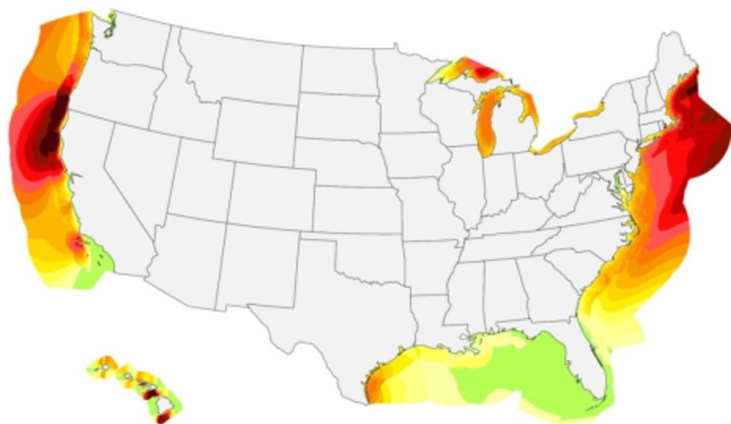
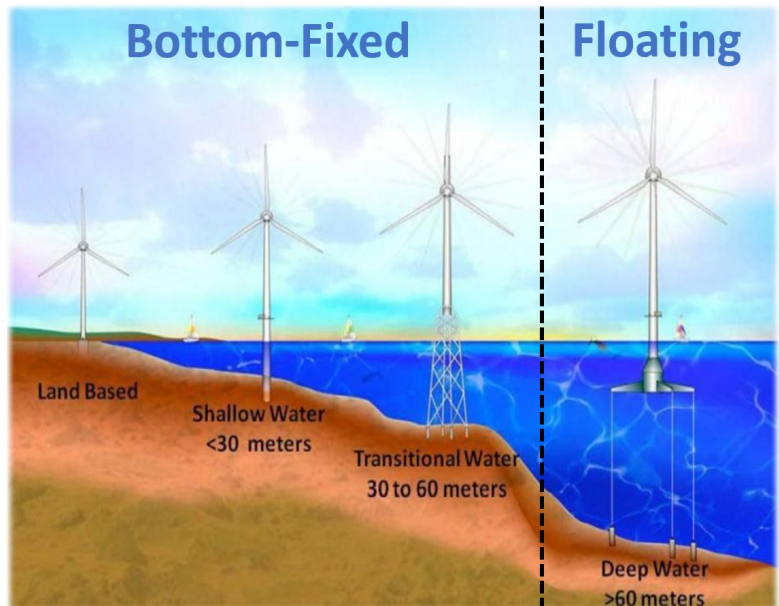


ODOE Floating Offshore Wind Study

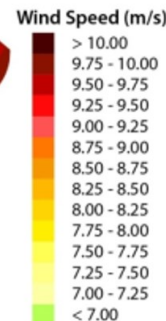
[Oregon HB 3375 \(2021\)](#) recognizes the merits of studying and planning for offshore wind, and without committing Oregon to specific deployment targets, requires the Oregon Department of Energy to develop a legislative report that identifies the benefits and challenges of integrating up to three gigawatts of floating offshore wind into Oregon's power grid by 2030. The report is due **September 15, 2022**. <https://tinyurl.com/ODOE-FOSW>
This is a state-led study to inform the Oregon Legislature, and does not replace or affect the federally-led leasing & siting activities of the Bureau of Ocean Energy Management.

Background

Floating offshore wind is an emerging type of offshore wind that allows wind turbines to be located in deep waters, typically at depths greater than 60 meters. The great majority of existing offshore wind projects around the world have been developed in shallow waters (less than 60 meters), where conditions are more suitable for the use of a bottom-fixed design that, similar to land-based wind, directly anchors wind towers into place. Deeper waters, however, pose construction challenges that prevent the use of bottom-fixed towers. Floating offshore wind overcomes these challenges by using a different anchoring design consisting of floating platforms and mooring lines that indirectly anchor wind towers to the seafloor in deep water locations - like the ocean waters off Oregon's coast.



Data Source: AWS Truepower 0-50nm; NREL WIND Toolkit beyond 50nm.



Oregon's Interest in Floating Offshore Wind

Oregon's interest is driven by many geographic, economic, and political aspects. While floating wind turbines could benefit Oregon's clean energy goals by generating clean electricity from Oregon's strong offshore wind speeds, there are also challenges that could potentially pose barriers to development of this resource. ODOE's study will identify and discuss potential benefits and challenges, and summarize key findings, including opportunities for future study and engagement.

ODOE's Role

[ODOE's Floating Offshore Wind Study](#) will consist of a literature review of relevant offshore wind research, followed by structured engagement with stakeholders interested in the topic of offshore wind development.

Pursuant to the law, ODOE's study will involve:

- Literature review on the benefits and challenges of integrating up to 3 GW of floating offshore wind into Oregon's electric grid by 2030.
- Development and use of prompting questions to help gather input from stakeholders on topics identified from the literature review, including reliability, state renewable energy goals, jobs, equity and resilience.
- Convening, at minimum, two public meetings with interested stakeholders to provide a summary of the literature review and to gather feedback on key topics.
- Submitting a final report to the Legislature that summarizes the key findings from the literature review and stakeholder consultation, including opportunities for future study and engagement.

Stakeholder & Public Engagement

Participation from a broad and diverse set of stakeholders and the public can help accomplish the HB 3375 declared state goal to plan for floating offshore wind in a manner that will maximize benefits to Oregon while minimizing conflicts between offshore wind, the ocean ecosystem, and ocean users.

Anyone with an interest in the topic of offshore wind development is invited to provide feedback and participate in the study process. Sign up to receive [email updates](#).

The law also calls for broad stakeholder engagement with state, regional and national entities, and lists several specific stakeholders for ODOE to consult with in its study, including but not limited to:

- Oregon Department of Land Conservation and Development
- Oregon Business Development Department (Business Oregon)
- Oregon Department of Fish and Wildlife
- Oregon Public Utility Commission
- Northwest Power and Conservation Council
- Bonneville Power Administration
- Bureau of Ocean Energy Management
- National Renewable Energy Laboratory
- Pacific Northwest National Laboratory
- United States Department of Defense

Study Process for Data Gathering and Report Drafting

- Aug - Dec 2021 Literature Review
- Jan - Feb 2022 Kick-Off: Initial Call for Stakeholder & Public Input
- Mar - May 2022 Public Input Meetings
- May - Sep 2022 Report Drafting

The report is due to the Legislature by **September 15, 2022**.

