



New York State Offshore Wind Current Projects and Planning

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Maritime Technical Working Group Workshop
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NYSERDA

New York State Offshore Wind Goals

July 2019, New York State signed into law the Climate Leadership and Community Protection Act (Climate Act)

- > Mandates a minimum of 9 GW of offshore wind by 2035
- > Requires New York State achieve an 85% reduction in emissions below 1990 levels by 2050 and 100% zero-emissions electricity by 2040
- > Created a Climate Action Council (CAC) charged with developing a scoping plan to provide recommendations to meet Climate Act targets and place New York on a path toward carbon neutrality

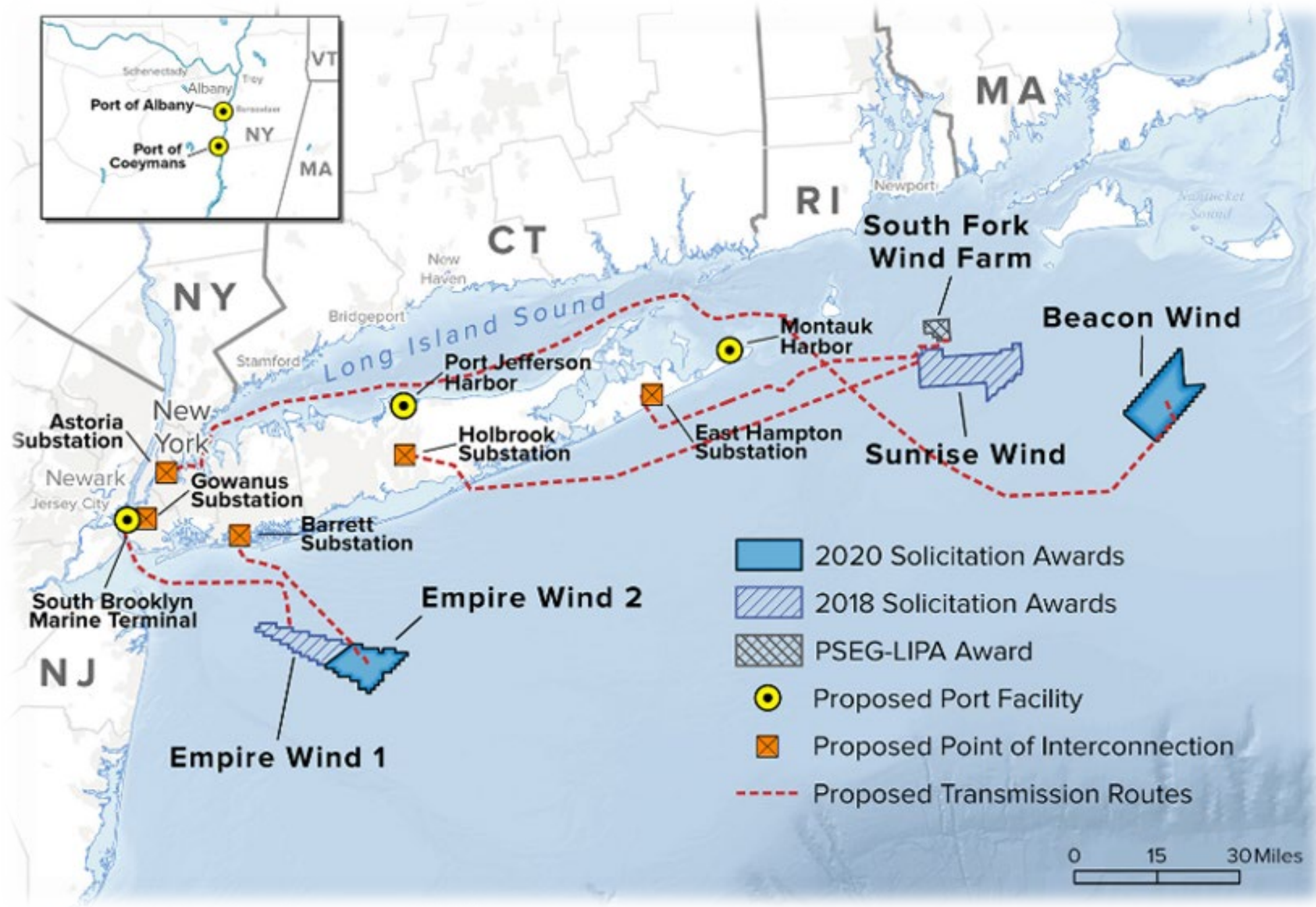
The CAC scoping plan suggests 16-18 GW of offshore wind energy may be necessary to ensure New York State achieves its Climate Act mandate.

- > Planning, analysis, and engagement is critical for responsible development
- > Additional lease areas may be needed

Five Projects

in Active Development

Total of
4,316 MW



NYSERDA's Third Offshore Wind Solicitation (NY3)

- First installment of \$500 MM of Funding to support Investments
- Offshore Transmission Grid “Mesh-Readiness”, and Optional Storage
- Prioritized Fossil-Fuel Retirements
- Stakeholder Engagement, Labor Plans and Environmental Stewardship
- Benefits to NYS Disadvantaged Communities including Workforce Training
- 2021 NYS Public Service Law Changes: Prevailing Wage, Project Labor and Peace Agreements

Procuring at least 2,000 MW of Offshore Wind

SCHEDULE

NY3 Solicitation Schedule	
RFP Release	July 27, 2022
Notice of Intent to Propose	December 1, 2022
Bid Submission	January 26, 2023
Award Notification	Q1 2023
Contract Execution	Q2 2023

6 Notices of Intent to Propose received, representing:

- 7 offshore lease areas totaling approximately eight gigawatts of new generation capacity
- Project developers: Attentive Energy, Bay State Wind, Beacon Wind, Community Offshore Wind, Invenergy Wind Offshore, and Vineyard Offshore

OSW Cable Corridor Constraints Assessment

Objective

To inform actions New York State may consider to ensure maximum benefits of renewable OSW energy while minimizing conflicts and impacts to activities and infrastructure.

Goal 1: Document and increase the understanding of environmental, technical, and stakeholder constraints, as well as opportunities, concerns, impacts, and risks of potential undersea and overland cable corridors and associated landings.

Goal 2: Inform potential future policy actions that maximize the benefits of OSW and minimize conflicts and impacts in a timeframe to support achieving the mandated 9 GW of OSW by 2035.

Building on Existing Studies

- Master Plan, Power Grid Study, Offshore Wind Ports: Vessel Traffic Risk Assessment, Submarine Cabling

Stakeholder Engagement

- Requests for Information on Draft Assessment Framework and Draft Assessment
- Public webinar:
<https://www.nyserda.ny.gov/All-Programs/Offshore-Wind/Focus-Areas/Transmission-NY-Electricity-Grid>
- Meetings with Environmental, Fisheries, and Maritime TWGs and individual stakeholders

Cable Working Group (CWG):

NYSERDA

Department of Public Service

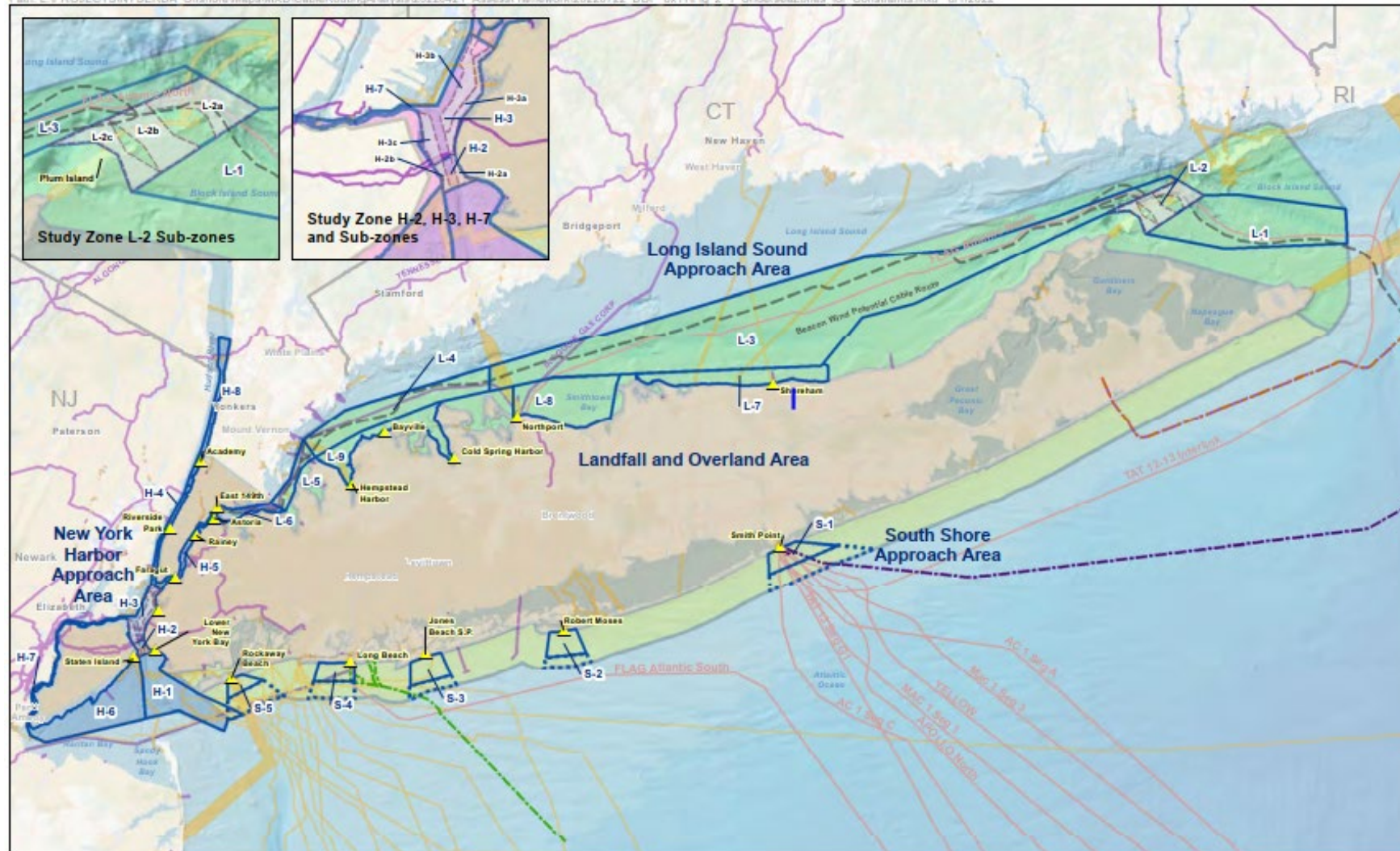
Department of State

Department of Environmental Conservation

Department of Transportation

Office of General Services

- > Met monthly throughout the past year
- > Guided systematic evaluation of opportunities, constraints, concerns, impacts, and risks
- > Evaluated methods and analysis to ensure that results aligned with agency priorities



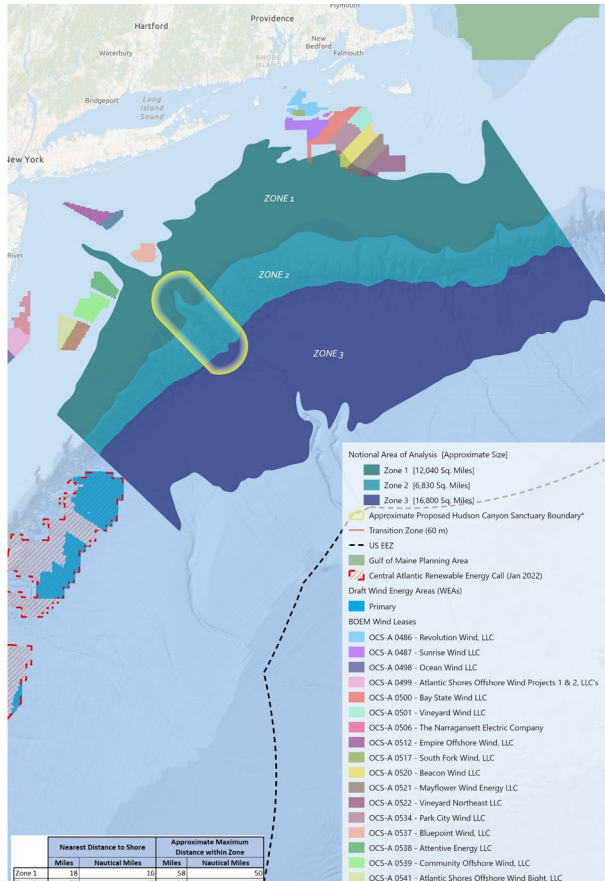
- Landing
- NASCA Member Cable In Service
- NOAA Charted Submarine Cable
- NOAA Charted Cable Area
- Pipeline (NPMS 2006 & NOAA Charted)
- NOAA Charted Pipeline Area
- Sunrise Wind- Potential Offshore Cable Routes
- Empire Wind- Potential Offshore Cable Routes
- South Fork Wind- Potential Offshore Cable Routes
- South Fork Wind- Potential Offshore Cable Routes
- Beacon Wind- Potential Offshore Cable Route
- Study Zones
- Sub-Zones
- Zone Extensions to State Boundary
- South Shore Approach Area
- Long Island Sound Approach Area
- New York Harbor Approach Area
- Landfall and Overland Area

Figure 2-1
Undersea Zones for the
Constraints Assessment

Key Findings

- 1. Incorporate accepted siting principles based on CWG and OSW industry experience to support installation of multiple cables, while minimizing use of space and impacts on environmental, cultural, and social resources, such as:**
 - Limit footprint
 - Apply parallel routing
 - Bundle cables
 - Limit crossings and cross at right angles
 - Avoid anchorage areas and navigation channels
- 2. Innovation in design, construction, operation, and maintenance techniques will be required beyond prior projects to address the site-specific and unique constraints, opportunities, schedule, and costs for siting OSW cables.**

Master Plan 2.0 Deep Water



- > Develop a State opinion on least-risk, greatest-opportunity **“Areas for Consideration”** to recommend to BOEM for leasing
- > Identify considerations in advancing areas, stakeholder feedback and data gaps for **further assessment** by BOEM
- > **Continue to cultivate** robust, transparent, and proactive stakeholder engagement
- > **Characterize the risks and opportunities** for OSW development and provide a comprehensive, sequential, and logical approach for achieving 9+GW in support of New York State policies

Master Plan 2.0 Deep Water Initial Studies

Maritime Activities

- > Maritime Assessment: Commercial and Recreational Uses

Environment and Fisheries

- > Birds and Bats
- > Fish and Fisheries
- > Marine Mammals
- > Benthic Habitats
- > Environmental Sensitivity Assessment

Technology

- > Wind Resource and Oceanographic Conditions
- > Deep Water Wind Technologies

Feasibility

- > Distance and Depth Implications

Next Steps for Continued Engagement

Guiding Principles for
Offshore Wind

Stakeholder Engagement



- > Stakeholder engagement and public outreach on existing and NY3 OSW projects
- > Continued transmission coordination through the New York State Agencies Cables Working Group
- > Technical Working Group engagement on Master Plan 2.0 Deep Water studies

Thank You

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