6:05 Maine’s Approach to Offshore Wind
  • Why Maine is pursuing a research array
  • Basic components of the research array, where we are in the application process & where we need input
  • Opportunities to be involved

6:35 Comments, questions, and answers

7:20 Next steps

7:30 Adjourn
**Zoom reminders:**

- Everyone, please MUTE yourself, except when speaking. If you are on the phone, press *6 to mute/unmute.
- Raise your hand, use the blue "Raise Hand" function in the participants tab. If you are on the phone, press *9. Or just raise your hand on the screen.
- Use "Chat" function to ask questions as well.

**Navigating our discussion:**

- Both questions and comments welcome
- Share the floor: Please be mindful of your time to allow others to speak
- Be direct and respectful: Express your views and let others do the same
- This is only the start of a conversation for the months to come
Maine’s Changing Energy Systems

CLIMATE COUNCIL MITIGATION GOALS

- 45% below 1990 gross annual greenhouse gas emissions by 2030
- 80% below 1990 gross annual greenhouse gas emissions by 2050
- Use the latest scientific and technological information
- Analyze technical feasibility and cost-effectiveness of potential solutions

Emphasize clean energy economy and opportunities for good job creation, consider impacts on Maine’s people and communities

CARBON NEUTRAL BY 2045

MAINE GREENHOUSE GAS (GHG) EMISSIONS BY SECTOR

- Electric Power: 7%
- Residential: 19%
- Commercial: 11%
- Transportation: 54%
- Industrial: 9%

Source: Maine CRP 2020
Growth of Offshore Wind in the U.S.

<table>
<thead>
<tr>
<th>State</th>
<th>State target (MW)</th>
<th>MW selected (offtake)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Massachusetts</td>
<td>3,200</td>
<td>1,600</td>
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<tr>
<td>Rhode Island</td>
<td>430</td>
<td>430</td>
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<tr>
<td>Connecticut</td>
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<td>New York</td>
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<tr>
<td>Maryland</td>
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<td>368</td>
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<tr>
<td>Virginia</td>
<td>5,200</td>
<td>2,652</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>28,530</strong></td>
<td><strong>9,076</strong></td>
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</tbody>
</table>
Maine’s Approach to Offshore Wind

- Measured and deliberative
- Answering questions and exploring opportunities
- Regional coordination and partnerships
- Commitment to listen and engage with stakeholders
What we want to know before commercial-scale development:

• How can OSW co-exist with the fishing industry?
• What are potential impacts on the marine environment?
• What are the challenges and opportunities of the floating technology?
Maine’s Approach to Offshore Wind

Job and Economic Development Opportunity
Maine’s Approach to Offshore Wind

Working Together to Inform Siting and Research
State of Maine

- Governor’s Energy Office (lead)
- Department of Marine Resources
- Governor’s Office of Policy Innovation and the Future
- Department of Inland Fish and Wildlife
- Department of Environmental Protection
- Department of Economic and Community Development

New England Aqua Ventus

- Diamond Offshore Wind/RWE Renewables

University of Maine

- Technology

Federal Agency and MA/NH State Agency Coordination
Research Array
By the Numbers

12 floating turbines or fewer
16 square miles or smaller
Where will research array be located?
Preliminary Project Timeline

November 2020 – winter/spring 2021

*Engagement and Outreach* with fishing industry and other interested parties on siting and potential research questions.

2021

*Application Submitted and Processed*
- Maine submits research lease application
- BOEM issues request for information
- BOEM reviews application

Years 1 – 2

*Research Lease Issued*

Years 1 – 4

*Research Consortium Developed* in partnership with state and federal agencies, fishing industry, universities, research institutions, and others to define research agenda and secure project funding.

Year 5+

*Construction and Installation*

2025+

*Research Projects Underway*

* Dates approximate

Visit [https://www.maine.gov/energy/](https://www.maine.gov/energy/) for more information.
Research Framework

- Environment and ecological interactions
- Interactions with fishing activity
- Navigation
- Technology research and demonstration, including mooring systems
- Workforce education and training
- Others?
20-40 miles offshore
150 feet of water or deeper
**Southern** half of ME interconnect
**Bottom** type gravel and/or mud
**Minimal conflicts** with known fishing grounds
**Avoid** highly trafficked areas
**Limit** visibility from shore
How to Get Involved

We need to know:

• How best to work with you on this project?
• What additional siting criteria should we consider?
• What research areas are important to you?

What we can do:

• Small group/one-on-one meetings
• Scoping meetings in January
• Use online tools (available next week) to offer insight on:
  • Initial siting criteria
  • Initial research categories
  • Interactive mapping tool
  • Feedback form
• Fishing industry survey in early 2021
Proposed Siting Timeline

- December Webinars
- January Scoping Workshop
- Small group and one-on-one discussions
- Coordination with other states and federal agencies
- Application Submitted in Late Winter/Early Spring
Discussion and Q&A

Contact:

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Additional references:

www.mainefishermensforum.org/wind-seminar-informational-links