

Welcome!



DLCD

Department of
Land Conservation
& Development

Offshore Wind Energy Roadmap Public Review Meeting

Jeff Burrig, Offshore Wind Roadmap Coordinator



Zoom Webinar Logistics

Public attendees will be muted throughout the webinar and will not be able to unmute themselves until the public Q&A and comment portions of the agenda.

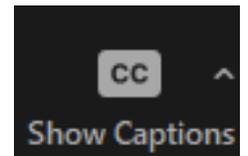
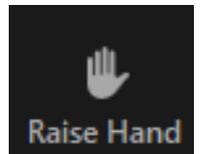
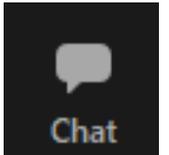
Please use the “Chat” to ask clarifying questions.

- Public comment will not be accepted through the chat feature.

Public comment opportunity will be at approximately 1:00 p.m. pacific time
Public attendees can share verbal comments during this time.

- Use the “Raise Hand” button or press *9 on your phone to enter the queue.
- Please lower your hand once you are done speaking.

Closed Captioning is available.



Technical support: Amanda Macnab at Amanda.L.MACNAB@dlcd.oregon.gov or 971-720-0365

Meeting Agenda:

- Informational Presentation on the Oregon Offshore Wind Energy Roadmap.
- Clarifying Q&A Session
- Public Comment Opportunity
- Adjourn



DLCD
Offshore
Wind
Roadmap
Web Page

Sign up for
Offshore
Wind
emails
from DLCD



Community Meetings

February 25 12:30 to 2:00 p.m.	Virtual Meeting
March 3 5:30 to 7:30 p.m.	Newport Oregon Coast Community College Room CC-140, 400 SE College Way, Newport, OR 97366
March 9 5:30 to 7:30 p.m.	Reedsport Reedsport Community Center Gym, 451 Winchester Ave, Reedsport, OR 97467
March 10 5:30 to 7:30 p.m.	North Bend North Bend Community Center, 2222 Broadway Ave, North Bend, OR 97459
March 11 5:30 to 7:30 p.m.	Brookings Brookings Harbor High School Gym, 625 Pioneer Rd, Brookings, OR 97415
March 18 5:30 to 7:30 p.m.	Astoria Judge Boyington Building, 857 Commercial Street, Astoria, OR 97103
March 19 5:30 to 7:30 p.m.	Virtual Meeting



<https://www.oregon.gov/lcd/OCMP/Pages/Offshore-Wind-Roadmap.aspx>



PUBLIC REVIEW DRAFT



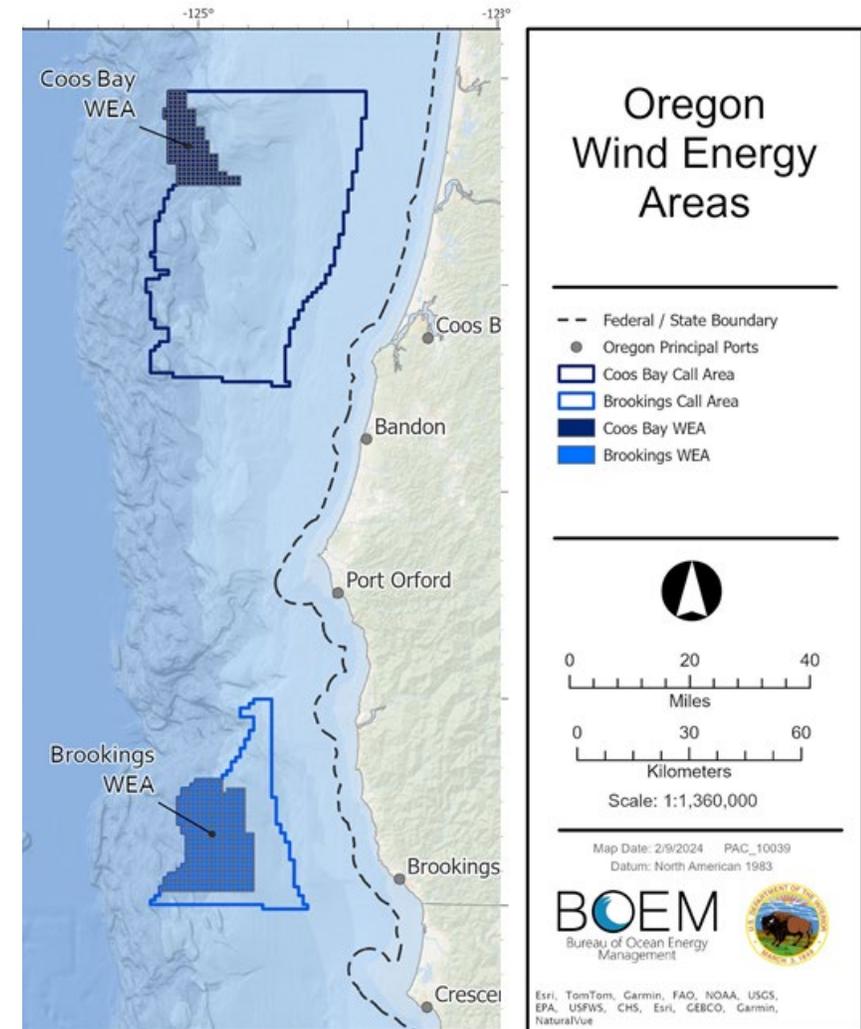
**Public Comment Period
February 17 – April 3, 2026**

Roadmap Sections

1. Roadmap Purpose
2. Background on Offshore Wind Energy
3. Guiding Principles and Objectives for the Roadmap
4. Alternative Futures Considered/
Pathways to Alternative Futures
5. Enforceable Policy Analysis
6. Recommended Actions

Where are we with Offshore Wind?

- Oregon legislature passed HB4080 (2024), directing creation of a state Offshore Wind Energy Roadmap.
- Leasing off Oregon did not happen in 2024.
- January 2025 Executive Memorandum halted further leasing in federal waters.
- California still moving forward with exploration of five lease areas.
- Washington focus is on supply chain support



Roadmap Purpose

Enrolled
House Bill 4080

Sponsored by Representatives GRAYBER, GOMBERG; Representatives ANDERSEN, BOWMAN, DEXTER, EVANS, FAHEY, GAMBA, HELM, HOLVEY, HUDSON, KROPF, LEVY E, LIVELY, MARSH, NGUYEN D, NGUYEN H, NOSSE, PHAM K, TRAN, WALTERS, WRIGHT, Senators CAMPOS, DEMBROW, FREDERICK, GELSER BLOUIN, GOLDEN, PATTERSON, TAYLOR (Presession filed.)

- Includes labor standards applicable to offshore wind projects
- DLCD to lead **Offshore Wind Roadmap**
“Define standards to be considered in the processes related to offshore wind energy development and approval.”
- DLCD to **Evaluate Oregon Enforceable Policies** for offshore wind energy and make recommendations

What is the Roadmap?

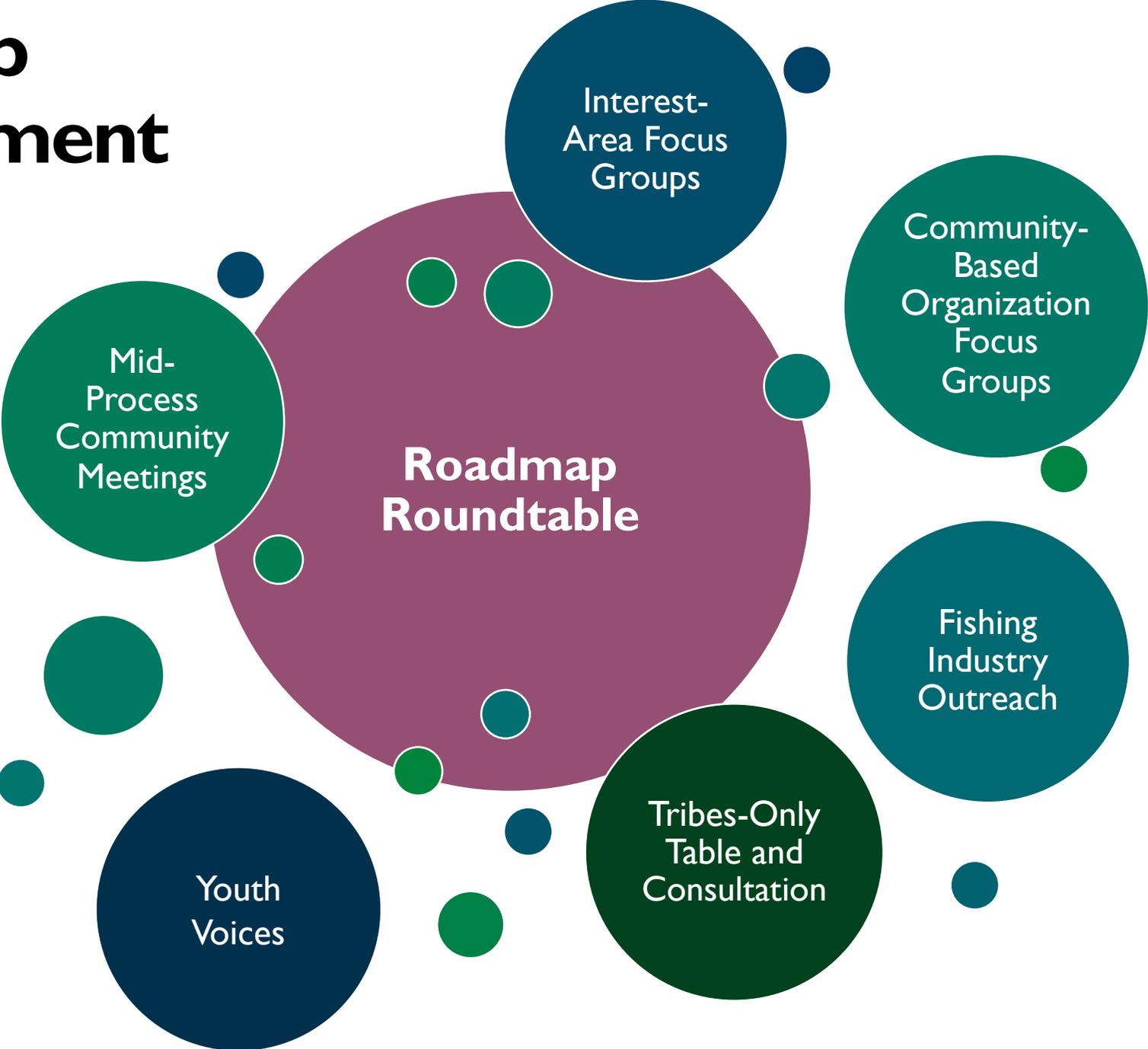
The Roadmap DOES:

- Consider **different futures** and the best paths to get there (scenarios include both “with turbines” and “without turbines”).
- Recommend **policies to address gaps** related to environment, energy, communities, or other state values and interests.
- **Recommend actions** the state could take to be better positioned for offshore wind decision-making or investment.
- **Identify staff and funding needs** for state agencies, local governments, and tribes.

The Roadmap DOES NOT:

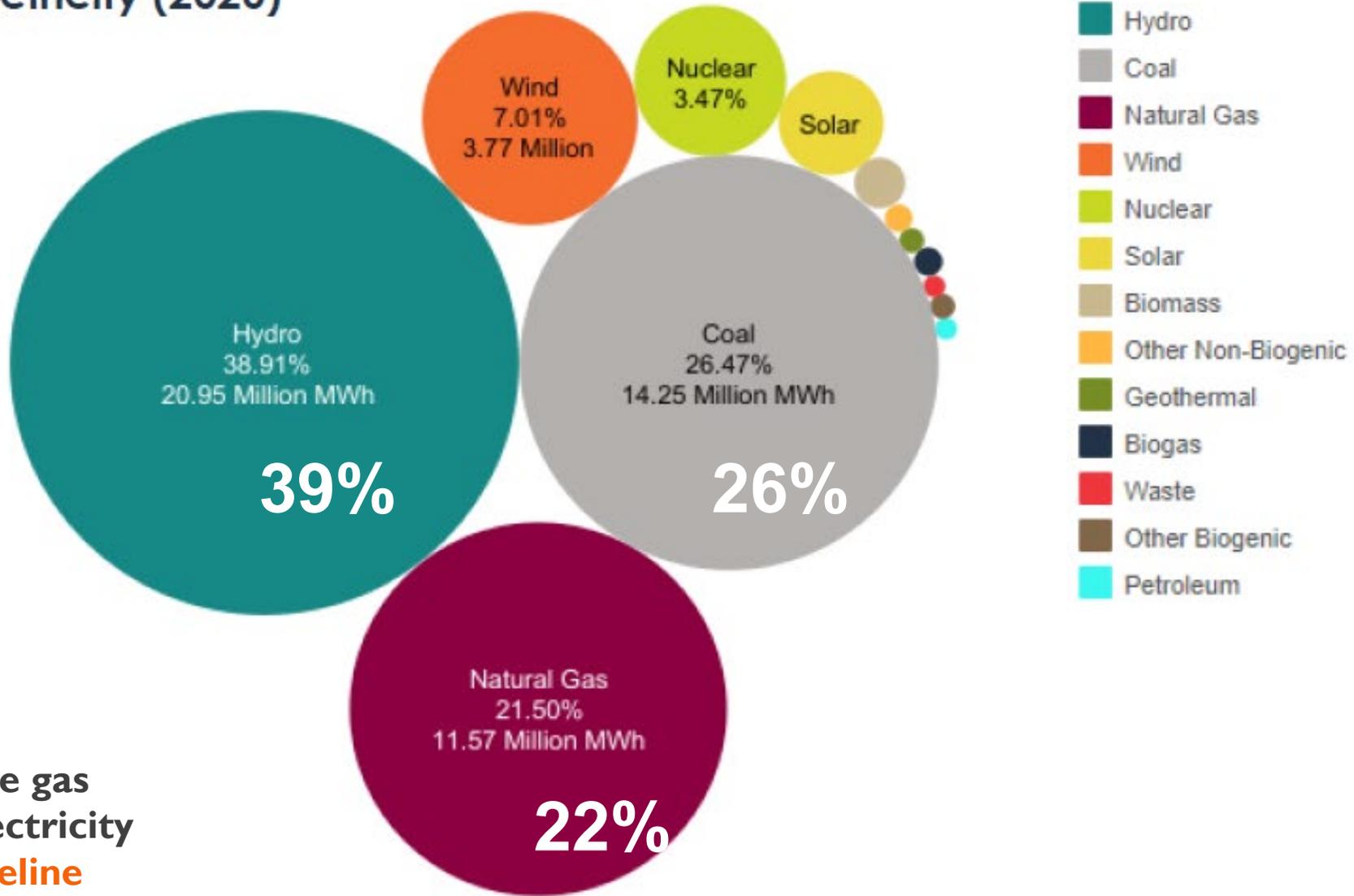
- Approve offshore wind energy off the Oregon coast
- Decide whether or not Oregon will move forward on offshore wind.
- Create new policies by itself.
- Answer questions or make decisions about the effects of offshore wind.
- Commission studies or scientific research. (but it includes a research agenda concept)

Roadmap Development Process



Background on Offshore Wind Energy for Oregon

Resources Used to Generate Oregon's Electricity (2020)

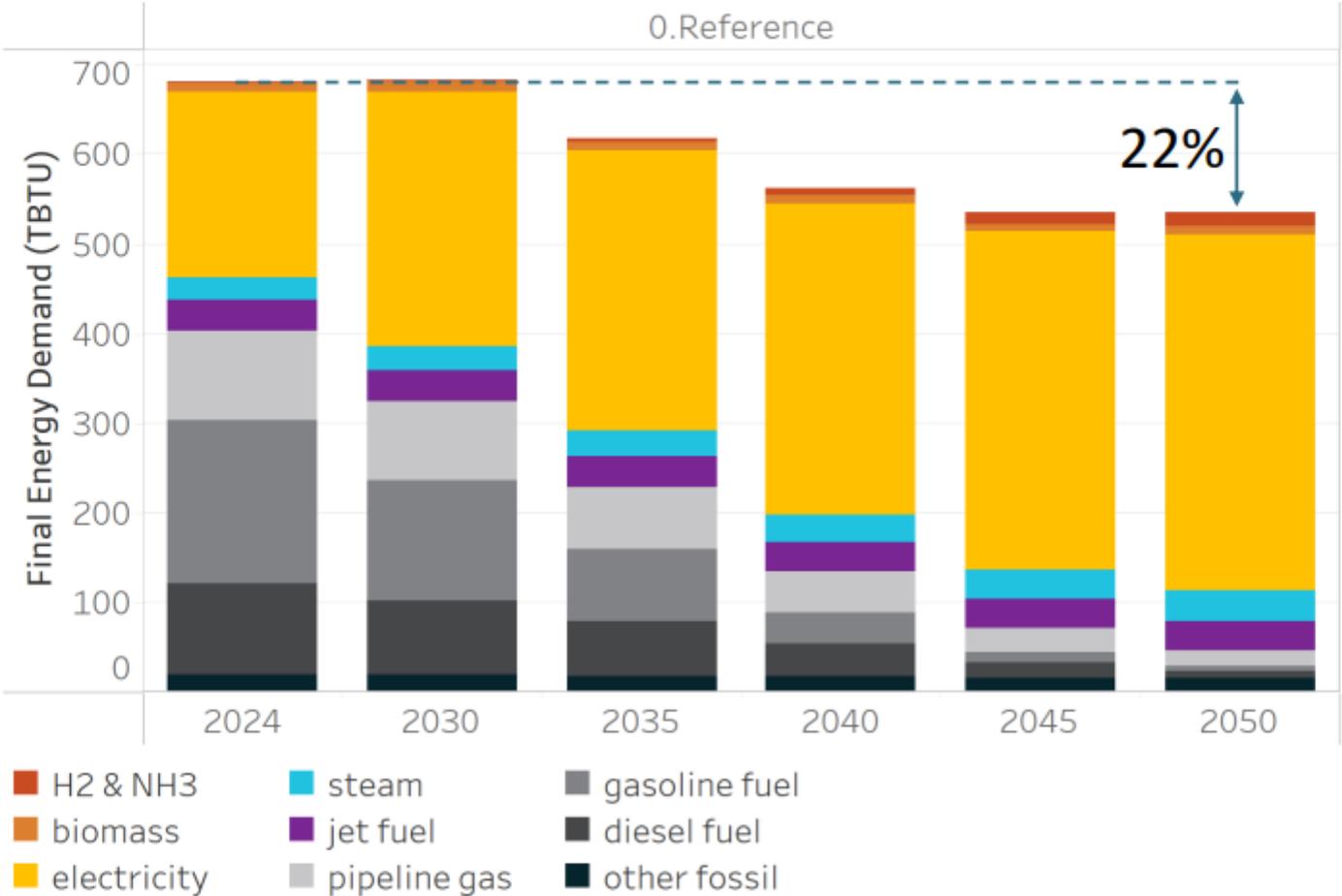


HB 2021:
 Reduce greenhouse gas emissions from electricity to **100% below baseline emissions levels by 2040**

Demand for Fossil Energy Decreases, Demand for Electricity Increases



Energy Demand by Fuel in Oregon



Total energy demand decreases by 22%

Electricity demand doubles

Note: "other fossil" includes fuel oil, lpg, oil, coal, and petroleum coke. Steam is a heat input to many industrial processes. Like electricity, it can be generated from clean or dirty sources.

Oregon's Potential Wind Resource

- Winds higher than 15 mph average (7 m/s) are viable for offshore wind energy production
- Winds offshore are more consistent and predictable than onshore, which is good for the grid.
- Wind patterns are a good match to Pacific Northwest seasonal energy demand
- Steep shelf = deeper water = floating platforms



How much offshore wind?

Oregon House Bill 3375 created a planning goal for up to 3 GW of floating wind by 2030 but does not include a mandate.

Key Takeaways:

- All areas offshore Oregon have viable wind speeds for offshore wind.
- The coast has five transmission paths to the valley
- The current coast grid can accept **2.6 Gigawatts** of new generation, which would meet ~84-89% of coast demand

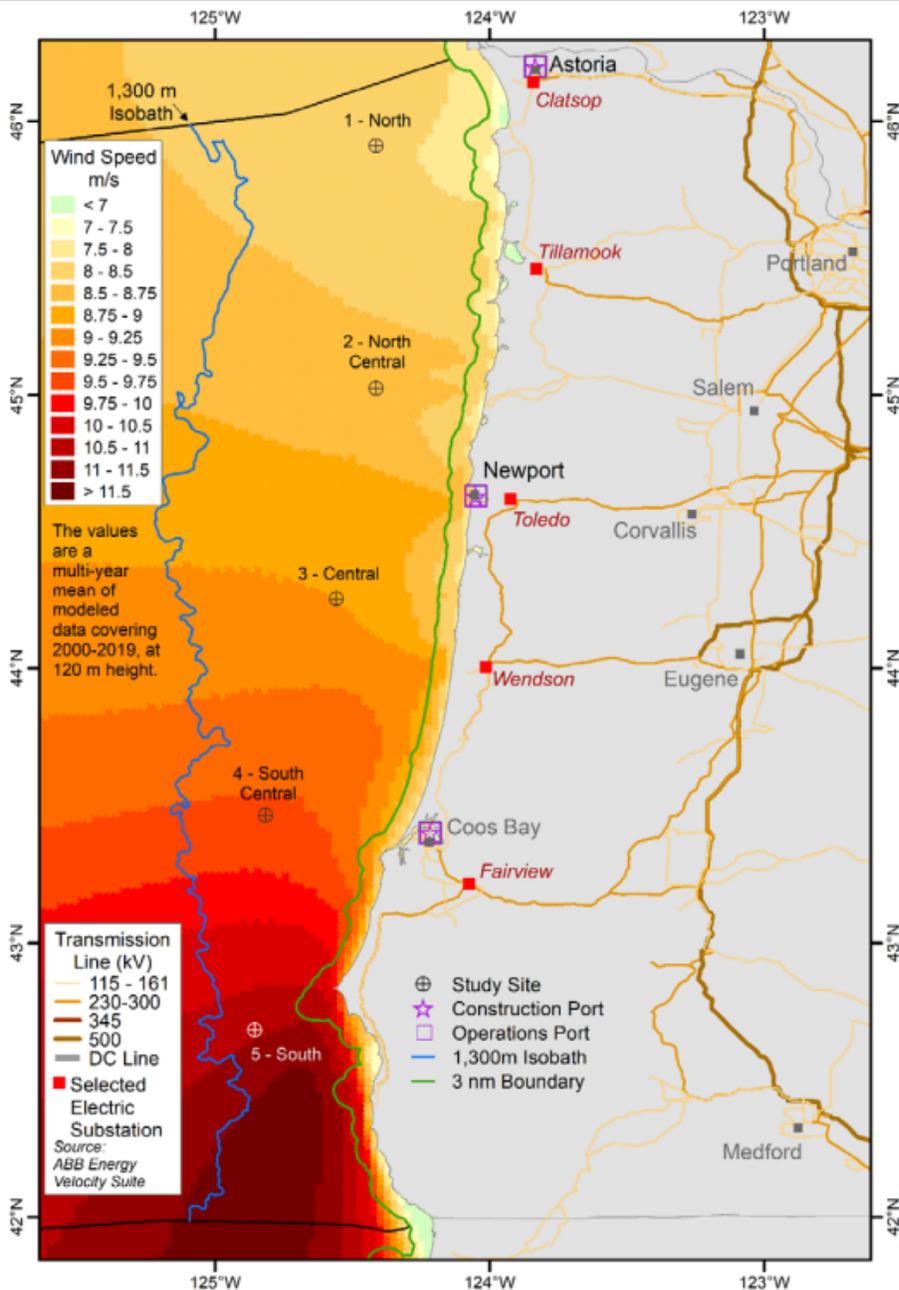


Figure ES- 1. Map of the trans-coastal transmission lines, which connect the offshore wind interconnection points to the 500-kV line connecting Medford, Eugene, and Portland (the I-5 corridor in the Willamette Valley).

Source: NREL, 2021. *Evaluating the Grid Impact of Oregon Offshore Wind*
<https://www.nrel.gov/docs/fy22osti/81244.pdf>

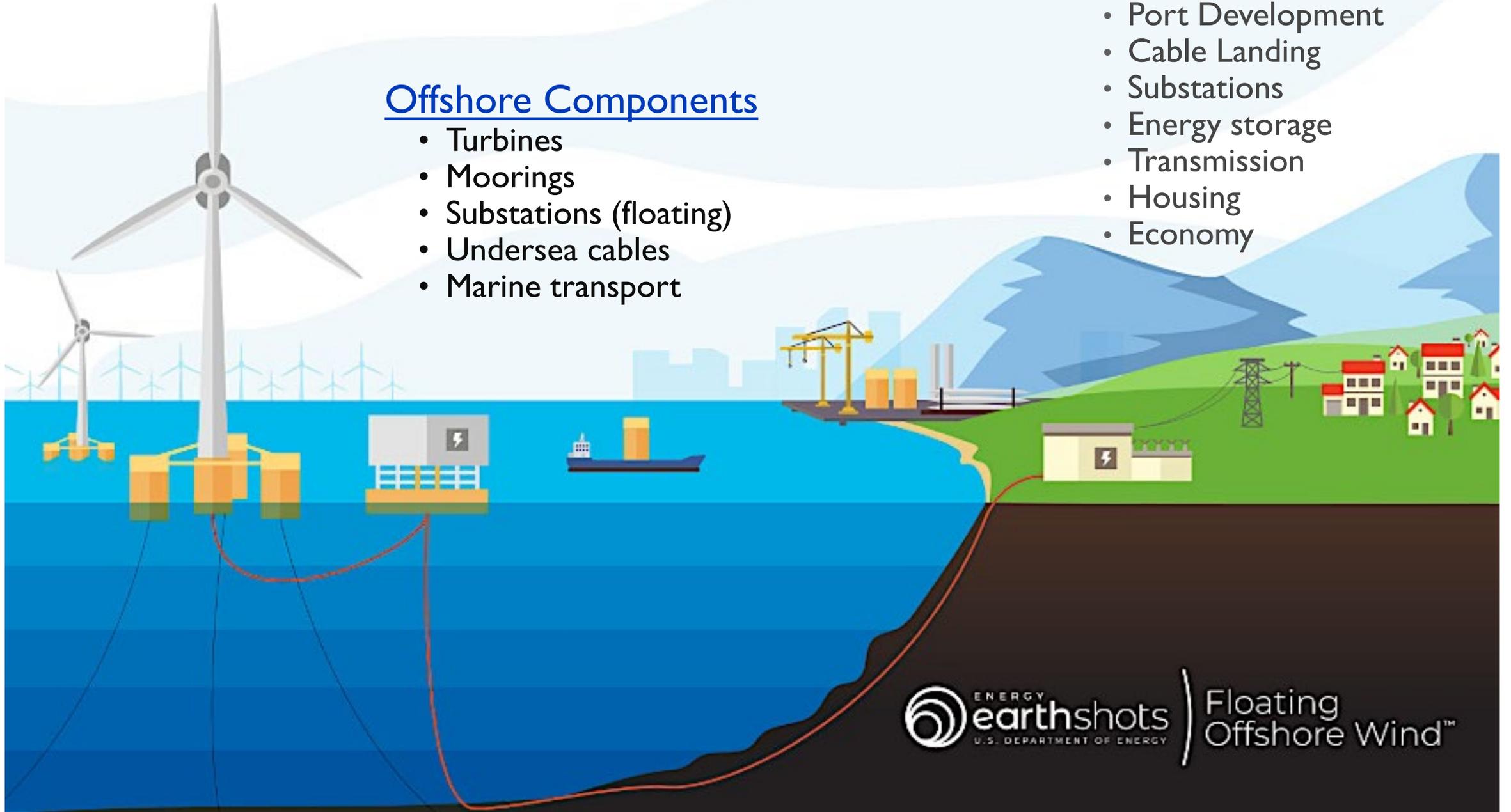
Effects to Coastal Uses or Resources

Offshore Components

- Turbines
- Moorings
- Substations (floating)
- Undersea cables
- Marine transport

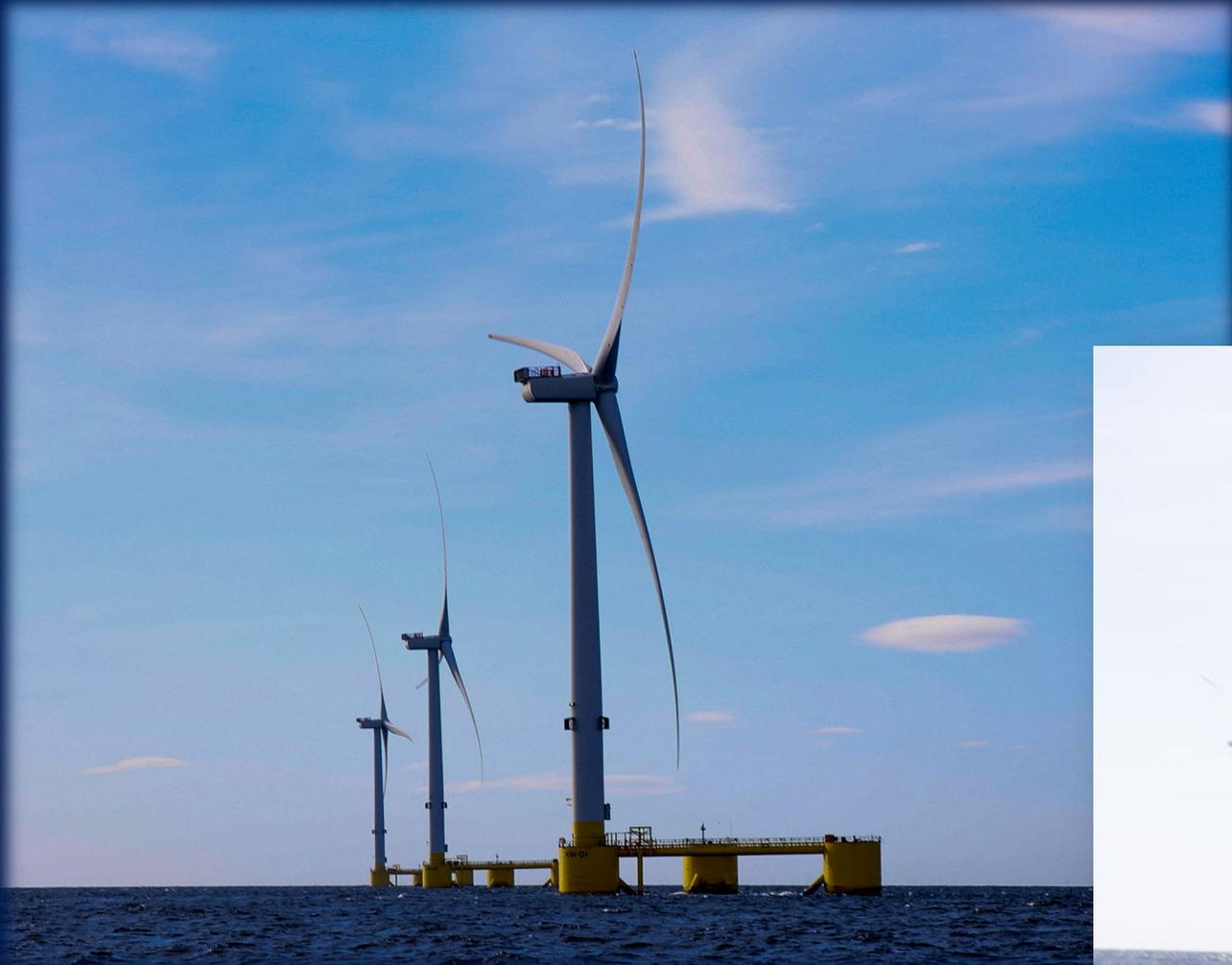
Onshore Components

- Port Development
- Cable Landing
- Substations
- Energy storage
- Transmission
- Housing
- Economy





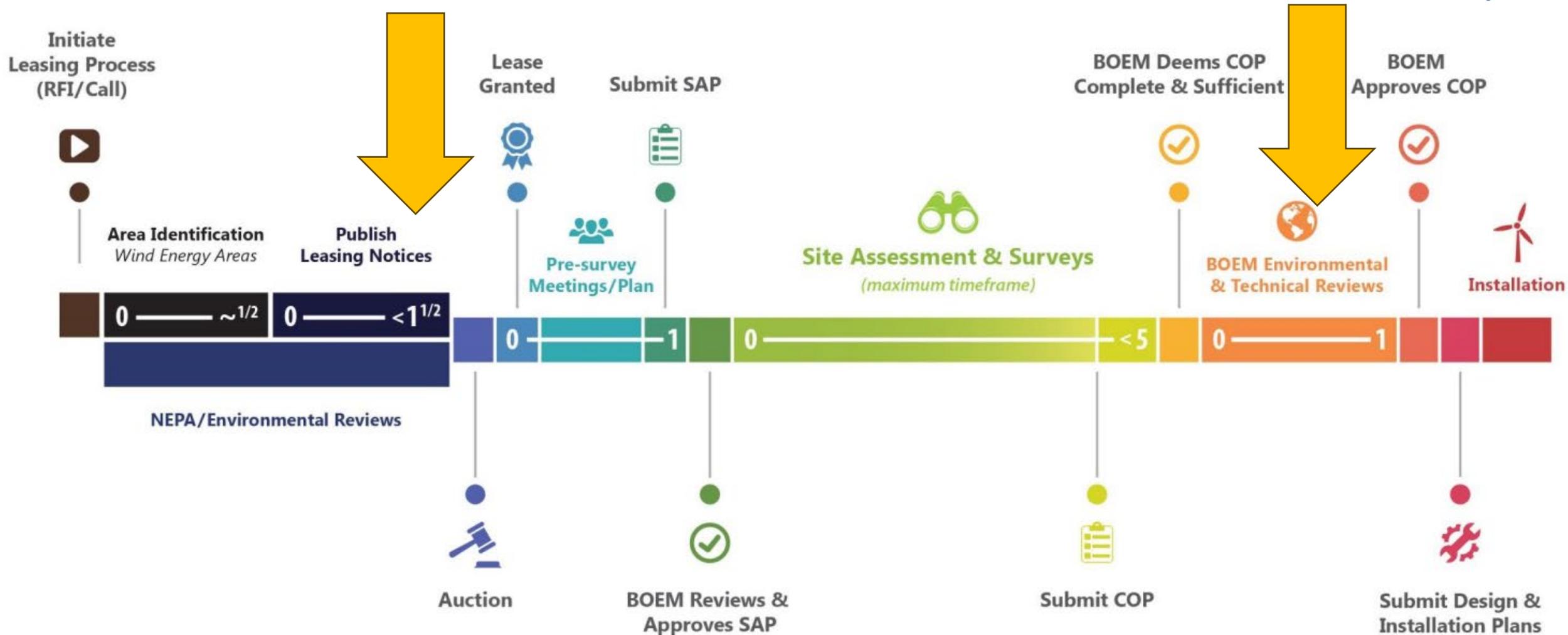




BOEM Offshore Wind Process

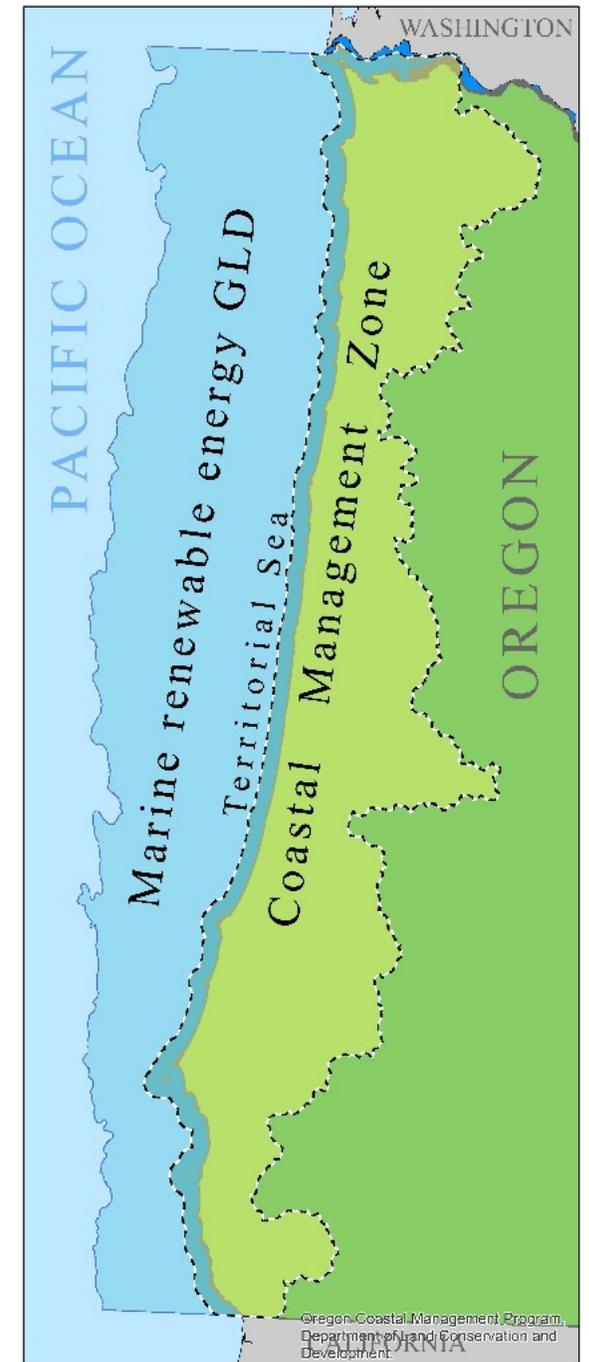
State Consistency Review of Lease Decision

State Consistency Review of Actual Offshore Wind Project



Where does Federal Consistency apply?

- Entire coastal zone
- Any projects that have reasonably foreseeable impacts to coastal resources
- Federally approved Geographic Location Descriptions (GLD)
 - Oregon has one specific to Marine Renewable Energy activities, extending out to 500 fathoms (3,000 ft) ocean depth
- Federally owned lands in some cases





What Coastal Effects are Subject to State Review?

Review is required when there are reasonably foreseeable effects, including indirect and cumulative effects

Key Coastal Uses and Resource areas:
cultural, natural, economic, recreational, and aesthetic

Objectives and Guiding Principles

Achieve energy and climate objectives



Support coastal communities

Protect the environment and species



Support and sustain economic opportunity

Protect cultural resources



Position an offshore wind workforce



Guiding Principles for the Roadmap

Meaningful Engagement

Offshore wind energy decisions will only be fair if the people most affected can influence them—tribes, fishing communities, local governments, and coastal residents. Engagement must be ongoing, accountable, and responsive, not limited to formal comment periods.

Credible Information

There are significant gaps in ecological, cultural, community, economic, grid, and transmission data. The state needs a reliable, Oregon-specific knowledge base for making informed decisions about whether and how to pursue offshore wind energy.

Regionally Considered and Coordinated

States share species, fishing grounds, supply chains, port infrastructure, and grid systems. Coordination with California and Washington is critical for research, transmission, energy markets, and supply chains to work.

Holistic and Accountable

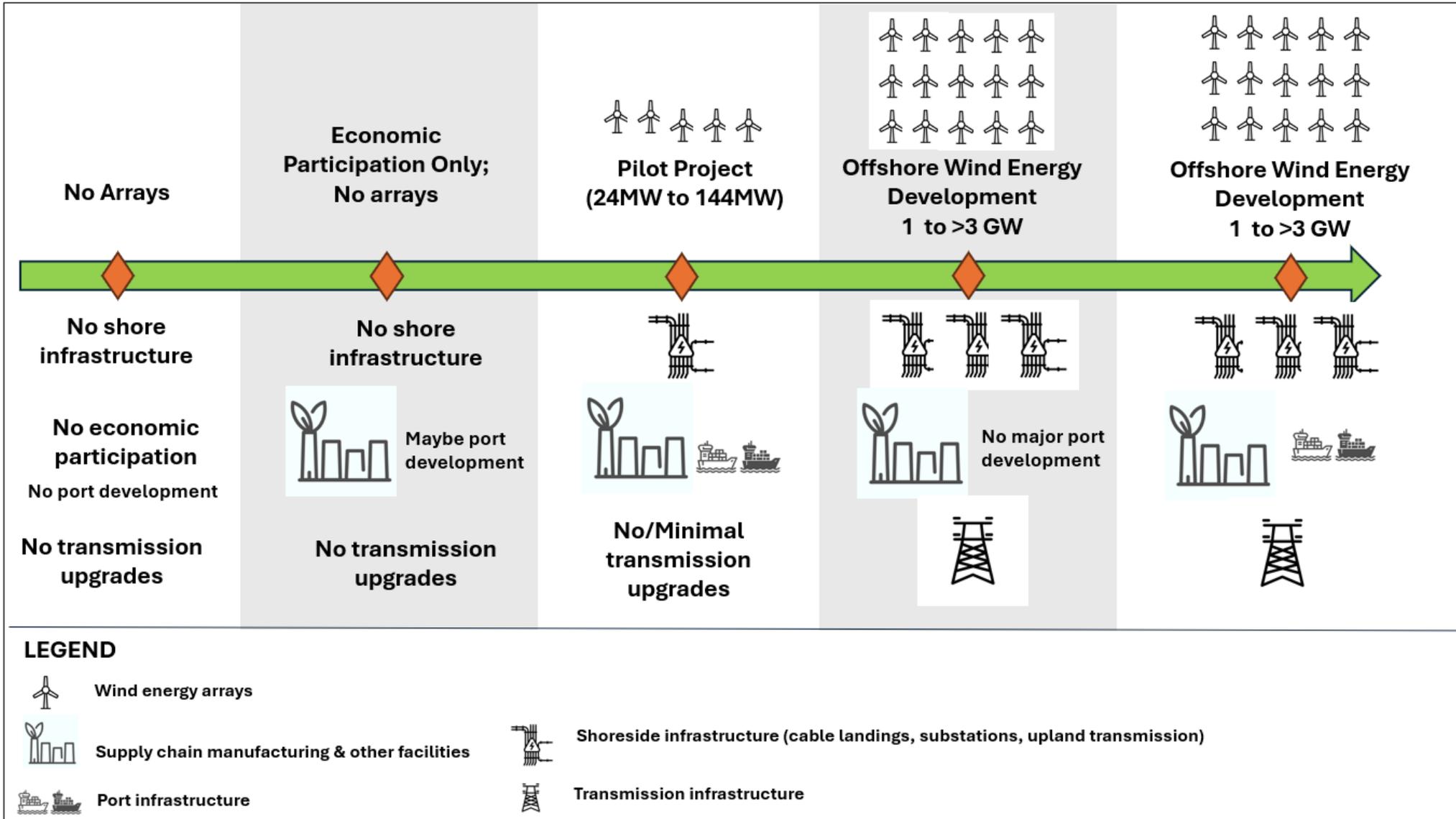
Oregon needs to approach decisions with a broad view that accounts for the cumulative effect of our actions in a changing system and takes responsibility if the effects of actions are different from what we planned.

Alternative Futures

Alternative Futures in the Roadmap

- Five futures considered, with turbines and without
- Benefits and considerations to each
- The paths to these futures have similarities and differences
- Policies and actions can prepare us for future paths
- Offshore wind energy proposals may come no matter what we choose
- We may start on the path to one future and change later

Alternative Futures Considered in the Roadmap



Pathways



Siting & Planning

Leasing

Permitting

Construction

Operations

Renew Lease/
Decommission

Meaningful engagement
 Good information
 Regionally coordinated and considered
 Holistic and accountable

Four principles through every phase



"Checkpoints" at each phase where certain accomplishments need to be in place before moving forward



Achieve energy and climate objectives



Protect the environment



Protect cultural resources



Support communities



Support and sustain economic opportunity



Position an offshore wind workforce

- Consider other coastal economic development opportunities



- Strengthen HB 4080 labor standard enforceability

ALTERNATIVE FUTURE



No Offshore Wind Energy



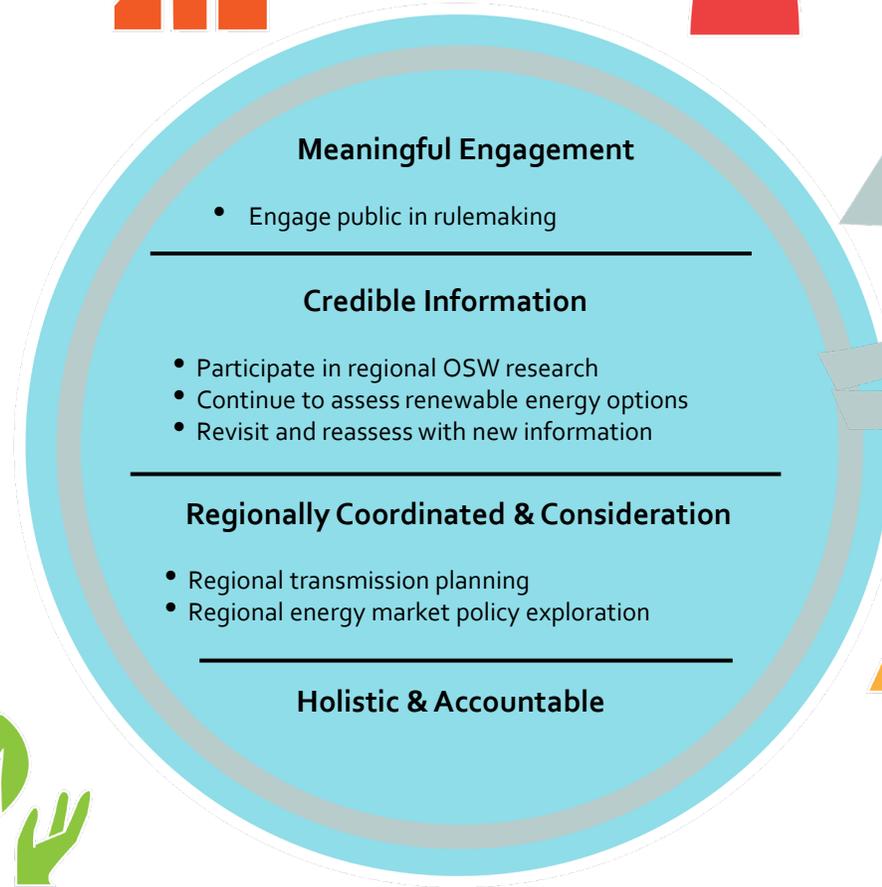
- Sustain existing economic drivers
- Strengthen local energy resiliency through regional coordination



- Cultural resource protection for other coastal development



- Strengthen protection policies
- Support ongoing ocean research



Iterate with more information

Switch to a different path



- Oregon Energy Strategy recommendations on transmission, regional energy markets
- Meet energy and climate goals without OSW

ALTERNATIVE FUTURE



Economic Participation Only in Offshore Wind Energy

- Secure demand pipeline
- Accomplish necessary port upgrades



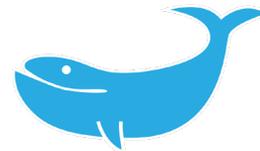
- Strengthen HB 4080 labor standard enforceability
- Quantify job benefit potential
- Meet training standards
- Establish enforceable agreements



- Integrate community service and infrastructure needs to support economic opportunity development



- Cultural resource protection for other coastal development
- Explore Tribal business partnership opportunities



- Evaluate effects of any new shoreside development



Iterate with more information

Switch to a different path



- Oregon Energy Strategy recommendations on transmission, regional energy markets
- Meet energy and climate goals without OSW

Siting & Planning

- Leasing
- Permitting
- Construction
- Operations
- Renew Lease
- Decommission

• Port infrastructure & supply chain readiness plan



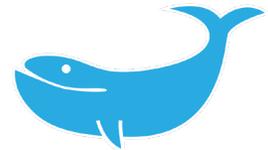
• Framework for enforceable agreements
• Quantify job benefits



- Study community investment needs



- State-led Marine Spatial Planning
- Sensitive cultural information protected
- Incorporate indigenous knowledge with data sovereignty protections



- State-led Marine Spatial Planning
- Research Agenda
- Research Collaborative

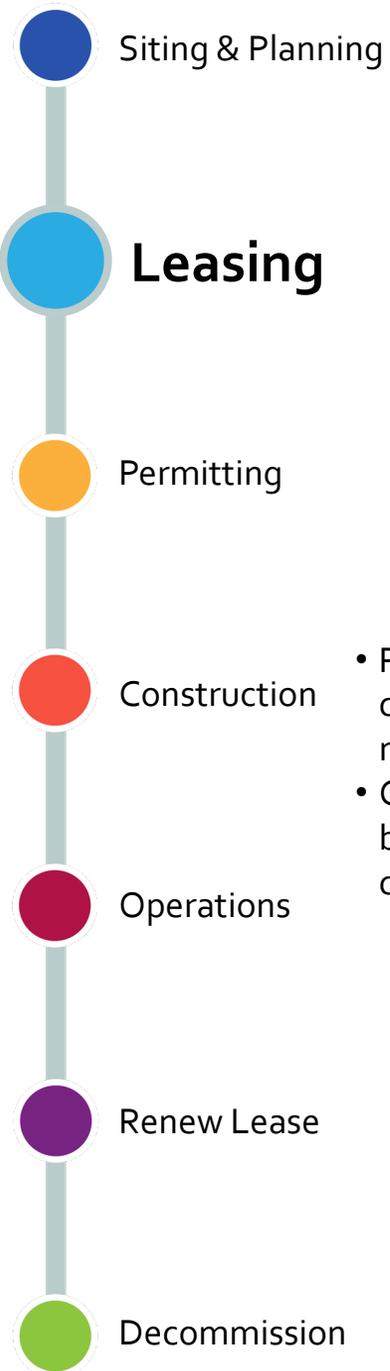
Iterate with more information

Switch to a different path

Proceed to Leasing



- Analyze offshore wind cost/benefit system value
- Market signals (policies, regional markets, incentives) reduce development risk
- Transmission needs identified and achievable



• Port infrastructure & supply chain plans



• Negotiations planned for enforceable agreements



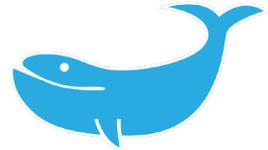

• Planning to meet community investment needs

• Coordination to convene benefit agreement conversations




• Interests protected

• Consider Tribal stewardship agreements



• Cumulative effects analysis

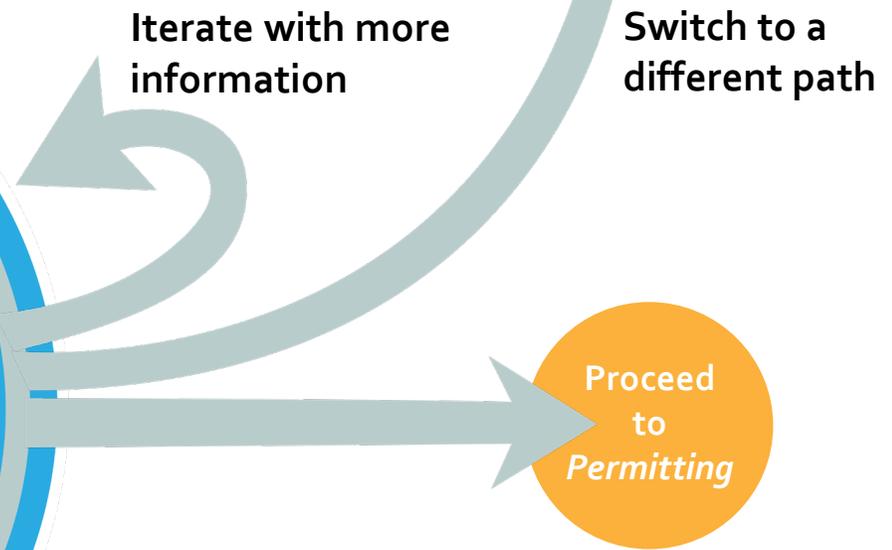
• Lease site surveys will meet policies

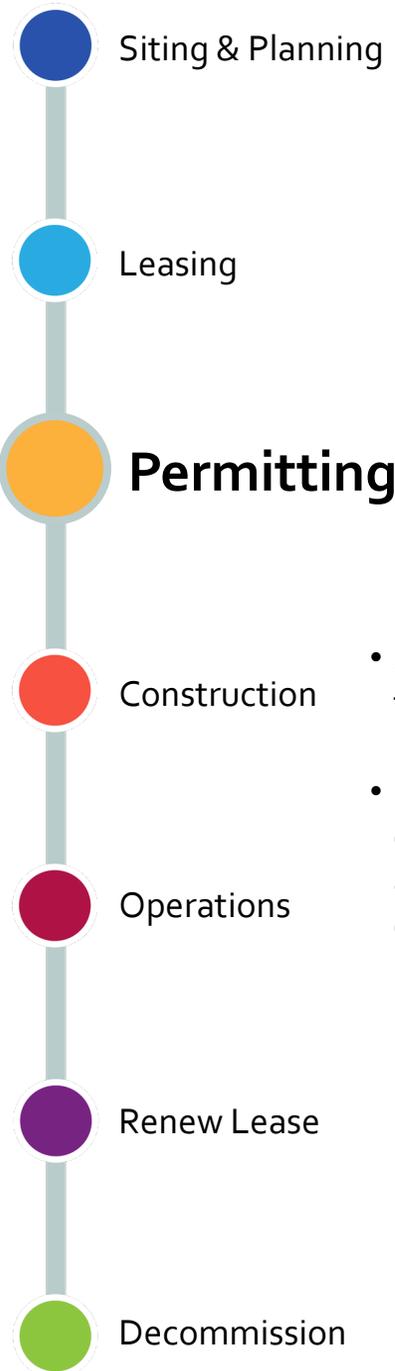


• Market signals that leasing is desired

• Consider pilot or state/community owned lease

• Transmission plans





- Port infrastructure & supply chain plans integrated into decision package



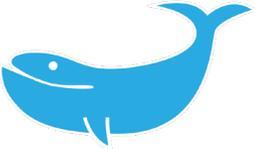
- Enforceable agreements in place



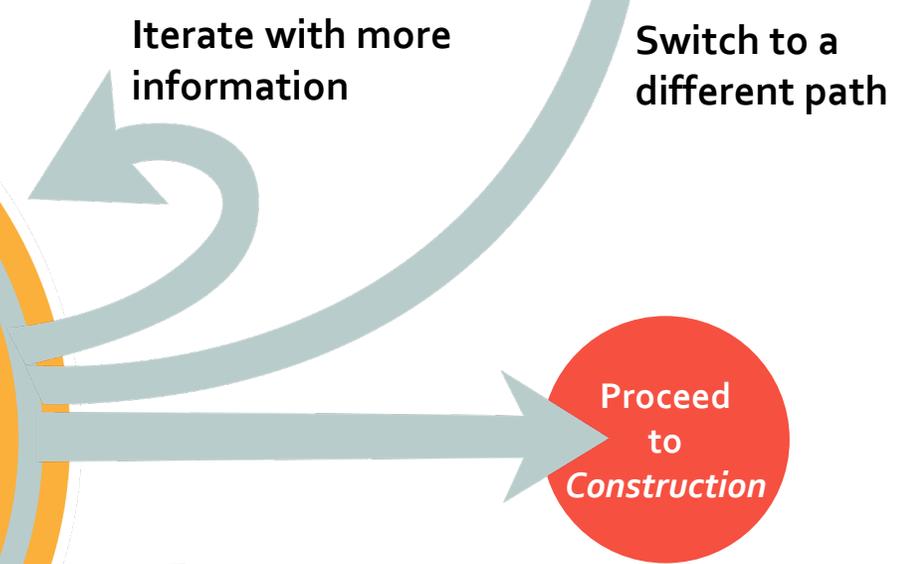

- State incentives for community investment needs
- Community/fisheries enforceable agreements are in place to benefit communities and mitigate potential harms



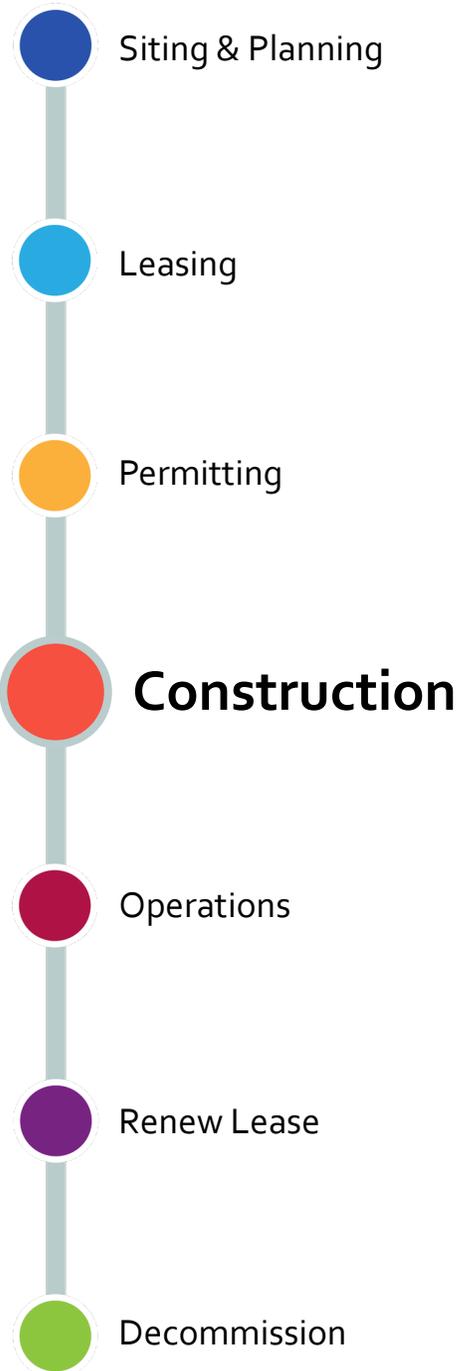
- Tribal engagement and inclusion in decision process
- Interests protected via agreements



- Effects evaluation
- Mitigation
- Enforceable Adaptive Management
- Incident response plan & bonding
- "Return to Nature" decommissioning plan.




- Transmission landing in Oregon



- Supply chain secured and affordable



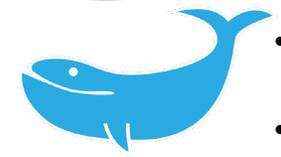
- Workforce training
- Enforceable agreements in place




- Investment in housing and other services
- Community agreements in place



- Ongoing Tribal engagement and inclusion



- Monitoring and Adaptive Management
- Emergency Response Plans are in place



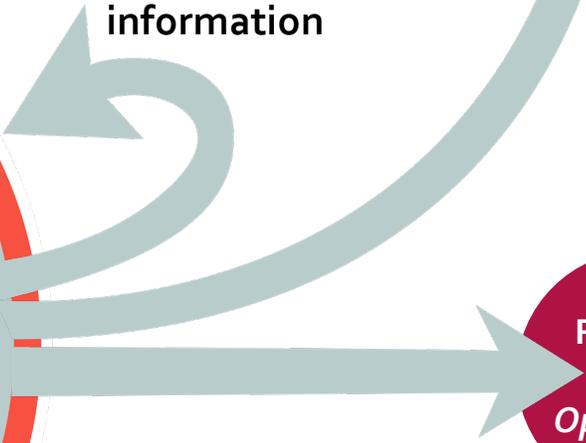
- Power purchase agreements
- Support infrastructure in place

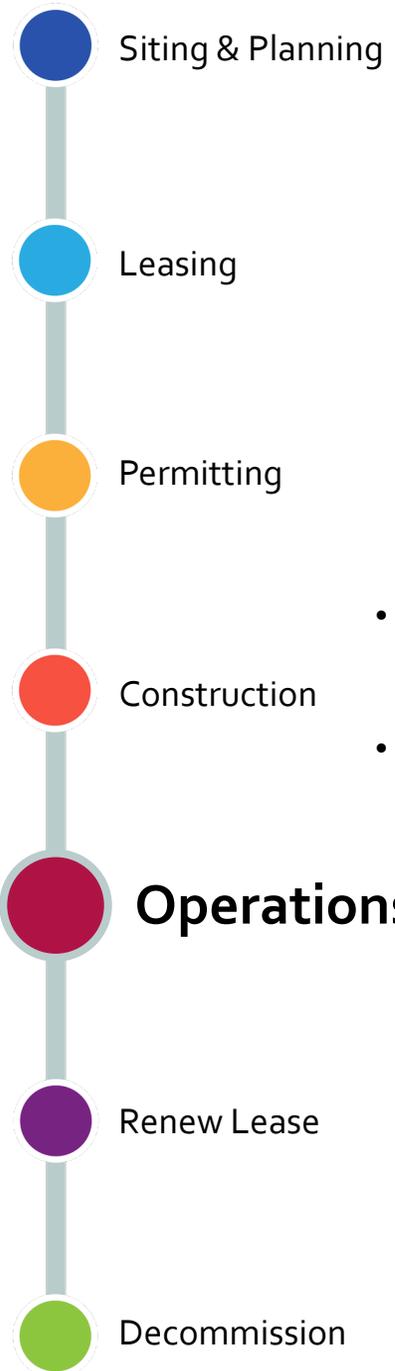


Iterate with more information



Switch to a different path



- Supply chain secured and affordable

- Workforce training
- Enforceable agreements in place

- Investment in housing and other services
- Community agreements in place



Iterate with more information

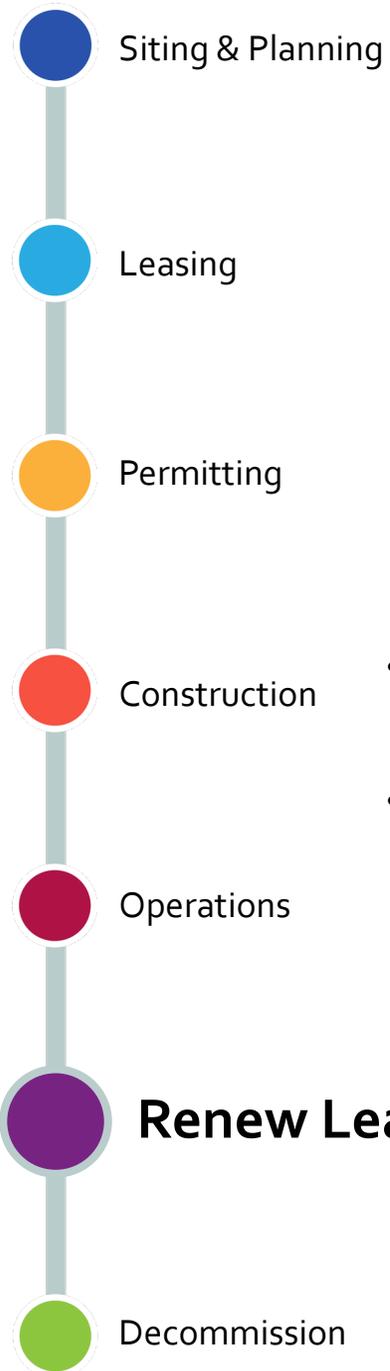
Switch to a different path

- Power purchase agreements
- Support infrastructure in place



- Ongoing Tribal engagement and inclusion

- Monitoring, Reporting, Adaptive Management
- Emergency response and notification procedures



- Port planning to support shoreside decommissioning



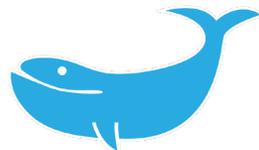
- Evaluate need to amend workforce agreements



- Update community and economic effects information
- Evaluate need to amend community agreements



- Ongoing Tribal engagement and inclusion
- Interests protected via agreements



- Updated cumulative environmental effects information from monitoring and operation experience



Iterate with more information



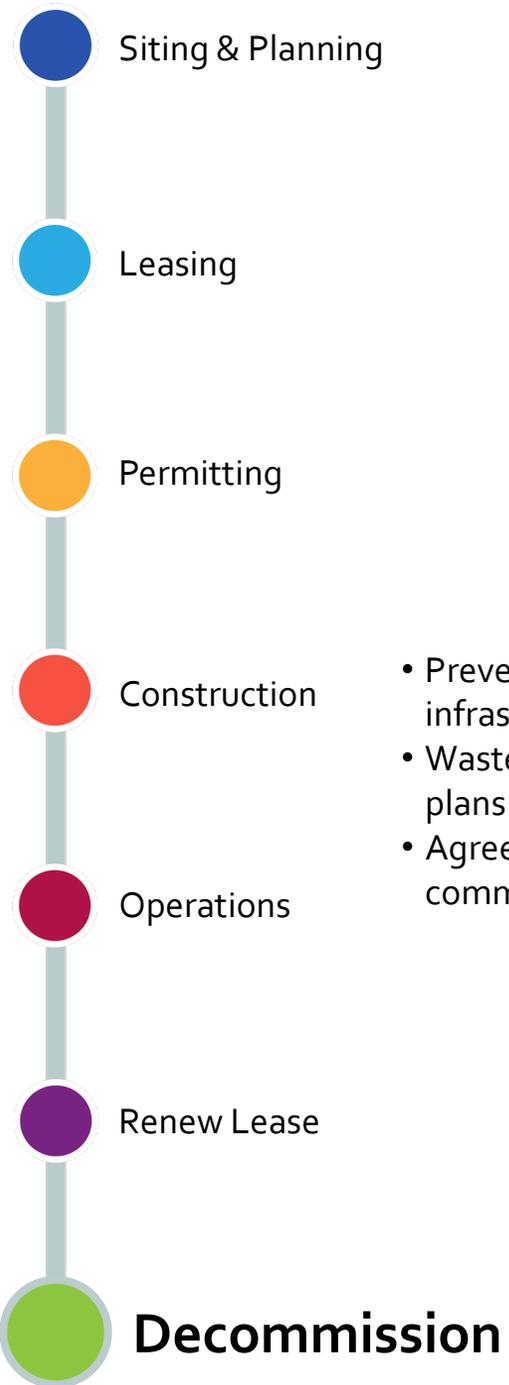
Switch to a different path



Proceed to Permitting



- Power purchase agreements
- Support infrastructure in place



- Port planning to support shoreside decommissioning



- Workforce training
- Enforceable agreements in place



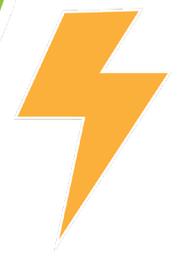
- Prevent abandoned infrastructure
- Waste management plans
- Agreements address community effects



Iterate with more information



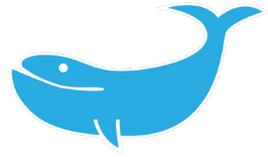
Switch to a different path



- State energy needs met by other sources
- Plan to continue utilizing coastal transmission upgrades



- Tribal consultation on decommissioning plan



- Component removal and site restoration to extent possible
- Decommissioning actions protective of environments

Policy and Capacity Analysis

Enforceable Policy Assessment

Outcome

- Oregon's existing Enforceable Policies generally provide good protection for its ocean resources and users from the adverse effects of offshore wind energy development.
- Minor updates and targeted policy changes can strengthen Oregon's influence.

Gap areas

- Visual resource standards
- Community agreement requirements
- Labor standards
- Cultural resource protection and tribal data sovereignty
- Energy policies for regional markets, emerging technology, interstate equity
- Connecting offshore and onshore decisions
- Strengthen general fishery protection standards
- Adaptive management plan requirements
- Decommissioning plan requirements
- Require cumulative impact assessment before leasing

From Effects to Standards



Action Recommendations

Key Messages for Policymakers (Draft)

1. Oregon should initiate state or local rulemaking in the near term to address policy gaps identified in the Roadmap.
2. Oregon should develop an offshore wind energy research agenda to secure reliable and trustworthy data to inform future energy development.
3. Oregon should establish an offshore wind energy science collaborative that involves a broad spectrum of interests and potentially affected communities.
4. Oregon should participate in the West Coast Science Collaborative, established by California, to share lessons learned and look for opportunities to coordinate research.

Key Messages for Policymakers (Draft)

5. Oregon should consider leading its own marine and coastal spatial planning process to identify what, if any, areas offshore are suitable for offshore wind energy development based on state policies and interests.
6. Oregon should explore policies and investments that support regional energy markets, state-led power procurement, and grid improvements to increase coastal resilience and meet state energy objectives.
7. Oregon will need to increase capacity and expertise within state agencies, local governments, and Tribal governments to be ready for offshore wind energy development.
8. Tribal consultation should be integrated into research and analysis from the beginning, not added after the fact. Tribal data sovereignty is an important safeguard to maintain. Tribal cultural resources should be protected.

Key Messages for Policymakers (Draft)

9. Communities - including cities, counties, Tribes, fisheries, labor groups, environmental justice communities, and others - need a formal, ongoing, well-resourced, and enforceable way to participate in offshore wind energy processes, with their interests addressed through community agreements.
10. Economic opportunities related to supplying materials and services for offshore wind energy development could have benefits, regardless of whether Oregon hosts offshore wind turbines in the future. The state should collaborate with West Coast neighbors on floating offshore wind energy economic opportunities.
11. Oregon should continue to evaluate all renewable energy options, including a thorough cost-benefit analysis to determine whether and when different levels of investment in offshore wind energy are prudent.

Roadmap Section 6.8 Action Summaries

#	Title	Timeline	Importance by Pathway				Lead	Partners	Funding
			No OSW	Econ Only	Pilot	Turbines			
11	Address transboundary energy issues and opportunities with California, Washington, and other western states related to offshore wind energy costs and benefits	Long-term (5+ yrs)	Low	Medium	High	High	Gov Office	ODOT; Ports; Local govt; Labor; DLCDC; WA/CA partners; BOEM	TBD
Strategy: Explore Policies and Investments to Create a Future Energy System that Can Meet Oregon's Energy and Climate Goals Prepare for Offshore Wind Energy Potential									
12	Support investments and planning for grid infrastructure to increase resilience and facilitate new energy options.	Short-term (0–3 yrs) + Ongoing	High	High	High	High	Legis.; ODOE	PUC; BPA; Utilities; CA/WA agencies; DLCDC; BOEM	\$10M+
13	Explore potential economic incentives, energy planning policies, procurement frameworks and authorities, or other amendments to Oregon energy policy that might attract and facilitate long lead-time resources such as offshore wind energy.	Short-term (0–2 yrs)	Medium	Medium	High	High	Legis.; ODOE	PUC; BPA; Utilities; CA/WA agencies; DLCDC; BOEM	TBD
14	Consider policy that would require offshore wind energy off the coast of Oregon to connect to the Oregon Coast grid.	Short-term (0–3 yrs)	Low	Low	Medium	High	Legis.; DLCDC	ODOE; PUC; BPA; Utilities; CA/WA agencies	Existing
Strategy: Improve Understanding of Offshore Wind Potential Benefits and Costs for Oregon to Clarify Investment Decisions									
15	Continue to refine the Oregon Energy Strategy to account for changing conditions related to offshore wind energy technology and the regional energy market.	Ongoing	Medium	Medium	High	High	ODOE		TBD
16	Complete coastal and state-wide socioeconomic studies to quantify and refine the economic costs and benefits and job opportunities from offshore wind energy for Oregon.	Long-term (5+ yrs)	Medium	Medium	High	High	BIZOR	Ports; Local govt; Labor; DLCDC; WA/CA partners; BOEM	\$1-3M
17	Evaluate energy infrastructure needs more holistically to determine what role offshore wind energy and other renewables can play in improving energy resilience and reliability.	Long-term (5+ yrs)	Medium	Medium	High	High	ODOE	BIZOR; PUC; Utilities	TBD

How can public comments
be most effective?

How can public comments be most effective?

- Consider whether the **Guiding Principles** are appropriate and well-reflected in the Roadmap.
- Identify **Benefits and Considerations** to flesh out the alternative futures.
- Tell us if the **Pathways** are missing essential process steps, information needs, agreements, or assurances to meet the Roadmap **Objectives**.
- Focus on **Policies** the state should consider to protect an interest or capture a benefit.
- Review the **Recommended Actions** in terms of completeness, priority, or missing essential elements.

Public Process Plan

- Public comment period
February 17 – April 3
- Public meeting planning
 - 2 virtual meetings
 - 5 in-person
- Tribal consultation
- Youth Voices on Offshore
Wind for Oregon

DLCD Offshore Wind Energy Roadmap Community Meetings		
Date	Time	Location
February 25	12:30 to 2:00 p.m.	Virtual Public Meeting
March 3	5:30 to 7:30 p.m.	Newport Oregon Coast Community College Room CC-140 400 SE College Way, Newport, OR 97366
March 9	5:30 to 7:30 p.m.	Reedsport Reedsport Community Center Gym 451 Winchester Ave, Reedsport, OR 97467
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March 18	5:30 to 7:30 p.m.	Astoria Judge Boyington Building 857 Commercial Street, Astoria, OR 97103
March 19	5:30 to 7:00 p.m.	Virtual Public Meeting



Questions?



Jeff Burrigh 

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www.OregonOcean.info 

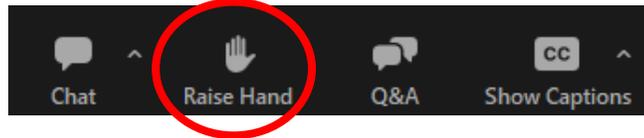
www.oregon.gov/lcd/OCMP

<https://ocmp.info/federalconsistency>

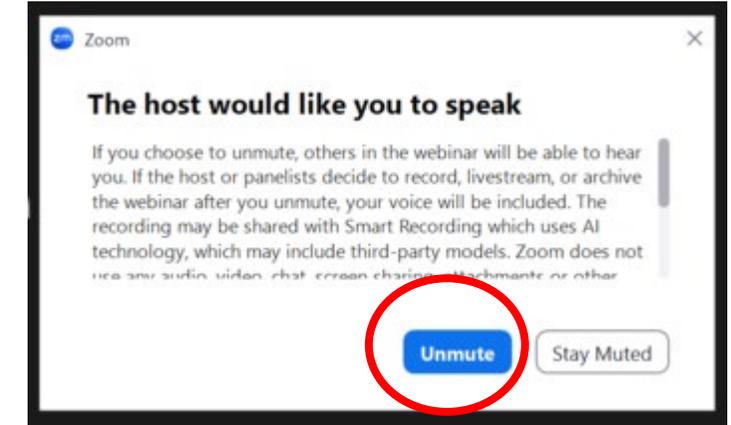
OCMP

Public Hearing

Verbal Public Comment Opportunity for the Offshore Wind Energy Roadmap



- Raise your hand to join the queue.
- We will call on you when it is your turn to speak.
- You will then be unmuted.
 - If you are a phone call-in user, dial *9 on your phone to raise hand
 - If unable to speak, email Amanda.L.Macnab@dlcd.Oregon.gov for technical assistance.
- Provide your full name and affiliation before you speak
- When providing comments, please:
 - Respect time limits as assigned.
 - Use respectful language.



3:00