jobs hub for the industry.

The construction of the offshore wind projects will create thousands of new jobs in coastal cities and inland – in places like Sunset Park, Brooklyn, and Albany’s South End – locations already selected and transitioning to build and manufacture the offshore wind industry and its components. These projects also support the modernization of port facilities from Upstate Albany to Montauk at the tip of Long Island and will create hundreds of jobs modernizing the transmission grid to serve New York’s economy far into the future. Together, New York’s five offshore wind projects will bring a combined economic

impact of more than **\$12.1 billion** to Upstate, Downstate, and Long Island.

The workforce needs of this new industry are diverse and enormous, spanning project development, equipment manufacturing, construction and operation of specialized vessels, windfarm operations and maintenance and portside activities.

With **Just Transition** as priority to the offshore wind industry and New York State, developing offshore wind provides an opportunity to benefit all New Yorkers. The development of offshore wind power holds enormous promise for historically underserved, frontline communities. Working with state officials, community leaders and policymakers, the new industry is committed to equitably and affordably buildout, develop, and deliver clean power.

## Training New York’s Offshore Wind Workforce Over \$100 Million of Funding

<b>New York State</b>	Offshore Wind Training Institute (OWTI) \$20M NYSERDA \$10M SUNY Stony Brook and Farmingdale \$10M	NYSERDA – Environmental Justice, Labor, CBOs, Supply Chain (HVCC Welding, LAGCC Wind Techs)
	NYSERDA Workforce ~\$15M	SUNY - Exclusive to SUNY institute programs
	CUNY \$20M: \$10M DOB   \$10M NYC EDC	Clean Energy Internships PON 4000 ; Climate Justice Fellowship PON 4772; OJT Training PON 3982
		Program Development at CUNY’s diverse campus locations in NYC Kingsborough Community College CTV Simulator, At Height Training NYCCT, LGCC, Grove School of Engineering
<b>Federal</b>	SUNY Maritime \$795,000	GWO Training Center Bronx, NYC Campus
<b>Private Sector</b>	Sunrise Wind (Orsted/Eversource) \$1M	Upper Hudson Offshore Wind Workforce Development Fund Advance Component Manufacturing
	Sunrise Wind (Orsted/Eversource) \$10M	National Offshore Wind Training Center (NOWTC) in Suffolk County Focus on GWO
	Sunrise Wind (Orsted/Eversource) \$5M	Stony Brook University Advance Energy and Research Technology Center (AERTC)
	Empire Wind 1 (Equinor/BP) \$5M	Community Workforce Benefit Fund Just access to workforce development and equity
	Empire Wind 2/Beacon Wind (Equinor/BP) \$47M	Community Benefits + Workforce Development Split Between 2 Projects; More Info to Come
	NYS Third Offshore Wind Solicitation: Future Opportunity	Community Engagement Workforce Development Technology & Innovation Acceleration

NYSERDA Graphic. 2022. [v]





Photo Provided by Equinor [vii]

### State-sponsored training

The **New York Offshore Wind Training Institute (OWTI)**, formed in 2020, is the largest public investment in offshore wind work force training in the nation. The \$20 million commitment was made in collaboration with **SUNY's Farmingdale State College** and **Stony Brook University**. OWTI will advance offshore wind training programs and educational infrastructure for a skilled workforce across the state, certifying and training **2,500** New Yorkers for both offshore and onshore renewable energy projects.

Under the OWTI funding, New York State has awarded **two education facilities** – one Upstate and the other in New York City -- to support early training and skills development, particularly for disadvantaged communities, including veterans, individuals with disabilities, low-income individuals, the homeless and single parents.

- **Hudson Valley Community College** (Troy) – Offering a two-year associate degree in welding and fabrication, with a focus on providing scholarships to urban and rural disadvantaged communities. At a newly built \$1.5 million welding lab, the college will partner with regional manufacturers building turbine components at the Port of Albany to provide a skilled workforce pipeline, aiming to train 75 individuals, including 65 from disadvantaged communities. The program began in the Fall of 2021.

- **LaGuardia Community College** (Queens) – Partnering with Siemens Gamesa, a European engineering firm and manufacturer of wind turbines, services, and components, will train talent for the construction, repair, and maintenance of offshore wind facilities in the New York City metro area. They will train both new entrants to the workforce and incumbent workers in the construction trades, and 50 low-income individuals from the Brooklyn – Queens waterfront to be trained as offshore wind technicians.
- **Center of Excellence for Offshore Energy** at SUNY Maritime College – Backed by a New York State grant, the Center is working to develop classroom and online training programs for New Yorkers.

### Developer training

The developers of New York's **Sunrise Wind project**, located in Port Jefferson, on Long Island, have invested \$10 million in a **National Offshore Wind Training Center** at Suffolk Community College specifically geared to train and certify workers through the nation's first Global Wind Organization Training Center for offshore wind located on Long Island.



Photo Provided by Ørsted [vi]

[i] White House, FACT SHEET: <https://www.whitehouse.gov/briefing-room/statements-releases/2022/06/23/fact-sheet-biden-administration-launches-new-federal-state-offshore-wind-partnership-to-grow-american-made-clean-energy/>

[ii] <https://www.nyserdera.ny.gov/All-Programs/Offshore-Wind/Focus-Areas/Supply-Chain-Economic-Development/Workforce-Development>

[iii] According to NYSERDA Offshore-Wind-FAQs-2021 (4).pdf

[iv] Photo by David Knox on Unsplash

[v] Training New York's Offshore Wind Workforce, NYSERDA Graphic. 2022.

[vi] Photo Provided by Ørsted

[vii] Photo Provided by Equinor