



Investing in Ports, Manufacturing and Training Leading to New Economic Development



Offshore wind power is key to New York's economic revitalization, particularly as we struggle to rebuild following the global pandemic's impact on New Yorkers. Offshore wind represents a once in a lifetime opportunity to stand up a whole new U.S.-based industry.

Investments are being made Downstate and Upstate in the modernization of New York's ports to serve the varied needs of this new industry. These include port improvements to serve as centers for pre-assembly and load out of massive components to the offshore site, the repurposing of harbor facilities for operations and maintenance activities, manufacturing, and other industrial purposes.



Offshore Wind Farm. Provided by Equinor [v]

New York, with the largest offshore wind pipeline in the United States, intends to build 9,000 megawatts of offshore wind capacity by 2035, or enough to meet about 30 percent of the state's total electricity needs of millions of households. Building 9,000 MW of offshore wind projects takes significant new infrastructure, investments in supply chains and manufacturing bringing new job and economic opportunities

Additionally, in June 2022 the Biden Administration announced an initiative with 11 East Coast States including New York to ease the permitting process, grow the OSW supply chain and accelerate offshore wind farm construction under a new Federal-State offshore wind partnership. [i]

The first five offshore wind projects are under active development and will come online before the end of the decade, powering over 2 million homes, generating nearly \$7 billion in economic activity, and creating more than 6,800 family sustaining jobs.

Offshore Wind Ports Create Jobs

Due to the size of offshore wind components (a single rotor blade may be greater than 300 feet long, about the same height as the Statue of Liberty), major components must be delivered by ship and rely heavily on **modern port infrastructure** for their manufacturing, assembly, staging and delivery to a wind farm off New York's coasts. Port facilities also enable crew and service equipment access for operations and maintenance activities over the long-term (i.e., in support of the wind farm's 25-year minimum lifespan).

With \$200 million already committed to **rebuilding and revitalizing New York's ports**, Governor Kathy Hochul secured another \$500 million of state investment for a current total of \$700 million to **upgrade ports and expand** manufacturing and supply-chain infrastructure across the state. Every dollar of state funding will leverage another \$3 in private sector and federal funding.

With this private and public spending New

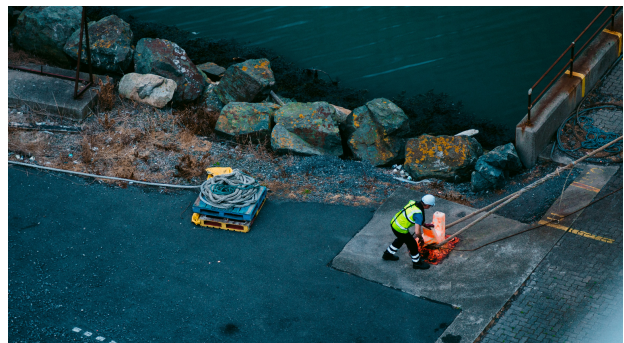


Photo by David Knox on Unsplash [ii]

York is also poised to deliver more **than \$77 million in offshore wind workforce training** in coming years, leading the U.S. This funding and political commitment will support the buildout of the offshore wind industry and fuel New York's economy while meeting ambitious climate goals.



Offshore Wind Workers. Provided by Ørsted [iv]

Paired with private investments, New York has already unlocked more **than \$644 million in resilient port facilities and manufacturing**, helping to jump start

development and drive job growth with the five ports already selected for the first 4,300 MW of offshore wind projects.

The upgrading of the ports, along with the manufacturing of steel and other components will create the need for skilled tradespeople from New York's building and construction trades, including electricians, carpenters, concrete masons, operating engineers, ironworkers, laborers, and others will be mobilized to fabricate the components and assemble them at the ports before transit to the wind site.

Many additional New York opportunities are expected to emerge for local construction support, transportation, facilities, and material supply to support the advanced components development of offshore wind.

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

New York State	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
Federal	SUNY Maritime \$795,000	GWO Training Center Bronx, NYC Campus
Private Sector	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. [iii]

[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] Photo by David Knox on Unsplash

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

[iv] Photo provided by Ørsted

[v] Photo provided by Equinor