



CLEAN ENERGY IS JUST OVER THE HORIZON

Overview of Regional Activities and Environmental and Siting Issues

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MA Wind Working Group Meeting

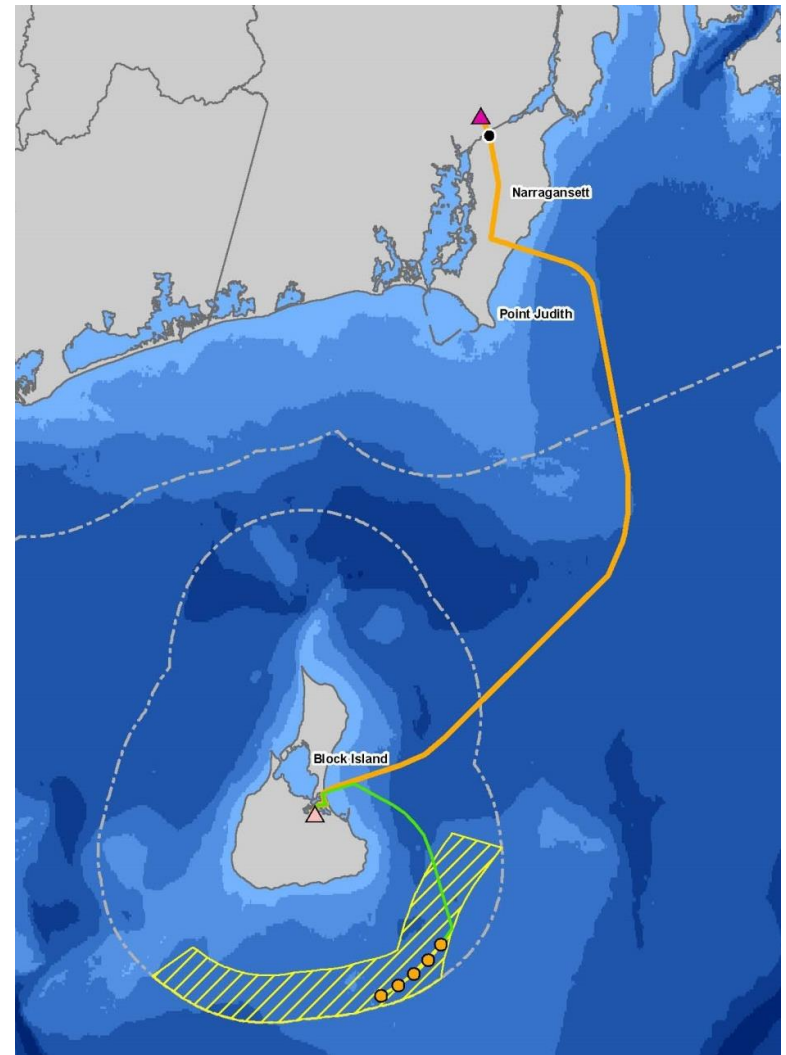
May 28, 2014

Deepwater Wind

- Deepwater Wind is America's leading offshore wind and transmission developer, actively developing projects off both the East and West Coasts.
- The Company is led by a veteran management team with extensive experience in developing renewable-energy projects throughout the United States.
- The Company is actively planning offshore wind projects to serve multiple markets, including Rhode Island, Massachusetts, New York, New Jersey and Oregon.
- The Company's Block Island Wind Farm is on target to become the nation's first offshore wind farm.
- Visit www.dwwind.com for more info, or follow us on Twitter @DeepwaterWind.

Block Island Wind Farm

- On schedule for commercial operation in 2016
- Size: 30 megawatts – enough power for 17,000 homes
- Revenue: 20-year PPA with National Grid approved
- Turbines: Latest 6 megawatt offshore turbine
- Cable: 18 miles from Block Island to mainland
- Permits: All local and state permits approved, federal permits expected by June 2014

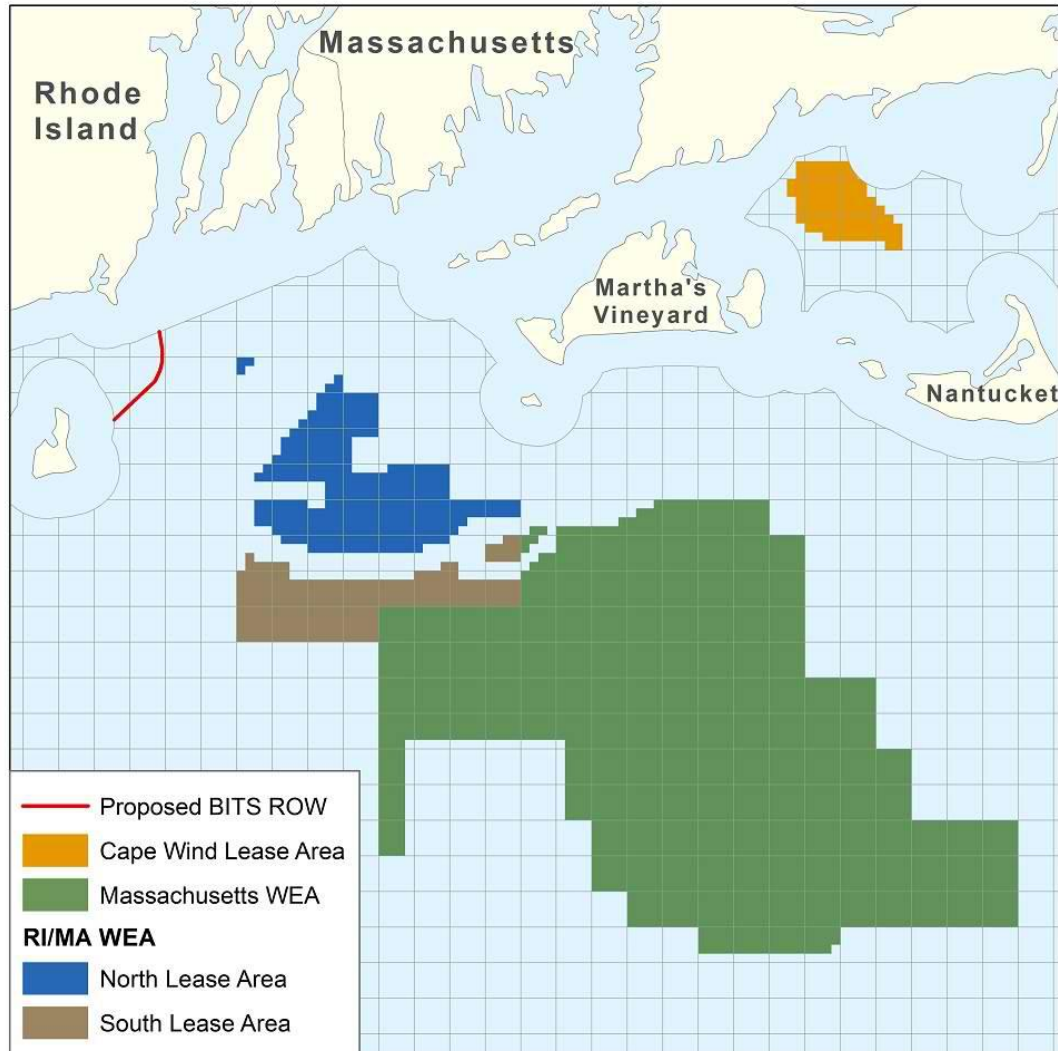


Deepwater ONE

A Regional Energy Center to Serve Multiple Markets in the Northeast



Regional Offshore Update



Permitting

- Bureau of Ocean Energy Management (BOEM)
- US Army Corps of Engineers
- US Coast Guard
- National Marine Fisheries Service
- US Fish and Wildlife Service
- US Environmental Protection Agency
- Federal Aviation Administration
- State environmental and coastal agencies
- Municipalities where cables come ashore
- Many stakeholders including: eNGOS, Tribes, citizens

Key Siting Issues

- Marine mammals
- Fishing
- Cultural resources
- Avian and bat
- Visual
- Other ocean uses (DOD, etc)



Environmental Studies



Field Surveys:

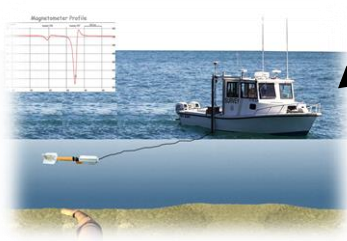
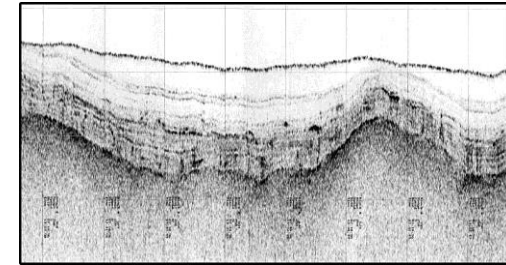
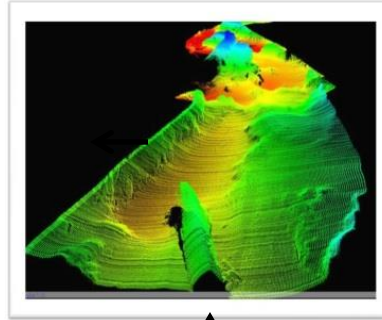
- Archeological (Marine and Terrestrial)
- Visual Impact Assessment (including historic properties)
- Wetland Delineation
- Sensitive Habitat Surveys
- Avian and Bat Surveys
- Benthic ROV Surveys
- Trawl and Lobster Surveys
- Recreational Boating Surveys
- Marine Mammal and Sea Turtle Surveys

Desktop Studies:

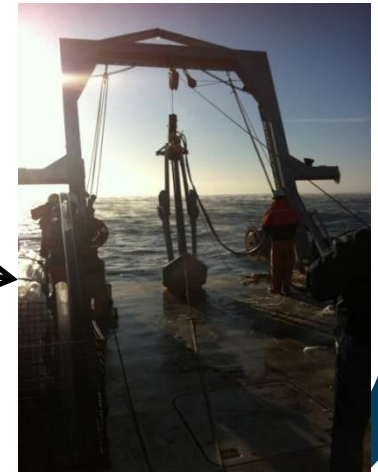
- EMF modeling
- EFH Analysis
- Navigational Risk Assessment
- Air Emissions Analysis
- Underwater and In-Air Acoustic Modeling
- Marine Mammal Risk Assessment
- Sediment Transport Modeling



Geophysical and Geotechnical Surveys



- **Multibeam depth sounder** to determine water depths and general bottom topography.
- **Seafloor imaging (side scan sonar survey)** to identify natural and man-made acoustic targets;
- **Magnetic intensity measurements** for detecting ferrous objects;
- **Subbottom profiler** to map the near surface (chirp) and deeper (boomer) stratigraphy;
- **Vibracores** to collect sediment samples to ground-truth geophysical information and assess technical properties (e.g. thermal resistivity)



Offshore Wind is Good for Massachusetts



- **Economic** - Most cost-effective, large-scale source of new energy for Massachusetts
- **Reliable** - Delivers power during the middle of the day, when downstate needs it most
- **Uses Ports** – New Bedford as a hub of green energy construction
- **Creates Jobs** - hundreds of jobs in MA for this project and more for future projects



DEEPWATERWIND

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