

# New York State Offshore Wind

## Overview



**Offshore wind is key to achieving New York State's nation-leading clean energy goals of 70% renewable energy by 2030 and 100% clean electricity by 2040**

## Offshore wind is ready to power New York

NYSERDA is leading the responsible and cost-effective advancement of at least 9,000 megawatts (MW) of offshore wind energy in New York State by 2035. In close collaboration with State and federal agencies and engaging critical stakeholders, NYSERDA is working diligently to anchor New York as the nation's hub for this important global industry. Offshore wind presents significant opportunities statewide, including infrastructure development, workforce opportunities, economic benefits, and a just transition to a clean energy economy. Offshore wind is a cornerstone of New York's ambitious and comprehensive climate and clean energy legislation, the Climate Leadership and Community Protection Act (Climate Act), which requires that at least 70% of New York's electricity is generated from renewable sources by 2030 and commits to 100% zero-emission electricity by 2040.

New York will responsibly develop  
**9,000 megawatts** of  
**offshore wind power**  
by 2035, enough to power up to  
**6 million homes**

### Offshore wind will bring:

- Clean, locally produced power where demand is highest
- Significant investments in infrastructure and communities along New York's Atlantic Coast and up to the Capital Region
- The opportunity for thousands of short- and long-term skilled construction, manufacturing, and operations jobs
- Diversified electricity supply
- Avoided greenhouse gas emissions

## Offshore Wind Master Plan and New Master Plan 2.0: Deep Water

NYSERDA developed the award-winning New York State Offshore Wind Master Plan as a comprehensive roadmap that encourages responsible and cost-effective development of offshore wind in a manner sensitive to environmental, maritime, social, and economic issues. The Master Plan helps minimize project risks and encourages competition among project developers, resulting in reduced costs.

Building on the success of the first Master Plan, NYSERDA is undertaking a new "Master Plan 2.0: Deep Water" to ensure that New York is positioned to maximize the benefits and minimize the risks associated with offshore wind development.

Visit [nyserdera.ny.gov/offshorewind](https://nyserdera.ny.gov/offshorewind) for more information on the Master Plan.



**Offshore  
Wind**

# Achieving New York's offshore wind goals

## National leader in offshore wind procurements

NYSERDA releases competitive solicitations for Offshore Renewable Energy Certificates (ORECs) to select offshore wind developers to advance development of clean, renewable offshore wind energy for New York State. To date, New York's competitive processes have resulted in the selection of eight projects, including Empire Wind 1 (816 MW), Sunrise Wind (924 MW), Empire Wind 2 (1,260 MW), Beacon Wind (1,230 MW), Attentive Energy One (1,404 MW), Community Offshore Wind (1,314 MW), and Excelsior Wind (1,314 MW), along with the South Fork Wind Farm (132 MW) – the State's first commercial scale project slated to deliver first power by early in 2024 – procured by the Long Island Power Authority (LIPA). NYSERDA's offshore wind projects are anticipated to yield significant new investments in port infrastructure and supply chain opportunities. Projects will bring billions of dollars in direct spending in the State, support thousands of high-quality jobs, and also yield billions of dollars in health benefits by replacing fossil fuel generators that emit harmful pollutants, reducing incidents of asthma, heart disease, and premature deaths.

## Investing in jobs and infrastructure

By leveraging public funds to unlock private investments, New York is attracting major investments in resilient ports and manufacturing facilities, from Long Island to the Capital Region. NYSERDA's 2020 offshore wind solicitation included a public-private investment opportunity for New York ports to further the State's position as a global wind energy manufacturing hub. Similarly, the 2022 solicitation offered up to \$300 million targeted toward offshore wind supply chain development. The 2022 solicitation yielded \$968 million in combined public and private investments in blade and nacelle manufacturing facilities, planned for New York's Capital Region. In 2024, New York will invest up to \$200 million in additional supply chain infrastructure, attracting new manufacturing and enlisting existing manufacturers across the State to help advance the offshore wind industry. This investment strengthens New York's position as the offshore wind supply chain hub for other projects up and down the East Coast. The projects, in complement with New York's \$20 million Offshore Wind Training Institute, also spur investments in workforce development and training centers to educate, train, and employ New Yorkers in the offshore wind industry.

## Fostering stakeholder outreach and public engagement

NYSERDA continues to create opportunities for facilitating dialogue with interested stakeholders, developers, and the public through community engagement, open houses, and webinars. New York's five Technical Working Groups—Environmental, Fishing, Maritime, Jobs and Supply Chain, and Environmental Justice—ensure continued collaboration among entities with subject-matter expertise, practical experience, and professional interest to responsibly advance offshore wind in the State. As part of our commitment to stakeholders, NYSERDA published the Guiding Principles for Stakeholder Engagement as guidelines intended to support developers as they design their Stakeholder Engagement Plans, which, similar to Environmental and Fisheries Mitigation Plans, are required in NYSERDA solicitations for ORECs. NYSERDA also hosts the "Learning from the Experts" educational webinar series to connect the public with independent experts in key topics in offshore wind, including wind farm technologies, development practices, regulatory processes, and research initiatives. To learn more on how all New Yorkers will be involved in this exciting and prosperous new industry please visit our website <https://www.nyserderda.ny.gov/All-Programs/Offshore-Wind/Focus-Areas/Connecting-With-New-Yorkers>.

## Conducting research

NYSERDA is continuing to analyze various elements of offshore wind development, including supporting data collection and environmental and fisheries research. NYSERDA is a founding member and on the Steering Committee and State Caucus for the Regional Wildlife Science Collaborative for Offshore Wind (RWSC), which coordinates regional monitoring and research of wildlife and marine ecosystems to advance responsible offshore wind energy development. NYSERDA hosts the Biennial State of the Science workshop attracting scientists and other stakeholders from around the world to learn and collaborate on research relevant to offshore wind, ecosystems, wildlife, fisheries and other topics.

## Coordinating between State and federal agencies and stakeholders

NYSERDA works closely with the U.S. Department of the Interior's Bureau of Ocean Energy Management (BOEM) to successfully permit existing wind projects and identify new wind energy areas off New York's Atlantic Coast. BOEM and the states of New York and New Jersey collaborate on transitioning to a clean energy future to create well-paying, family-supporting jobs, and establish a durable domestic supply chain. In addition, New York State is helping lead an eleven-state working group to establish a regional administrator to hold, manage, and distribute a compensatory fund to mitigate economic losses and costs to fisheries arising from offshore wind development on the eastern seaboard.

Up  
To **\$700 million**  
**investment**  
**New York Port and**  
**Manufacturing Facilities**

More Than  
**\$120 million**  
**Public and Private**  
**Offshore Wind**  
workforce training investments

More Than  
**\$3 billion**  
**Spending**  
**Commitment**  
in New York's historically  
disadvantaged communities

**Learn more about offshore wind  
in New York State.**

[nyserderda.ny.gov/offshorewind](https://nyserderda.ny.gov/offshorewind)



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