

Update on the New York State Coastal Management Program's Offshore Wind Energy Planning

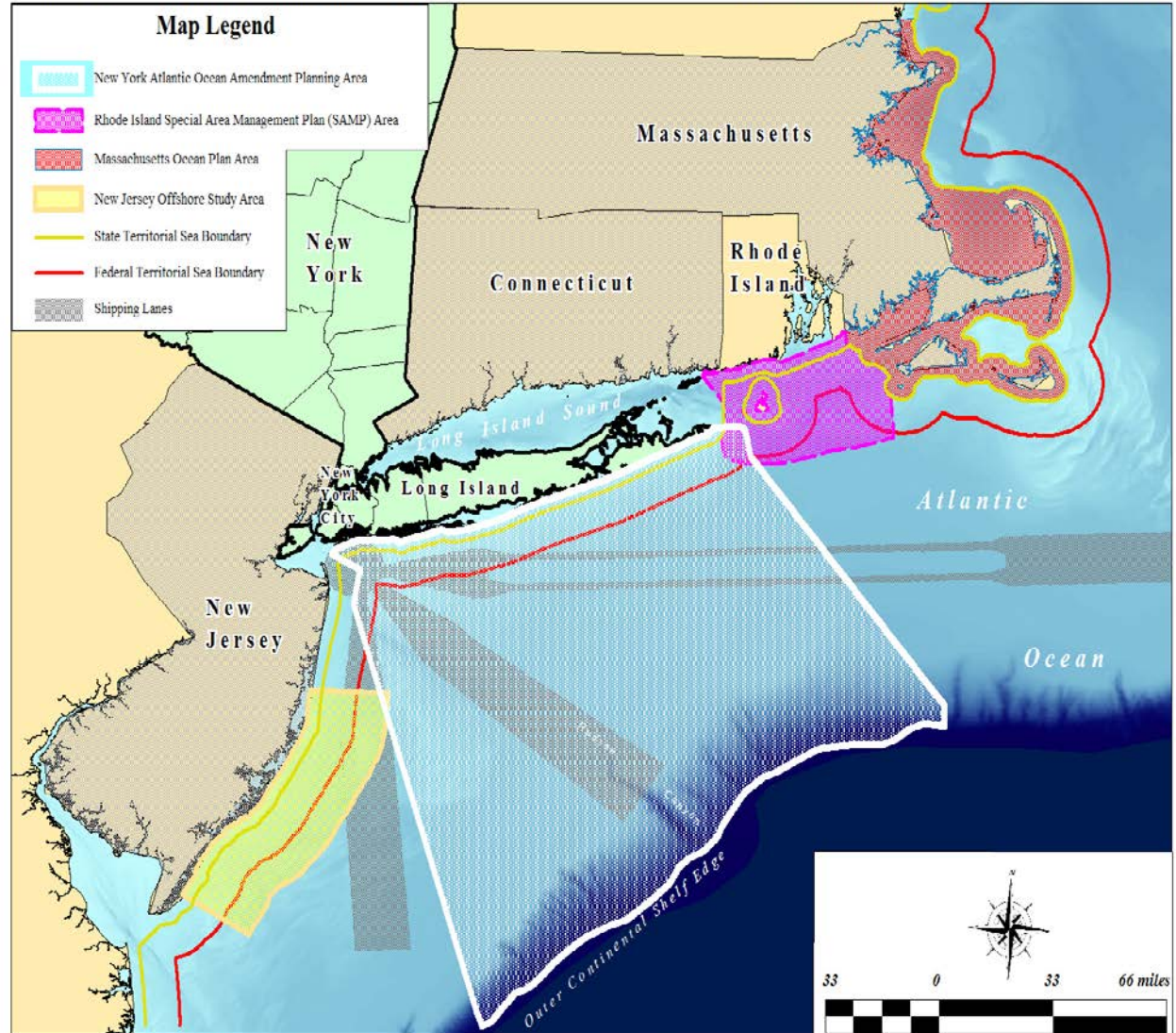
BOEM Task Force Meeting
April 3, 2012

DOS's Offshore Planning Process

- Atlantic Ocean Amendment
 - Authority: Coastal Zone Management Act
 - Purpose: Update New York's Coastal Management Program to:
 - Site Offshore wind to meet energy needs and promote associated economic development
 - Protect ocean areas important to New York's industries
- Identification of Potential Lease Areas
 - Authority: Outer Continental Shelf Lands Act
 - Purpose:
 - Identify discrete areas that may be suitable for submission to BOEM for leasing
 - A pre-screening, not a pre-clearance

New York Offshore Planning Area

Offshore Planning Regional Context



Data sources: United States Coast Guard; National Oceanic & Atmospheric Administration; NYS Department of State Coastal Management Program

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July 2011



Products from the Planning Processes

- Potentially Suitable Offshore Wind Lease Areas
 - Maps identifying lease blocks with potential for development
 - Baseline criteria to define general areas of feasibility
 - Compatibility assessment to identify potential conflicts with uses and resources
- Offshore Habitats / Ocean Use Areas
 - Maps identifying Critical Offshore Habitat Areas, areas important to state industries
- Strengthened CMP policies on energy siting, habitat protection
 - Offshore addendum to CMP Significant Fish and Wildlife Habitat criteria
 - Impact assessments for identified offshore habitats
- Public access to data layers on NY Ocean/Great Lakes Atlas

Offshore Planning: Status

1. Initial stakeholder briefings 2010
2. Collect information – in progress
 - a) Existing infrastructure, biological, geological, physical data
 - b) Creating new ocean use information through Participatory GIS
3. Data organization, synthesis – in progress
4. Develop Siting Criteria – in progress
 - a) Baseline Criteria
 - b) Compatibility Assessment
5. Identify Potential Lease Areas, Important Habitat/Use Areas
6. Federal submission & approval of Amendment

Proposed Role of Task Force Members Going Forward

- Review draft criteria, compatibility categories
- Help us identify additional interests or stakeholders
- Provide input on maps showing proposed wind energy areas for New York and shape future RFIs
- Identify questions that we should ask

Please ask questions!

Draft Baseline Criteria: Initial Exclusion Areas

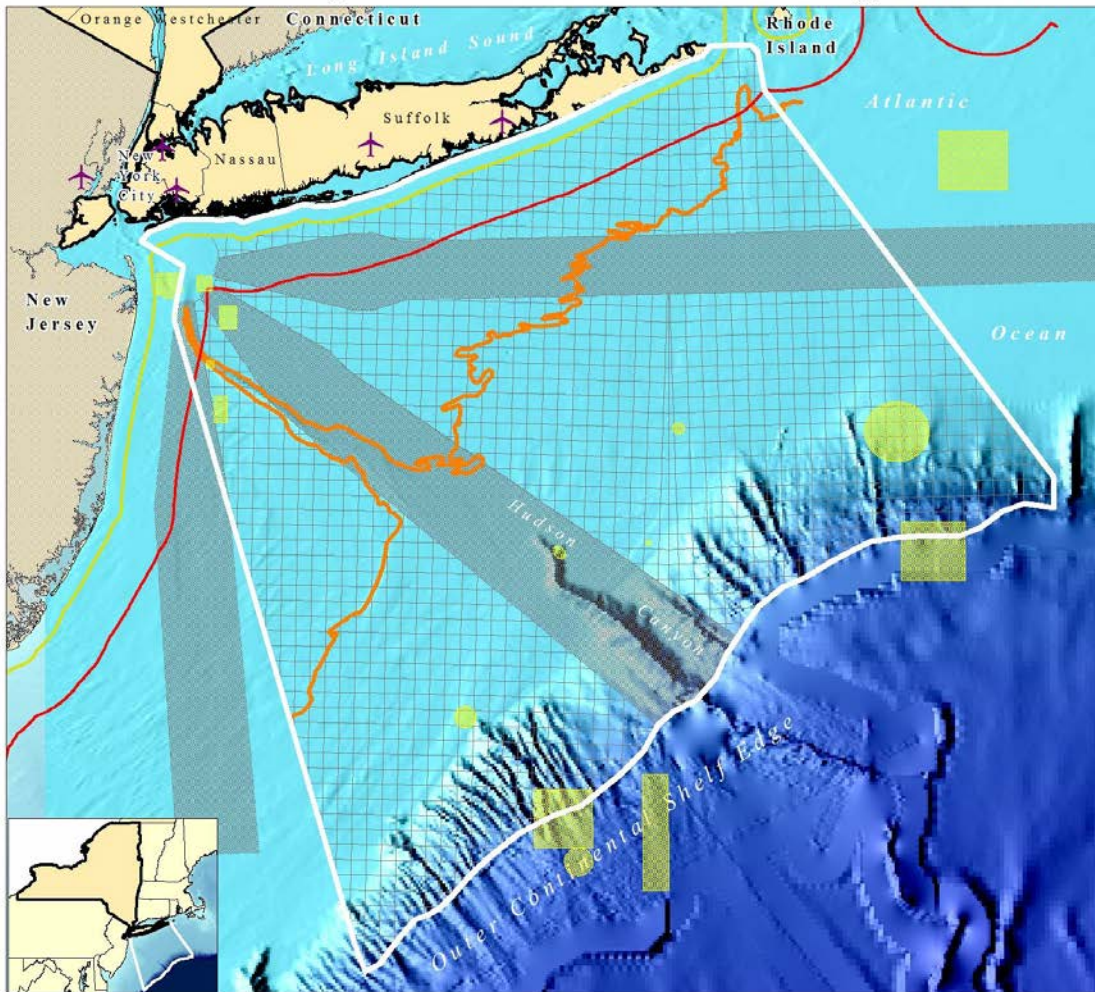
- Planning criteria to identify potential lease areas; will inform the Coastal Management Program Amendment
- Developed in partnership with NY agencies
- Focus on generation, substation/conversion facilities
- Based on current technological limits
 - Areas greater than 60 meters / 180 foot depth (turbines only)
- Based on known use constraints
 - Areas within established navigation lanes **and**:
 - their “logical extensions”
 - a 1 nautical mile buffer around the lanes
 - areas between inbound/outbound lanes of the same fairway
 - areas based on further information from the US Coast Guard, eg ACPARS

Draft Baseline Criteria continued: Initial Exclusion Areas

- Based on expected use constraints
 - Areas within 12 nm from shore (turbines only)
 - Airport approaches, tug/barge traffic, recreational activity, aesthetic concerns
 - Areas within hazardous material disposal sites
- Based on ongoing analysis still underway
 - BOEM-NY Task Force discussions: DOD, FAA, municipalities, tribes
 - Discussions with ocean use community, commercial fishers
 - Upcoming compatibility assessment

These criteria are expected to change over time as technology matures, our understanding of the ocean increases, and public attitudes & policies evolve.

New York Offshore Planning Area **DRAFT Wind Energy Baseline Criteria**



Map Legend

Disposal Sites
 60 Meter Bathymetric Contour
✈ Airports
 Offshore Planning Area
 State Territorial Sea Boundary
 Federal Territorial Sea Boundary
 Shipping Lanes
 BOEM Lease Grid

Produced by New York State Department of State Data sources: United States Coast Guard, National Oceanic & Atmospheric Administration, Bureau of Ocean Energy Management April 2012



Compatibility Assessment *In Development*

- Identifying additional exclusion areas based on uses and resources
 - e.g., high-value commercial fishing, habitat areas
- Identifying questions to assess compatibility with known uses/resources, based on:
 - NY Offshore Renewable Energy and Habitat Work Group discussions
 - Ocean use workshops, fisheries consultations
 - BOEM – NY Task Force consultations
- Categories include:
 - *Physical*, e.g., water quality
 - *Biological*, e.g. seabirds
 - *Socioeconomic*, e.g. archeological



New Data Set : Human Use of the Ocean

In Development

- Partnered with NOAA to create a participatory mapping exercise
- Met with and trained user organization principals and leaders to describe where, how, when their members used the ocean
- 5 workshops in NYC and Long Island with 29 organizations represented
- Activities underway:
 - Online survey for recreational boaters
 - Work with commercial fishing & boat-for-hire captains
 - Review maps with ocean users



Biological Data

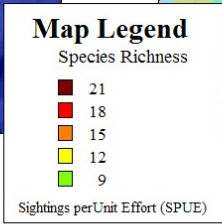
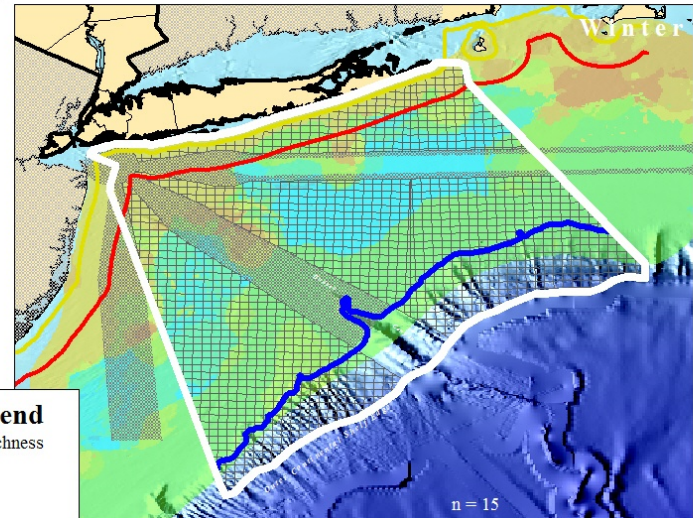
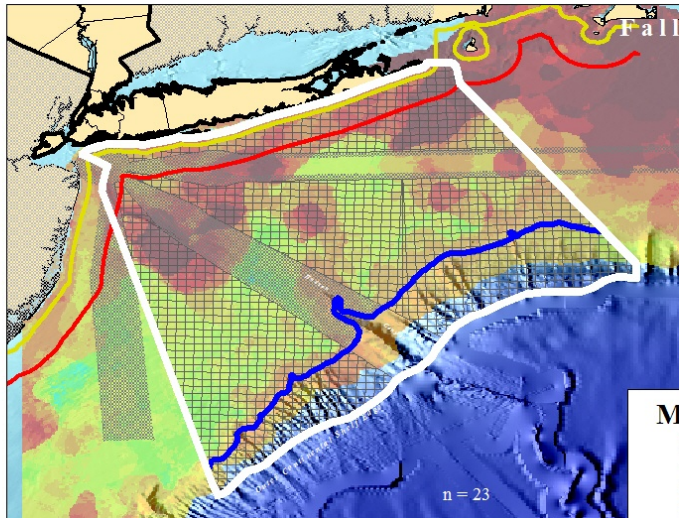
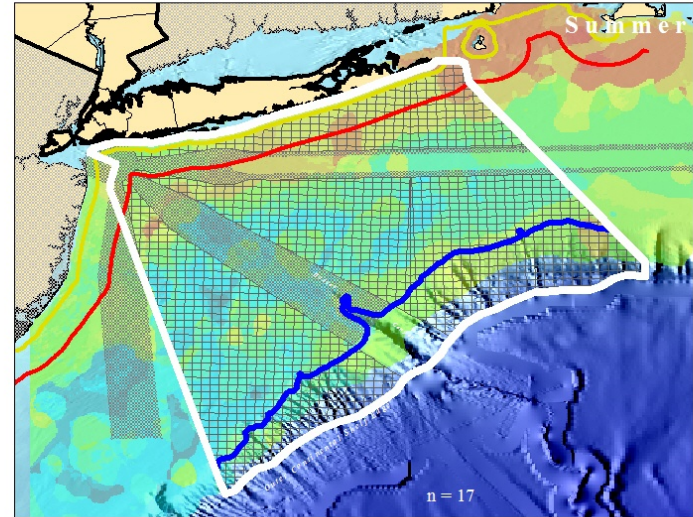
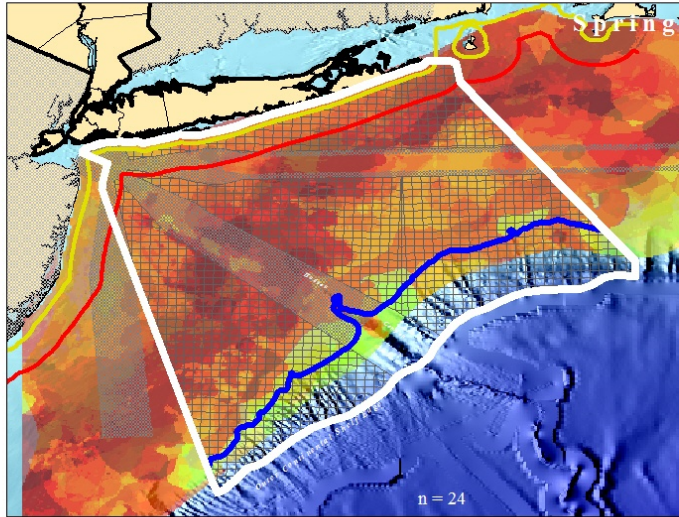
Existing data on:

- Deep Sea Corals & Sponges
- Seabirds
- Marine Mammals
- Sea Turtles
- Fish (NMFS VTR data)



New York Offshore Planning Area

Seabird Species Richness by Season



Data sources:
 Manomet Bird Observatory's Cetacean and Seabird Assessment Program (CSAP) 1980 - 1988,
 NOAA National Center for Coastal and Ocean Sciences - Biogeography Branch

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New York State Coastal Management Program Atlantic Ocean Amendment

Next steps:

- Follow-up to BOEM Task Force meeting
 - Share supporting documents for baseline criteria
 - Work with local, state, tribal and federal partners on any additional data needs
- Continue analysis, include commercial fisher data
- Continue developing policy refinements and guidance
- Complete Draft Atlantic Ocean Amendment June 2012
- Briefings and public meetings June – July 2012
 - BOEM Task Force meeting this summer or fall
- Submit Amendment to NOAA Fall 2012