

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. Offshore wind is a cornerstone of New York's ambitious and comprehensive 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-emissions electricity by 2040. 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. In addition to delivering important health and climate benefits, offshore wind presents significant opportunities statewide, including infrastructure development, workforce opportunities, and economic benefits, while prioritizing equity in the State's transition to a clean energy economy.

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
- Public health benefits from reducing harmful pollutants emitted from fossil-fuel generation sources, including fewer incidents of illness and premature death
- 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 for more information on the Master Plan.



Offshore Wind

Achieving New York's offshore wind goals

Competitively selecting offshore wind projects

NYSERDA releases competitive solicitations for Offshore Renewable Energy Certificates (ORECs) to select offshore wind projects to advance development of clean, renewable offshore wind energy for New York State. New York's competitive processes have resulted in the selection of eight projects, although not all are currently active. **For up-to-date information about NYSERDA's active projects, visit [offshorewind.ny.gov](https://www.nyselderda.ny.gov/offshorewind).** NYSERDA's past awards include: Empire Wind 1 (816 MW awarded in 2019; planned 810 MW awarded in 2024), Sunrise Wind (880 MW awarded in 2019; planned 924 MW awarded in 2024), 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 operational commercial scale project – 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. Governor Kathy Hochul has committed \$500 million in state grant funding to support the establishment and growth of an offshore wind supply chain in New York. NYSERDA makes funds available through competitive procurements. These investments strengthen New York's position as a hub for the domestic offshore wind supply chain, supporting offshore wind projects up and down the East Coast. The offshore wind 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 engagement and public outreach

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 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.nyselderda.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 establishing 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.



Photo courtesy of South Fork Wind

Learn more about offshore wind in New York State.

[nyselderda.ny.gov/offshorewind](https://www.nyselderda.ny.gov/offshorewind)



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