Floating Offshore Wind Study Public Meeting 3

May 11, 2022





OREGON DEPARTMENT OF ENERGY

Leading Oregon to a safe, equitable, clean, and sustainable energy future.



The Oregon Department of Energy helps Oregonians make informed decisions and maintain a resilient and affordable energy system. We advance solutions to shape an equitable clean energy transition, protect the environment and public health, and responsibly balance energy needs and impacts for current and future generations.

What We Do On behalf of Oregonians across the state, the Oregon Department of Energy achieves its mission by providing:

- A Central Repository of Energy Data, Information, and Analysis
- A Venue for Problem-Solving Oregon's Energy Challenges
- Energy Education and Technical Assistance
- Regulation and Oversight
- Energy Programs and Activities

AGENDA

- Welcome & Logistics
 - Opening Remarks Oregon Rep. David Brock Smith
- Oregon FOSW Study Preliminary Key Findings
 - ODOE Overview of Preliminary Key Findings
 - Clarifying Questions about Key Findings
- Federal/State Offshore Wind Energy Planning Process
 - BOEM Overview of Call for Information and Nominations (Call) for commercial leasing for wind energy development offshore Oregon
 - DLCD Overview of Oregon Offshore Wind Mapping Tool (OROWindMap)
 - Clarifying Questions for BOEM and DLCD
- Public Comment Oregon FOSW Study
 - **Note:** Comments on the BOEM Oregon Call are outside the scope of this public comment agenda item



Rep. David Brock Smith Remarks

HOW THIS MEETING WILL BE FACILITATED

In-person Attendees as well as WebEx Panelists and WebEx Attendees

- WebEx Panelists = ODOE Staff supporting the meeting
- WebEx Attendees = virtual meeting participants.

Community Agreements:

- Be present and ready to learn.
- Be respectful to others.
- Learning happens outside of our comfort zones.
- Listen to learn first, and to supply information or perspectives second.
- Thank you for being flexible and patient around any technology needs or changes.
- If you need something at this meeting, please ask for it!
- Technical issues or questions: Contact "Host" in the chat or send an email to <u>Linda.Ross@energy.oregon.gov</u> or <u>Christy.Splitt@energy.oregon.gov</u>



OPTIONS TO PROVIDE FEEDBACK

Oral Feedback Today - we will be forming a comment queue for anyone wishing to provide oral feedback during today's *public comment agenda item*.

- > Public comments will alternate between *In-Person* and *Online* attendees.
 - In-Person List: Please add your name to the sign-up list and you will be called during the timeframe for public comment.
 - Online List: Please use the <u>chat</u> or <u>"raise hand"</u> feature in WebEx to indicate you'd like to speak and your name will be called during the timeframe for public comment.

Written Feedback

- > Comment cards for people in the room.
- > WebEx chat for people online.



> Online webportal for feedback after today's meeting – please submit by May 27.

USING WEBEX



ODOE FOSW Study

- Recap of HB 3375 & Prior Public Meetings
- Overview of Preliminary Key Findings
- Next Steps





WHAT IS HB 3375?

- "Whereas statements" Recognize the merits of studying FOSW
 - Vast potential, BOEM activity, decarbonization, other benefits & challenges
- Describes Oregon goal to plan for up to 3 GW of FOSW by 2030
 - "Goal to plan" only doesn't direct how to plan
 - Directs ODOE to report on benefits & challenges
- Does not commit to deployment targets
 - Unlike NY
 - State commitment to a target of 9 GW by 2035
 - Unlike CA
 - AB 525 directs CEC to develop a state plan
 - CEC plan will identify a capacity target





CORE ELEMENTS OF HB 3375

1. Literature Review

• Review studies and reports relevant to benefits & challenges of FOSW

2. Stakeholder Feedback

- Several state, regional and national entities listed in bill to consult
- Additional stakeholders identified by ODOE, including those from BOEM Task Force
- Develop topical questions based on lit. review to prompt stakeholder feedback

3. Public Remote Meetings

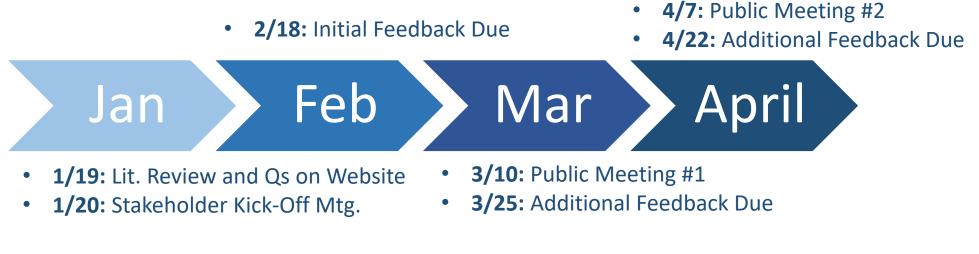
- Convene at least two public remote meetings with stakeholders
- 4. Report to Legislature by 9/15/2022
 - Summarize key findings from literature review and stakeholder feedback, including opportunities for future study and engagement



https://www.oregon.gov/energy/energy-oregon/Pages/fosw.aspx

TIMELINE FOR IMPLEMENTATION

Data Gathering & Engagement



Report Drafting & Submission



RECAP OF PRIOR PUBLIC MEETINGS

Public Meeting #1

March 10, 2022 9:30 a.m. – 2 p.m.

- Siting and Permitting
- Port Infrastructure & Sea Vessels
- Economic Development
- Equity
- Local Reliability & Resilience

Public Meeting #2

April 7, 2022 9:30 a.m. – 2 p.m.

- 100% Clean Energy Targets
- Technologies
- Transmission Infrastructure
- Energy Markets
- State & Regional Reliability



https://www.oregon.gov/energy/energy-oregon/Pages/fosw.aspx

FEEDBACK RECEIVED

- More than 30 different comments received from a variety of perspectives, including:
 - Members of the public
 - Ports
 - Fisheries
 - State Agencies
 - Federal Entities
 - NGOs
 - Utilities and transmission providers
 - Developers and supply chain
 - Research consortiums and national labs
- Feedback received can be viewed at the following link:
 - <u>https://odoe.powerappsportals.us/en-US/fosw/foswview/</u>



Key Preliminary Findings

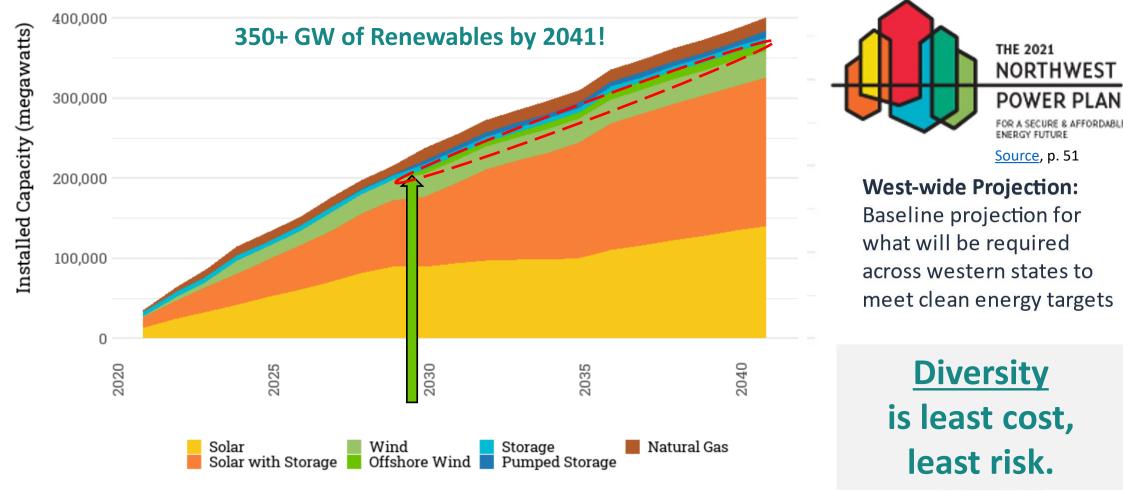
- Key preliminary findings are based on:
 - Existing literature.
 - Common themes from feedback.
- Summary report to the Legislature:
 - Will include a summary of key findings.
 - Will include recommendations for future study and engagement.
 - Will include references to literature reviewed and feedback received.
 - Will not reconcile opposing perspectives.

Study Objective:

To gather and synthesize a range of information and perspectives on the benefits and challenges of integrating up to 3 GW of FOSW into Oregon's electric grid to inform a summary of key findings in a report to the Legislature, including opportunities for future study and engagement.



FOSW Context: Highest-Level Key Findings

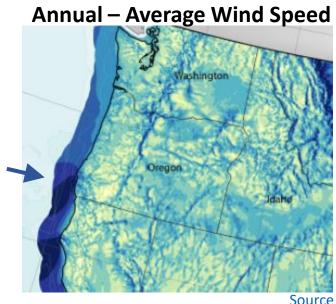




Can It All Get Built In Time? Where?

FOSW Context: Highest-Level Key Findings

- 2050 Clean Targets <u>100s of gigawatts (GWs)</u> of new renewables are necessary across the West to achieve policy goals.
- Oregon has outstanding offshore wind resources strong & consistent.
 Ocean depth requires <u>floating</u> offshore wind (FOSW) technology.
 Nascent tech, global deployments total ~100 MW.
- FOSW and supporting transmission can have potential effects to ocean users and the environment.
- FOSW is a unique renewable technology because it requires:
 - o GW-scale for commercial development.
 - Floating platforms.
 - Port upgrades.
 - Transmission upgrades.
 - New offshore & expanded onshore transmission.

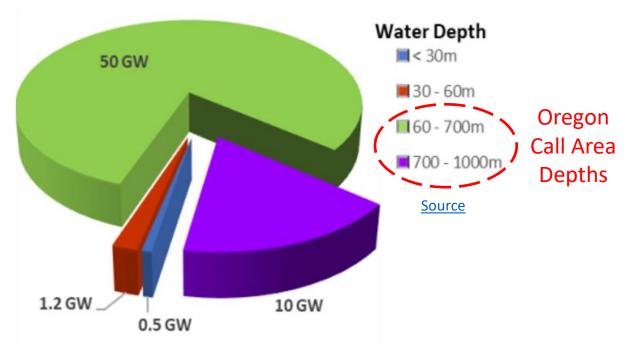




Primary Grid Benefits

- Scale of FOSW can help achieve mid-century clean energy targets.
 - Scalable Resource: Dozens of GWs could be deployed if potential effects can be avoided and mitigated.

Technical Resource Capacity – 62 GW



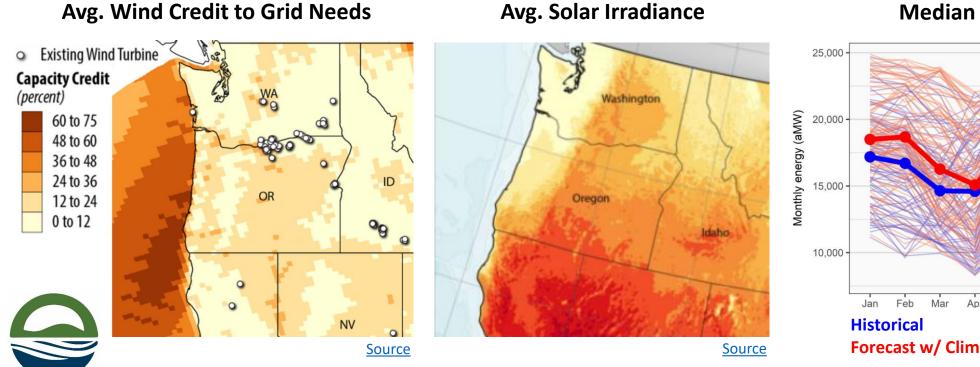
Regional States w/ 100% Clean Energy Targets



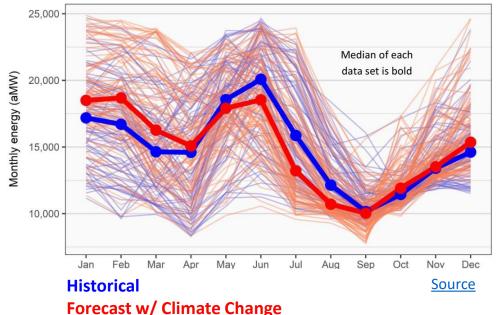
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Primary Grid Benefits

- FOSW can provide critical reliability contributions to a 100% clean power grid.
 - **Complementary Output:** FOSW output complements loads and output of onshore clean energy across days, nights, and seasons.

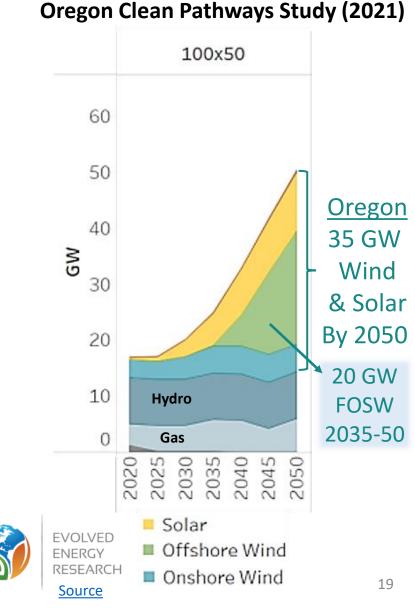


Median Monthly Hydro Output



Primary Grid Benefits (cont.)

- Unique ocean location offers a diversity option to help <u>manage</u> <u>costs & risks</u> of achieving mid-century clean energy goals.
 - **Optimize Onshore Costs:** Developing FOSW could help optimize the scale of investment in onshore renewables & transmission.
 - Hedge Onshore Risks: Developing FOSW could help reduce the risks of relying on onshore development alone to meet the pace and scale of renewable build-out necessary.





Primary Grid Benefits (cont.)

Unique location could bolster grid reliability & resilience.

FOSW

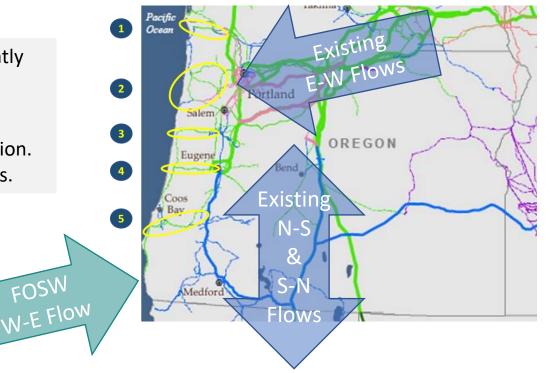
o FOSW at the grid's western edge can bolster the reliability & resilience of both the coastal and regional power grid.

Coastal power systems currently served by distant generation.

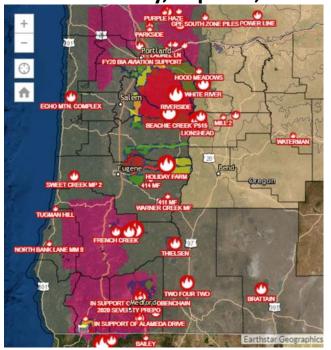
FOSW could provide:

- Coastal large-scale generation.
- Transmission R & R benefits.

Oregon's predominant power flows



Wildfire Snapshot from Oregon RAPTOR at 7 a.m. Friday, Sept. 11, 2020



Primary Benefits Beyond the Grid

• Economic Development: FOSW would bring direct, indirect, and induced economic development for coastal Oregon, other Oregon areas, and neighboring West Coast states.





• Equity: New jobs in <u>underemployed</u> <u>coastal communities</u>; and reduced emissions that disproportionately impact <u>disadvantaged communities</u>.



Primary Benefits Beyond the Grid

• Land Use Optimization: FOSW and supporting transmission development could mitigate the cumulative development of new renewables and transmission on land.

Solar - Central Oregon



Solar - Willamette Valley



Onshore Wind – Eastern Oregon



Transmission Across Oregon (Ex. 2009*) **High-voltage transmission lines** PG&E Existing lines TransCanada - Proposed lines WASH. PacifiCorp ORE. **IDAHO** Idaho Power PG&E PacifiCorp/ PacifiCorp Idaho Power CALIH NEVAD Source: Utilities MICHAEL MODE/THE OREGONIAN

*Potential new lines proposed in 2009, none were built.

Source

Primary Challenges

- FOSW has tremendous upfront capital costs and is in a nascent stage of global development.
 - Floating Platforms: Need for novel floating platforms, and new facilities to fabricate them, add significant capital costs.
 - Port Upgrades: Need for costly upgrades to Oregon ports.
 - Transmission Expansion: Need for costly new offshore transmission and expanded onshore transmission.





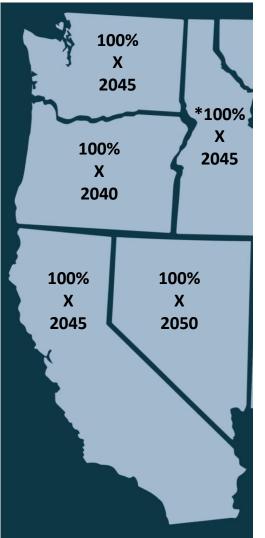






Primary Challenges

- West Coast Lacks Explicit State Commitments to FOSW
- GW-scales likely necessary to attract investment are too large for near-term demand from Oregon offtakers alone.
 - Uncertainty w/ Oregon's Current "Market-Based" Approach: Reliance on market competition may not translate to Oregon utilities entering near-term offtake commitments for FOSW.
 - Certainty From State Commitments to FOSW:
 A more prescriptive approach to FOSW development through a state commitment would mitigate sole reliance on market competitiveness.





Primary Challenges

- Oregon & PNW lack formalized, central planning to help coordinate multiple offtakers to help optimize scale, costs, and benefits of FOSW.
 - **Cooperation Not Formalized:** Oregon lacks a collective, state-wide planning process and is not part of a Regional Transmission Organization (RTO).
 - Fragmented Planning: Bi-lateral markets make cooperative offtake challenging.
 - Voluntary Cooperation: Multiple offtakers in bi-lateral markets is possible if utilities are flexible & cooperative in planning and procurement activities.

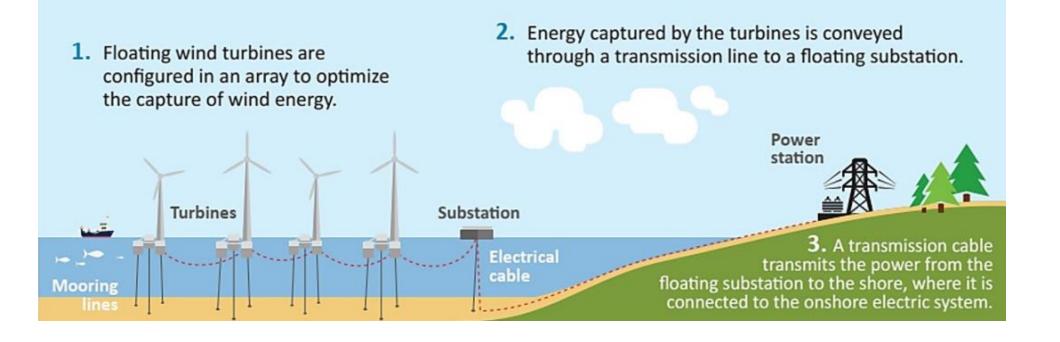




Primary Challenges

- Complexities of Siting & Permitting Processes
 - Potential Impacts to Ocean & Land Users: Avoiding & mitigating potential effects from FOSW on the interests of ocean & land users could be a significant challenge.

Examples - potential impacts to: Fishing, Shipping, Military, Tribes, Coastal Citizens, Tourists, Others

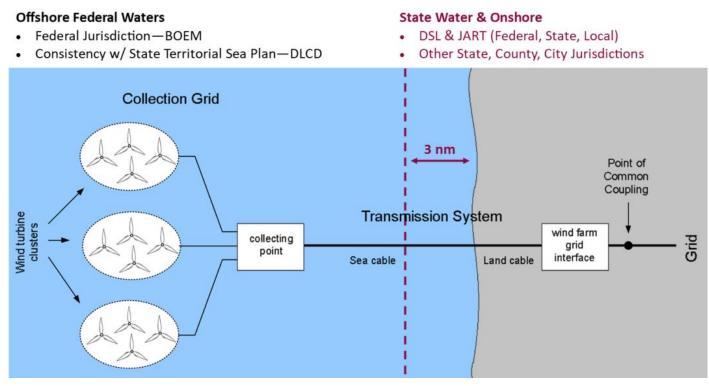


Primary Challenges

- Complexities of Siting & Permitting Processes (cont.)
 - Potential Environmental Impacts: Avoiding & mitigating potential effects on the environment could be a significant challenge.

Examples - potential impacts to:

- Local & migratory fish & wildlife
 - Marine & land-based species
 - Birds
 - Others
- Sensitive habitats
 - Marine
 - Seafloor
 - Estuary
 - Land-based
 - Others



Primary Challenges

- Complexities of Siting & Permitting Processes (cont.)
 - **Potential Process Gaps:** Cumulative effects of FOSW across multiple call areas could be challenging for existing S&P processes to capture and assess.
 - Ex. Potential cumulative effects to fishing industry & marine habitat/species.
 - **Potential Data Gaps:** Imperfect data relating to key potential effects.
 - Ex. Fisheries, migratory species, sensitive habitats and subsea geology, socioeconomic, and FOSW viability at depths greater than 1,300m.

• Effects of Concern: Calls for comprehensive analysis of many particular potential effects.

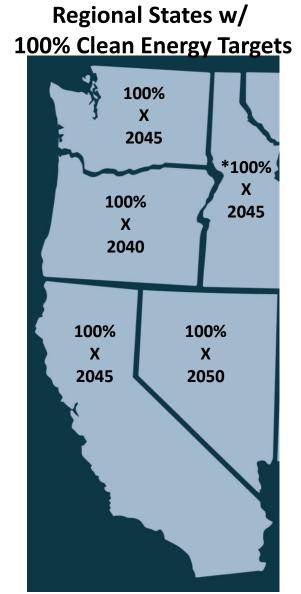


 Ex. Potential economic losses from excluded ocean areas; ecosystem effects; and potential aviation impacts from height of FOSW & new onshore transmission.

Piecing it All Together

Proactive Interregional and State & Local Collaboration

- Increased collaboration at all levels of government would help overcome two of the primary challenges facing FOSW:
 - 1) Optimal Scale for Multiple Offtakers:
 - Increased collaboration would provide significant benefits towards identifying the optimal GW-scales of FOSW & transmission solutions.
 - GW-scales of FOSW & transmission are likely to have a multitude of cumulative potential effects to the environment and local ocean & land users.





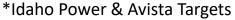
Piecing it All Together

Proactive Interregional and State & Local Collaboration

- 2) Optimal Siting for Avoiding & Mitigating Potential Effects:
 - Increased collaboration would provide significant benefits towards evaluating and identifying ocean and land sites for GW-scales of FOSW & transmission solutions.

Scale & Siting Optimization Can Be Maximized by Increasing Interregional and State & Local Collaboration As Soon As Possible.





Piecing it All Together

Multiple actions/steps need to occur before a FOSW project could be built.

- Key actions/steps, often with overlapping process timelines:
- Site Control
 - Federal (BOEM) Executed lease(s) of ocean area(s).

• Permits & Approvals

- Federal, tribal, state & local siting and permitting approvals (offshore and onshore).
- Port Upgrades
 - Upgrade port(s) to support FOSW construction & deployment.
- Transmission Expansion



 Upgrade onshore transmission network to accommodate GW-scale output of FOSW.

- Interconnection and Transmission Service Agreements
 Two independent processes between a developer
 - and a transmission provider.

• Offtake Agreement

- Offtake agreement between a developer and a purchaser (i.e., power purchase agreement).
- Construction
 - Construction of FOSW project generation and transmission (offshore and onshore).



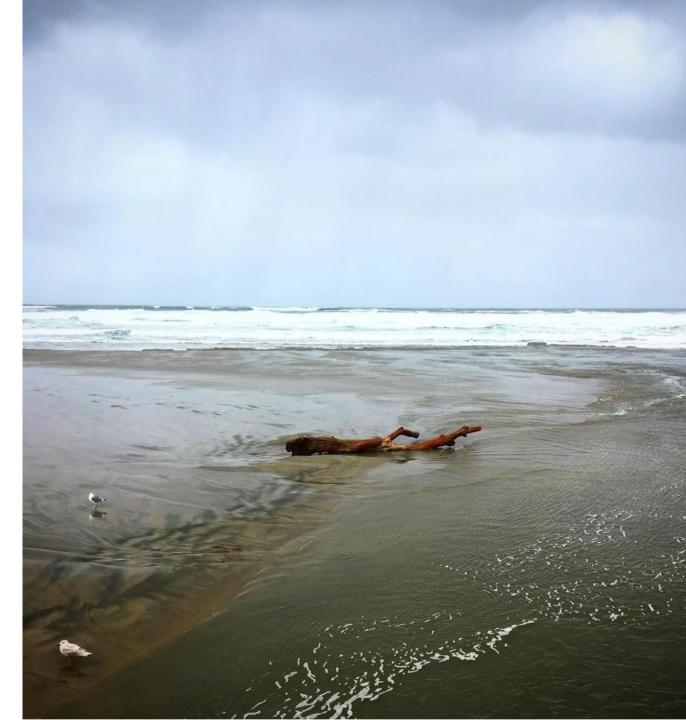
Q & A

Contact information:

Jason.Sierman@energy.oregon.gov

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Next Steps & Last Call for Feedback





WEB PORTAL FOR SUBMITTING FEEDBACK

https://odoe.powerappsportals.us/en-US/fosw

| | 🔒 Submit a Comment - Financial/Incentive - Received Comments/Data - Ask Energy - Other - Sign in |
|----------------|--|
| | Home > Floating Offshore Wind Study > May 11, 2022 Meeting Additional Feedback |
| Please Read | May 11, 2022 Meeting Additional Feedback |
| | Instructions for Additional Feedback Relating to Public Meeting 2 During the public meeting on May 11, 2022 (in Coos Bay/virtual). ODOF chared an overview of preliminary key findings about benefits and challenges. The meeting agenda included public comments from both in-person and virtual attendees. Do you have any final comments on ODOE's Preliminary Findings or other information shared during this study process to help inform the report to the Oregon Legislature? Please provide your contact information and comments in the input boxes on the pages ahead. Click 'Next' at the bottom of the page to begin. |
| | Saving/Submitting If you need to close the form and return at a later time, only pages on which you clicked the 'Next' button on the bottom of the form will be saved. Comments will only be submitted after clicking on the 'Submit' button on the last page of the form. |

If you have questions or run into technical issues with the form, please reach out to: Jason Sierman.



Instructions General Comments/Attach File Submit

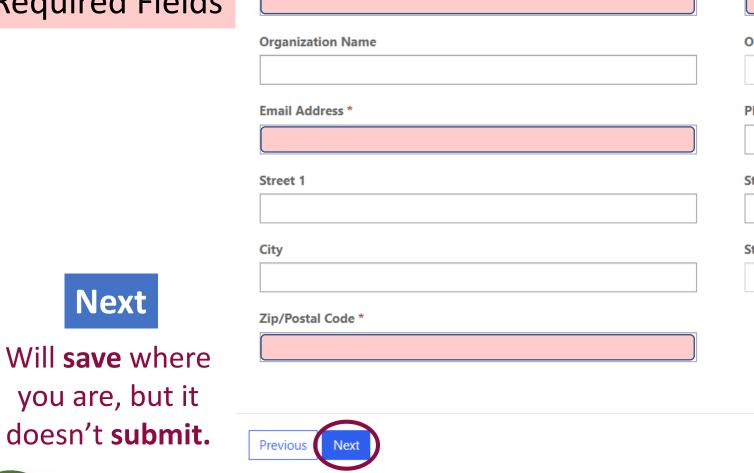


First Name *

Contact Information

Required Fields

Next



| Last Name * | |
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| | |
| Organization Type | |
| | ~ |
| Phone Number | |
| Provide a telephone number | |
| Street 2 | |
| | |
| State | |
| OR | ~ |





Floating Offshore Wind Study

You have completed the comment process.

You may review or modify your comments by using the 'Previous' button to return to prior pages.

Once you are satisfied with your comments, plase click on the 'Submit' button at the bottom of this page.

To complete your feedback, you must click

Submit

on Final Screen





TIMELINE FOR IMPLEMENTATION

Data Gathering & Engagement



Report Drafting & Submission





BOEM Bureau of Ocean Energy Management

Oregon Department of Energy (ODOE) Floating Offshore Wind Study Public Meeting 3

May 11, 2022

Whitney Hauer, Ph.D., Renewable Energy Specialist BOEM Pacific Regional Office

Bureau of Ocean Energy Management (BOEM)



 Mission: Manage the development of U.S. Outer Continental Shelf (OCS) energy and mineral resources in an environmentally and economically responsible way

Jurisdiction on the U.S. West Coast

- Federal waters from 3 to 200 nautical miles (i.e., the OCS)
- Offshore California, Oregon, and Washington
- Excludes National Marine Sanctuaries

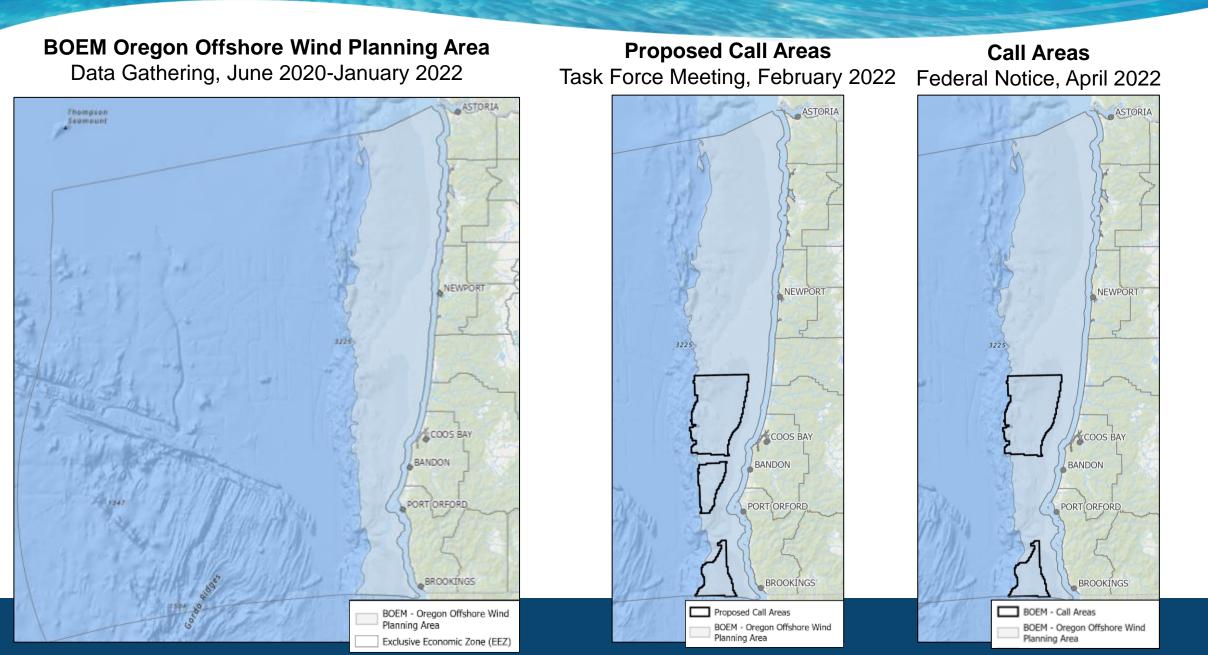


BOEM Wind Energy Authorization Process



BOEM coordinates and consults with affected Tribal, State, and local governments and other federal agencies
 Multiple opportunities for public input

Oregon Offshore Wind Energy Planning



Call for Information and Nominations (Call)

- Invites public comment on and assesses interest in possible commercial wind energy leasing
- Call Areas are of a sufficient size to allow for winnowing
- Considering 3 gigawatts for near-team commercial development for the first leasing activities offshore Oregon
 - Less than one-fourth of the Call Areas
- Call notice available at www.boem.gov/Oregon

| Call Area | Approx. Offshore Wind Energy Capacity | Oreç | on Call Areas | | |
|-----------|---|-----------|-----------------|----------------------|--|
| | Gigawatts | Acres | Square miles | Square kilometers | |
| Coos Bay | 10.6 | 872,854 | 1,364 | 3,532 | |
| Brookings | 3.5 | 286,444 | 448 | 1,159 | |
| Total | 14.1 | 1,159,298 | 1,811 | 4,692 | |



Parameters for the Development of Call Areas

Demand for renewable energy

Suitability for offshore wind:

- Wind resource and cost of energy
- Depth and slope
- Transmission availability
- Maritime navigation
- Existing submarine cables
- Commercial fishing

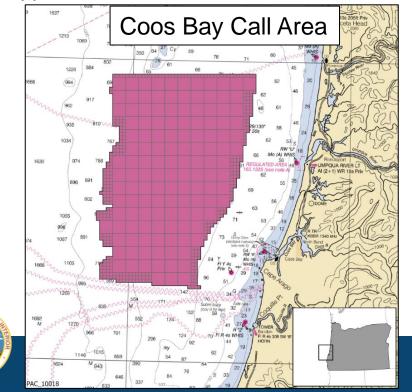
o Wildlife and habitat:

- Marine mammals
- Sea turtles
- Marine birds
- Marine habitat
- Submerged landforms
- Tribal considerations
- Department of Defense considerations

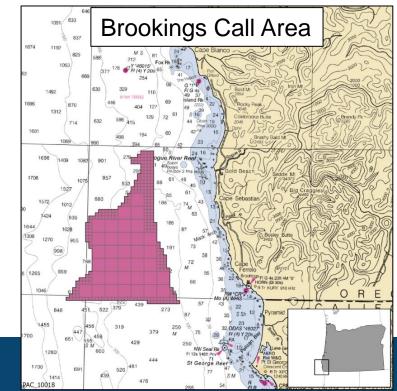


Call Area Details

- 13.8 Miles offshore to approx. 65 miles offshore
- Western boundary water depth is 4,265 feet (1,300 meters)
- Eastern boundary water depth ranges from approx.
 394 to 722 feet (120 to 220 meters)
- $_{\circ}~$ Approx. 67 miles in length from north to south
- $_{\circ}\;$ Approx. 41 miles in width from east to west



- 13.8 Miles offshore to approx. 46 miles offshore
- Western boundary water depth is 4,265 feet (1,300 meters)
- Eastern boundary water depth ranges from approx.
 410 to 1,115 feet (125 to 340 meters)
- Approx. 46 miles in length from north to south
- Approx. 22 miles in width from east to west



Requested Information from Interested or Affected Parties

- Feedback on the Call Areas is essential to help BOEM identify areas suitable for potential leasing
- Specific and detailed comments on features, activities, or concerns in or around the Call Areas
 - Socioeconomic, cultural, biological, environmental, geological, and geophysical information
 - Known archaeological and/or cultural resources
 - Historic properties
 - Other uses: vessel navigations, recreational and commercial fishing
 - Visual resources
 - Environmental justice
 - Offshore wind energy industry feedback
 - Coastal or onshore activities needed to support offshore wind development
 - Other relevant information

How to Comment

- Public comment period ends at 8:59 pm PT on Tuesday, June 28, 2022
- Supplement your comment narrative with a map (optional)
- Submit public comment:
- **1. Federal eRulemaking Portal:**

http://www.regulations.gov

Bureau of Ocean Energy Management

Search docket number BOEM-2022-0009

2. Mail:

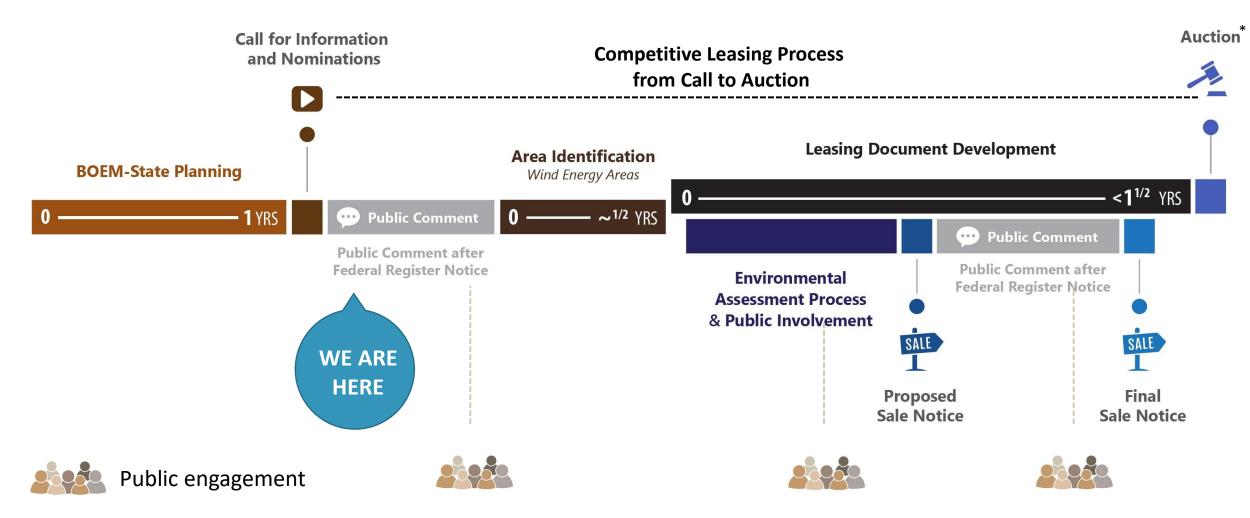
Dr. Whitney Hauer Bureau of Ocean Energy Management Office of Strategic Resources 760 Paseo Camarillo, Suite 102 Camarillo, CA 93010



| Areas. Comments must be rette Call by June 28, 2022. The Oregon Offshore Wind Energy M (OROWindMap) accesses relevant data visualization capabilities. OROWindM that can be used to supplement the n public comment if you would like to its specific data layers or to create and sl (drawings). The following instructions provide a luse OROWindMap to supplement you see OROWindMap to supplement you see OROWindMap to supplement you see OROWindMap at https://ojwestcoastoceans.org. Create an account or log in to an selecting 'LOG IN' at the top right. | sets and provides data dap is a planning tool arrative part of your nclude a map to highlight hare map annotations brief overview of how to our public comment: ffshorewind. n existing account by it corner of the screen | 4. | individual layers from the 'Data' tab of the data pane or using the search bar. These layers are organized into biological, human use, and physical of you include the lay Areas, BOEM, Apri any maps to show Oregon Call Areas. Organize data layer the data pane and up or down into th which data layers i in the map viewer- your mao. | Active My Integrated ategories. It rer 'Oregon Cl 1 2022' (http://www. how your co- ars by selecting using your ci e order your jung rer viewed on the order of the o | Offshore Wind Ca s://bit.ly/3LjAQY mment is related ng the 'Active' tab ursor to drag the prefer. This chang n top of one anot |
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https://www.boem.gov/renewable-energy/ state-activities/orowindmappubliccomments

Oregon Planning Prior to a Lease Auction



*A lease provides the lessee the right to submit a Site Assessment Plan (SAP) and a Construction and Operations Plan (COP) for technical and environmental review and approval. A lease does not, by itself, authorize any activity within the leased area.



BOEM.gov f У

Whitney Hauer, Ph.D.| whitney.hauer@boem.gov | (805) 384-6263

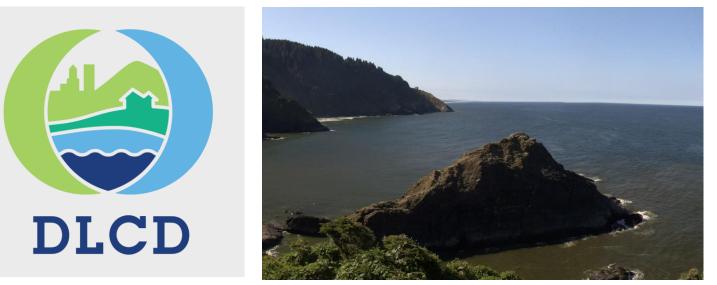
www.boem.gov/Oregon

Floating Offshore Wind Energy Study: State Role & OROWindMap

OCMP

Coos Bay





May 11, 2022 Andy Lanier, Marine Affairs Coordinator Oregon Coastal Management Program



MyPlanner Data Legend

Active

Biological

Human

Physical

Q



ortheast

Pacific

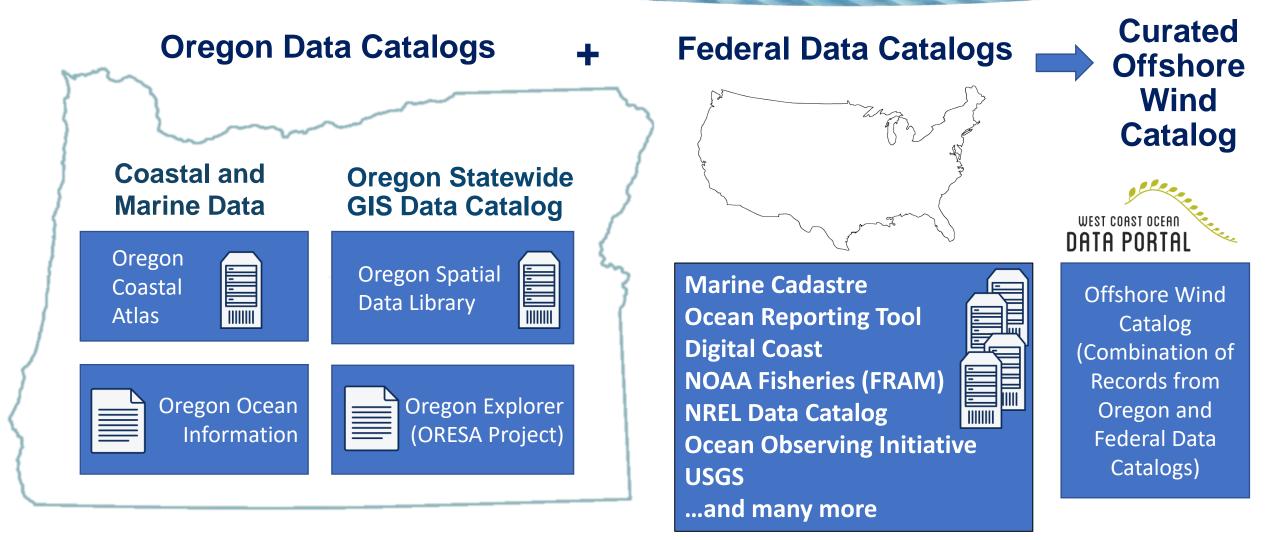
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| ABOUT | МАР | GROUPS | L |
|------------------------|-----|--------|---|
| OFFSHORE WIND PLANNING | | | |
| USING OROWINDMAP | | | |
| DATA CATALOG | | | |
| FAQS | | | 2 |

OROWindMap Tool: https://offshorewind.westcoastoceans.org/

Offshore Wind Data Catalog Organizational Plan



New OROWindMap System Features

New Features Available on OROWindMap

- Integrated Catalog & Information Pages
- User Accounts
- Bookmarks
- Drawings
- Groups

New Instructional Videos

- Introduction to OROWindMap
- Viewing Data Layers & Metadata
- Creating a Login & using MyPlanner
- Collaborating with Groups
- Using OROWindMap in the Public Comment Process

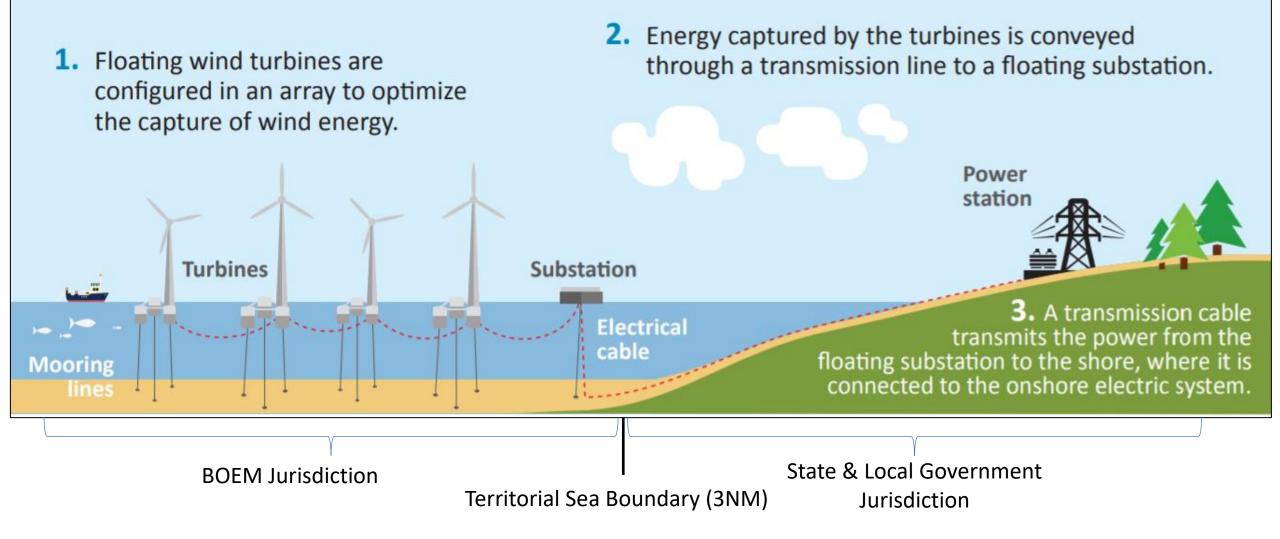
New Data Layers

Added since October 2021

| L | |
|---|--|
| | |
| | |
| L | Supporting the Offshore Wind Planning Process in Oregon // DATA PORTAL |
| L | |
| | OROWindMap Update, February 24, 2022 |
| | In preparation for the upcoming Task Force meeting on February 25, 2022, and in the interest of continued development and use of OROWIndMap, the West Coast Ocean Data Portal would like to highlight changes in data and features on OROWIndMap since the last Task Force |
| L | meeting on October 21, 2021. |
| | |
| L | Data |
| | Following Task Force Meeting Nine (October 21, 2021) and the review of comments received on the Draft Data Gathering and Engagement Summary Report, the following layers have been |
| | added to OROWindMap. In some cases where requests for additional data or changes to data representation were made, the OROWindMap team may still be in the process of |
| | communicating with data providers or reviewing the suggested data sources. For a complete list |
| | of action items associated with comments received on data layers and a record of changes associated with descriptions or metadata, refer to Appendix 8.1 of the <u>Data Gathering and</u> |
| | Engagement Summary Report. |
| | New layers added since October 2021: |
| | Eelgrass Maximum Extent |
| | Humpback Whale Critical Habitat (Mexico DPS) Humpback Whale Critical Habitat (Central America DPS |
| | Killer Whale Critical Habitat (Southern Resident DPS) |
| | BOEM Wind Planning Areas US West Coast Deep Sea Corals and Sponges: |
| | Number Deep Sea Coral Taxa Associated With Hard Substrate having High Habitat Suitability |
| | Number Deep Sea Coral Taxa Associated With Hard Substrate having Robust High Habitat Suitability |
| | Groundish Essential Fish Habitat Synthesis Process, 2013; |
| | Predicted Occurrence Chilipepper Rockfish 2003 - 2010 Predicted Occurrence Dover Sole 2003 - 2010 |
| 1 | Predicted Occurrence Lingcod 2003 - 2010 |
| 1 | Predicted Occurrence Padific Ocean Perch 2003 - 2010 Predicted Occurrence Shortspine Thomyhead 2003 - 2010 |
| | |
| | Predicted Occurrence Darkblotched Rockfish 2003 - 2011 Predicted Occurrence Greenstriped Rockfish 2003 - 2011 |

https://offshorewind.westcoastoceans.org/how-to-use-orowindmap/using-orowindmap/

Generalized Floating Offshore Wind Energy Jurisdictions



What is the Oregon Coastal Management Program?







Policies & Plans

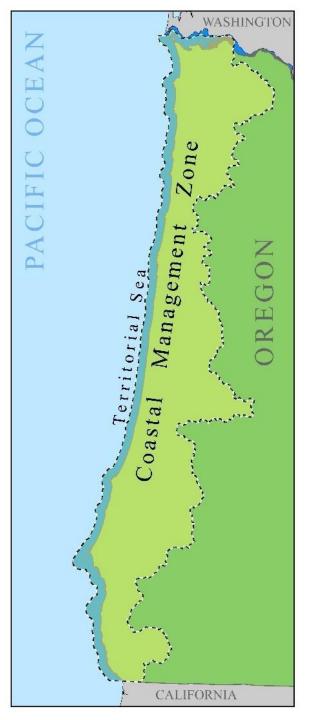
- Coastal Goals,
- Territorial Sea Plan
- Estuary Planning
- Hazard Planning

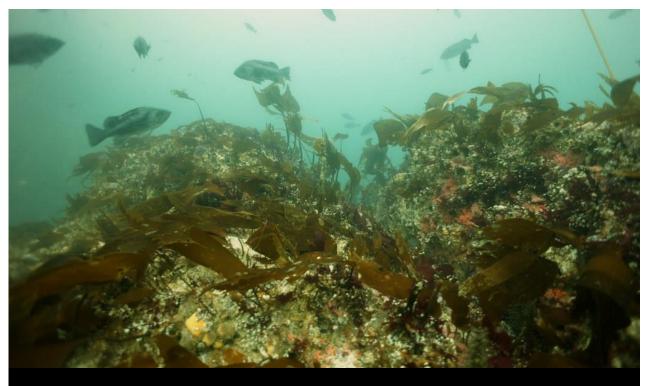
Federal Consistency Authority

• Allows application of state policies to federal activities.

Networked Program

• A network of state and local partners that help implement the Program.





Federal Consistency

Authority granted to states under the provisions of the Coastal Zone Management Act (CZMA) allowing the application of state policies to federal activities.

<u>Conducted by</u>: Oregon Coastal Management Program (OCMP) <u>Lead Agency</u>: Department of Land Conservation & Development

Designed to

- Promote state-federal cooperation and early coordination on federal activities.
- Give states the authority to review federal activities for consistency with state policies.
- Oregon's policies sourced from
 - State Agency Statutes & Rules
 - Local Comprehensive Plans & Ordinances
 - Territorial Sea Plan
 - Statewide Land Use Planning Goals
- Federal agency cannot issue the permit if inconsistent with state policy.

Permitting Overview: Subsea Cables

LOCAL

- Determined based on local policies. May include:
 - Conditional Use Permit
 - Floodplain Development Permit
 - Development Permit

STATE

- Federal Consistency Review (DLCD-OCMP)
- Section 401 Water Quality Certification (DEQ)
- Proprietary Easement/Lease (DSL)
- Removal-Fill Authorization (DSL)
- Ocean Shore Alteration Permit (OPRD)
- Potential Fish and Wildlife Authorization(s) (ODFW)

FEDERAL

- Nationwide Permit or Standard Individual 404 Permit (USACE)
- Other project-based authorizations may involve -
 - Bureau of Ocean Energy Management (BOEM)
 - Federal Energy Regulatory Commission (FERC)
 - U.S. Coast Guard

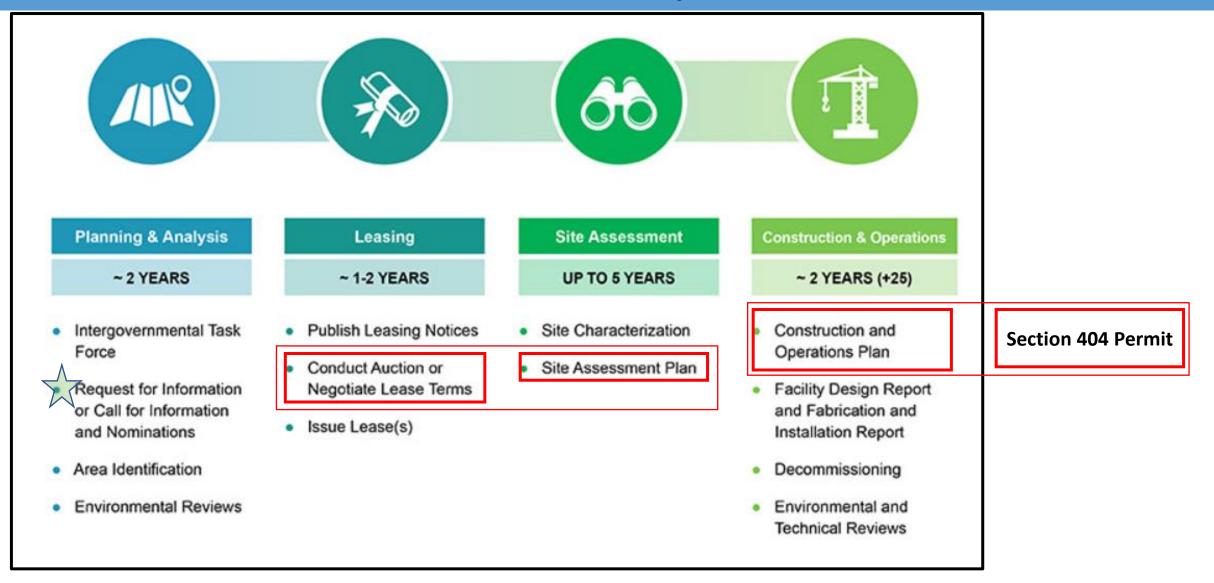


DLCD





Offshore Wind Energy Siting & Federal Consistency Review



Key Review Considerations

- Fish and Wildlife concerns & policies
- Viewshed Impacts
- City/County policies
 - Cable landing & facilities
- Territorial Sea Plan
 - Part 4 Subsea Cables
 - Part 5 Marine Renewable Energy
- Tribal Feedback & Consultation
 - Federal consultation initiated early in the taskforce process – DLCD is a signatory.

Public Comment

- Comments on FOSW Study only.
 - Comments on preliminary findings?
 - Other helpful information?
- Alternating between In-Person & Online sign-up lists.

Link for Providing BOEM Call Area Comments: https://www.boem.gov/renewable-energy/stateactivities/Oregon

