






NYSERDA

New York State Offshore Wind Update

May 9, 2018



New York Clean Energy Standard


50%
 **renewable
energy by**
2030 

New York State will commit to building:

**2,400 megawatts of offshore
wind power by 2030, which will
generate enough power for
up to **1.2 million homes.****

Offshore Wind Master Plan

A comprehensive state roadmap for advancing development of offshore wind in a cost-effective and responsible manner

Key Elements

- Identifies the most favorable areas for potential offshore wind energy development
- Describes the economic and environmental benefits of offshore wind energy development
- Addresses mechanisms to procure offshore wind energy at the lowest ratepayer cost
- Analyzes costs and cost-reduction pathways
- Recommends measures to mitigate potential impacts of offshore wind energy development
- Identifies infrastructure requirements and assesses existing facilities
- Identifies workforce opportunities



NEW YORK STATE OFFSHORE WIND MASTER PLAN

**Charting a Course to 2,400 Megawatts
of Offshore Wind Energy**

Master Plan Supporting Studies and Surveys

Environmental

- Marine Wildlife Survey
- Analysis of Multibeam Echo Sounder and Benthic Survey
- Birds and Bats
- Environmental Sensitivity Analysis
- Fish and Fisheries
- Marine Mammals and Sea Turtles
- Preliminary Wind Resource Assessment
- Sand and Gravel Resources
- Consideration of Potential Cumulative Effects

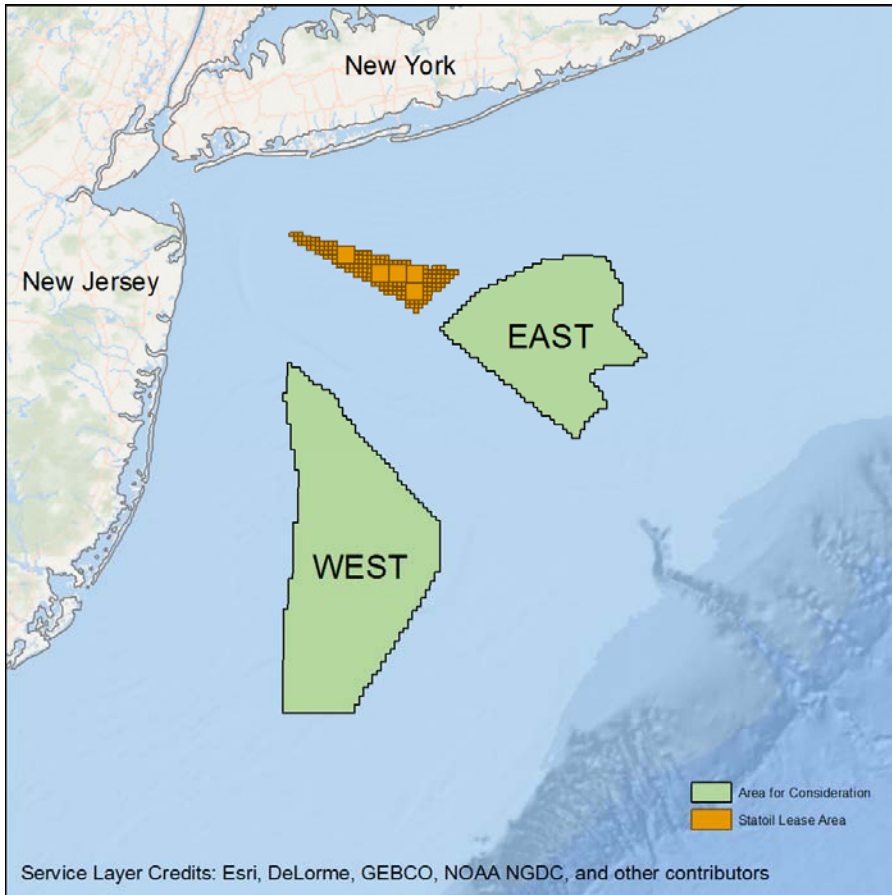
Social and Regulatory

- Aviation and Radar Assets
- Health and Safety
- Shipping and Navigation
- Cultural Resources
- Cable Landfall Permitting
- Marine Recreational Uses
- Visual Threshold Study

Economic and Infrastructure

- Pipelines, Cable, and Other Infrastructure
- Ports and Supply Chain
- Workforce Opportunities in New York
- Jones Act Compliant Vessels
- Project Cost Projections
- Offshore Wind Injection Assessment

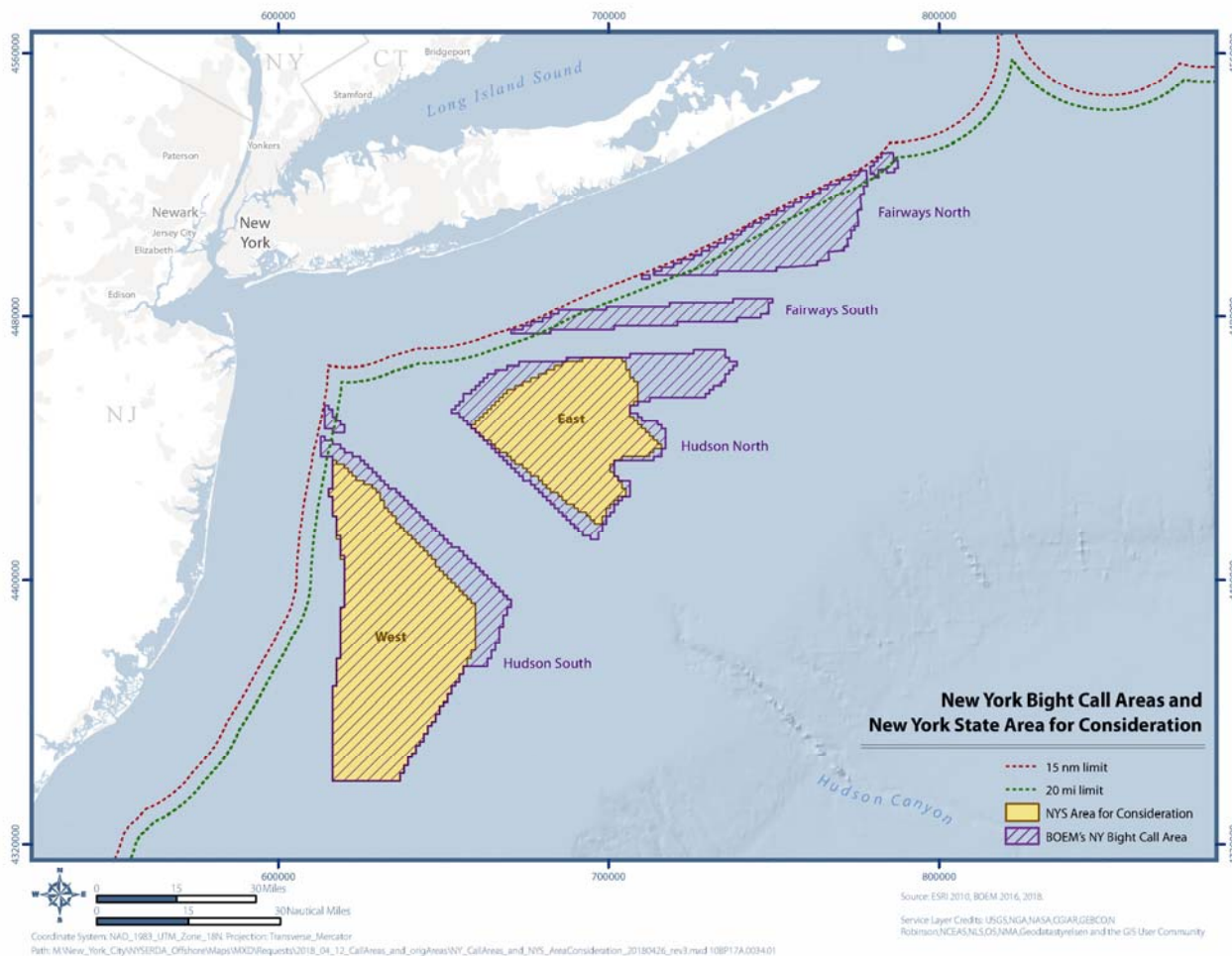
Area for Consideration



October 2017

New York State identified an **Area for Consideration** and requested that the federal Bureau of Ocean Energy Management identify and lease at least four new Wind Energy Areas within the area, each capable of supporting at least 800 MW of offshore wind.

BOEM Call Areas and NY's Area for Consideration





Issue solicitations in 2018 and 2019 to develop

at least

800 MW

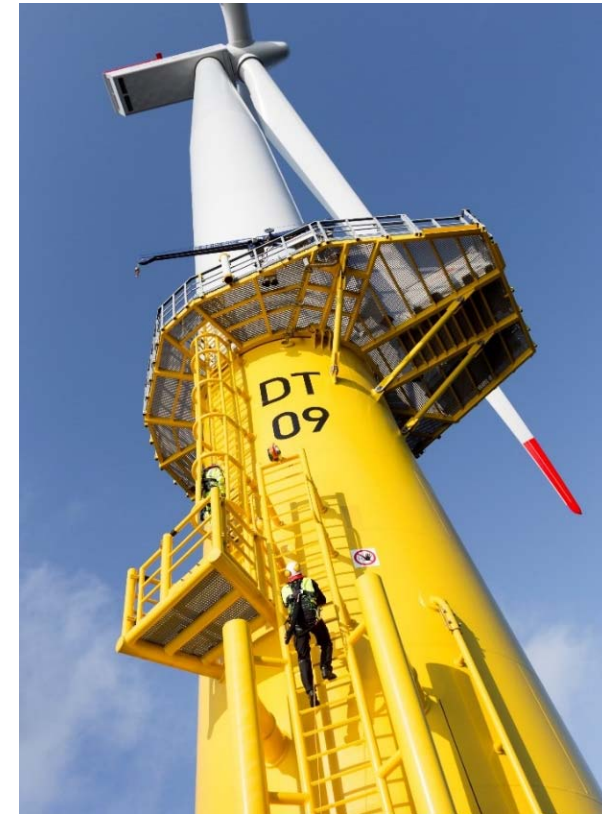
of offshore wind projects

NEW YORK
STATE OF
OPPORTUNITY

NYSERDA

Public Service Commission Proceeding

- NYSERDA filed an **Offshore Wind Policy Options Paper** on January 29, 2018
- The Options Paper provides an assessment of alternatives for addressing a wide range of policy issues pertinent to the successful deployment of a first phase of offshore wind energy of at least 800 MW of offshore wind procured in 2018 and 2019
- A proceeding is underway (**Public Service Commission Case 18-E-0071**) which will culminate in an Order defining the logistics of New York's offshore wind program
- The proceeding is guided by two principal documents:
 1. An Draft Generic Environmental Impact Statement, comments due on May 9, 2018
 2. A Notice published by the Department of Public Service, which leverages NYSERDA's Offshore Wind Policy Options Paper, comments due on June 4, 2018



Ongoing Studies and Analysis

Metocean



- Improve characterization of the wind, wave and ocean current environment.
- Useful in refining project layouts and reducing project uncertainty.

Air Quality



- Explore undertaking a detailed assessment of the air quality and health impacts of achieving New York's 2030 goals.
- Refine the understanding of the hourly impacts of offshore wind generation in relation to the demands of the grid.

Wildlife



- Collaboration with appropriate federal and state agencies, universities and scientists to collect baseline data.
- Map seasonal patterns to assist the identification of important habitat areas and predict future areas of high use.

Supply Chain



- Collaborate with industry to study how New York can best support the OSW supply chain.
- Analyze technical challenges to envision a path forward for the broader US industry.

Technical Working Groups

Environmental



- Development of Wildlife Best Management Practices.
- Coordination for adaptive management.
- Identification of research needs and coordination.
- Lead: NYSERDA

Commercial and Recreational Fishing



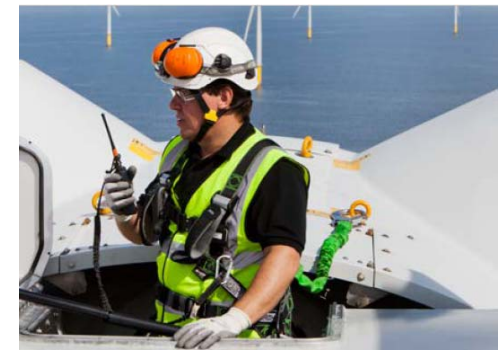
- Development of Fisheries Best Management Practices.
- Identification of research needs and coordination.
- Development of a framework for understanding commercial fishing impacts.
- Improved Communications
- Lead: NYS Dept. of Environmental Conservation (DEC)

Maritime



- Development of Maritime Best Management Practices.
- Define strategies that could help members engage effectively with OSW development.
- Commitment to smart development
- Lead: NYS Dept. of State (DOS)

Jobs and Supply Chain



- Facilitate the connection of local manufacturers with global OSW developers and equipment manufacturers.
- Ensure certification and training requirements are clear and readily available.
- Lead: NYSERDA

Questions?

Contact Us:

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