

New York State Offshore Wind Master Plan

Monday, July 10

Tuesday, July 11

Wednesday, July 12

Long Island Association, Melville

Long Beach Public Library, Long Beach

Southampton Inn, Southampton



NYSERDA

New York State Energy Plan – 2030 Clean Energy Goals

40%
Reduction
in greenhouse gas emissions
from 1990 levels

Reducing greenhouse gas (GHG) emissions from the energy sector—power generation, industry, buildings, and transportation—is critical to protecting the health and welfare of New Yorkers and reaching the longer term goal of decreasing total carbon emissions 80% by 2050.

50%
Electricity
will come from renewable
energy sources

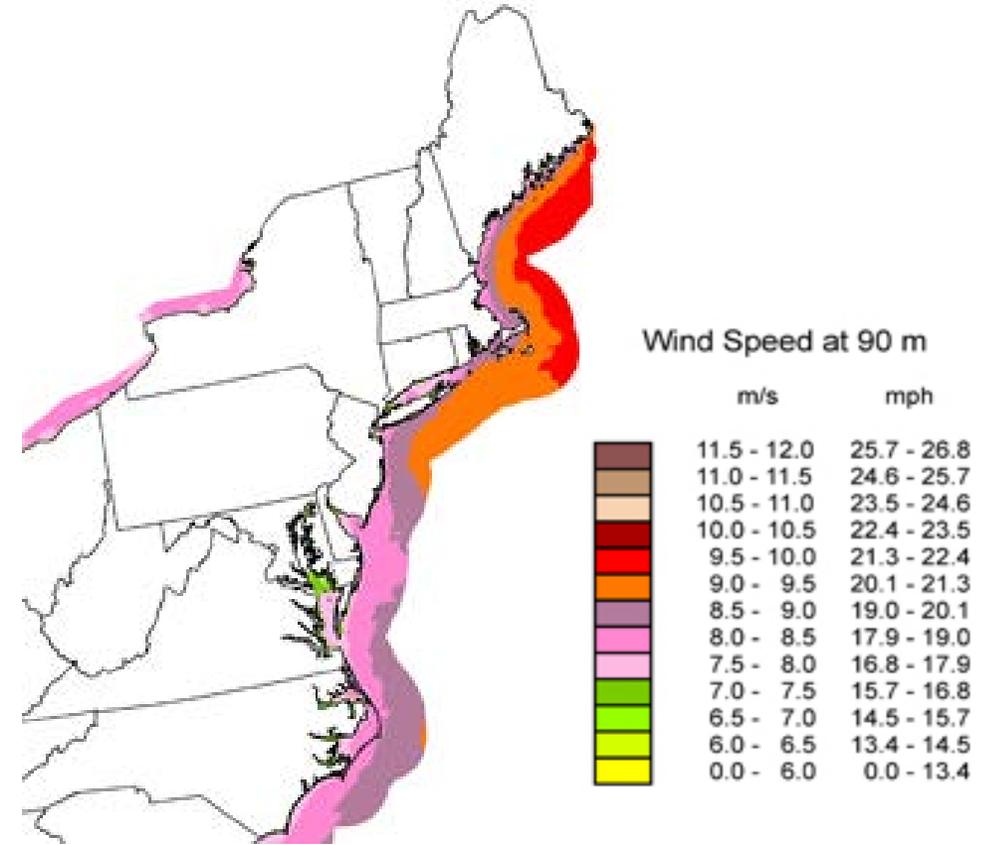
Renewable resources, including solar, wind, hydropower, and biomass, will play a vital role in reducing electricity price volatility and curbing carbon emissions.

23%
Decrease
in energy consumption in
buildings from 2012 levels

Energy efficiency results in lower energy bills and is the single most cost-effective tool in achieving clean energy objectives. 600 trillion British thermal units (TBtu) in energy efficiency gains equates to a 23% reduction from 2012 in energy consumption in buildings.

Why Offshore Wind for New York?

- Clean, renewable, and locally produced power
- Generates renewable energy close to a densely-populated region
- Produces power when demand is highest
- Major new source for thousands of construction, manufacturing, and operations jobs



**Goal: 2,400 megawatts by 2030 –
enough offshore wind energy
to power 1.25 million homes**

Offshore Wind by state

MD: 368 MW by 2024

MA: 1,600 MW by 2027

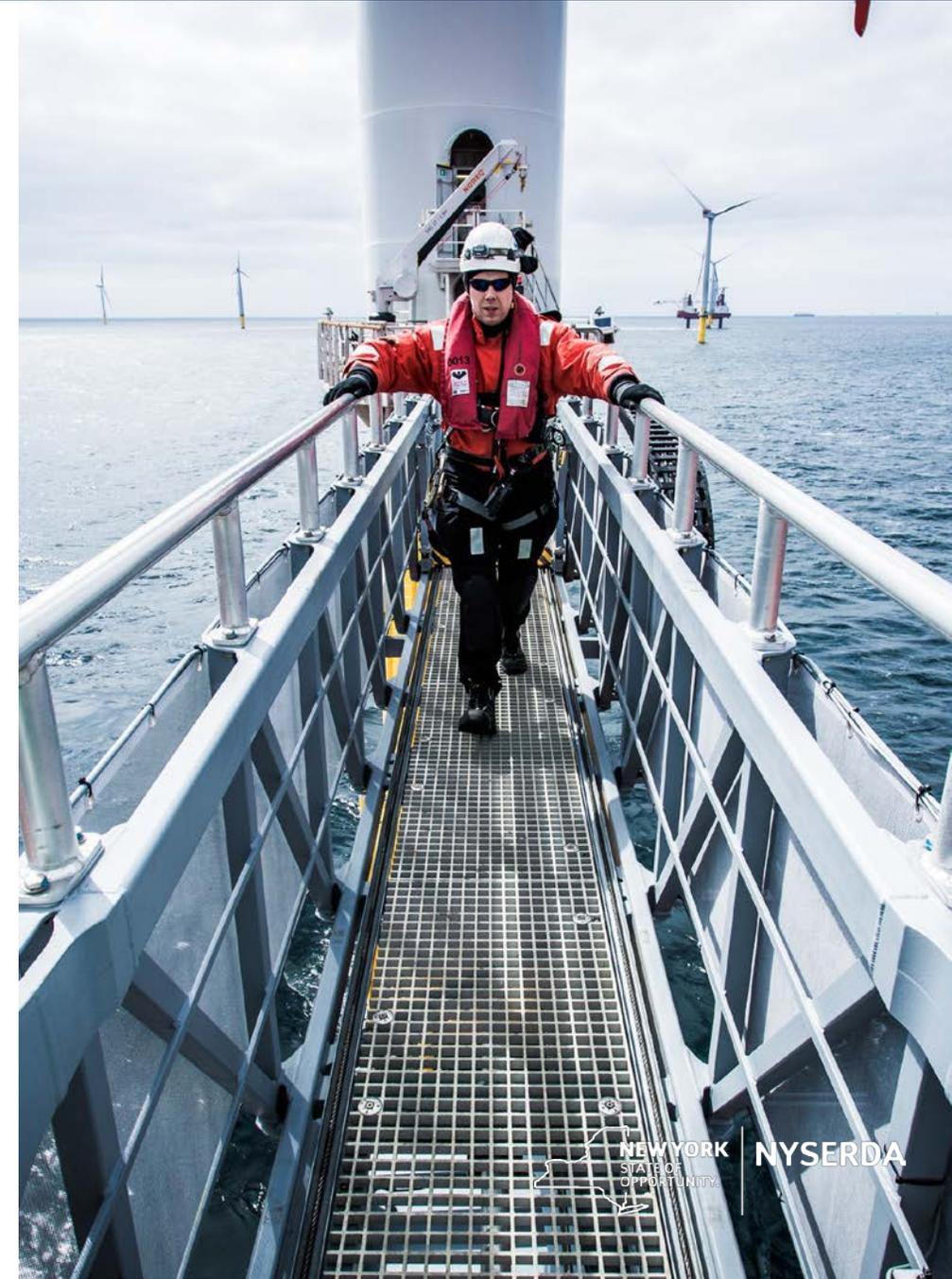
NY: 2,400 MW by 2030

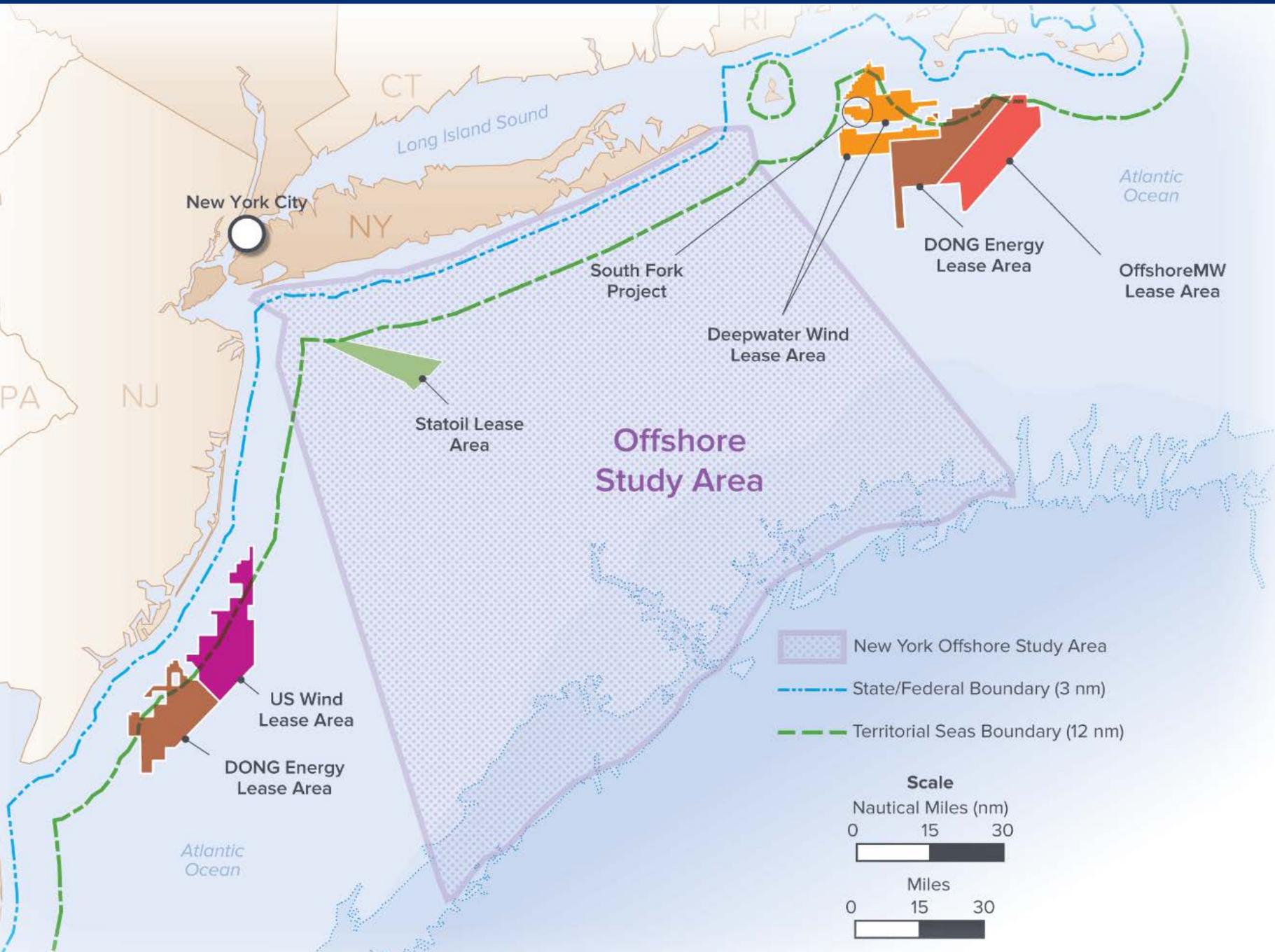
Offshore Wind Master Plan

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

Key Elements

- Stakeholder and community engagement
- Environmental, social, regulatory, economic, and infrastructure related studies
- Site identification and guidelines for developers
- Analysis and support for cost effective electricity purchase





Master Plan Offshore Study Area

Only 2%
of the Offshore
Study Area is
needed to meet
the State's goal of
2,400 MW by 2030

Key Wind Farm Characteristics

- Only 240 to 300 turbines required to achieve 2,400 megawatt goal
- Turbines approximately one mile apart
- Cables buried approximately six feet
- New York State will impose no fishing restrictions within wind farms
- Turbines and platforms can include other infrastructure (cell service, Internet, emergency platforms, etc.)



Studies and Surveys

Environmental

- Marine Wildlife Survey
- Sea Floor and Benthic Survey (Mapping and Environmental Assessment)
- Birds and Bats
- Environmental Sensitivity and Permitting Risk Analysis
- Fish and Fisheries
- Marine Mammals and Sea Turtles
- Metocean (Wind, Waves, and Current) Characterization
- Sand and Gravel Resources

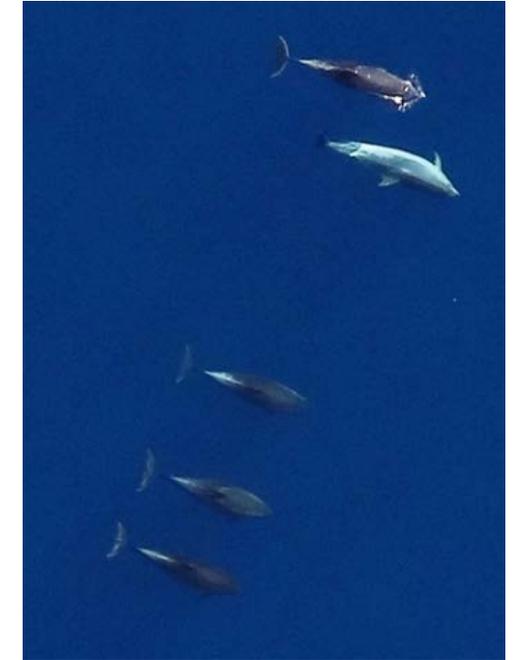
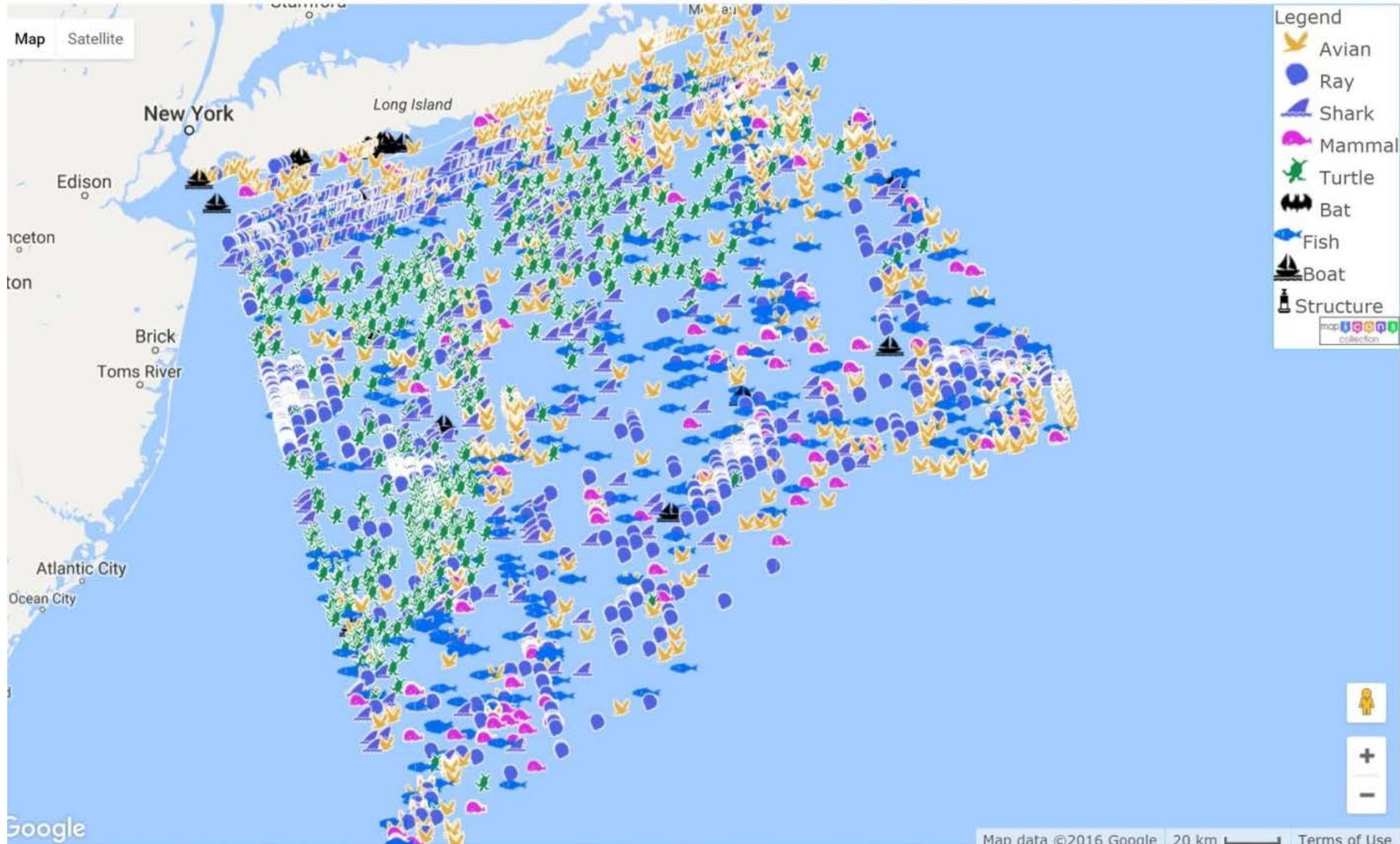
Social and Regulatory

- Aviation and Radar
- Grid Interconnection
- Health and Safety
- Shipping and Navigation
- Marine Archeology and Cultural Resources
- Onshore Permitting Constraints
- Recreational Uses
- Visual Simulation

Economic and Infrastructure

- Pipelines, Cable, and Third Party Infrastructure
- Ports and Supply Chain
- Jobs and Economic Benefits
- Vessels
- Project Cost Projections

Marine Wildlife Aerial Survey



Potential Public Input Opportunities



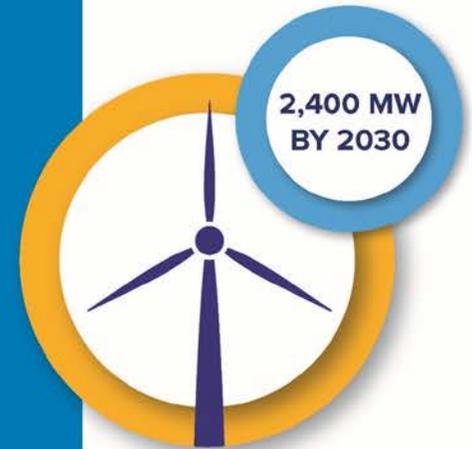
Below are examples of public input opportunities for offshore wind projects in New York State.

Federal Agency 
 BUREAU OF OCEAN ENERGY MANAGEMENT (BOEM)

<p> Planning and Analysis</p> <ul style="list-style-type: none"> • Task Force and Public Information Meetings • Request for Interest (RFI) and/or Call for Information and Nominations (Call) • Notice of Intent to Prepare a NEPA Document (NOI) • Public Scoping Meetings for NEPA Document • Notice of Availability of a NEPA Document (NOA) • Public Meetings during Draft NEPA Document Comment Period 	<p> Leasing</p> <ul style="list-style-type: none"> • Task Force and Public Information Meetings • Proposed Sale Notice (PSN) 	<p> Site Assessment and Characterization</p> <ul style="list-style-type: none"> • Task Force and Public Information Meetings 	<p> Commercial Development</p> <ul style="list-style-type: none"> • Task Force and Public Information Meetings • NOI • Public Scoping Meetings for NEPA Document • NOA • Public Meetings during Draft NEPA Document Comment Period
---	--	---	---

New York State
Examples of opportunities for public input as part of the state permitting process:

<p> NYSERDA</p> <ul style="list-style-type: none"> • Open Houses • Master Plan 	<p> Department of Public Service</p> <ul style="list-style-type: none"> • Certificate of Environmental Compatibility and Public Need under Article VII for transmission facilities 	<p> Department of State</p> <ul style="list-style-type: none"> • Federal Consistency Certification under the Coastal Zone Management Program 	<p> Office of General Services</p> <ul style="list-style-type: none"> • State Submerged Lands Easement under the NY Public Lands Law 	<p> Other potential engagement opportunities may be available for specific offshore wind projects</p>
--	--	---	---	---



Project Construction and Development

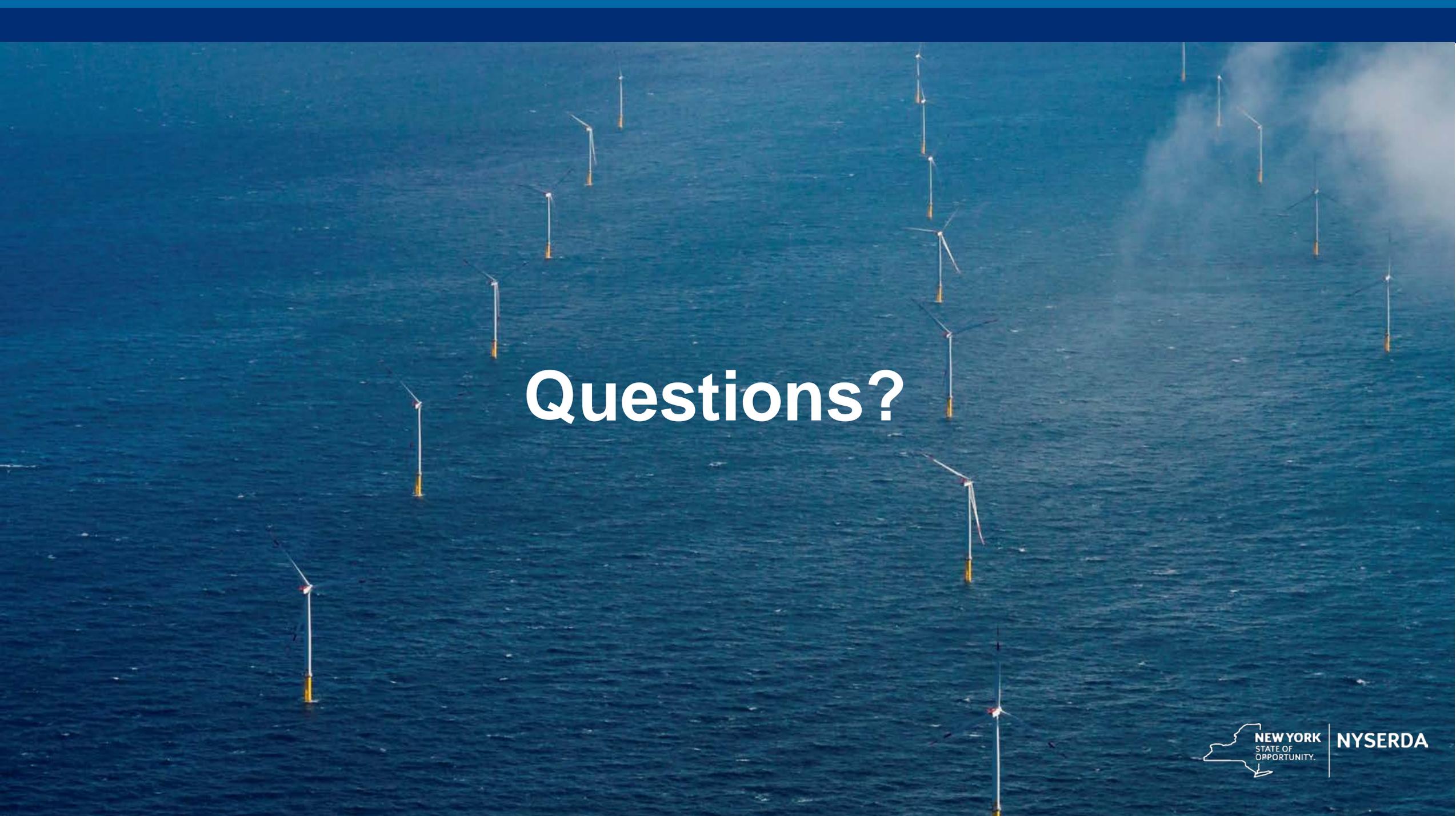
Contact Us

Website: nyscrda.ny.gov/offshorewind

Email: offshorewind@nyscrda.ny.gov

Submit comments:
nyscrda.ny.gov/Offshore-Wind-Comments





Questions?

Thank You

Visit our website for more information:
nyserderda.ny.gov/offshorewind

Contact us via email:
offshorewind@nyserderda.ny.gov

Submit comments for the Master P_Lan:
nyserderda.ny.gov/Offshore-Wind-Comments

