

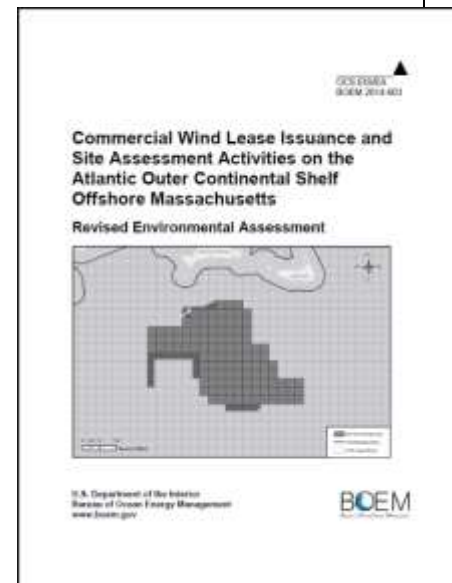
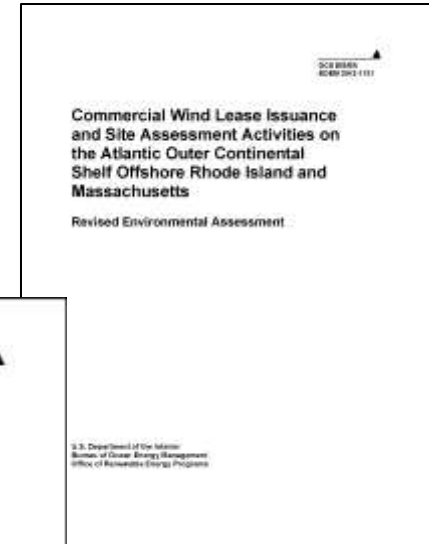
Next Steps for Environmental Review of Wind Energy Development Offshore Massachusetts

Brian Krevor
Environmental Protection Specialist
Bureau of Ocean Energy Management,
Office of Renewable Energy Programs

May 16, 2017

Massachusetts Environmental Assessment (EA)

- * May 2013 – RI/MA Revised EA and FONSI published
- * June, 2014 – MA Revised EA and Finding of No Significant Impact (FONSI) published
- * EA analyzed:
 - * Lease issuance
 - * Site characterization surveys
 - * Site assessment (meteorological towers and buoys)
- * EA did not analyze wind energy facilities



Consultations

- * Coastal Zone Management Act
- * Magnuson-Stevens Fishery Conservation and Management Act (Essential Fish Habitat)
- * Endangered Species Act*
- * National Historic Preservation Act (NHPA)*

- * Resulted in lease stipulations

Next Steps: Site Assessment Plans (SAPs)

- * BOEM has received three SAPs
- * Deepwater Wind New England SAP environmental review complete
- * Bay State Wind and Offshore MW SAPs under review to determine if MA EA and consultations adequately consider the proposed activities
- * Unless effects are significantly different, no additional NEPA required
- * NHPA Section 106 consultation required
 - * Consultations are complete for Deepwater Wind New England
 - * Finding document per Programmatic Agreement – 30-day consulting party review



Survey Plans

- * Submitted to BOEM for review, include:
 - * Avian
 - * Archeological
 - * Benthic
 - * Marine Mammal and Sea Turtles
 - * Fisheries
- * Work with resource agencies and provide comments
- * Hold pre-survey meetings

Next Steps: Construction and Operations Plans (COPs)

- * Submitted after SAP
- * Contains detailed project information
- * Site/project specific environmental review, most likely an Environmental Impact Statement (EIS), and consultations
- * Anticipate receiving two COPs this Winter



Environmental Impact Statement

- * Document developed to comply with NEPA
- * Public comment opportunities
 - * Scoping meetings and comment period
 - * Draft EIS comment period
- * Main factors influencing timing: scale and complexity of the proposed facility and activities; level of public controversy; and number of environmental and socioeconomic issues

Design Envelope

- * Utilized by offshore wind developers in Europe to provide flexibility when not all project details are known
- * NEPA regulations allow for this, new approach for BOEM
- * Progress in our approach to design envelopes
 - * Draft guidance by July 1
- * For NEPA, range of activities will be analyzed
 - * Most impactful end of the range will be analyzed for each resource

Design Envelope Example

- * 80-120 turbines
- * 6-10 MW turbines
- * 520-680 ft. in height
- * 1,200-1,500 m spacing between turbines
- * Monopile or jacket foundations

Questions?

Brian Krevor

Environmental Protection Specialist

Office of Renewable Energy Programs, Environment Branch

Bureau of Ocean Energy Management

45600 Woodland Road, VAM-OREP

Sterling, Virginia 20166

Office (703) 787-1346

Fax (703) 787-1708

brian.krevor@boem.gov