


SAFMC Habitat Committee Meeting | December 4, 2018 | Kitty Hawk, NC



BOEM Renewable Energy Leasing and Environmental Studies Update

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Office of Renewable Energy Programs

Leasing

- 12 active commercial wind energy leases in the Atlantic
- Upcoming lease sales in MA and NY

Site Assessment Plans (SAP)

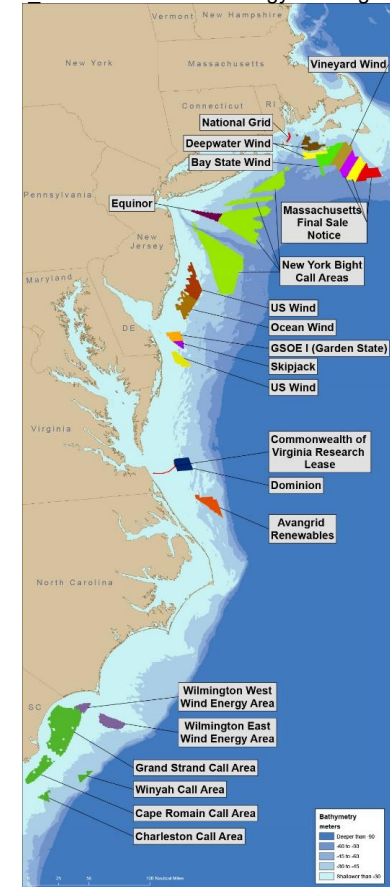
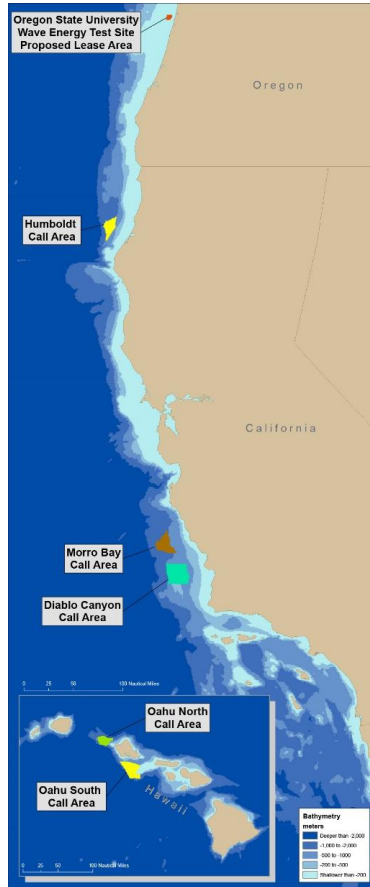
- **7 approved** (MA, RI, VA, MD, MA, NJ, NY)

Construction and Operations Plans (COP)

- **2 processing** (Vineyard Wind & Deepwater Wind South Fork)

Call for Information and Nominations offshore California issued on October 19, 2018

Planning activities continue off Hawaii, California, Carolina and the New York Bight

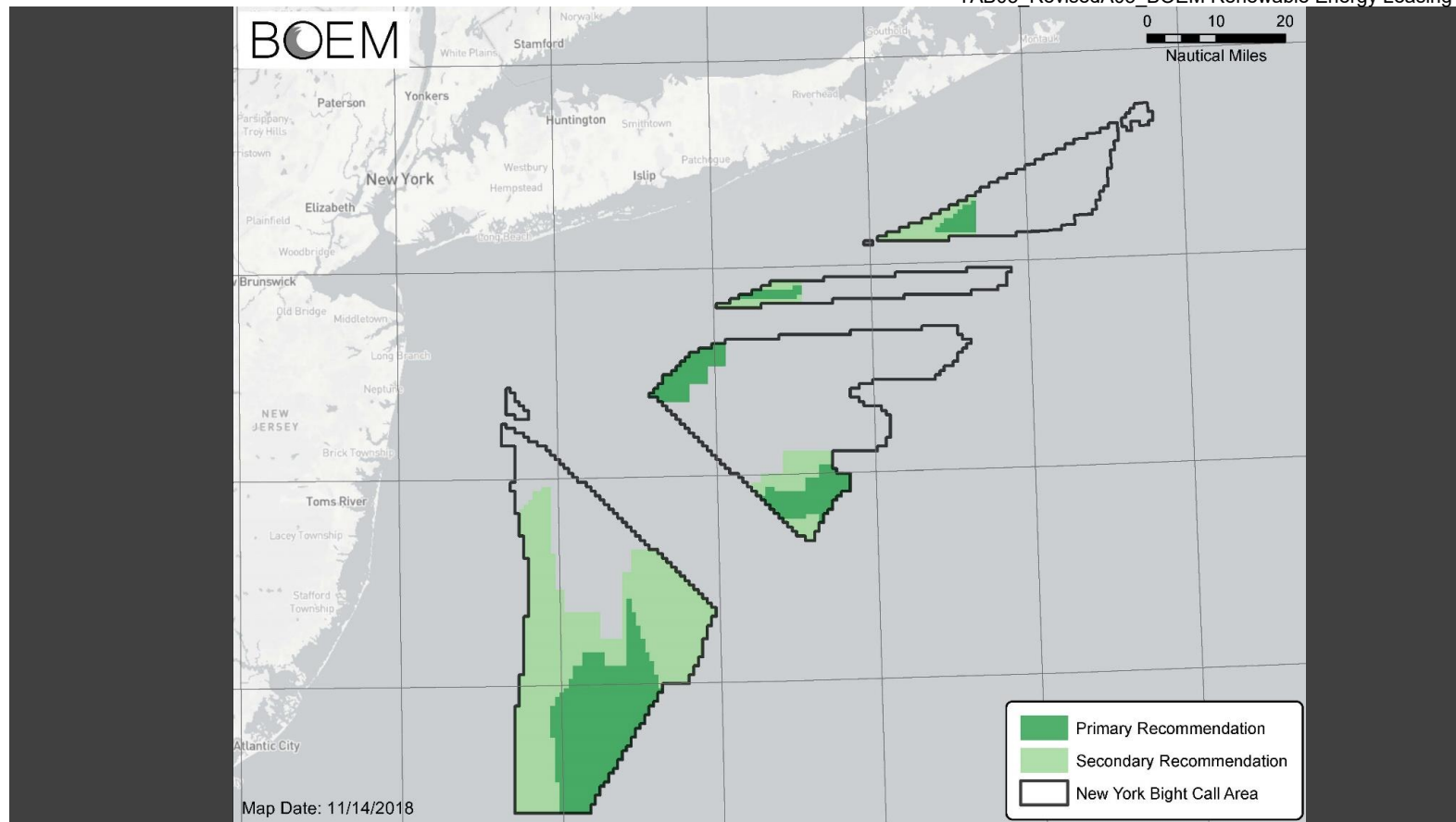


Project Status Updates

- Vineyard Wind: Construction and Operations Plan submitted. DEIS expected in early December 2018.
- South Fork Wind Farm: Surveys ongoing, SAP (buoy) approved, COP submitted, EIS scoping meetings were held November 5-8.
- Bay State Wind: Surveys ongoing, SAP (2 buoys) approved, COP anticipated late spring of 2019.

Project Status Update

- Massachusetts unleased areas (west of Nantucket Shoals) final sale notice published October 18, auction on December 13th for three lease areas.
- Empire Wind (Statoil) . Surveys ongoing. SAP submitted June 2018 (under final review).
- New York Bight Round 2 Leasing. NY Bight Task Force meeting held November 28 to discuss draft WEA.



Project Status Update

- Ocean Wind NJ. Surveys ongoing. SAP approved May 2018, COP anticipated April 2019.
- Skipjack Wind Farm SAP under review, COP anticipated summer 2019.
- US Wind MD, SAP approved in March 2018.
- Coastal Virginia Offshore Wind Project (demonstration scale). Revised RAP under review. Construction anticipated in 2020.
- Commercial Lease OCS-A 0508 (aka Kitty Hawk) was executed to Avangrid Renewables on Oct. 10, 2017, with an effective date of Nov. 1, 2017. Preliminary term extended for 1 year (2019).

BOEM Studies | Overview

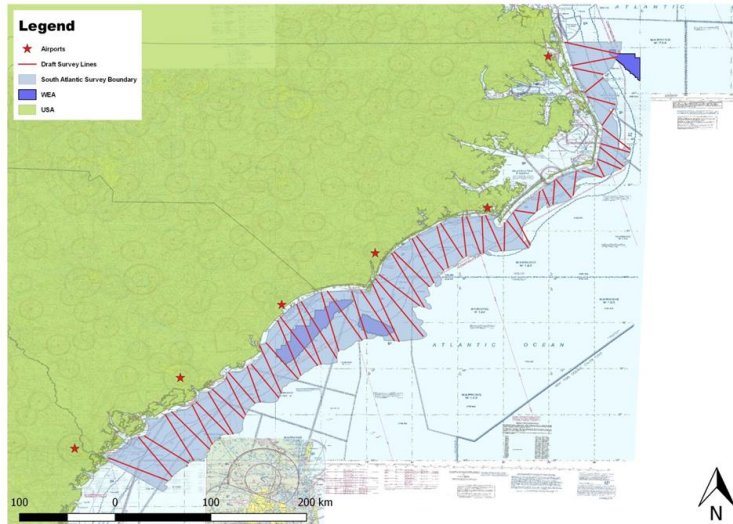
BOEM's Environmental Studies Program is informed largely by public comments and statutory consultations (e.g., NHPA, ESA, MSA/EFH) which fall into the following categories:

- Marine Mammals and other Protected Species
- Birds and Bats
- Social Science
- Fish and Fisheries
- Physical Environment
- Environmental Monitoring
- Cultural and Archaeological Resources

BOEM Studies | BOEM Science Workshop

- January 23-24, 2019 at the Atlantic Ocean Energy and Mineral Science Forum in Sterling, VA.
 - Updates about ongoing and recently completed studies funded by BOEM in the Atlantic region in support of the Renewable Energy, Marine Minerals, and Conventional Energy Programs. .
 - <https://www.boem.gov/Public-Engagement-Opportunities/>

BOEM Studies | Environmental Monitoring



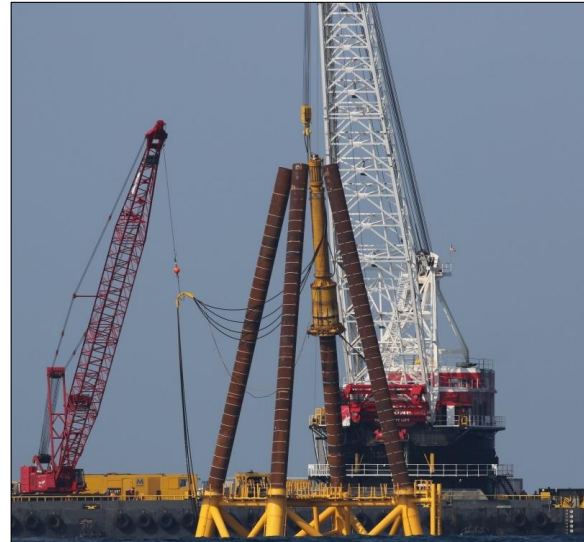
- South Atlantic High Resolution Aerial Wildlife Surveys
 - Three surveys flown (Feb, June, Sep)
 - 526 large bony fish
 - 278 sharks
 - 55 fish shoals
 - February data on portal
 - Data available: https://remote.normandeau.com/boem_overview.php
 - Final Report 2020

BOEM Studies | Fish and Fisheries

- BOEM has invested in several studies to look specifically at questions raised by commercial and recreational fishermen.
 - Fisheries Impacts from Electromagnetic Fields
 - Environmental Baseline Studies
 - Impacts of Structures on Fish/Larval Transport
 - Impact of Offshore Wind Development to Commercial and Recreational Fishermen (including BMPs)
 - National Academies Fisheries Steering Committee Report

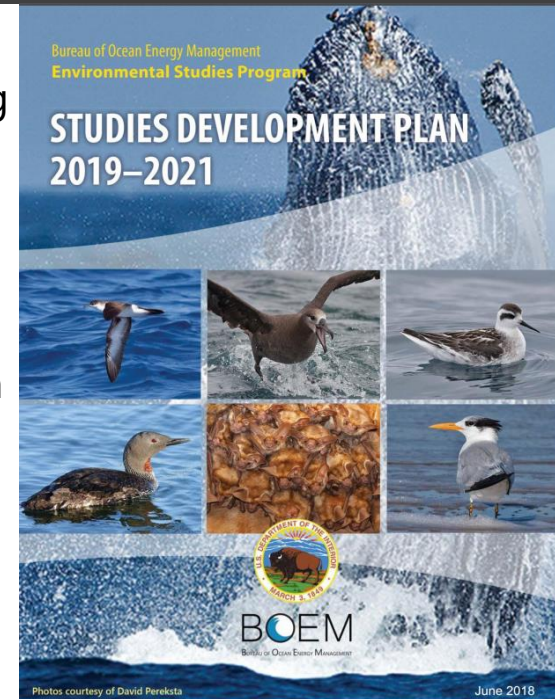
BOEM Studies | RODEO

- Real-time Opportunity for Development Environmental Observations
 - Pile driving acoustic monitoring (particle motion) – info with more to come.
 - Sediment suspension from cable laying-complete!
 - Benthic monitoring of foundations – Complete (3 yrs)
 - Science Forum just concluded in RI discussing the results of BOEM and developer studies.



Studies Summary

- Stay informed on study updates by subscribing to BOEM Notes to Stakeholders
- BOEM solicits study ideas from public every fall/winter.
- 2019-2021 Study Development Plan posted on www.boem.gov
- 2019 National Studies List posted.
- Check out the revamped studies webpage!



Questions?

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www.boem.gov/Renewable-Energy-Environmental-Studies

Fishing Industry Webpage: <https://www.boem.gov/Atlantic-Fishing-Industry-Communication-and-Engagement/>