

# NYSERDA Offshore Wind Program Update

BOEM NYS Offshore Wind Task Force  
September 26, 2013

# Agenda

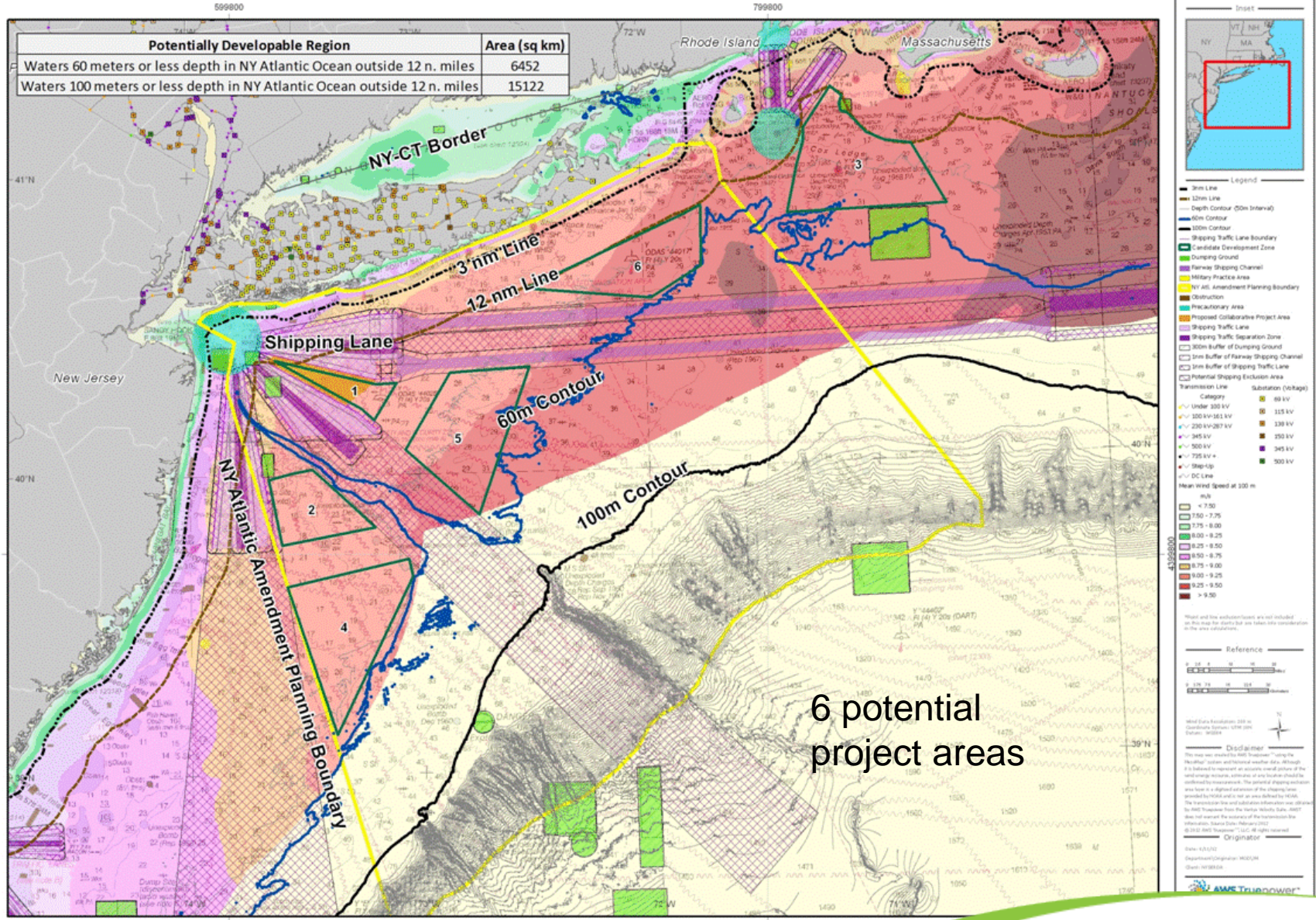
- NYS Offshore Wind Cost – Benefit Study
- NYSERDA OSW Environmental Research
- NYS Offshore Wind Policy Study
- NYSERDA Offshore Wind RFI

# NYS Offshore Wind Cost-Benefit Study

- Develop two feasible offshore wind turbine project deployment scenarios
  - 6 project areas in NY Bight developed by 2025<sup>1</sup>
  - Probable Scenario 2,450 MW /Optimistic Scenario 3,450 MW
- Analyze Federal and State permitting issues that influence project development;
- Model interaction of offshore wind projects with the electric market/grid;
- Develop estimates for capital and operating cost, transmission and interconnection costs, financing and other drivers of project cost;
- Identify New York State ports that may be adapted for offshore wind project use;
- Estimate the proportion of equipment, services and other expenditures in NYS
- Calculate cost and benefits(e.g., ratepayer impacts, macroeconomic costs and benefits)
- Conduct impact assessment over a range of sensitivities:
  - Installed costs and performance;
  - Alternate interconnection configurations;
  - Cost of capital;
  - New York-centric industrial/economic development

<sup>1</sup> refer to NYS DOS Atlantic Study Planning area (next slide)

# OFFSHORE NEW YORK EXCLUSIONS



6 potential project areas

Sites selected for the purpose of analysis only

# NYSERDA OSW Environmental Research

## Effects of Marine Energy Development on Wildlife

Develop a collaborative wildlife research plan and guidance document for New York State that discusses data gaps, research needs, research/data collection methods, and what information will be needed for the pre-construction, construction, and operational phases of the marine wind energy project.

### Major Tasks:

- Develop Steering Committee
- Develop Guidance Document for Environmental Assessments
- Develop NYS Specific Offshore Wind/Wildlife Research Plan
- Outreach of Findings

**Focus research on areas of greatest priority to New York**

# NYSERDA OSW Policy Study

**Develop policy options and financial support mechanisms for implementing offshore wind in New York** *(e.g. tax treatments, incentives, financing mechanisms, sourcing requirements or legislative actions)*

- Review OSW policies and mechanisms employed in other jurisdictions such as Europe, Massachusetts, New Jersey, Maryland, and elsewhere.
- Identify preferential structures to foster OSW development
- Assess the compatibility of policy and financial support schema with New York's energy market structure to highlight gaps/suggest structures that are supportive of OSW.
- Assess/suggest options for collaboration with other states that could influence/promote OSW industry growth.

# NYSERDA OSW RFI – Research Planning

## **NYS OSW Resource Characterization & Technical Assessment RFI (non-environmental)**

Seek stakeholder input to develop a prioritized list of research and study needs associated with offshore wind development including site assessment and marine resources.

### **Categories:**

- Existing Ocean Usage (commercial, recreational)
- Visual effects ,Historical properties & community issues
- Physical characteristics
- Meteorological and oceanographic conditions
- Other not listed (excludes wildlife)

**Understand areas of concern to focus additional research**

# NYSERDA OSW RFI – Responses

## For each topic/activity identified:

- Describe the proposed research need with objectives, questions, regulations and concerns to be addressed.
- Indicate how the research will improve baseline information and make appropriate offshore wind development more efficient in the New York Study Area.
- Describe who would benefit from the outcome of the study.
- Explain what data/information is known and explain why existing data/research does not address the concerns/needs relative to New York.
- Identify the technology, processes and partnerships that should/may be involved in conducting the proposed research.
- Suggest timing and location of data gathering within NY Study Area.

**Responses that can be made public by NYSERDA.**



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