Offshore Wind is Ready to Power New York

As part of New York State’s ambitious energy agenda, the State seeks to secure 50 percent of its electricity from renewable resources by 2030. To help reach this goal, Governor Andrew M. Cuomo set an unprecedented commitment to develop 2,400 megawatts of offshore wind by 2030, enough to power up to 1.2 million homes. Offshore wind will help the State responsibly bring more clean, renewable energy to Long Island and New York City—areas that together account for 45 percent of the State’s annual electricity use.

New York will help responsibly develop **2,400 megawatts** of offshore wind power by 2030, enough to power up to **1.2 million homes** in New York City and Long Island

**OFFSHORE WIND WILL BRING**

- Clean, locally produced power
- Significant investments in coastal infrastructure and communities
- Real opportunity for thousands of short- and long-term skilled construction, manufacturing, and operation jobs
- Renewable energy generation close to a densely populated region
- A more diversified grid and electricity supply

**OFFSHORE WIND MASTER PLAN**

The New York State Offshore Wind Master Plan (Master Plan) is a comprehensive roadmap that encourages responsible and cost-effective development of offshore wind in a manner that is sensitive to environmental, maritime, and economic issues and communities. The Master Plan helps to minimize project risks and encourages competition among project developers, resulting in reduced costs.
STUDIES AND SURVEYS
To help inform the Master Plan, 20 studies were conducted with engagement from State and federal agencies, elected officials, local communities, labor and business organizations, commercial and recreational fishing groups, maritime communities, non-governmental organizations, industry stakeholders and indigenous nations. Environmental, social, economic, regulatory, and infrastructure studies were undertaken and are as follows:
> Analysis of Multibeam Echo Sounder and Benthic Survey Data
> Assessment of Ports and Infrastructure
> Aviation and Radar Assets Study
> Birds and Bats Study
> Cable Landfall Permitting Study
> Cables, Pipelines, and Other Infrastructure
> Consideration of Potential Cumulative Effects
> Cultural Resources Study
> Environmental Sensitivity Analysis
> Fish and Fisheries Study
> Health and Safety Study
> Marine Mammals and Sea Turtles Study
> Marine Recreational Uses Study
> Offshore Wind Injection Assessment
> Preliminary Offshore Wind Resource Assessment
> Sand and Gravel Resources Study
> Shipping and Navigation Study
> U.S. Jones Act Compliant Offshore Wind Turbine Installation Vessel Study
> Visibility Threshold Study
> Workforce Opportunity of Offshore Wind in New York

View the studies and surveys at nyserda.ny.gov/offshore-wind-studies

AREA FOR CONSIDERATION
In October of 2017, a larger study area was refined through a rigorous data-driven process and informed by stakeholder feedback. New York State identified an Area for Consideration, comprised of 1,061,802 acres and located more than 21 miles from land, that presents the fewest conflicts to ocean users, natural resources, infrastructure, and wildlife. The State requested that the federal Bureau of Ocean Energy Management (BOEM) identify and lease at least four new Wind Energy Areas within this area, each capable of supporting at least 800 MW of offshore wind.

LOOKING TOWARD 2030
• In his 2018 State of the State Address, Governor Cuomo called for New York to issue two solicitations in 2018 and 2019 with a combined total of at least 800 MW of offshore wind power, which is enough clean, renewable energy to power 400,000 New York households.
• NYSERDA will invest $15 million in clean energy workforce development and infrastructure advancement. This will include training workers for jobs in offshore wind construction, installation, operation, maintenance, and design. To attract private investment in port infrastructure and manufacturing, the State will work with industry and determine promising infrastructure investments, helping jumpstart project development, drive job growth, and secure New York’s status as the undisputed home for the emerging offshore wind industry in the U.S.
• New York State will form technical working groups to develop best practices for project development and ensure continued collaboration among those with technical knowledge, practical experience, and professional interest.

Visit nyserda.ny.gov/offshorewind for more information on the New York State Offshore Wind Master Plan and to sign up to receive the latest news about offshore wind in New York State.

NYSERDA offers objective information and analysis, innovative programs, technical expertise, and support to help New Yorkers increase energy efficiency, save money, use renewable energy, and reduce reliance on fossil fuels.