



## New York's Offshore Planning Effort

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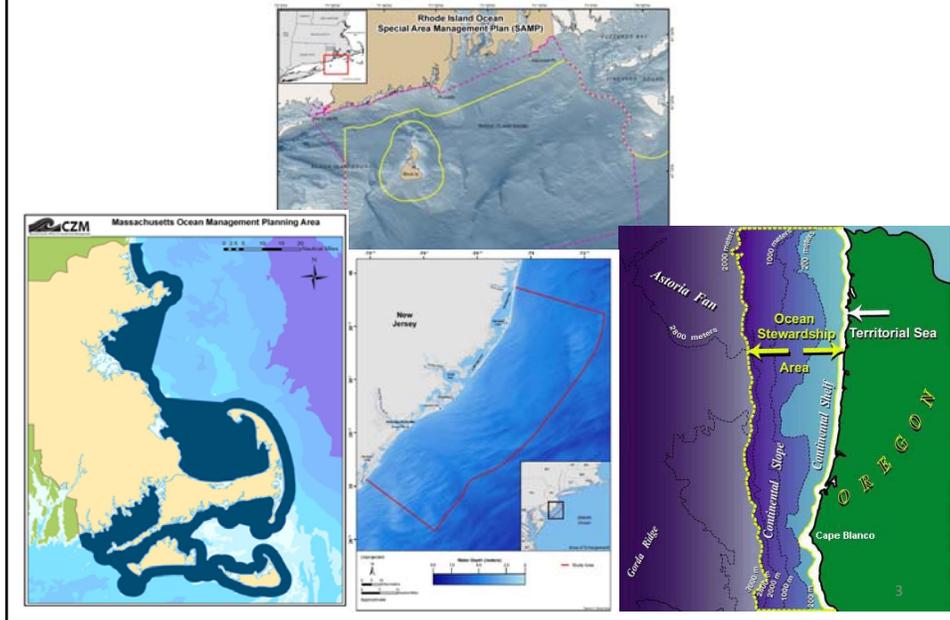
BOEMRE Offshore Renewable Energy Task Force  
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Melville, NY

## Planning Authority: Coastal Zone Management Act (CZMA)

- DOS is home to New York's Coastal Management Program (CMP)
- CZMA 'federalizes' approved state CMPs
  - Planning: CMP works with local governments
  - Regulatory: consistency decisions based on effects
- Broad view of coastal resources – more than environmental



## Other State Efforts



## DOS's Offshore Renewable Energy Planning Objectives



- Make site-selection more efficient
- Develop siting standards
- Identify information gaps
  - What's out there
  - What to look for
- Engage local user groups
- Ensure flexibility for future changes

## The NYS CMP Atlantic Ocean Amendment

- Offshore planning for:
  - renewable energy
  - habitat protection
- Based on CZMA and linked to BOEMRE's leasing process
- No moratorium
- Phased and adaptive approach
- Integrated with federal, interstate efforts



The Atlantic Ocean Amendment planning area

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## Atlantic Ocean Amendment: Process

1. Brief stakeholders – in progress
2. Collect information – in progress
  - a) Existing environmental/resource data
  - b) Ocean use information through Participatory GIS
3. Identify Management Areas
4. Develop Management Criteria
5. Analyze, amend, draft CMP siting criteria
6. Federal submission & approval

18 – 24 month process

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## Existing Information

### Bio-geophysical – e.g.:



- Bathymetry
- Benthic habitats
- Bottom sediment
- Fish (Demersal, Pelagic)
- Marine mammals
- Shellfish
- Seabirds
- Sea turtles

### Infrastructure – e.g.:

- Cables
- Pipelines
- Shipping lanes
- Military exclusion
- Disposal areas
- etc.



### Renewable energy requirements – e.g.:

- Minimum wind speed
- Maximum depth
- Bottom substrate
- Maximum distance to grid
- etc.

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## New Information - Human Use

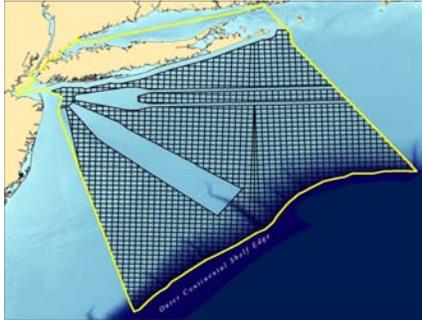
### Technical Workshops Using Participatory GIS

- Commercial fishing
- Recreational fishing
- Tour/Charter operation
- Recreational boating (motor, sail)
- Diving areas
- etc.



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## Atlantic Ocean Amendment: Products



Federal lease blocks and navigation lanes in the planning area

- Potentially suitable sites for offshore renewable energy leasing
  - Pre-screen for major concerns
  - Submit identified lease blocks to BOEMRE for Requests for Interest
  - Further analysis to occur through BOEMRE lease process
- Management and siting criteria
- Potential transmission areas

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## Atlantic Ocean Amendment: Task Force Role

- Provide insight and perspective
- Discuss Amendment products
  - Maps of areas with wind development potential
  - White papers
  - Policy changes
  - Draft Requests for Interest

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## The Road Ahead

- Coordinated transmission
  - Eastern Interconnection Planning Collaborative, AOWEC consideration
  - Atlantic Wind Connection (Google et al.)
- Deepwater wind platforms
  - Statoil Hywind: up to 700 m depth
- High-capacity hydrokinetic
  - Atlantis AK1000: 1 MW hydro turbine



<http://googleblog.blogspot.com/2010/10/wind-cries-transmission.html>

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## Thank You

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