Atlantic Coast Renewable Energy Status Update

Darryl François
Chief, Engineering and Technical Review, Office of Renewable Energy Programs

BOEM’s Offshore Wind and Maritime Industry Knowledge Exchange
BOEM Leasing Process | Timeline

1. Initiate Leasing Process (RFI/Call)
2. Area Identification (Wind Energy Areas)
3. Publish Leasing Notices
4. Lease Granted
5. Submit SAP
6. Site Assessment & Surveys (maximum timeframe)
7. BOEM Deems COP Complete & Sufficient
8. BOEM Approves COP
9. NEPA/Environmental Reviews
10. Auction
11. BOEM Reviews & Approves SAP
12. Submit COP
13. Submit Design & Installation Plans

Installation
• Construction and Operations Plan (COP) Includes
  - Project Description (i.e. size, layout, technical details) sufficient to conduct NEPA analysis
  - Navigation Safety Risk Assessment
  - Nomination of Certified Verification Agent
  - Preliminary safety management systems, oil spill response measures, decommissioning process

• Once approved developer can proceed to final engineering designs and plans for installation
• Lease areas may support more than one project
  - **2017 Study**: “Phased Approaches to Offshore Wind Developments and the Use of the Project Design Envelope”
• Draft Lighting and Marking Guidelines - Spring 2018
  ▪ Based on interagency review
  ▪ Stakeholder outreach before finalization

• Will address both vessel and aircraft navigation.
BOEM Activities | Atlantic OCS

**Leasing**
- Since 2009, BOEM has issued 13 commercial wind energy leases in the Atlantic
- Upcoming Lease Sales in MA & NY

**Site Assessment Plans (SAP)**
- 3 approved (MA, RI, VA)
- 3 processing (MD, MA, NJ)

**Construction and Operations Plans (COP)**
- 1 approved (Cape Wind)
- 1 processing (Vineyard Wind)
<table>
<thead>
<tr>
<th>Year</th>
<th>Project</th>
<th>Company</th>
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<tbody>
<tr>
<td>2020</td>
<td>Coastal Virginia Offshore Wind (CVOW)</td>
<td>DMME, Orsted</td>
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<tr>
<td>2021</td>
<td>Vineyard Wind</td>
<td>Vineyard Wind</td>
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<tr>
<td>2022</td>
<td>South Fork</td>
<td>Deepwater Wind</td>
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<tr>
<td>2022</td>
<td>Ocean Wind</td>
<td>Orsted</td>
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<tr>
<td>2022</td>
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<tr>
<td>2022</td>
<td>U.S. Wind (MD)</td>
<td>US Wind</td>
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<tr>
<td>2023</td>
<td>Revolution Wind</td>
<td>Deepwater Wind</td>
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<td>2023</td>
<td>Skipjack Windfarm</td>
<td>Statoil</td>
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<td>2025</td>
<td>Dominion Commercial Lease</td>
<td>Dominion Energy</td>
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<td>U.S. Wind (NJ)</td>
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<td>2027</td>
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<td>Statoil, Avangrid</td>
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<tr>
<td>2027</td>
<td>Kitty Hawk</td>
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* Projections based on current estimates and/or standard timeline
• New York Master Plan calls for 2.4 GW by 2030.

• BOEM is evaluating four areas for possible lease.

• Balancing navigational concerns with New York’s goals.
Resources | GIS Tools - Marine Cadastre

2013 Cargo and Tanker Traffic

2013 Tug and Towing Traffic
Resources | GIS Tools- Northeast and Mid Atlantic Ocean Data Portals

[Map Image of the Northeast and Mid Atlantic Ocean with various locations marked]
Questions?

Darryl François
Darryl.Francois@boem.gov