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West Coast Ports Strategy Study

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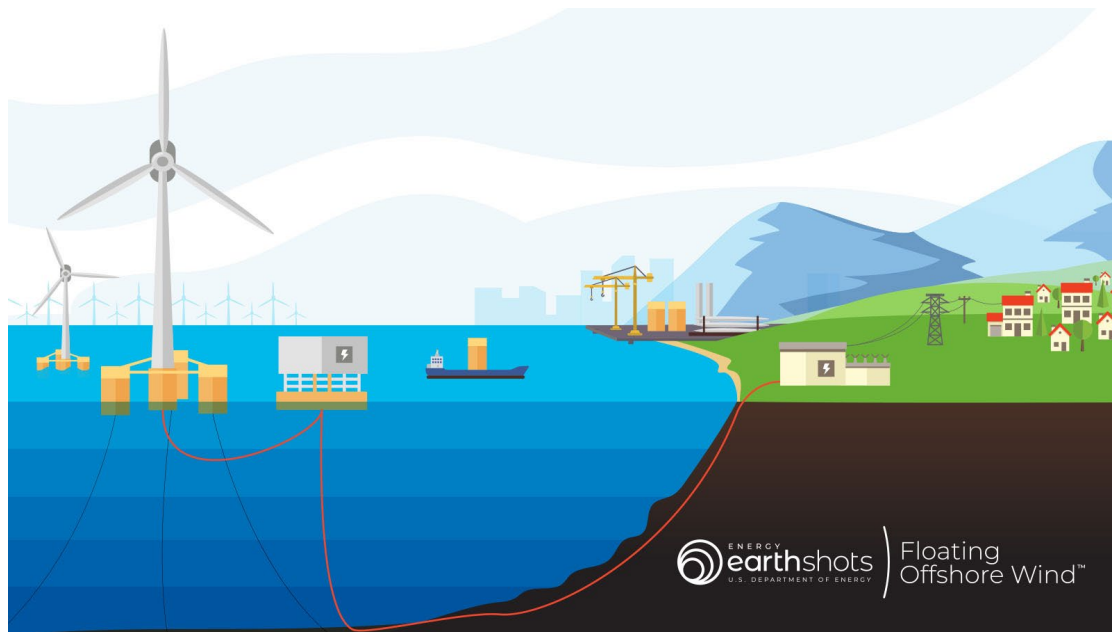
National Renewable Energy Laboratory

Assembly Bill 525 Workshop

October 31, 2022

The U.S. Department of Energy is focused on advancing floating offshore wind technology and commercial readiness in the United States

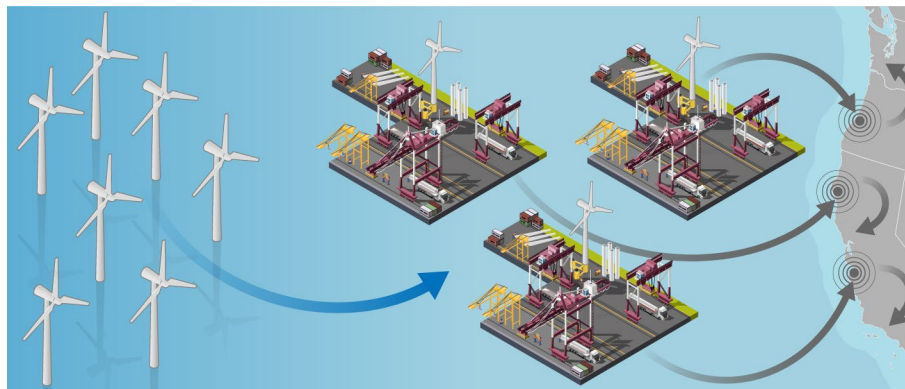
- Ongoing efforts to establish the U.S. as a global leader in floating wind:
 - [Floating Offshore Wind Energy Shot](#)
 - [FLOWIN floating platform manufacturing prize](#)
 - [Floating offshore wind array design project](#)
 - [West Coast Ports Strategy study](#)



The West Coast Ports Strategy Study will provide a comprehensive assessment of the requirements, gaps, and opportunities for developing a network of ports to support broad floating offshore wind deployment

- **Goals:**

- Publish a West Coast port strategy report
 - Include/inform complementary studies
 - Contribute distinct analysis on supply chains, O&M activities, and energy justice considerations
- Convene an advisory committee of key West Coast stakeholders and decision makers



NREL's research contributions will be informed by the advisory committee and scope of ongoing studies, but will (likely) include:

Combining complementary studies into a comprehensive set of West Coast port scenarios

- Comparative analysis of each scenario

Sensitivity studies and cost/benefit tradeoffs

- e.g., effects of distance to port on cost, delays, emissions

Assessment of equity and energy justice impacts on potential port communities

Modeling potential deployment bottlenecks from constrained port and vessel resources

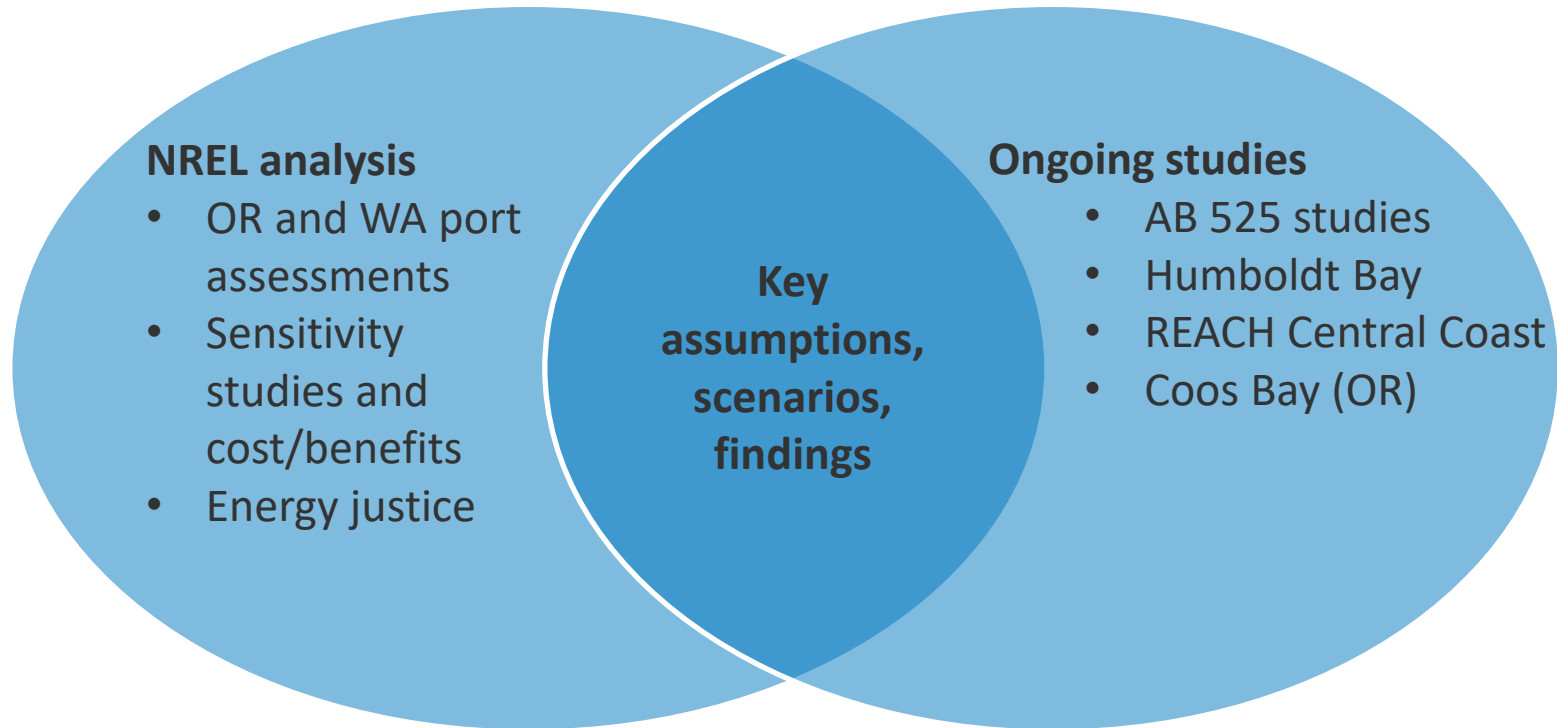
Comparison of domestic and international supply chains on cost and installation times

Compilation of regulatory and permitting requirements

Barriers to West Coast port development

Recommended solutions to overcome barriers

NREL's study will complement the ongoing studies to standardize approaches and messages for all West Coast decision makers



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