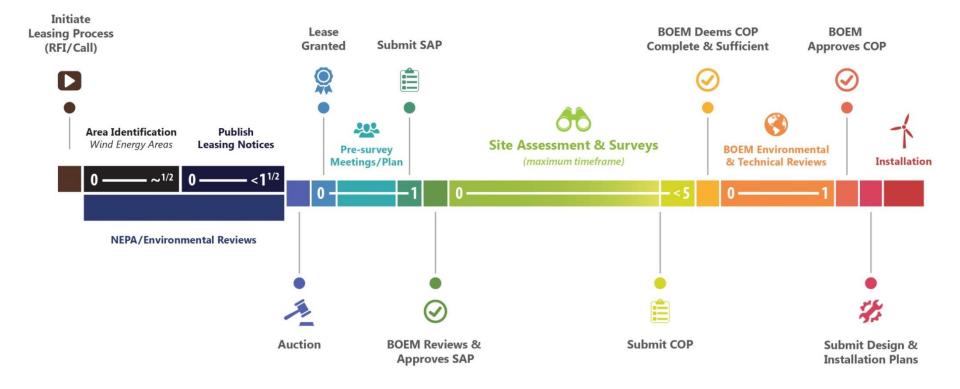
NY Task Force Meeting | October 3, 2017 | Riverhead, NY

Post-Lease Surveys Site Assessment and Environmental Studies

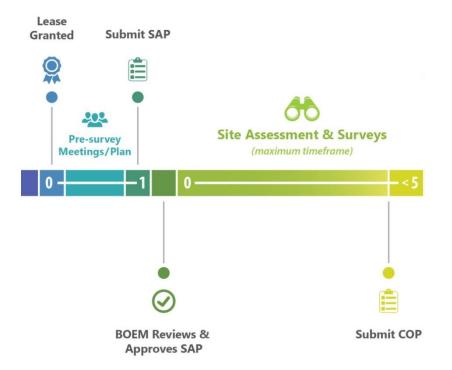
Isis Johnson-Farmer, Environmental Coordinator Brian Hooker, Marine Biologist

BOEM BUREAU OF OCEAN ENERGY MANAGEMENT

Renewable Energy Process: Leasing to Operations



Renewable Energy Process: Leasing to Site Assessment



The lease gives the lessee the exclusive **right to seek** BOEM approval **for the development** of the leasehold.

The lease **does not** grant the lessee the right to **construct facilities.**



The lessee will conduct **site characterization surveys** (e.g., shallow hazards, geological, geotechnical, archaeological, and biological) to support plan submission



Lease Stipulations | Survey Plans

- Survey Plans 30 days prior to pre-survey meeting
 - Details of survey activities
 - Consistent with lease stipulations
- **Pre-Survey Meeting** to discuss the proposed survey plan and timelines; at least 60 days prior to survey activities

• Other permits and authorizations

Within one year of lease issuance, the lessee submits its **Site Assessment Plan (SAP)** with the results of the site characterization surveys to BOEM

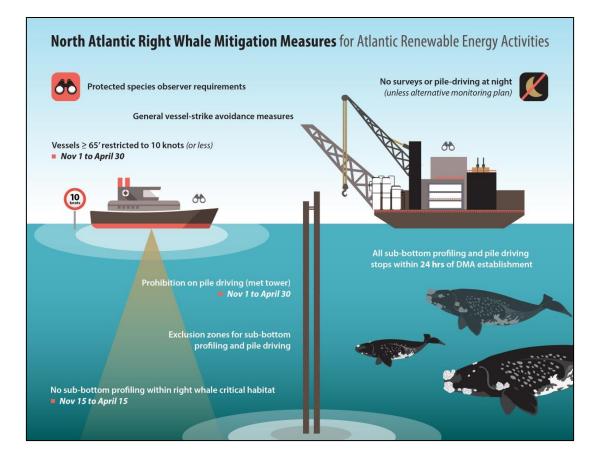
- Contains a detailed proposal for construction of a meteorological tower and/or the installation of meteorological buoys
- BOEM conducts environmental and technical reviews
- Approve, approve with modification(s), or disapprove

Must develop a **Fisheries Communications Plan** describing the strategies the Lessee intends to use for communication with fisheries stakeholders

- Contact information for Fisheries Liaison
- Available to BOEM and the public



Environmental Lease Stipulations | North Atlantic Right Whale



Environmental Lease Stipulations | Other Examples

Other examples include:

- Protected Species Observers
- Lighting requirements
- Reporting requirements
 - Birds and bats
 - G&G survey activities



BOEM has created a number of guidelines to better explain its **regulatory requirements** to the development community:

- Avian Survey Guidelines
- Archaeological and Historic Property Survey Guidelines
- Geophysical, Geotechnical, and Geohazard Survey Guidelines
- Fisheries Survey and Engagement Guidelines
- Benthic Habitat Survey Guidelines
- Marine Mammal and Sea Turtle Survey Guidelines
- Spatial Data Submission Guidelines

BOEM is developing or considering **additional guidelines**:

- Lighting and Marking Guidelines in preparation
- Visual Assessment Guidelines in preparation
- Design Envelope Guidelines in preparation
- Post-Construction Guidelines in discussion



Environmental Studies Updates

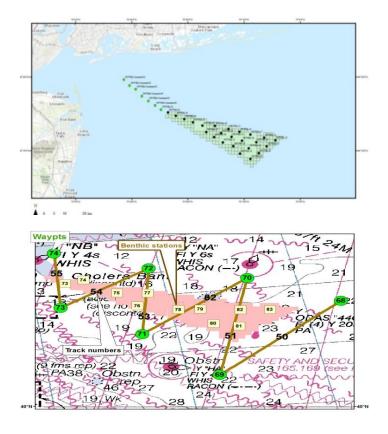


Environmental Studies Program

- Information Sheet
- Poster
- <u>www.boem.gov/New-York-</u>
 <u>Environmental-Studies/</u>
- Southern New England Offshore Wind Science Forum

BOEM Studies | Fish and Fisheries

- Spatial and Temporal Distribution of Lobsters and Crabs Around Cox Ledge
- Benthic Habitat Mapping
- Fish Telemetry
- Electromagnetic Field effects on Lobster, Skates and Crabs
- Behavioral Effects of Construction Noise
 on Black Sea Bass and Longfin Squid



Culminates in the submission of a **Construction and Operations Plan:**

- Incorporates information from survey work, reports, site assessment data, BOEM studies
- At least 6 months prior to the end of the site assessment term

Questions?

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