



Floating Offshore Wind Research Array Fishing Industry Webinar December 15, 2020, 6-7:30 PM



Webinar will begin in a few moments

Meeting Agenda

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

Meeting Reminders

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.

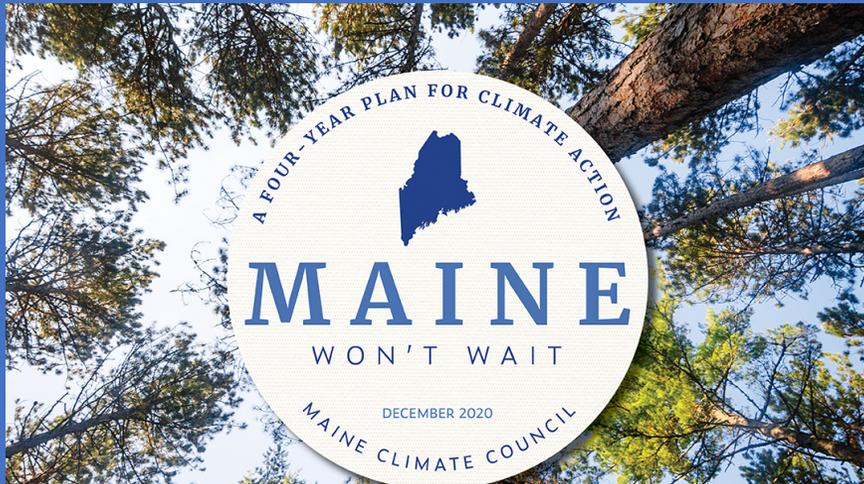
Navigating our discussion:

- 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

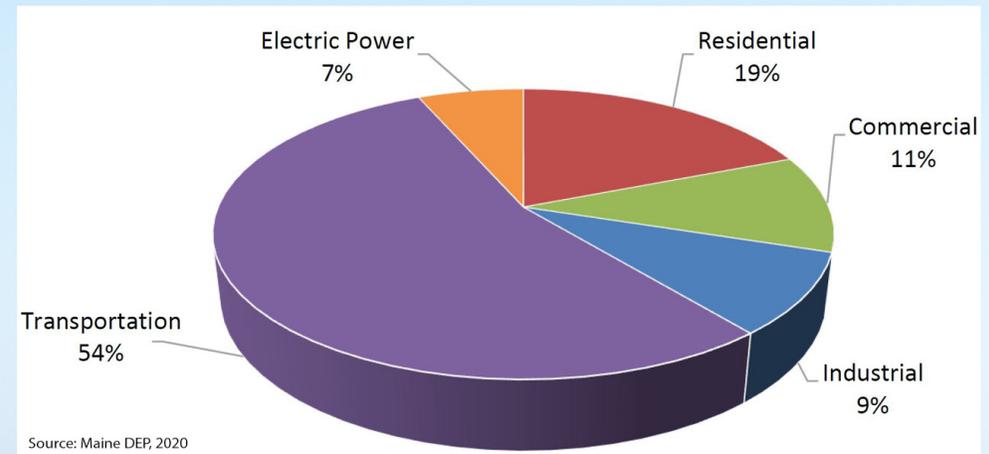
Maine's Changing Energy Systems

CLIMATE COUNCIL MITIGATION GOALS

<p>45% below 1990 gross annual greenhouse gas emissions by 2030</p>	<p>80% below 1990 gross annual greenhouse gas emissions by 2050</p>	<p>Use the latest scientific and technological information</p> 	<p>Analyze technical feasibility and cost-effectiveness of potential solutions</p> 
<p>Emphasize clean energy economy and opportunities for good job creation, consider impacts on Maine's people and communities</p>			<p>CARBON NEUTRAL BY 2045</p>

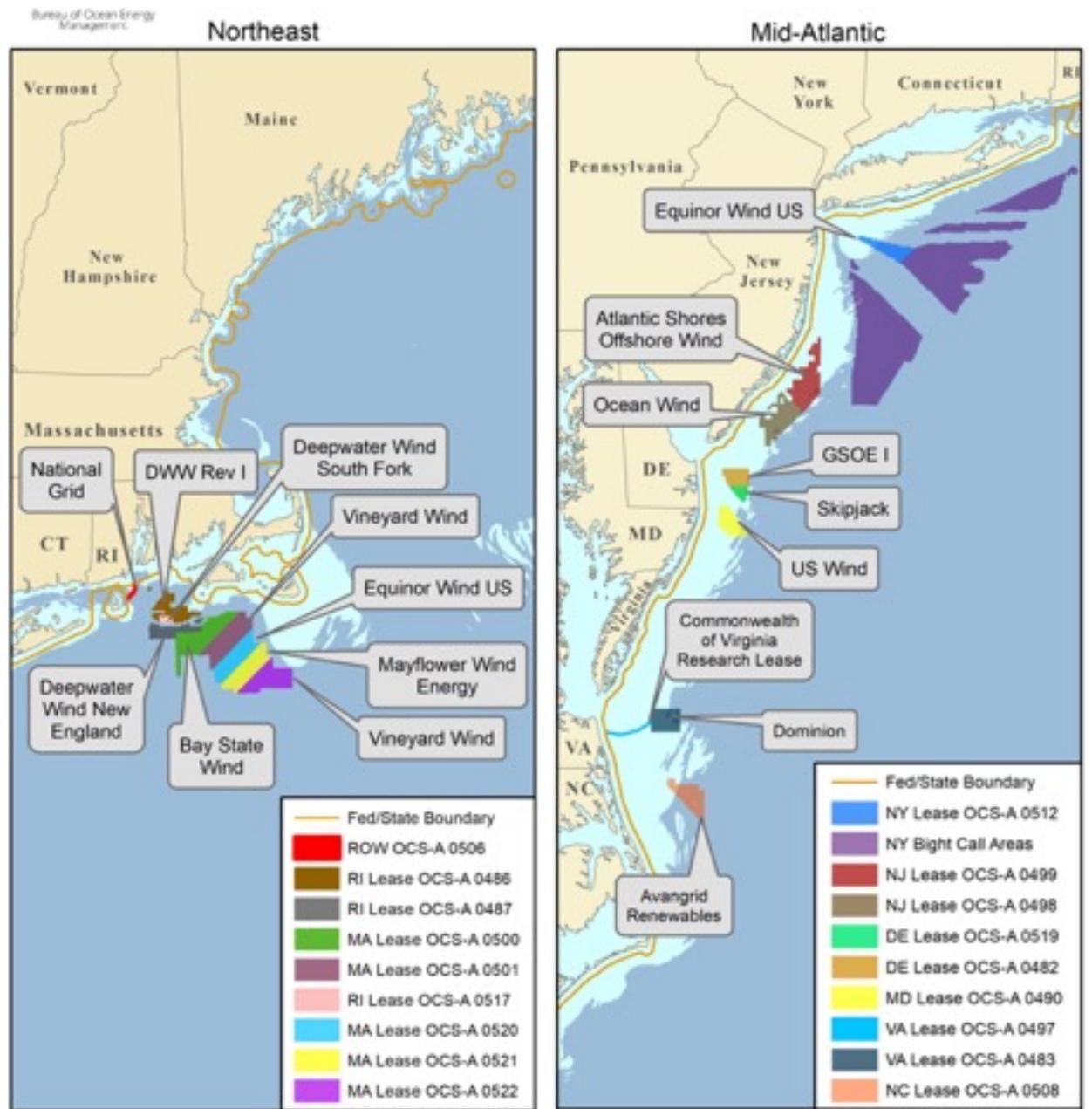


MAINE GREENHOUSE GAS (GHG) EMISSIONS BY SECTOR



Growth of Offshore Wind in the U.S.

	State target (MW)	MW selected (offtake)
Massachusetts	3,200	1,600
Rhode Island	430	430
Connecticut	2,000	1,100
New York	9,000	1,826*
New Jersey	7,500	1,100*
Maryland	1,200	368
Virginia	5,200	2,652
Total	28,530	9,076



Bathymetry

- Up to 30 meters
- More than 30 meters



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



**Maine's Approach
to Offshore Wind**

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

Who is Involved?

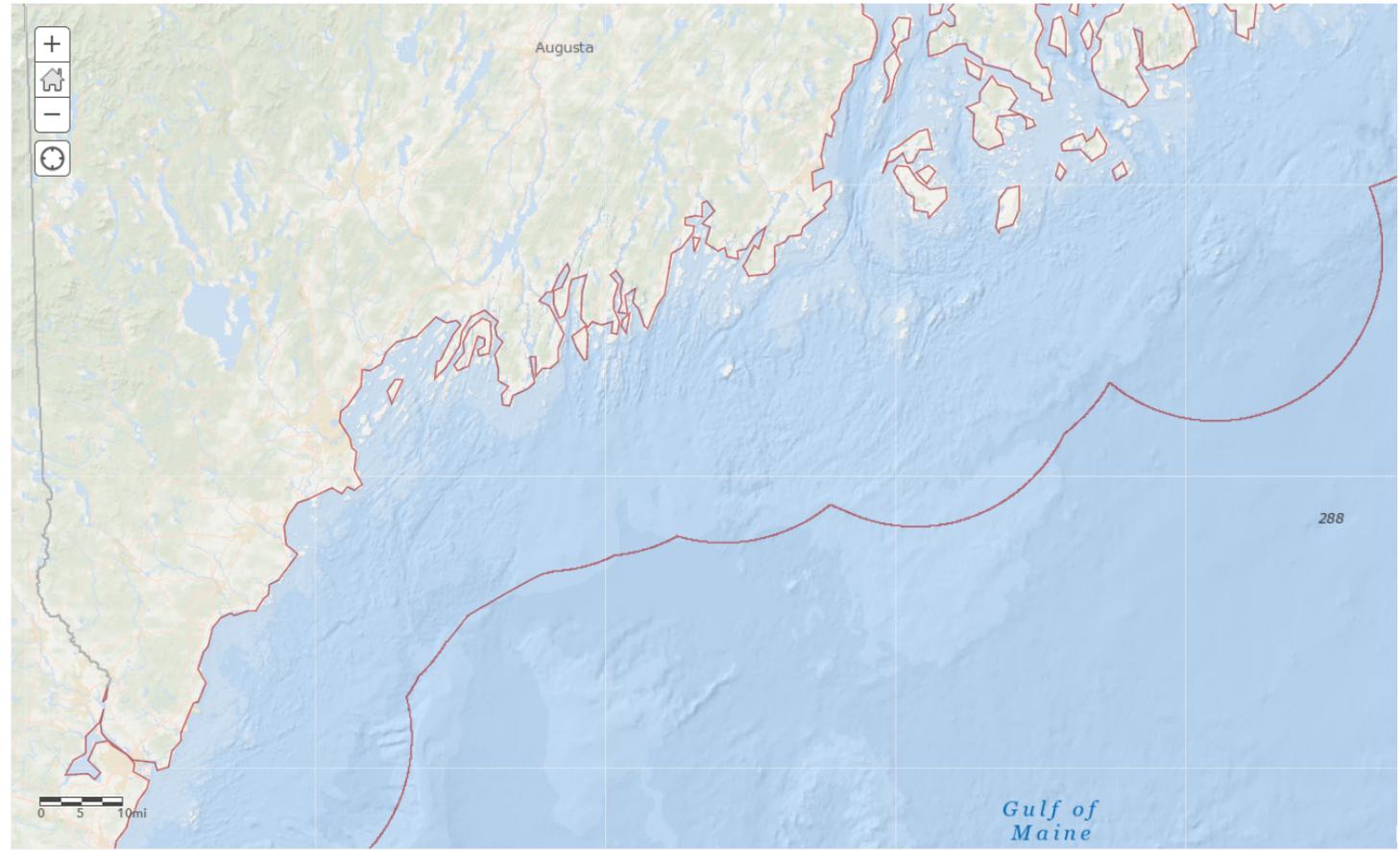
Research Array By the Numbers



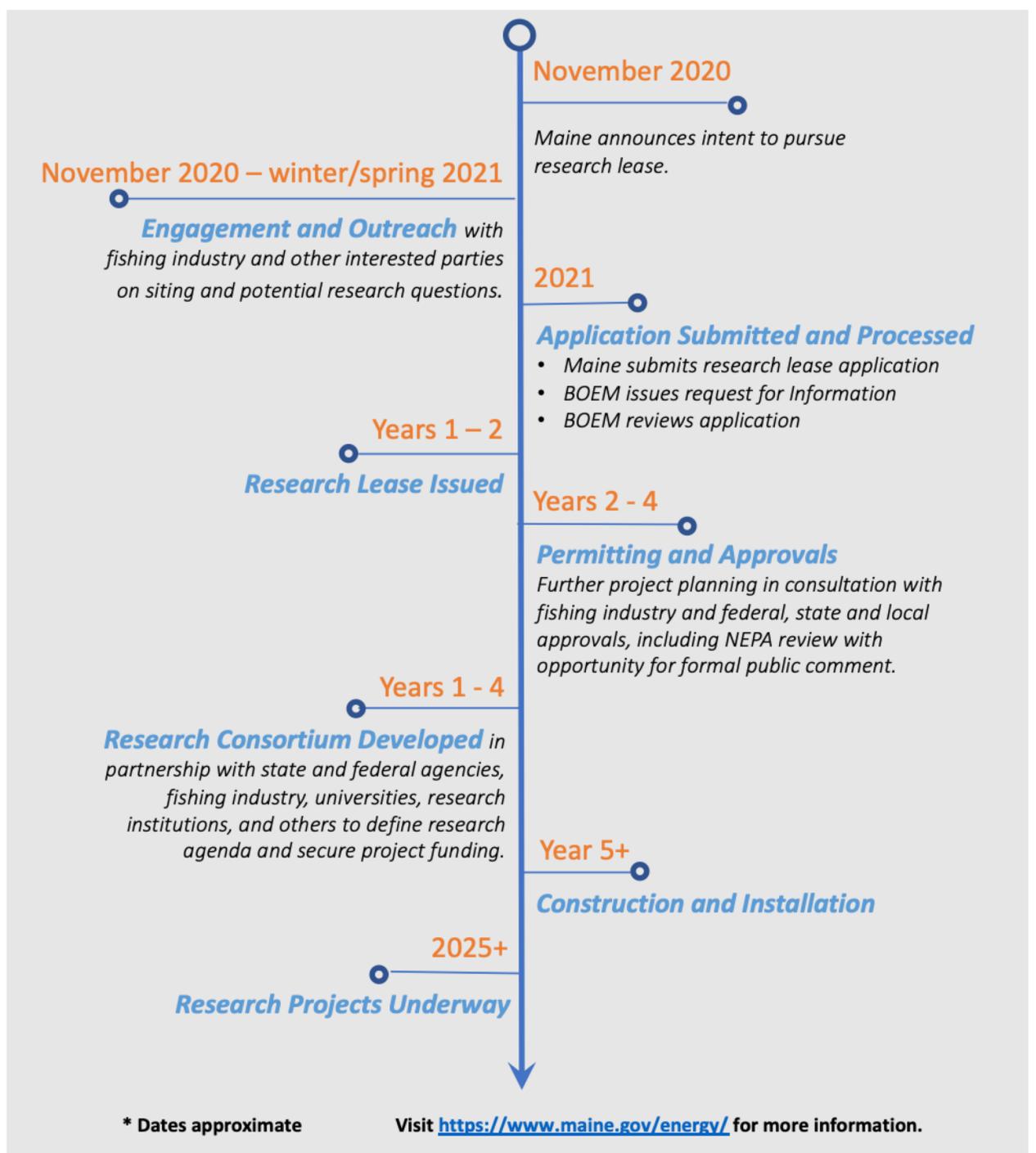
12 floating turbines or fewer

16 square miles or smaller

**Where will
research array
be located?**



Preliminary Project Timeline



Research Framework



- **Environment and ecological interactions**
- **Interactions with fishing activity**
- **Navigation**
- **Technology research and demonstration, including mooring systems**
- **Workforce education and training**
- **Others?**

Initial Siting Criteria

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

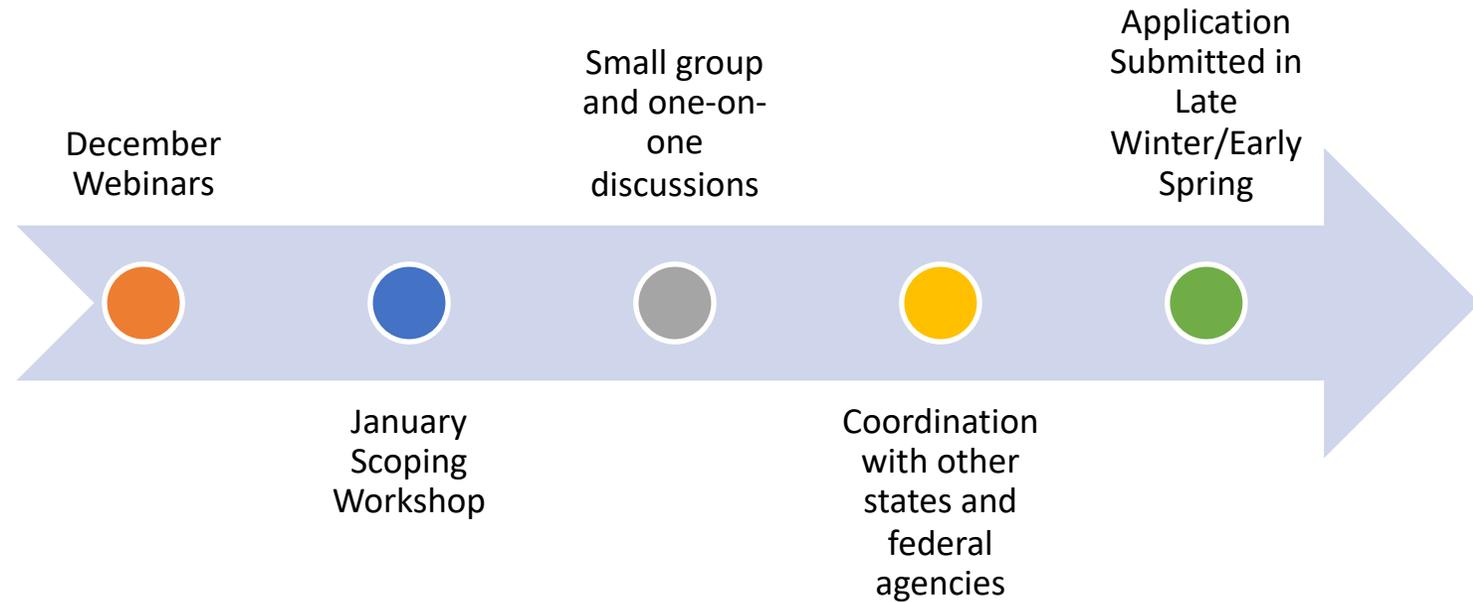
We need to know:

- 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





Discussion and Q&A

Contact:

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Additional references:

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