



7. HABITAT (Jan. 28 - 30, 2020)

#1a

Atlantic Renewable Energy Program Update

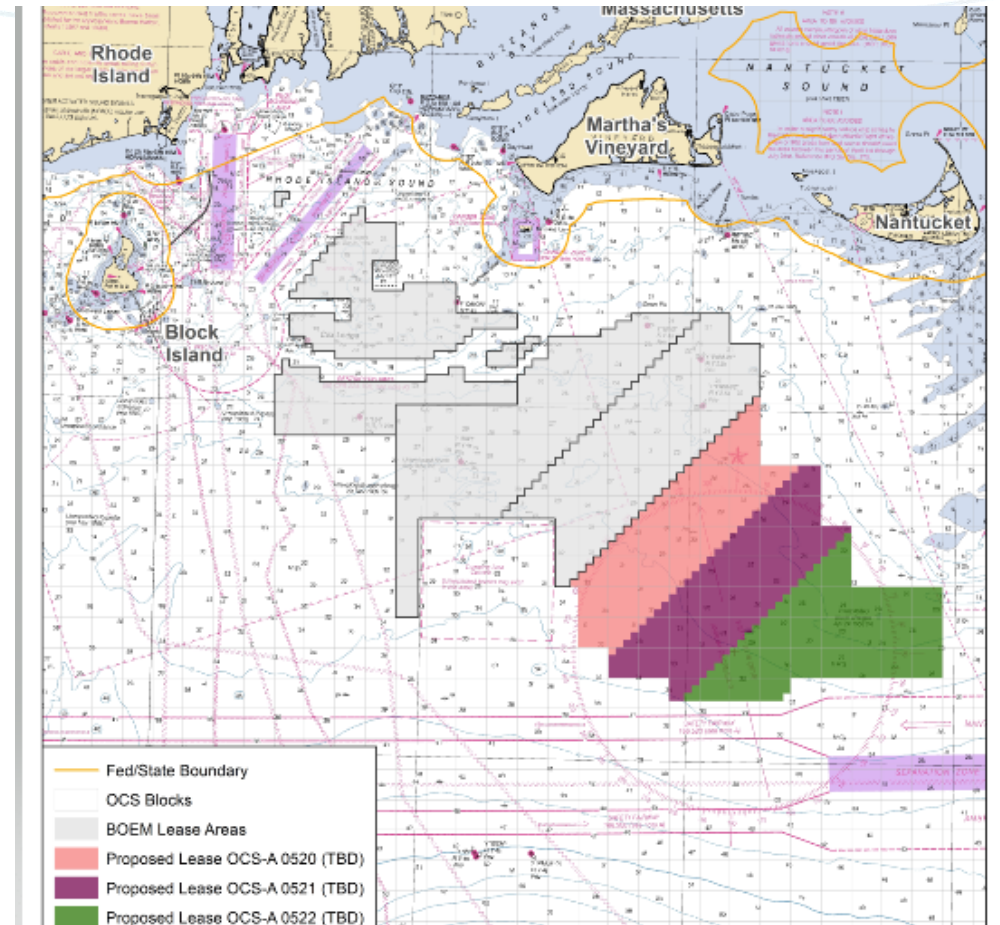
New England Fishery Management Council
January 28, 2019

BOEM Office of Renewable Energy Programs



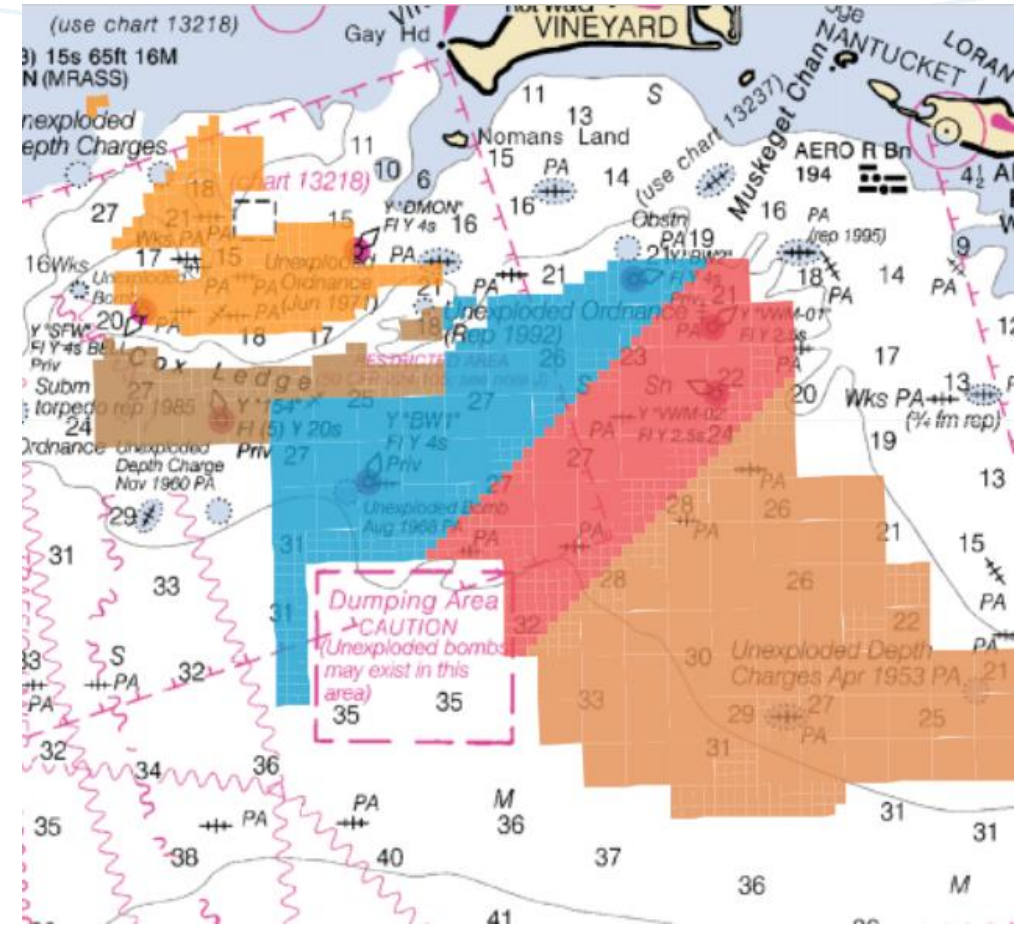
Project Status Updates 1

- Vineyard Liberty: Lease OCS-A 0522 executed in March 2019, surveys are ongoing, COP expected in 2020.
- Mayflower (Shell/EDPR): Lease OCS-A 0521 executed in March 2019. Surveys ongoing. SAP received in fall 2019, review continuing.
- Equinor: Lease OCS-A 0520 executed in March 2019.



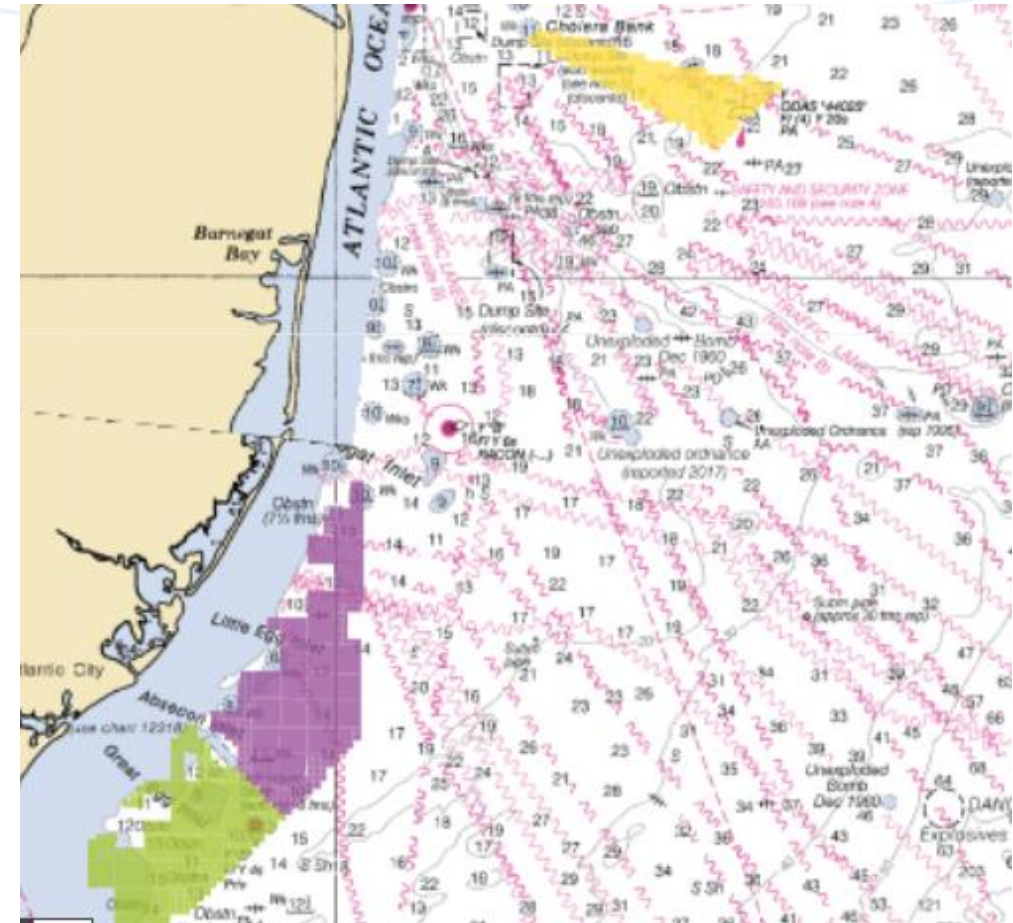
Project Status Updates 2

- Vineyard Wind North: Supplemental EIS under development. Comment period this spring.
- Vineyard Wind South: Surveys ongoing. COP anticipated in 2020.
- Bay State Wind: Surveys ongoing, COP submitted in March 2019, COP review continuing.
- Sunrise Wind Farm: Surveys ongoing. COP anticipated in 2020.
- South Fork Wind Farm: COP submitted, scoping meetings held, DEIS under development.
- Revolution Wind Farm: Surveys ongoing.



Project Status Updates 3

- **Empire Wind (Equinor):** SAP approved November 2018, surveys ongoing, COP anticipated in 2020.
- **Atlantic Shores (EDF/Shell):** SAP received in December 2019, SAP review ongoing.
- **Ocean Wind NJ (Orsted):** SAP approved May 2018, COP received August 2019, review ongoing.
- **Anbaric NY/NJ Ocean Grid (transmission):** Published Request for Competitive Interest, comments under review.



Project Status Updates 4

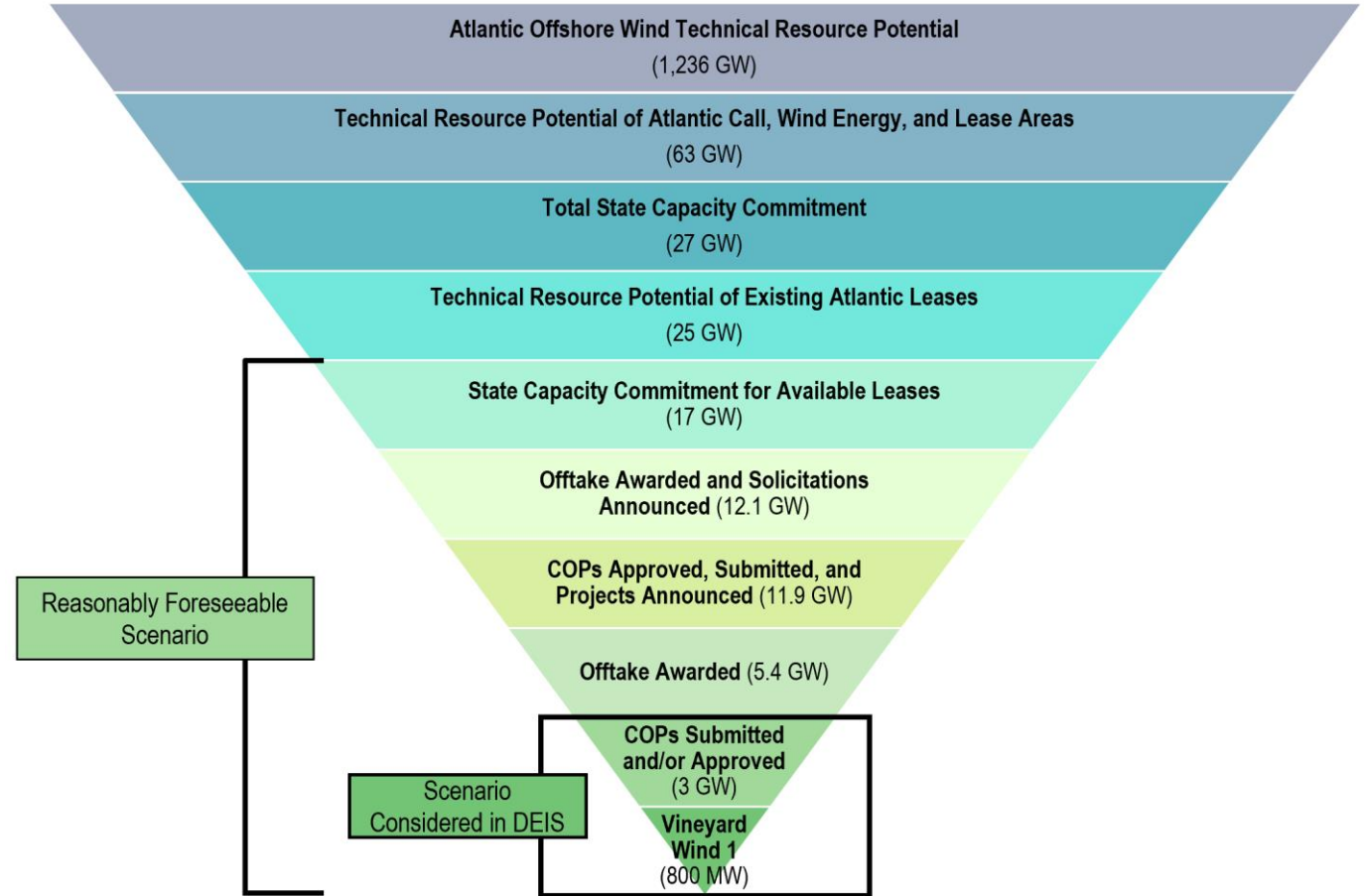
- **Skipjack Wind Farm (Orsted):** COP submitted in April 2019, COP review is ongoing, surveys ongoing.
- **US Wind MD/Marwind (Toto/Renexia):** SAP approved.
- **Coastal Virginia Offshore Wind Project (demonstration scale with VA DMME/Orsted/Dominion):** Revised RAP approved, onshore construction has begun, offshore construction spring/summer 2020.
- **Virginia (Dominion):** SAP approved.
- **Commercial Lease OCS-A 0508 (aka Kitty Hawk):** SAP submitted in September 2019, final review ongoing. Surveys ongoing.

Cumulative Scenario for Future Offshore Wind



Scope for the SEIS Cumulative Analysis

- Approximately 17 GW
- An estimated 1,662 foundations (1,625 turbines)
- All Atlantic leases considered for their potential for development based on state goals and announced projects
- Leased areas with no associated project will be assumed to be built out to the extent necessary for nearby states to meet their scheduled and anticipated offshore wind commitments
- To the extent possible, a construction timeline across projects for analysis of concurrent and/or consecutive construction activity across the Atlantic



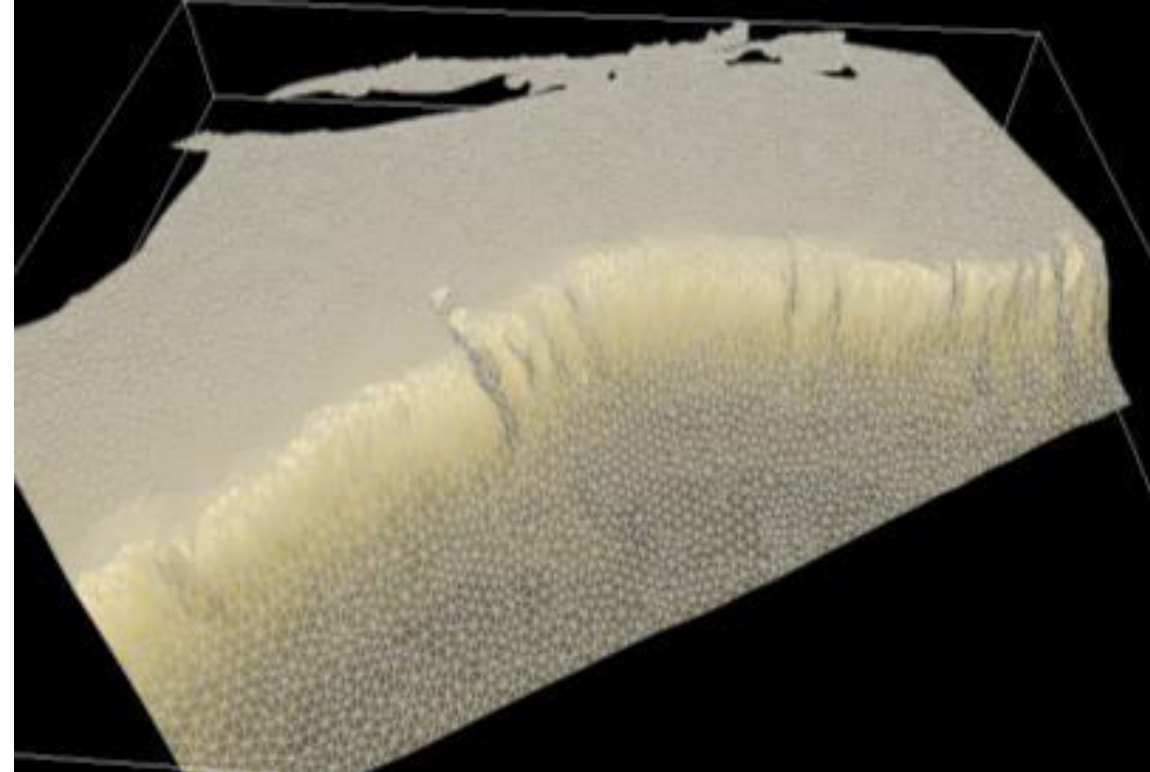
Environmental Studies Program

- BOEM just concluded solicitation for 2021 study ideas.
- Study ideas are reviewed by the Standing Committee on Offshore Science and Assessment (COSA) convened under the National Academy of Sciences.
- Results of studies are incorporated into BOEM environmental assessment and decision-making process.



Hydrodynamic Modelling

- **Project was awarded to DHI and CSA, tasks include:**
 - Desktop Review
 - Hydrodynamic model development
 - Particle tracking/agent-based model development
 - Model scenarios
 - 3 particles
 - 4 OWF scenarios
 - Final Report Spring 2021



Southern New England Fisheries Pilot Studies

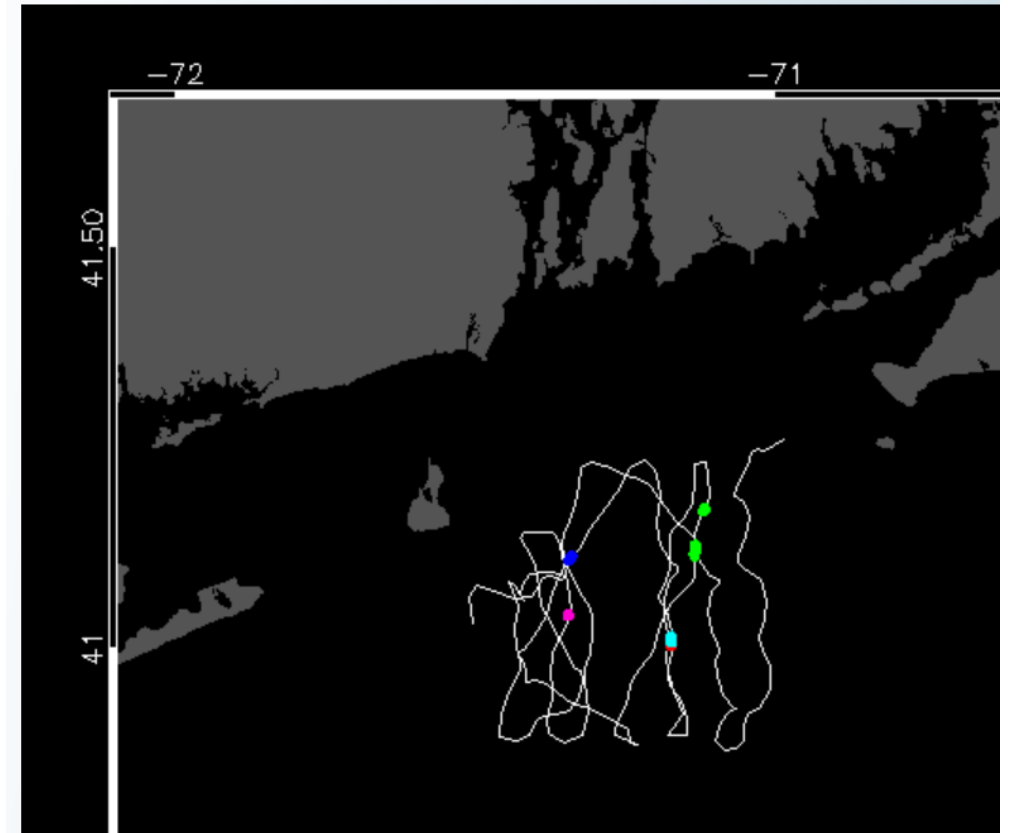
- **\$1 million joint collaboration between RI, MA, and BOEM.**
- **Solicitation resulted in 19 proposals.**
- **Proposal reviews occurred on December 10, 2019.**
- **Steering committee discussion ongoing**
- **Final selection anticipated soon.**



Cox Ledge Fisheries Study

- Began in October 2019 for 3 years.
- The glider will listening to fish spawning sounds and has acoustic telemetry receiver
- Will identify the location and seasonal occurrence of commercial and protect species
- Environmental parameters will be measured
- ~25 bottom mounted acoustic telemetry receivers will be deployed.

VEMCO tag detections:





Bureau of Ocean Energy
Management

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