

WASHINGTON COASTAL MARINE ADVISORY COUNCIL MEETING

Wednesday September 13, 2023

Part 1 from 9:30am – 12:00pm

Part 2 from 1:00pm – 3:00pm

[Streaming and recording link](#)

[Link to Materials](#)

[Public Comment Sign-up](#)

Zoom link: <https://us02web.zoom.us/j/87673997551?pwd=Uld4MFp1Z1UvemhhMWI6VUIlQWN4QT09>

Meeting ID: 876 7399 7551

Passcode: 160639

September 13th, 2023 Agenda

Time	Agenda Item and Description	Objective	Presenter(s)
9:30* (25 min)	Welcome and Introductions, Agenda Review <ul style="list-style-type: none"> Acknowledge recording of WCMAC meeting Welcome from Chair Review agenda Welcome and roll call introductions Meeting ground rules Encourage public comments via chat Adopt summary of June meeting minutes 	Information, Action <i>Reference Materials:</i> <ul style="list-style-type: none"> Sept. 2023 Agenda Draft June 2023 Meeting Summary (Appendix A) 	<ul style="list-style-type: none"> Rod Fleck, Chair Mike Chang, Facilitator
9:55* (20 min)	WCMAC Updates <ul style="list-style-type: none"> Membership updates Announcements <ul style="list-style-type: none"> 2024 Chair and Vice Chair Work plan and topic elevation Annual WCMAC Accomplishments Public Comment Protocol Communications Strategy updates 	Information, Discussion	<ul style="list-style-type: none"> Mike Chang, Facilitator Nicole Gutierrez, Facilitator Mai Aoki, Ecology
10:15* (30 min)	Updates <ul style="list-style-type: none"> Governor's Office Updates MRC Updates Agency Updates 	Information, Discussion <ul style="list-style-type: none"> Technical Committee Meeting Summaries (Appendix B) 	<ul style="list-style-type: none"> Mike Chang, Facilitator Nicole Gutierrez, Facilitator Carrie Sessions, Governor's Office Other State Agency representatives

Time	Agenda Item and Description	Objective	Presenter(s)
	<ul style="list-style-type: none"> General Coastal Updates Technical Committee Updates MRAC Update 		<ul style="list-style-type: none"> Technical Committee Co-leads WCMAC members
10:45* (30 min)	Oregon letter to BOEM: <i>The Oregon OSW Energy Development Process from a Stakeholder's Perspective</i>	Information, Discussion	<ul style="list-style-type: none"> Heather Mann, Midwater Trawlers Cooperative
11:15* (15 min)	CZM Habitat Protection and Restoration Bipartisan Infrastructure Law (BIL) Competition Department of Commerce <ul style="list-style-type: none"> Discussion of Notice of Funding Opportunity (NOFO) Tee up letters of support for December meeting 	Information, Discussion	<ul style="list-style-type: none"> Olivia Zimmerman, Ecology
11:30* (15 min)	Public Comment <ul style="list-style-type: none"> Link to sign up for public comment. Encourage commenters to limit their comments to no more than 3-minutes to allow for all public comments to be received. 	Discussion	<ul style="list-style-type: none"> Public/Observers Mike Chang, Facilitator
11:45*	1-hour break Reconvene at 12:45pm using the same Zoom link		
12:45* (30 min)	Governor's Office Updates on Offshore Wind <ul style="list-style-type: none"> Offshore Wind Delegation Trip Additional offshore wind updates and approach 	Information, Discussion	<ul style="list-style-type: none"> Carrie Sessions, Governor's Office
1:15* (60 min)	OSW Updates <ul style="list-style-type: none"> OSW Action Plan on research/data needs and priorities – tee up for December 2023 vote BOEM Updates (20 minutes) 	Information, Discussion	<ul style="list-style-type: none"> Nicole Gutierrez, Facilitator OSW Technical Committee Jennifer Miller, BOEM Juan Carlos Gomez, BOEM
2:15* (25 min)	Marine Resources Advisory Council Updates: Carbon Dioxide Removal	Information	<ul style="list-style-type: none"> Jessica Cross, PNNL
2:40* (20 min)	Public Comment <ul style="list-style-type: none"> Link to sign up for public comment. Encourage commenters to limit their comments to no more than 3-minutes to allow for all public comments to be received. 	Discussion	<ul style="list-style-type: none"> Public/Observers Mike Chang, Facilitator
3:00*	Adjourn and Next Steps		

Meeting Ground Rules

1. Be Respectful

- Listen when others are speaking. Do not interrupt and do not participate in side conversations. One person speaks at a time.
- Recognize the legitimacy of the concerns and interests of others, whether or not you agree with them.
- Cooperate with the facilitator to ensure that everyone is given equitable time to state their views. Present your views succinctly and try not to repeat or rephrase what others have already said.
- Silence cell phones and refrain from using laptops during the meeting, except to take notes.

2. Be Constructive

- Participate in the spirit of giving the same priority to solving the problems of others as you do to solving your own problems.
- Share comments that are solution focused. Avoid repeating past discussions.
- Do not engage in personal attacks or make slanderous statements. Do not give ultimatums.
- Ask for clarification if you are uncertain of what another person is saying. Ask questions rather than make assumptions.
- Work towards consensus. Identify areas of common ground and be willing to compromise.
- Minimize the use of jargon and acronyms. Attempt to use language observers and laypersons will understand.

3. Be Productive

- Arrive on time and stay until the meeting is adjourned.
- Adhere to the agenda. Respect time constraints and focus on the topic being discussed.
- Volunteer for tasks between meetings.

4. Bring a Sense of Humor and Have Fun.

Appendix A. June 2023 Meeting Summary

Please see meeting summary on next page.

Washington Coastal Marine Advisory Council Meeting

Draft Summary

Wednesday, June 13, 2022

Part 1 from 10:00am – 12:00pm

Part 2 from 2:00pm – 3:00pm

All meeting materials and presentations can be found on the WCMAC website:

<http://www.ecy.wa.gov/programs/sea/ocean/advisorycouncil.html>

Highlights

- Updates from BOEM representative.
- Review of efforts related to the Area Sector Analysis Planning project.
- Updates from the Offshore Wind Technical Committee.

Summary of Decisions

- No formal decisions were made during this meeting.

Upcoming Meetings

- September 13th, 2023
- December 6th, 2023

Council Members Present	
Brian Sheldon, Shellfish Aquaculture	Mike Rechner, Department of Natural Resources
Mike Nordin, Grays Harbor Conservation District	Corey Niles, Washington Department of Fish and Wildlife
Dale Beasley, Commercial Fishing	Paula Culbertson, Wahkiakum Marine Resource Committee
Garrett Dalan, Grays Harbor Marine Resource Committee	Larry Thevik, Commercial Fishing
Jay Carmony, State Parks	RD Grunbaum, Conservation
Rod Fleck, North Pacific Marine Resource Committee	Brian Polagye, Coastal Energy
Carrie Sessions, Governor's Office	Mara Zimmerman, WA Coastal Salmon Partnership
Chris Meinig, PNNL	

Council Members Absent	
Michele Conrad, Economic Development	Rich Doenges, Department of Ecology
Nives Dolšak, Educational Institution	Joshua Berger

Mike Cassinelli, Recreational Fishing	Randy Lewis, Ports
Charles Costanzo	

Others Present (as noted on the Teams log-in)	
Kevin Decker, Washington Sea Grant	Brian Blake, Ocean Gold Seafood
Peter Steelquist, Washington Surfrider	Molly Bold, Port of Grays Harbor
Ann Skelton, Pacific County MRC	Cami Shigaya, HDR Consulting
Doug Kess	Heather Hall, WDFW
JamesT075	Jennifer Miller, BOEM
Kristine Nevitt, Ecological Economist and Advocate	Mike Okoniewski, West Coast Pelagic Conservation Group
Brent Paine, United Catcher Boats	Jennifer Hagen, Quileute Tribe
Kara Cardinal, Strait ERN	Teri Wright, Wild Orca
Casey Dennehy, Ecology	Mike Chang, Cascadia Consulting Group
Jimmy Kralj, Environmental Science Associates	Nicole Gutierrez, Cascadia Consulting Group
Alle Brown-Law, Cascadia Consulting Group	

Welcome and Introductions

- Rod Fleck provided a brief introduction and welcomed everyone to the meeting. The meeting was held using a hybrid in-person and virtual approach. This was the first WCMAC meeting with an in-person option since December 2019.
- Mike Chang provided an overview of the hybrid meeting approach and noted that the meeting will be streamed and recorded by TV-W.
- Mike Chang also reviewed the WCMAC ground rules with participants and explained expectations for WCMAC members.
- Mike Nordin asked when these rules were approved.
 - Mike Chang noted the ground rules were last updated in March 2020 and they were copied verbatim into the presentation.
- Larry Thevik thanked the group for using a hybrid meeting approach and for recording the meeting. Larry also noted that he hopes members of the public would be able to provide comments orally during the relevant agenda items as opposed to holding their comments for the public comment periods.
- Similarly, Larry Thevik also asked for information shared in the chat to be discussed during the relevant agenda topic.

- Rod Fleck shared that the priority will be to address comments from WCMAC members and reserve public comments for the public comment periods during the meeting.
- Mike Chang also noted that public comment periods are intended for public comments only and not continued WCMAC member discussions.

March Meeting Summary Review

- Larry Thevik had a revision in the updates section about changes in the price of crab. Last year, the catch value set a record. This year, the value is much lower: the opening price was only \$2/pound. This demonstrates the unpredictability of the crab fishery.
- Brian Sheldon stated that comments attributed to Mike Nordin were made by him. Additionally, those comments were in reference to European Green Crab, not burrowing shrimp.
- The meeting summary was approved.

WCMAC Updates

- Mike Chang explained that the work plan will be posted online and shared at future meetings. Additionally, the work plan will be updated in order to be more user friendly.
- Casey Dennehey explained that the WCMAC budget was approved by the legislature and they will renew the contract with Cascadia and ESA for facilitation support for the next two years.

Coastal Updates

- Governor's Office
 - Carrie Sessions shared information regarding successes from the recent legislative session which included the passage of legislation regarding climate resilience and planning. Additionally, the approved budget included funding for climate mitigation as well as coastal communities and tribes. The approved budget also included funding for the Ecology coastal hazards recommendations that were formally supported by the WCMAC.
 - Carrie Sessions also shared that she joined a delegation of Washington representatives on a trip to learn about offshore wind development in Scotland and Denmark. This opportunity provided useful information about resource demands and implications for domestic development.
 - Carrie also shared that the Principles of Engagement document has guided much of the work of the Governor's Office around offshore wind.
- Marine Resource Committees
 - North Pacific
 - The North Pacific MRC is currently responding to the state's request to plan for 2025-2027. Additionally, the group recently discussed a partnership between the Quileute Tribe and NOAA related to coastal hazards.
 - Grays Harbor
 - The MRC is completing its biennium funding plan and will be hosting the MRC summit in Westport this fall with a focus on world fisheries. More information will be shared soon.

- Pacific County
 - MRC has been advancing work related to wave and wind energy and is in the process of learning more about the BOEM process. Mike Nordin shared his concern about the attitude from the Governor's office that offshore wind development will move forward even though coastal communities have shared how such development would cause harm.
 - Carrie Sessions explained that nothing is a foregone conclusion. Right now, the Governor's office is assessing how to best engage with coastal communities around the topic of offshore wind development. The Governor's office is far from making a policy decision about whether or not offshore wind should be pursued in Washington.
 - Mike Nordin also explained that he believes there should be additional meetings during the year to tackle issues facing the Washington Coast.
- Wahkiakum County
 - The Wahkiakum MRC is currently reviewing grants for the next biennium and recently revised its bylaws.
 - A local student group recently won a world championship title in marine robotics.
 - The MRC is working to continue to develop its educational mission.
- Department of Ecology
 - Casey Dennehy shared that Ecology will be taking control of the Marine Spatial Plan data viewer and website. During that process, the MSP data viewer will be updated and modernized. Additionally, all existing data from the MSP data viewer will be incorporated into the coastal atlas and new data layers will be added.
 - Jennifer Hagen via Chat: Regarding Marine Spatial Planning: can anyone highlight the relationship with the West Coast Ocean Alliance Data portal?
 - Casey via Chat: We are working closely with the WCOADP and will continue to in the future. Some of that work has slowed down over the last couple of months as they were looking to hire a new coordinator.
- State Parks
 - Funding for maintenance at Grayland State Park and Twin Peaks State Park was not funded secured during the recent legislative session.
 - Jay Carmony shared that this will likely be his last WCMAC meeting; Matt Niles, who has expertise in marine management and coastal policy, will replace him. Jay shared that it was a pleasure to work with the WCAMC and wished members luck as they continue to address coastal issues.
- Department of Natural Resources
 - Mike Rechner shared that DNR was successful in securing support for the derelict structure removal program during the recent legislative session that will remove derelict structures in coastal waters across the state. DNR is currently in the process of developing the program. This program will also include creosote piling removal affiliated with larger structures. DNR operates another program focused on individual creosote piling removal.
- WDFW
 - No updates at this time.
- General Updates
 - Chris Miening shared that PNNL is conducting an internal study on offshore wind and associated economic impacts on coastal communities.

- Larry Thevik shared that House Bill 1010 (the crab evisceration bill) failed to pass during the legislative session. Larry also shared that the volume of crab caught this year by state and tribal fleets is at its highest level ever recorded.
- Larry also shared that many are expecting a shift into an El Nino phase which may negatively impact ocean conditions and fisheries.
- Larry also requested members review the letter from the Oregon Governor and federal leadership to BOEM requesting a pause in offshore wind planning in Oregon waters.
- Brian Sheldon stated that the recent legislative session resulted in some wins for the burrowing shrimp issue. However, the problem is growing rapidly. The invasive Green Crab issue is also rapidly expanding.
- Brian Sheldon also shared that he is concerned that there is no cost-benefit analysis related to marine energy sources.
- Nicole Gutierrez via Chat: OR BOEM OSW letter can be viewed here: https://content.govdelivery.com/attachments/WAECY/2023/06/12/file_attachments/2524998/06.09.23_Oregon%20BOEM%20Offshore%20Wind%20Letter_all_final.pdf
- Mike Nordin via Chat: I would like to officially request an agenda item to discuss the number of meetings per year. Also, we need to spend more time on the absolute critical issues at hand.
- Technical Committee Updates
 - Nicole Gutierrez provided an overview of progress made by the Offshore Wind Technical Committee. The Committee developed the principles of engagement document and is currently focused on efforts related to data and community research needs. The group has identified and synthesized questions and data needs and efforts are now focused on developing an approach to learn more about these through presentations from outside experts.
 - Dale Beasley stated that there are open seats on the WCMAC and he would like to see them filled.
 - Carrie Sessions explained that the Governor's Office is soliciting applications for these vacancies and processing them.
 - Rod Fleck stated that it would be useful to discuss the letter from the Oregon Governor and Congressional Delegation in greater detail during the September WCMAC meeting.
 - Dale Beasley shared his opinion that BOEM does not have the interests of coastal communities at heart. Dale shared that he was pleased Senator Cantwell initiated meetings between fishermen and the U.S. Coast Guard regarding the fairway development process.
 - Larry Thevik explained that the technical committee should take time to understand the issues that led the Oregon Governor, Congressional Delegation, as well as the Pacific Fishery Management Council to request BOEM to pause leasing activities on the Oregon Coast. Larry also requested an analysis of comments provided by the public and tribal members to BOEM related to offshore wind in other regions.
 - Corey Niles responded to Dale's request to review the legislative mandates. He explained that from the State's perspective, he does not understand how the mandates are not being addressed by the WCMAC, and stated that Dale has not provided a clear answer to that question. Corey stated that the legislative mandate was met through the Marine Spatial Planning process.
 - Brian Polagye provided general comments about offshore wind development. He shared that offshore wind is not cost-effective, particularly here in Washington. Washington has very little available areas for development and already has some of the lowest energy costs in the nation. Brian said there will not be offshore wind in

- one year, even 10 years. In the state's energy decarbonization plan, there is no plan for offshore wind development in the next 50 years. The only circumstance in which offshore wind might be developed (according to the plan) is if it becomes impossible to import energy from Idaho and other states. Brian also added that there will not be a build-out of the technology until there is cost parity, which is a very long way away.
- Mike Nordin responded to Corey's comments. Marine spatial planning is only one part of the WCMAC legislative mandate, however, the impetus for the Marine Spatial Plan was for planning around ocean energy development.

Pacific Region Renewable Energy Planning Updates

- Jennifer Miller from BOEM provided updates to the Committee regarding BOEM's actions related to offshore wind in Oregon and California. BOEM has no updates regarding the unsolicited lease requests in Washington at this time.
- BOEM is firmly in the planning and analysis stage in Oregon. They are currently developing spatial modeling and monitoring efforts to refine the call areas into smaller draft wind energy areas.
- BOEM will be pausing any further efforts related to leasing in Oregon in response to the letter from the Oregon Governor and Congressional Delegation related to concerns from coastal communities and stakeholders.
- In California, BOEM has executed 5 leases. Each lessee will now develop and submit communications plans for engagement with tribes, fisheries, and agencies.
- After those plans are developed, the next phase in the process would be the submission of survey activities, eventually followed by the development of the projects.
- BOEM is continuing to work with the State of California to identify wind resources and support engagement with fishing communities and tribal nations.
- BOEM is also in the process of establishing a working group focused on fisheries considerations – this is a requirement for federal consistency approval. The membership of this group is currently being determined.
- Rod shared that it would be helpful to have updates like this from BOEM at future meetings. Rod requested Jennifer attend the upcoming September and December WCMAC meetings.
- Kara Cardinal via chat: There was a fantastic panel presentation at the recent Cultural Resource Protection Summit that the Suquamish Tribe put on. The panel was titled "Offshore Wind Projects and Their Potential Impacts to Cultural Resources" and discussed not just fishing impacts but many other cultural (tribal and non-tribal) things to consider.
- Mara Zimmerman asked how BOEM decides which fisheries and tribes are targeted when developing communications and outreach plans.
 - Jennifer Miller shared that BOEM casts as broad a net as possible. Jennifer also noted that communities and other groups may request to be included in communications plans.
 - Jennifer stated that initial outreach is targeted on fisheries that occur within the identified call areas. BOEM also considers fisheries that target migratory species which occur within the identified call areas.
- Paula Culbertson asked whether BOEM determines if companies have sufficient financial capacity to develop and operate offshore wind projects. She added that several companies on the East Coast have recently withdrawn efforts to develop offshore wind resources due to shifting economic conditions.
 - Jennifer shared that prior to a lease auction interested parties must submit financial qualifications as required by federal law. BOEM also requires bonds from companies

- that would be used to remove structures safely from the ocean in the event that a company goes bankrupt.
- Brian Polagye asked if BOEM sees an opportunity for allowing fishing within wind turbine arrays in the future.
 - Jennifer shared that leases do not give exclusive use rights to the lessee. In regards to fishing activity, there would need to be an analysis completed to review whether or not certain fishing types could be compatible with offshore wind, or whether offshore wind designs could be made to be compatible with fishing. BOEM relies heavily on the Coast Guard to determine what activities would be permissible within a lease area. BOEM only excludes activities that are deemed incompatible.
 - Larry Thevik asked several questions to Jennifer Miller.
 - Larry's first question was about why the westward limit for development is water depths of 1,300m for the Oregon call areas
 - Jennifer stated that areas beyond this have very steep slopes that prevent the construction of offshore wind facilities. Areas beyond this that are not sloped are over 3,000m deep, which is not viable for construction of offshore wind given current technologies.
 - Larry asked whether BOEM considers cumulative impacts in its analysis of offshore wind developments.
 - Jennifer shared that BOEM does consider cumulative impacts. In the Atlantic, BOEM permits have addressed cumulative impacts. However, the planning process for developments in the Pacific is in very early stages. Cumulative impacts are not considered until the analysis of individual projects.
 - Larry shared his concerns about communication plans and his belief that they are insufficient to manage impacts to fisheries and associated communities.
 - Jennifer shared that the communications plans are not intended to serve as a mitigation tool for fisheries. They are intended to improve communication between the lessee and community members/stakeholders. BOEM previously heard from stakeholders that communication from lessees was inadequate and unpredictable, so BOEM initiated the communications plan requirement to improve communication.
 - Larry also asked if Jennifer could speak about ecosystem modeling efforts.
 - Jennifer shared that BOEM is working to include ecosystem effects in its modeling efforts. However, Jennifer noted that these technologies are very new, however, BOEM is working to push the limits of technologies to support modeling efforts.
 - Chris asked about the potential for benefits to coastal communities and other stakeholders during early planning efforts, particularly regarding model development. Are there benefits to communities prior to the construction of facilities that come from assessment efforts?
 - Jennifer stated that more information about the ocean benefits all coastal communities and stakeholders. Additionally, with increased information about ocean conditions, the siting of facilities is able to be improved to better align with existing ocean uses. Jennifer also noted that the development of this information requires time and funding, which can be challenging.
 - Paula asked if BOEM requires information about the transmission of electricity generated by offshore facilities and connections to the land-based grid.
 - Jennifer shared that BOEM's jurisdiction is limited to the outer continental shelf. Elements of projects related to onshore transmissions and connections fall under the purview of states and other federal agencies.

- Jennifer added that there are 27 active offshore wind sites on the east coast. She noted that proposed projects with agreed-upon power purchase agreements were much more likely to move toward development. The power purchase agreements are a critical factor in determining whether a project will move forward. Additionally, given their location, offshore wind facilities typically fall at the end of existing transmission lines, so there would need to be significant upgrades to transmission capacity, however, that falls outside of BOEM's jurisdiction.

Public Comment

- Mike Okoniewski raised one question for Jennifer Miller: at the March Pacific Fisheries Management Council meeting, a BOEM representative said it was not the role of BOEM to avoid conflicts with fisheries. Is that true?
- Mike Okoniewski also noted that costs for the development of offshore wind projects have forced many developers to back out of projects and pay penalties.
- Teri Wright noted that BOEM's website does not include information about impacts on Southern Resident Killer Whales.
- Brent Paine stated that he represents United Cather Boats. He shared that Washington has a chance to learn from the mistakes that took place in California and Oregon through their processes. He hopes that the WCMAC can hear from coastal communities and provide them a voice in this process.
- Larry Thevik via chat: Teri: I have brought up on numerous occasions and in direct comments to BOEM the need to recognize potential impacts on newly designated Critical Habitat for ESA-listed SRKW and other ESA-listed whales from OSW both in construction and in operation. Supposedly no federally funded or permitted project can occur in a Critical Habitat designated area that as you said cause habitat modification and species impact from acoustic noise generation, that may effect migration patterns, impact water quality or cause harm to forage available to the ESA listed species. Not much response if any that I am aware of by BOEM to these specific provisos in the Critical Habitat Designation. These impacts are separate from the regulations of "takes" form human actions. It is my understanding that most East Coast projects are not within Critical Habitats and the discussion and regulations of impacts from OSW on whales there is confined to "takes" and not to habitat.

Economic Resilience Recommendation: Area Sector Analysis Planning

- Kevin Decker gave a presentation on the Area Sector Analysis Process, which was completed in partnership with the Western Rural Development Center. The goal of the project was to examine the compatibility and desirability for industries and coastal communities in order to identify targeted industries for expansion on the coast.
- The process distributed a survey related to environmental, social, and economic factors. 532 responses were collected from all five coastal counties.
- The top concerns expressed by respondents were avoiding water pollution and hiring local residents.
- A steering committee was formed to identify a list of top focal industries that aligned with the desirability concerns expressed by residents.

- The steering committee reviewed and prioritized industry sectors for each county using survey results:
 - Clallam County: light manufacturing
 - Jefferson County: hospitality and tourism
 - Grays Harbor: manufacturing, hospitality, and tourism
 - Pacific: manufacturing
 - Wahkiakum: residential support services.
- Housing was also raised as a top concern across the coast. Businesses want to expand in the area, but the lack of housing poses challenges.
- Jay Carmony asked if it would be possible to expand the survey in the future.
 - Kevin shared that funding for the survey effort was limited and impacted the scale and reach of survey efforts. There are currently no plans to expand the survey process in the future.
- Chris Mining asked how a community's readiness level to adapt and meet the needs of industries could be assessed. Chris also asked about how climate change, and the expected moderate impacts in the region, would influence industry planning decisions.
 - Kevin shared that he is currently in the process of securing funding to hire a fellow through funding from the Economic Development Agency in order to help implement and execute projects in communities related to their ability to adapt and meet the needs of industries.
- Brian Sheldon asked about why aquaculture was rated low in counties where the industry is actively expanding. How can survey responses be reconciled with real-world data?
 - Kevin shared that this could be a gap in the audiences that were targeted for the survey.
 - Brian noted that one potential next step could be to narrow down the list of industries in order to find things that are better aligned with particular counties and their existing industries.
- Larry Thevik shared that he was shocked that fishing and seafood processing were not listed as a top priority in Grays Harbor. Larry added that resilience is just as much about protecting current assets as opposed to identifying new ones.
 - Kevin stated that this was a good point. He noted that these responses may be related to the fact that the survey specifically focused on economic development and new opportunities for growth. Kevin noted that fishing and seafood processing is incredibly important to these communities.
- Paula Culbertson asked if age data were collected from respondents.
 - Kevin said yes, but the results are managed by the Western Rural Development Center so he would need to request that information from them.
- Kevin also added that tribes were not included due to capacity concerns.

Public Comment

- Brian Blake (former Representative, Government Affairs at Ocean Gold Seafood): Brian provided comments about offshore wind in Washington. Brian is concerned about the process informing the development of offshore wind resources, particularly the cumulative effects from offshore wind on the California Current ecosystem. Brian noted potential concerns around removing energy from the current ecosystem through development of offshore wind turbines. Brian also noted resources within the state, particularly through the University of Washington, and the potential for individuals from these organizations to investigate potential cumulative impacts on the ecosystem.

- Peter Steelquist (Surfrider Foundation): Peter introduced himself as a new WCMAC member and offered to have discussions and serve as a resource for WCMAC members.
- Mike Okoniewski noted that there are thousands of comments against offshore wind on both the west and east coast. Mike also raised concerns about the uncertainty around offshore wind impacts on the fishing industry, as well as more broad consequences that are not yet well understood.
- Rod requested the Offshore Wind Technical Committee complete several tasks:
 - Understand which elements of WCMAC's legislative mandate (as described in the RCW) are not being met when dealing with offshore wind planning. Additionally, Rod requested the technical committee provide recommendations for how to achieve those mandates.
 - Review the impetus and processes followed for development of the letter from the Oregon governor and Congressional members to BOEM.
 - Understand what efforts the Governor's office is taking to learn more about offshore wind development.

DRAFT



Appendix B. Technical Committee Meeting Summaries

Please see final meeting summaries on the next page.

WASHINGTON COASTAL MARINE ADVISORY COUNCIL

Offshore Wind (OSW) Technical Committee

April 18, 2023

1pm – 3pm

Meeting Highlights

- The Technical Committee undertook a brainstorming exercise using breakout room discussions. The Committee discussed data gaps and updates for the MSP, other OSW efforts to track, information that WCMAC needs to develop a greater understanding of OSW, and how best to fulfill the Committee's Objective #2.
- Based on the discussion, the consulting team will create an action plan for the Technical Committee. The plan will be ready for the next Committee meeting.

Participants

- Dale Beasley, Commercial Fishing representative (TC Co-Chair)
- Larry Thevik, Commercial Fishing representative (TC Co-Chair)
- Corey Niles, Washington Department of Fish and Wildlife
- Paula Culbertson, MRC
- Ann Skelton, Pacific County MRC
- Arthur "RD" Grunbaum, Coastal Conservation group representative
- Brian Polagye, UW
- Mike Nordin, Manager of Grays Harbor and Pacific Conservation Districts
- Mike Okoniewski, Pacific Seafood Consultants
- Heather Hall, Washington Department of Fish and Wildlife
- Rich Doenges, Ecology
- Garrett Dalan, Grays Harbor MRC
- Casey Dennehy, Ecology
- Mai Aoki, Ecology
- Nicole Gutierrez, Cascadia
- Alle Brown-Law, Cascadia
- Jimmy Kralj, ESA

Meeting Summary

Finalizing 2/21 Meeting Summary

- Larry provided context for his requested edit in the January 17 meeting summary. He had revised a sentence to read, “We must be careful not to be trapped by the use of the word ‘minimizing.’” Prior to the MSP, there were statutory instructions about what should be included in a Marine Management Plan. Plans must include a series of maps that summarize key ecological aspects, environmentally sensitive areas, human uses of marine waters (particularly areas of high value), and appropriate location for energy production with *minimal* impacts. We need to recognize the difference between minimal impacts and minimizing impacts.
- Larry requested an edit to the February 21 meeting summary, in the “Data Gaps Prioritization: Forage Fish” section. He thought that the OSW TC spoke significantly about the impacts to the California Current system. He requested clarification on idea that the Technical Committee is trying to prioritize a potential impact assessment. Larry stated that the Technical Committee cannot prioritize without knowing the data. He also disagreed with the suggestion (from the February 21 meeting) that the impacts of acoustic noise, vibration, and electromagnetic fields are a lower-priority data gap, due to existing research on these impacts. Larry shared that he does not agree that we stated, as a committee, that noise and EMF impacts were low priorities. Those two are towards the top of the list.
 - Nicole noted that the February 21 Meeting Summary summarizes the data prioritization exercise that we initiated in our last meeting, but that we’ve pivoted away from that prioritization exercise.
 - Mike Nordin commented that we might have data, but if it doesn’t bring us anywhere, it’s insufficient. In Oregon’s marine planning, they had data but it wasn’t sufficient.
- Mike Okoniewski noted that vessel noise, bow pressure, and shadows all impact schools of sardines. Marine species are sensitive to acoustic noise and vibration, along with pressure and shadows.
- Nicole reviewed the Ground Rules.
- Dale shared that WCMAC is responsible for creating and carrying out the agenda. He is unsure how the Technical Committee had gotten to this agenda today.
 - Casey noted that the full WCMAC formed the OSW technical committee and gave the Technical Committee two tasks: (1) principles of engagement, and (2) data and community research needs assessment. He acknowledged that the first data needs assessment exercise was too complicated, and that the agenda today is an opportunity to brainstorm and build agendas for the OSW TC and the full WCMAC. We want to know what we should spend time on, and what issues we should be focusing on.
- Dale requested that WCMAC review the legislation that created WCMAC and the MSP. We haven’t adequately addressed that in the past, and it’s appropriate that we review the legislation for new members. There are three pieces of legislation because the Washington legislature didn’t believe we were on the right path. Washington is the only state that undertook marine spatial planning to protect fishing and coastal communities. Every other state undertook marine spatial planning to prepare for ocean energy off their coasts.

- Larry echoed Dale's comments about the legislative language that led to the formation of the WCMAC and the MSP. He recommended we write a summary of the legislation.
 - Nicole noted that the consulting team is currently developing a legislative summary.
- Larry asked if the WCMAC members could identify what research needs and data gaps they believe exist, and then the Technical Committee could assess that list to start identifying data gaps and needs.
- Corey responded to Dale's comments about WCMAC legislation. The state turned those policies into the Enforceable Policies of the Marine Spatial Plan. That is where the legislation ended up, and that is where it will apply most directly in Marine Spatial Planning.
 - Larry agreed with Corey but noted that Dale is getting at the why. Why did Washington come up with these enforceable policies? That's where the originating legislation can provide the context for the product that you're pointing to. That's where it merits more explanation for why and how we got to those enforceable policies.

Breakout Room Discussions

- Nicole reviewed the breakout room exercise.
- Larry commented on the OSW TC Objectives. In reference to objective number two, he shared that our data and community research needs are broader than just the unsolicited lease requests. We can review existing data and community research needs for OSW more generally, prompted by the unsolicited lease requests. However, we shouldn't confine this conversation to the two unsolicited lease requests, since this is a dynamic process, and we don't want to get the idea that our data needs are responsive to the specifics of the two unsolicited lease requests that are on the table. Those are prompting this larger conversation about data gaps and needs to OSW more generally.
 - Nicole reminded the Committee that the objectives were approved by the full WCMAC. If we want to edit them, we would have present them to the full WCMAC.
- **The Technical Committee went through the breakout room exercise. A synthesis will be provided in the next meeting packet in the form of a draft Objective #2 Action Plan.**

Closing

- Dale flagged that we do not currently have a clear understanding of how WA state will interact with BOEM. He shared that Washington needs to do it differently than any state; we need to include fishing and public interests, and we need to efficiently collaborate with BOEM.
- Dale also noted that WCMAC is charged with mediating disagreements. We've never discussed how this would occur and we would need to plan for that in advance of any BOEM actions.

Next Steps

- Next meeting is May 16. The facilitation team will work on **synthesizing an action plan and will include it in the upcoming meeting packet.**

WASHINGTON COASTAL MARINE ADVISORY COUNCIL

Offshore Wind (OSW) Technical Committee Meeting Summary

May 16, 2023
1pm – 3pm

Meeting Highlights

- The Technical Committee reviewed the draft Action Plan. The Committee discussed the need to bring experts in to present on priority actions included in the Plan and maintain an ongoing list of data gaps.

Participants

- Dale Beasley, Commercial Fishing representative (TC Co-Lead)
- Larry Thevik, Commercial Fishing representative (TC Co-Lead)
- Michele Conrad, Coastal Economic Development Seat
- Brian Polagye, Energy representative
- Arthur “RD” Grunbaum, Coastal Conservation group representative
- Mike Nordin, Grays Harbor Conservation District representative
- Rich Doenges, Department of Ecology representative
- Corey Niles, WDFW representative
- Doug Kess, Pacific County MRC
- Ann Skelton, Pacific County MRC
- Mike Okoniewski, Pacific Seafood Consultants
- Paula Culbertson, Wahkiakum MRC
- Brandii O’Reagan, WA Sea Grant
- Casey Dennehy, Department of Ecology
- Mai Aoki, Department of Ecology
- Nicole Gutierrez, Cascadia
- Jimmy Kralj, ESA

Meeting Summary

Welcome and Agenda Overview

- Dale requested the OSW Technical Committee focus on the interface between Washington and BOEM, WCMAC’s founding legislation, and the US Coast Guard Fairways.
- Mike N. suggested the Committee meet more frequently, or have longer meetings, to thoroughly review the Action Plan elements.

- Larry agreed with both Mike and Dale, and requested that the Committee meetings be recorded.
- Larry provided edits to the February Meeting Summary. In the Forage Fish discussion, Larry did not reference Marine Protected Areas. It should read as follows: "...impacts might differ in Essential Fish Habitat, Unique and Sensitive Areas, and/or in designated Critical Habitat for protected and other marine species."
- Mike O. provided comment on the February Meeting Summary. Mike noted that, concerning marine mammals, there is a possible relationship between whale deaths on the East Coast and survey techniques for offshore wind siting.

Objective 2 Action Plan Development – Phase 1

- Jimmy introduced the Draft Action Plan, which was based on the April Committee meeting discussion. The Action Plan's purpose is to guide the Committee through the implementation of Objective 2, and it includes three action areas: (1) Updates to MSP Data Viewer, (2) Review of Offshore Wind Efforts in Other Locations, (3) Information to Improve WCMAC Understanding of Offshore Wind Issues. Within each area, there are several actions for the Committee to take over the next several months. However, there are several limitations, including the time and resources the Technical Committee has available. To address these limitations, the facilitation team suggested soliciting presentations from outside experts and the Technical Committee serving as a forum for these topic areas. Jimmy asked for Committee member feedback and thoughts.
- Mike N. commented that he feels there is more the Technical Committee could do than is listed in the Action Plan. Considering limitations, he suggests the Committee could recommend the Governor halt offshore wind development until these critical questions are answered.
- Jimmy noted that the Action Plan currently includes all the actions that the Technical Committee brainstormed during the April meeting. However, some of the actions are outside of the Committee's capacity, like "review port infrastructure." For actions that exceed Committee capacity, we can invite subject-matter experts to present to the Technical Committee to better understand the topic or issue.
- Larry agreed with Mike Nordin's comment about delaying development if we don't have the data. He noted that Objective 2 is to identify "data and community research needs considering the OSW Energy unsolicited lease requests," but Larry commented that these lease requests are unlikely to go through. He suggested Objective 2 be edited to not include the unsolicited lease requests, since these are unlikely to be the proposals we analyze, and instead the Committee undertake a case study on one specific proposal.
 - Jimmy responded that this is meant to communicate a sense of urgency, but we have some time before BOEM begins engagement. We should take advantage of this time to better prepare for when that engagement comes.
- Larry commented that the Action Plan does not include potential cumulative impacts to the California Current ecosystem.
 - Jimmy suggested we invite an expert to present on the California Current ecosystem. Larry suggested asking them how the California Current has been considered in other OSW processes.
- Larry shared that the Committee needs to have the opportunity to address the recurrent themes from public comments on offshore wind development.

- Rich noted that EIS processes include an initial scoping of potential impacts. He suggested the Committee focus on and prioritize the most significant impacts. Prioritization could be informed by outside experts.
- Dale commented that the Action Plan does not include the cost of OSW to consumers. He suggested that the Committee consider the potential costs of OSW, particularly for coastal communities. Additionally, the Committee should look at the cumulative impacts of energy to coastal communities. He shared that fishermen have lost 99% of their harvestable access since the 1970s – 80s. He is very concerned about OSW's impact on coastal and port communities, and the Committee should look at how best to protect these communities.
 - Mike N. suggested that the Committee contact MIT and request an analysis of power costs before OSW versus projected power costs with OSW.
- Mike O. agreed with Larry and Dale's comments, particularly the environmental impacts that Larry discussed and the cost to the public that Dale shared.
- Doug shared that the data gaps related to the California Current won't be resolved in a definitive way, but instead will need to be an ongoing process because there is new information all the time.
- Mike N. suggested three analyses: (1) MIT analysis on power costs (for the public) before OSW and potential power costs after OSW; (2) Economic analysis on the local economic impact from loss of sustainable current uses versus economic gain/loss from OSW; (3) An alternative analysis for energy production, costs of OSW vs other potential, to consumer gain. Mike N. noted that these analyses have been needed for years, but previous approaches were too broad to be useful. In the short term, he recommends bringing in experts to the Technical Committee, and in the long term, he recommends these specific analyses be conducted.
- RD asked about the potential for a pilot study about OSW's impact when placed in Washington waters.
- Michele supported additional presentations on priority areas, and agreed with comments from Larry, Dale, and Mike O. She commented that we are continuing to learn about different ecological processes and the impacts to marine life. It may be difficult to identify someone to speak, for example, on the cumulative impacts on the California ecosystem.
 - Jimmy suggested a two-pronged approach – first, inviting experts with relevant expertise to present on clear and well-defined areas of interest to the Committee, and for topics with data gaps and greater uncertainty (i.e., little to no available information), the Committee then recommends these areas as research priorities.
 - Michele agreed and suggested that the Committee should continue to track discussions on the marine planning process, and discussions with BOEM.
- Larry emphasized the idea of a case study, rather than analyzing the specific projects. ORMA could be utilized for the case study.
- Casey shared that Ecology is still working on the data gaps analysis, and based on this discussion, cumulative impacts, fisheries, ecological impacts, and economic cost of OSW all sound like priority items for the Committee.
- Mike N. supported Larry's idea of a case study. He noted that BOEM often says they will only displace a small portion of ocean uses, but this neglects to acknowledge how displacement of existing uses impacts the resources we depend on. Additionally, BOEM has not considered cumulative impacts, including economic impacts.
- Dale commented that the Committee should prioritize the list of actions, and for actions that have existing information, identify an expert to speak to the Committee, and for actions without existing information, the Committee can look for groups that are working

to address this gap. Dale also shared that we need to consider Washington's unique characteristics and constraints throughout this process.

- Mike O. recommended that the Technical Committee should meet more than once a month.
- Corey shared that the Washington Department of Commerce would be a good place to start, regarding an analysis of economic impacts.
- Larry suggested that the Committee should review the many public comments from Oregon and California OSW processes.

Objective 2 Action Plan Development – Phase 2

For additional discussion notes, see Meeting Focus Areas table below.

- Dale noted that it can be difficult to solicit people to present in a Committee meeting.
- Corey noted the WA Department of Commerce has staff that could present on what the state has analyzed so far.
- Larry requested that the Technical Committee compile the public comments from Oregon and California processes to build out reoccurring themes or find existing research that others have put forward.
 - Brandii agreed that this is something Sea Grant would be well positioned to do. She also noted that the Oregon Ocean Acidification and Hypoxia Board looked into wind energy impacts on ocean currents. She could go through board records to see who spoke about that.
- Larry commented that maintaining a list of data gaps is important, and this Action Plan could be a living document. As the Committee learns from other people, the document could be updated as new data gaps are identified.
- Nicole reviewed the consolidated list of actions around agenda themes as a potential next step for this effort:
 - **Meeting Focus Areas:**
 - MSP
 - OSW and Fisheries
 - BOEM
 - OSW Siting/Development Considerations
 - Lessons Learned
 - Economics
- Larry noted the input and summary actions of committees is useful, but it's important to not just stop there.

Next Steps

- The Technical Committee will present an update on the Action Plan to WCMAC at June meeting.
- Facilitators will revise the Action Plan based on OSW TC feedback received.
- Next meeting will be held 6/20 from 1-3pm.



Table 1. Meeting Focus Areas

Agenda Theme	Agenda topics	Notes from 5/16 Meeting
MSP	<ol style="list-style-type: none"> 1. Identify new data layers <ul style="list-style-type: none"> • Map each individual tribal Usual and Accustomed Fishing Area. • Examine opportunities to incorporate the National Centers for Coastal Ocean Science (NCCOS) spatial suitability model into the data viewer. • Consider ways in which to display potential fisheries displacement impacts by reviewing how other socioeconomic information is displayed in the data viewer. • Hecate Offshore Wind proposal area. 2. Identify necessary updates to existing data layers <ul style="list-style-type: none"> • Add new and existing designated critical habitat areas, including for Southern Resident Killer Whales, Humpback Whales, and Leatherback Sea Turtles. • Recommend changes to currently used models. <ol style="list-style-type: none"> i. Ex: The model used to produce the Energy Suitability: Wind Energy layer with a model should include a “0” value. The model used to produce the current layer does not include a “0” value. • Vessel traffic fairways data and associated constraints on development. 3. Explore improvement to user interface, tools, and functionality <ul style="list-style-type: none"> • Make it easier to change the transparency of different data layers. 4. Other considerations <ul style="list-style-type: none"> • Consider ways in which to display observation-poor data (e.g. short-tailed albatross is an Endangered Species Act listed species, but observations are rare in Washington). • Development constraints associated with Department of Defense operating areas. 	
OSW and Fisheries	<ol style="list-style-type: none"> 1. Track efforts and outcomes from the National Academies of Sciences Standing Committee on Offshore Wind Energy and Fisheries. 2. Examine potential displacement effects on fisheries as a result of offshore wind development. Cumulative Impacts. 	<p>Item 1 - This body has not really produced much. Could invite Steve Joner for a briefing?</p> <p>Item 2 will not capture the economic dynamics nor the oceanographic dynamics. This is such a tiny piece,</p>

Agenda Theme	Agenda topics	Notes from 5/16 Meeting
BOEM	<ol style="list-style-type: none"> 1. Monitor response to the Pacific Fishery Management Council's request to BOEM to reinstate its call area identification process in Oregon. 2. Consider inviting a BOEM representative to discuss the implications of floating offshore wind facilities with existing ocean uses. 3. Enhance understanding of BOEM's leasing process and its connection to CZMA consistency requirements and other laws. What is the state role in BOEM's process? 	and instead needs to be looked at as total economic output.
OSW Siting/Development Consideration	<ol style="list-style-type: none"> 1. Identify projections for climate-related changes in wave and weather patterns that have been used to plan OSW in other locations. 2. Review existing port infrastructure, requirements, and limitations to facilitate offshore wind development for relevant ports on the Washington Coast. 3. Examine the potential effect of offshore wind development on vessel traffic patterns. 4. Assess connections between offshore wind and tribal treaty rights, as well as any potential impacts to these rights. 	
Lessons Learned	<ol style="list-style-type: none"> 1. Examine efforts used in other locations to assess impacts from offshore wind on nearshore tide patterns, upwelling, and geologic hazards. 2. Track development progress in other states and regions like California, Oregon, the Gulf of Mexico, the East Coast, and Europe (specifically focused on floating offshore wind). Focus on sites and offshore wind energy areas with characteristics similar to those in Washington. 3. Review examples of offshore wind planning efforts and their connection to existing ocean uses to determine lessons learned. Identify pitfalls to avoid and other information to help inform efforts in Washington 4. Identify areas where offshore wind and existing ocean uses coexist with positive outcomes for both uses. 	Item 5 - This overview is something Sea Grant could do.

Agenda Theme	Agenda topics	Notes from 5/16 Meeting
Economics	5. Public Comment overview. Identify recurrent themes. 1. Identify research focused on the social implications and impacts of offshore wind development. 2. Improve understanding of the economic considerations behind offshore wind development and operation including power purchase agreements and consumer impacts. 3. Investigate potential effects of offshore wind development on energy transmission in the Pacific Northwest and potential effects to coastal communities.	Include the cost of energy to consumers.
Potential presentation	1. Consider emissions contributions and other environmental impacts associated with the offshore wind industry.	Point of origin.

WASHINGTON COASTAL MARINE ADVISORY COUNCIL

Offshore Wind (OSW) Technical Committee

June 20, 2023

1pm – 3pm

Meeting Highlights

- OSW TC reviewed the revised Action Plan and agreed with the general approach: *Invite outside experts, including tribal sovereigns, and/or WCMAC members with relevant expertise to speak on the topics and questions raised by the OSW TC. In addition, actions that are within the scope and expertise of the OSW TC will be addressed by committee members – examples include identifying information and data needs to be incorporated in the MSP data viewer, tracking OSW issues throughout various geographies, and addressing the WCMAC action items.*
- OSW TC reviewed the action items requested by the WCMAC chair, noting that the TC will discuss these items in more detail next meeting.
 - Seek to understand the process used to develop the Oregon letter to BOEM.
 - Review RCW 43.143 to identify what facets WCMAC are not considering related to OSW. At the September WCMAC meeting, outline the next steps WCMAC needs to consider.
 - Inquire what areas the Governor's office is studying with OSW (regarding the recent trip to Denmark and Scotland).

Participants

WCMAC/TC Members

- Dale Beasley, Commercial Fishing representative (TC Co-Chair)
- Larry Thevik, Commercial Fishing representative (TC Co-Chair)
- Brian Polagye, Energy representative
- Corey Niles, WDFW representative
- Arthur "RD" Grunbaum, Coastal Conservation group representative
- Doug Kess, Pacific County MRC
- Mike Nordin, Grays Harbor Conservation District representative
- Michele Conrad, Coastal Economic Development Seat

- Rich Doenges, Department of Ecology representative
- Garrett Dalan, Grays Harbor MRC

TC Members & Facilitators

- Mike Okoniewski, Pacific Seafood Consultants
- Ann Skelton, Pacific County MRC
- Heather Hall, WDFW
- Brandii O'Reagan, WA Sea Grant
- Mai Aoki, Ecology
- Nicole Gutierrez, Cascadia
- Jimmy Kralj, ESA

Meeting Summary

Welcome and Agenda Overview

- Nicole reviewed the agenda and went over the WCMAC meeting ground rules included in the 6/20 meeting packet.

Finalize 5/16 Meeting Summary

- Larry requested that the reference to marine protected areas be removed – he did not mention marine protected areas. Need to recognize acoustic noise disturbance, where the noise occurs in Essential Fish Habitat, Unique and Sensitive Areas, and/or in designated Critical Habitat for protected and other marine species.
- Larry also noted that related to Objective 2, we should not get too caught up in specifically responding to the unsolicited lease requests (URL) as the specific boundaries identified in the proposals are unlikely to be the final boundaries if the proposals are approved, therefore we will need to be broader in the approach. However, it is important to note that the ULRs prompted this work. Could take a high-level case study approach to one or both ULRs.
 - A case study on Hecate proposal might be more beneficial.
- Meeting summary finalized.

Announcements

- The facilitation team is starting a shared file system on Box. This will create a central repository for links and documents.
- Several actions came out of the June 2023 WCMAC meeting.
 - Seek to understand the process used to develop OR Governor/Congressional letter.
 - Review RCW to ID what facets WCMAC is not following related to offshore wind. Then in September, outline what steps WCMAC needs to consider.
 - Learn more about what the Gov. office is considering based on recent learning trips focused on offshore wind in Europe.

Objective 2 Action Plan Development – Phase 1

Approach

- Jimmy reviewed the revised Phase 1 Action Plan. He noted that the intention of the action plan is not to be overly prescriptive, rather, it will help guide the actions of the OSW TC more broadly.
- Larry asked for clarification of the approach.
 - Jimmy elaborated that the approach we are discussing currently would be a mix of continuing the OSW TC meetings to focus on identified actions the TC could tackle, and hosting public webinars on topics identified by the TC.
 - Larry cautioned moving too far forward before a strawman listing of the many data and research needs.

- Dale shared that it has been identified that we need more time to dedicate to the OSW TC, and he does not know if that has been addressed.
 - We also need to recognize that offshore data needs are expensive, and we should think about our budgets.
- Larry noted that we need to get the questions down first on data and research needs. Recognize we would not fill all the gaps, rather, we would identify the data gaps.
- Mike O. asked if BOEM should be involved with this approach – what questions are we asking and what questions do we want BOEM to answer?
 - Also noted that when considering data gaps – we need to know the environmental impacts.
- Mike N. shared that we need to consider the order of operations. Should the group be considering webinars before getting to the root of the problem? Should we first consider answering the question:
 - Is OSW and wave energy the right answer?
 - What are the other options?
 - Are there better ways to address this issue?
 - Jimmy replied that this could be a potential agenda topic going forward.
- Dale brought up that there needs to be focus on the consideration of costs of OSW.
 - 5-6 projects on the east coast stepping back from power purchase agreements because they can't fulfill them at the costs they anticipated.
 - There is a need to really delve into the economics.
- Brian agreed with Dale in principle but noting that current costs are not in line with the projected costs.
 - Brian also shared that WA energy costs are very cheap compared to other power costs throughout the country. Any alternative energy generation option we could look at are cheaper than OSW (today)
 - In terms of OSW, the costs associated with the Hecate proposal are high and it is likely the project won't move forward. However, costs will go down over time – but on a much longer timeframe – looking at 2050
 - Brian noted that even if costs of construction do decrease, existing power sources in Washington are some of the cheapest in the nation, so construction may not make economic sense even in the future.
- Dale noted that we need more time for discussion.
- Larry shared that within ORMA and enforceable policies and relevant to CZMA – the first two prescriptions are: :
 - Uses or activities that require federal, state, or local government permits or other approvals and that will adversely impact renewable resources, marine life, fishing, aquaculture, recreation, navigation, air or water quality, or other existing ocean or coastal uses, may be permitted only if the criteria below are met or exceeded:
 - (a) There is a demonstrated significant local, state, or national need for the proposed use or activity;

- (b) There is no reasonable alternative to meet the public need for the proposed use or activity;
 - Link to RCW: [RCW 43.143.030: Planning and project review criteria. \(wa.gov\)](https://leg.wa.gov/RCW/default.aspx?cite=43.143.030)
- Doug shared that the reason that BOEM is the lead agency is that these are federal projects. He also noted that there is support for OSW on the federal level because alternative energy sources benefit the entire nation and reduce GHG emissions.

Objective 2 Action Plan Development – Phase 2

- Nicole reviewed the proposed approach for the OSW TC going forward.
 - Invite outside experts, including tribal sovereigns, and/or WCMAC members with relevant expertise to speak on the topics and questions raised by the OSW TC. In addition, actions that are within the scope and expertise of the OSW TC will be addressed by committee members – such as identifying information and data needs to be incorporated in the MSP data viewer, tracking OSW issues throughout various geographies, and addressing the WCMAC action items.
- Dale is broadly supportive of community meetings – advocated for an in-person approach.
- Mike N. also agreed about in-person options, especially for rural communities. Mike N said hybrid would be the best option.
- Mike O. also agrees, at least do some meetings in the community if not all.
- We could rely on TC members to help with hybrid meetings, and also getting the word out.
- Larry wants to make sure that working off the list of agenda topics from the OSW TC meeting in April doesn't exclude other items from coming up. Let's change the name of those to "examples" and not limit ourselves.
- Ann suggested MRCs may be able to help coordinate meetings.
- TC agreed with this approach.

Scope

- Nicole posed the following to the group:
 - What are the desired outcomes of inviting outside experts, including tribal sovereigns, and/or WCMAC members with relevant expertise to speak on the topics and questions raised by the OSW TC?
- Mike O. noted that although we are not facing a current major obstacle in WA, it would be good to have other states share experiences and what their processes have been.
- Corey suggested setting up a presentation by Nora Hawkins from Commerce on the renewable energy plan.
 - Noted that people want to know how OSW fits into the future of renewable energy. Objective to get people educated on that, and ideas where people can go to influence that process.

- Mike N. shared that in other processes, hybrid meetings will have local public and people online. Online will probably get people from non-coastal areas. How do we make sure we are hearing from coastal people.
 - Could we ask people to say where they are from?
- Larry agreed that the main objective should be educational at this point. Will be important to get information out there and hear from people.
 - Will be good to have some pre-thought-out questions to ask the people giving the presentations.
 - Keep the topics open, let the process evolve as we move through it.

Review of table: Table 1. OSW Data and Community Research needs identified to-date.

- Nicole walked through [Table 1. OSW Data and Community Research Needs Identified To-Date](#) and gathered feedback on the topics identified. For additional discussion notes, see [Table 1](#) below.
- MSP Data Viewer
 - Larry noted that we do not have short tailed albatross listed in the list of avian species that occur in the WA coast. May not be a map layer but could be at least listed by WDFW.
 - He also flagged that we need to look at development constraints, beyond just those affiliated with the Department of Defense. (Also, PAC PARs, critical habitat areas, marine sanctuary, etc)
 - Dale shared that he would like to see some of these locations on NOAA charts much more familiar and easier to process for the fishing community.
- OSW and Fisheries
 - Brian noted that getting to cumulative impacts on CA ecosystem is important, but difficult. Could start at looking at impacts of offshore wind on physical processes (like mixing and upwelling). Could then take lessons learned from that and apply to biology.
 - If there is no physical effect, it is hard to argue there would be a biological impact.
 - Mike O. noted we need to also consider impacts on fishing processors and infrastructure that supports the fishing industry.
 - Larry shared that NOAA and NMFS fisheries did a lengthy summary on offshore wind impacts and that displacement is broader than just fisheries. Could include infrastructure, etc. and potential negative ecosystem impacts (NOAA NMFS Offshore Oregon Docket BOEM-2022-0009)
- BOEM Process
 - Mike N. recommended reps from Ecology/WDFW as speakers.
 - Corey flagged that point 3 speaks to the language that Rod brought up, could be tackled by what he brought up.
 - Larry added that this is the same for point 1, looking at the PFMC letter is part of Rod's charge to the committee.
- Offshore Wind Siting and Development Considerations
- Mike N. noted that he wants to learn about other renewable energy alternatives to OSW. Not sure where that fits exactly but is a point to include in the list.
- Lessons Learned

- Larry reiterated his desire to learn more about public comments provided to BOEM through processes in Oregon and California.
- May be interest at UW to tackle this process – Larry suggested Nives speak to this.
- Dale reiterated points he discussed in April. BOEM's incorrect use of fishing maps, etc.
- Rod tasks to the Committee
 - Larry shared that the Oregon letter was a culmination of public comments and other factors.
 - Suggested Heather Mann should be invited to explain the evolution of that Oregon letter.
 - Corey suggested rephrasing Number 1, as to what went so wrong in Oregon, and how can we avoid it here.
 - Corey suggested expanding the scope of number 2 as well.
 - The facilitation team will need to follow up with Rod to clarify the intent of the action requests.



Table 1. OSW Data and Community Research Needs Identified To-Date (red text represents edits/notes from 6/20 meeting)

Theme	Data & Community Research Needs	Forum	6/20 OSW TC Notes
MSP Data Viewer	<p style="text-align: center;">OSW TC Led Effort</p> <ol style="list-style-type: none"> 1. Discuss and identify updates to the MSP Data Viewer. This may include: <ul style="list-style-type: none"> • Identify new data layers to include • Identify necessary updates to existing data layers • Explore improvement to user interface, tools, and functionality 2. Other considerations to discuss: <ul style="list-style-type: none"> • Consider ways in which to display observation-poor data (e.g. short-tailed albatross is an Endangered Species Act listed species, but observations are rare in Washington). • Development constraints associated with Department of Defense operating areas, department of defensive flyways, PAC PARs, critical habitat area, marine sanctuary. 	OSW TC	<p>Larry: (2) first bullet – OR mapping efforts did not list short-tailed albatross</p> <ul style="list-style-type: none"> • May not be a map layer, but we should at least include it in list of avian species off of WA coast <p>OR call area recommendation – no OSW development 200 m-205 m (this was the NMFS/NOAA recommendation) BOEM 2022-0009</p>
	OSW and Fisheries	<ol style="list-style-type: none"> 1. Efforts and outcomes from the National Academies of Sciences Standing Committee on Offshore Wind Energy and Fisheries. 2. The potential displacement effects on Washington fisheries due to offshore wind development. <ol style="list-style-type: none"> a. Effects on processors, infrastructure that supports fishing industry. 3. OSW cumulative impacts on the California current ecosystem. <ol style="list-style-type: none"> a. Starting with the physical environment 	WCMAC and/or Webinar

Theme	Data & Community Research Needs	Forum	6/20 OSW TC Notes
BOEM Processes and Policies	<ol style="list-style-type: none"> 1. Pacific Fishery Management Council's request to BOEM to reinstate its call area identification process in Oregon. (more information can be found on their website) 2. BOEM's leasing process and its connection to CZMA consistency requirements and other laws. Goal to answer the question: What is the state role in BOEM's process? 3. The implications of floating offshore wind facilities with existing ocean uses. <i>Consider inviting a BOEM representative.</i> 	WCMAC and/or Webinar	<p>Presenters: rep from gov office, director of ECY, BOEM rep.</p> <p>(2) WCMAC action item</p> <p>(3) May not be a productive conversation with BOEM rep – consider other presenters</p>
OSW Siting/Development Consideration	<ol style="list-style-type: none"> 1. Projections for climate-related changes in wave and weather patterns that have been used to plan OSW in other locations. 2. Existing port infrastructure, requirements, and limitations to facilitate offshore wind development for relevant ports on the Washington Coast. 3. Potential effects of offshore wind development on vessel traffic patterns. 4. Connections between offshore wind and tribal treaty rights, as well as any potential impacts to these rights. 	WCMAC and/or Webinar	
Lessons Learned	<ol style="list-style-type: none"> 1. Efforts used in other locations to assess impacts from floating offshore wind on nearshore tide patterns, upwelling, and geologic hazards. 2. Identify areas where offshore wind and existing ocean uses coexist with positive outcomes for both uses. 	WCMAC and/or Webinar	(2) there are no FOSW developments of significance
	<p style="text-align: center;">OSW TC Led Efforts – Potential Meeting Focus</p> <ol style="list-style-type: none"> 3. Public Comment overview of OSW leases permit processes – identifying recurrent themes. <i>Sea Grant could lead.</i> 4. Review examples of offshore wind planning efforts and their connection to existing ocean uses to determine lessons learned. Identify pitfalls to avoid and other information to help inform efforts in Washington. 5. Track development progress in other states and regions like California, Oregon, the Gulf of Mexico, the East Coast, and Europe (specifically focused on floating offshore wind). Focus on sites and offshore wind energy areas with characteristics similar to those in Washington. 	OSW TC	(3) worthwhile effort and not captured/reflected by BOEM at this time

Theme	Data & Community Research Needs	Forum	6/20 OSW TC Notes
Economics	<ol style="list-style-type: none"> 1. Social implications and impacts of offshore wind development. 2. Economic considerations behind offshore wind development and operation including power purchase agreements and consumer impacts. 3. Potential effects of offshore wind development on energy transmission in the Pacific Northwest and potential effects to coastal communities. 	WCMAC and/or Webinar	Explore renewable energy alternatives to OSW.
WCMAC Action Items	<p style="text-align: center;">OSW TC Led Effort</p> <ol style="list-style-type: none"> 1. Seek to understand the process used to develop the Oregon letter to BOEM. 2. Review RCW 43.143 to identify what facets WCMAC are not considering related to OSW. At the September WCMAC meeting, outline the next steps WCMAC needs to consider. 3. Inquire what areas the Governor’s office is studying with OSW (regarding the recent trip to Denmark and Scotland). 	OSW TC	(1) Heather Mann – potential presenter

WASHINGTON COASTAL MARINE ADVISORY COUNCIL

Offshore Wind (OSW) Technical Committee

July 18, 2023
1pm – 3pm

Meeting Highlights

- The Technical Committee responded to the WCMAC Chair's three requests from June 2023 WCMAC meeting.
- The Committee reviewed and discussed RCW 43.143.060 to identify duties that WCMAC is potentially not meeting. Committee members discussed the role of WCMAC, the statute's language, and other relevant policies (such as the MSP). Many committee members felt as though WCMAC was generally meeting most or all of the duties outlined in RCW 43.143.060.

Participants

WCMAC & TC Members

- Dale Beasley, Commercial Fishing representative (TC Co-Chair)
- Larry Thevik, Commercial Fishing representative (TC Co-Chair)
- Brian Polagye, Energy representative
- Corey Niles, WDFW representative
- Arthur "RD" Grunbaum, Coastal Conservation group representative
- Nives Dolsak, Educational institution representative
- Doug Kess, Pacific County MRC
- Rich Doenges, Department of Ecology representative

TC Members & Facilitators

- Mike Okoniewski, Pacific Seafood Consultants
- Ann Skelton, Pacific County MRC
- Heather Hall, WDFW
- Brandii O'Reagan, WA Sea Grant
- Mai Aoki, Ecology
- Nicole Gutierrez, Cascadia
- Jimmy Kralj, ESA
- Alle Brown-Law, Cascadia

Meeting Summary

Welcome and Agenda Overview

- Nicole reviewed the agenda and went over the WCMAC meeting ground rules included in the 7/18 meeting packet.

Review 6/20 Meeting Summary

- Larry requested several changes to the 6/20 Meeting Summary, including:

- Under “Approach” section of Action Plan Development Phase 1, the statement should read “Larry cautioned moving too far forward before a straw man list of the data and research needs is developed.” Larry wants to have a better understanding of the data and research needs, but we do not need to have a comprehensive list of *all* data needs.
- On page three, the first solid bullet should read that Larry noted the need to identify the data gaps and research needs, but we won’t have an expectation or obligation to fill them.
- On page three, the statement beginning “Larry shared that related to enforceable policies...” should be edited to read, “Larry shared that within ORMA and within enforceable policies, that the first two leading prescriptions are...”
- On page five, under “OSW and Fisheries” the third hollow bullet should read “Larry shared that NOAA and NMFS did a lengthy summary on offshore wind impacts... including infrastructure and potential negative ecosystem impacts.”
- Mike Okoniewski requested that, under “Approach” section of Action Plan Development Phase 1, the statement should read “Mike O. asked *if* BOEM should be involved...”
- Larry provided edits to Table 1 in the 6/20 Meeting Summary. In the row on “MSP Data Viewer,” he clarified that BOEM’s Oregon mapping efforts did not list short-tailed albatross. He further noted that NOAA NMFS recommended no development within a 200 – 250-meter range. He recommended NMFS’s Synthesis of Science “NMFS-NE-291.”
- To keep enough time for other agenda items, the Technical Committee did not finalize the 6/20 meeting summary and will discuss it further at the August Technical Committee meeting.

Updates and Announcements

- Nicole shared the new Box folder for Technical Committee members. The Box folder will be a place for shared materials. Nicole is available to troubleshoot any access issues that may arise. Several Technical Committee members had trouble accessing Box.
- Mai shared an update on Ecology’s data gap prioritization process. Since meeting with the Technical Committee in February, Ecology has adapted the prioritization process based on the Technical Committee’s feedback that it was difficult to identify the data gaps due to lack of expertise. Mai has been interviewing subject matter experts for their feedback on data and research needs, and to refine the list of data gaps. Mai has focused on biology, ecology, and oceanography categories, interviewing at least one subject matter expert in all the sub-categories. In the next few weeks, she will start the interviews for socioeconomic and culture data gaps interviews, as well as working on tribal engagement.
 - Larry noted that, in the February meeting, Technical Committee members identified the early life stages of invertebrate species as a data gap. He shared that industrialized wind energy in the ocean could impact the California Large Marine Ecosystem current, which plays a major role in all stages of marine life including the early stages, like the larval stage of Dungeness crab, for example. Larry also recommended that there should be a poll to Technical Committee members to create a strawman list of data gaps, as it is important for stakeholders to identify the research needs as they have experienced them.
 - Mai responded that the benthic invertebrate sub-category does include data gaps on early marine survival and the ocean larval phase, as per the Technical Committee’s suggestion. Mai shared that Ecology is talking with experts first to

learn what topics are and are not data gaps, and once they narrow down the data gaps based on conversations with subject matter experts, they will consult with coastal stakeholders.

- Larry expressed his concern about the possibility of state agency experts dictating what the data gaps are. He commented that ocean users are experts as well, and stakeholders and the Technical Committee need the flexibility to provide input on what the data gaps are.
 - Mike O. noted that he could recommend several sardine experts to Mai, and asked if estuary food systems could be added to the data gaps list.
- Dale commented that he feels the Technical Committee meetings are too short, and he recommended the committee should meet twice as often. He expressed regrets that the Committee did not try to ask for more money from the legislature, noting that WCMAC has unique influence for coastal communities.
- Larry agreed with Dale, noting that we need more time, and recommending that the Technical Committee meet twice in August.
- Nicole asked if Committee members were available on 8/15 for the Technical Committee meeting; most attendees gave thumbs up.

WCMAC Chair Requests – Governor’s Office

- The Business Network for Offshore Wind, in partnership with the Port of Seattle, organized a study tour in Denmark and Scotland in April 2023. The tour focused on infrastructure for supply chain development of offshore wind components and the delegation of representatives visited several ports to learn about their support of OSW facilities. They also attended the Wind Europe Conference and discussed some of the permitting processes and issues related to siting OSW facilities.
- The Northwest Seaport Alliance hosted a panel debrief of the study tour in May. The video recording can be viewed here (debrief starting around minute 10): <https://portal.veconnect.us/p/nwseaportalliance/e/a22cd92bccdadd28aad902acebf2a698>
- Carrie Sessions will provide an overview at the September WCMAC meeting. If OSW TC members have questions for Carrie, or information they’d like to hear about, the facilitation team can pass those requests along to Carrie.
 - Mike O. is interested in the questions the delegation asked during the tour/conference, the answers they heard, and the topics covered.
 - Larry is interested in costs to consumers in the European experience. He would also like to know the analysis on ecosystem, oceanographic, hydrologic effects from North Sea wind farms.
 - Dale agreed with Larry’s question about cost to consumers.
 - Regarding cost, Brian shared an annual report from Office of Energy Efficiency and Renewable Energy that looks at global purchase prices for OSW construction (broken down between floating vs. fixed bottom): <https://www.energy.gov/eere/wind/articles/offshore-wind-market-report-2022-edition>. He warned against extrapolating from the European cost since OSW in Europe has been in place for at least a decade longer, and they have significant port infrastructure.
 - Nives would like to know what the delegation learned about permitting fishing and/or other activities in wind farm areas, and how other entities respond to a lack or withdrawal of power purchase agreements.
 - Dale noted that the price of turbines has gone up 38% in the last two years. He shared that costs will only continue to increase in the future.

- Mike O. wondered if the delegation got any feedback on supply chain issues.

WCMAC Chair Requests – Oregon Letter

- Nicole clarified with Rod to understand his request better. Rod was interested in understanding the process behind the development of the letter – what it took to bring all those parties together, how coastal community feedback was captured and represented in that letter. This aligns with our plan to invite someone like Heather Mann to speak to WCMAC about the Oregon process.
- Larry agreed that Heather Mann is the best person to present on the Oregon letter process, and suggested that Heather participate in the August OSW Technical Committee meeting, to give TC members a preview of Heather’s presentation before the September WCMAC meeting.
- Corey disagreed with the questions that Rod proposed for Heather; Corey commented that we all know what went wrong in Oregon and don’t need further presentation on it. He is more interested in asking: How can we do better than Oregon, so Washington communities don’t feel like Oregon communities do? What could have gone differently in Oregon to ensure community members were satisfied with the process?
- Mike O. agreed with Larry and Corey, there is much more to this story than what happened in the month before the letter was published. He shared that it’s the culmination of three years of miscommunication and anger over the way BOEM treated community members and the taskforce. BOEM only gave 18 hours’ notice before announcing the call area.
- Dale agreed with Mike O. BOEM only gave 18 hours’ notice before the call area was made public. Dale believes congressional action may be needed to change BOEM’s processes.
- Nicole recommended that Larry is the point of contact with Heather Mann.
 - Larry also suggested Mike O., since Mike is regularly in contact with Heather.

WCMAC Chair Requests – Review RCW 43.143

- Jimmy introduced the agenda item, sharing that in response to Rod’s request for the Technical Committee to review RCW 43.143, the Technical Committee will review the RCW and identify points within the RCW that WCMAC is not currently considering related to OSW, and potential action items WCMAC should take to address these gaps. The Technical Committee will discuss the RCW in breakout rooms.
- Larry appreciated Rod’s intent, but shared his concern that this request is too narrow in scope. The RCWs that prompted, enabled, and clarified WCMAC’s duties and purposes are RCW 43.143 *plus* RCW 43.372, and WAC 173-26-260. Larry cautioned narrowing our scope if we only look at RCW 43.143.
- Dale agreed with Larry and shared that he thinks the Technical Committee also needs to review the other legislation Larry mentioned and the CZMP. He feels that there is legislative intent in the bill that’s not in the RCWs.
- Corey shared that he had a similar thought to Larry but noted that the other RCWs that Larry identified are all connected to/within RCW 43.143.

Breakout Group Discussions

Group 1

- Members of Group 1 were more interested in discussing work that lies ahead for the WCMAC and the OSW TC and identifying ways in which to meet the identified WCMAC

objectives through this upcoming work. Some members noted that in terms of offshore wind, there has not been enough decisions and actions made by BOEM for the OSW TC to respond to.

- Group 1 was primarily interested in the enforceable policies of the Coastal Zone Management Act and how they would apply under a BOEM-led process in Washington. The group expressed a desire to better understand these policies and identify areas in which the state can influence the process.

Group 2

- Group 2 identified the following as duties from RCW 43.143.060 that WCMAC is not currently meeting, or duties that TC members had questions about:
 - 1c) TC members shared that this duty will become increasingly important as offshore renewable power begins to create more ocean use conflicts. WCMAC could develop a methodology that can be used to mediate disagreements as they come up.
 - 1e) A TC member flagged that we have not had a discussion on identifying and pursuing public and private funding opportunities related to OSW. There is not necessarily a need to do this right now, but could consider what the process would look like and how the TC could do this well.
 - It was also flagged that, overall, WCMAC is meeting most if not all the duties in RCW 43.143.060.
- Group 2 also commented on the following:
 - There are other codes related to WCMAC duties that need to be considered.
 - It is important to ensure strong, well rounded, and diverse expertise on WCMAC and TCs when discussing topics such as OSW.
 - This diversity of perspective is especially critical for Duties 1f and 2 in RCW 43.143.060.
 - The WA state energy strategy is difficult to discuss when we don't have OSW in a state level strategy. We don't have a clear understanding of the role of OSW in WA state.
 - In RCW 43.143.060, Duty 1d could act as a resource to coastal communities on understanding the cost of OSW.

Group 3

- Group 3 identified the following as duties from RCW 43.143.060 that WCMAC is not currently meeting, or duties that TC members had questions about:
 - 1b) TC members noted that WCMAC is successfully serving as a point of contact but were unsure if WCMAC was supposed to be *the primary* point of contact.
 - 1c) TC members asked if WCMAC has ever mediated any disagreements before, and what this mediation role could look like. TC members wondered if WCMAC is intended to be a forum for mediating internal disagreements (between WCMAC members themselves) or external disagreements.
 - 2b) TC members asked if the intent behind Duty 2b was “the protection and preservation of existing sustainable uses” from *immediate* impacts or from *indirect* impacts?
- TC members shared RCW 43.143.010 – the legislative intent section of the RCW. The group discussed item 3 in RCW 43.143.010 (“When conflicts arise among uses and activities...”), with some TC members noting that both OSW and fishing could be renewable resources and wondering how this intent applies to OSW. Other TC members shared that OSW impacts are still relatively unknown, and may take decades to become clear.

- TC members noted that while there are no active leases right now, it's important that BOEM reviews and knows all the relevant rules and policies impacting OSW leasing, siting, and development.

Full Group Discussion

- Dale commented that protecting our coastal communities is our first priority. It is important to understand the history of WCMAC and the founding legislation; when developing this legislation, the Washington legislature was protecting fishing and coastal communities. Additional ocean uses, such as ocean energy, cannot fit in if they hurt our coastal communities.
- Corey commented that Washington state took these statutes and turned them into the enforceable policies, and the enforceable policies are how these statutes are enforced. The history of how the legislation was created does not influence how the statutes are enforced. In the BOEM process, what will matter are only the words written in the statutes and enforceable policies.
- Larry disagreed with Corey and commented that the history does matter. In the Washington Supreme Court Grays Harbor Oil Terminal ruling, the Court stated that they are interpreting the statutes based on the intent of the legislature. Larry noted that any new ocean use must defend its purpose rather than the present ocean users defending their purpose. He recommended that the Technical Committee also review the WAC 173-26-360 that followed RCW 43.143 and RCW 43.372.
- Corey agreed with Larry – if this ever comes to a federal judge, they will review the statutes and the enforceable policies. Corey suggested that the Technical Committee needs to understand how the enforceable policies apply to OSW.
- Dale shared that in the Grays Harbor terminal case, once the attorneys reviewed the RCWs, they presented this to the Supreme Court, resulting in a 9-0 decision. Dale commented that this is an important piece of history for the legislation.
- Corey commented that the Grays Harbor terminal case does not apply here; it was a case where they decided whether ORMA applied. In regard to offshore wind, there is no question whether ORMA will be applicable to these activities – it will apply. Corey encouraged the Technical Committee to instead review the enforceable policies and ask: 'What will the federal government do with these policies?'
- Jimmy shared that we could consider digging into these enforceable policies further.
- Nicole thanked everyone for attending. She will follow up with folks who are having issues accessing the new Box folder.
- Larry asked if the next Technical Committee meeting could have an additional 30 minutes added to the agenda.

Action Items

- Facilitation team to coordinate with Mike O. and Larry on reaching out to Heather Mann.
- Nicole will reach out to members experiencing BOX access issues.
- Next meeting August 15, 2023 from 1-3pm.



Appendix C. Meeting Presentations

Please see meeting presentations for the WCMAC meeting on the next page.



September WCMAC Meeting

Sept. 13th, 2023



WASHINGTON
COASTAL
MARINE
ADVISORY
COUNCIL



Introductions & Agenda Review

Rod Fleck and Mike Chang

WCMAC Agenda

Time	Agenda Item
9:30 – 9:55 AM	Welcome and Introductions, Agenda Review
9:55 – 10:15 AM	WCMAC Updates
10:15 – 10:45 AM	Updates
10:45 – 11:15 AM	Oregon Letter to BOEM
11:15 – 11:30 AM	CZM Habitat Protection and Restoration Bipartisan Infrastructure Law Competition Department of Commerce
11:30 – 11:45 AM	Public Comment
11:45 AM – 12:45 PM	Break
12:45 – 1:15 PM	Governor's Office Updates on Offshore Wind
1:15 – 2:15 PM	Offshore Wind Updates
2:15 – 2:40 PM	Marine Resources Advisory Council Updates: Carbon Dioxide Removal
2:40 – 3:00 PM	Public Comment
3:00 PM	Adjourn and Next Steps

Reminder

This meeting will be broadcast live and recorded by TVW.

Ground Rules

1. Be Respectful

- Listen when others are speaking. Do not interrupt and do not participate in side conversations. One person speaks at a time.
- Recognize the legitimacy of the concerns and interests of others, whether or not you agree with them.
- Cooperate with the facilitator to ensure that everyone is given equitable time to state their views. Present your views succinctly and try not to repeat or rephrase what others have already said.
- Silence cell phones and refrain from using laptops during the meeting, except to take notes.

Ground Rules

1. Be Respectful

2. Be Constructive

- Participate in the spirit of giving the same priority to solving the problems of others as you do to solving your own problems.
- Share comments that are solution focused. Avoid repeating past discussions.
- Do not engage in personal attacks or make slanderous statements. Do not give ultimatums.
- Ask for clarification if you are uncertain of what another person is saying. Ask questions rather than make assumptions.
- Work towards consensus. Identify areas of common ground and be willing to compromise.
- Minimize the use of jargon and acronyms. Attempt to use language observers and laypersons will understand.

Ground Rules

1. Be Respectful

2. Be Constructive

3. Be Productive

- Arrive on time and stay until the meeting is adjourned.
- Adhere to the agenda. Respect time constraints and focus on the topic being discussed.
- Volunteer for tasks between meetings.

Ground Rules

1. **Be Respectful**
2. **Be Constructive**
3. **Be Productive**
4. **Bring a Sense of Humor and Have Fun**

Expectations for WCMAC Members

- If online, please **raise your hand or indicate in the chat**
- Chair is going to acknowledge WCMAC members in order

Expectations for Observers

- If in-person, **please sign in and indicate** if you want to make a public comment during the public comment period via link.
- Chat is still available for virtual participants.
- **Public comment periods are NOT for WCMAC members.**

Roll Call - Introductions

- Please state that you are here for a tech check

Adopt June Meeting Minutes



WCMAC Updates

Membership updates

Announcements

Workplan updates

WCMAC Updates

- Membership updates
- Announcements
 - Annual elections
 - Work plan and topic elevation
 - WCMAC Accomplishments
 - New public comment protocol





Updates

- Governor's Office Updates
- MRC Updates
- Agency Updates
- General Coastal Updates
- Technical Committee Updates
- MRAC Update

Updates

- Governor's Office Updates
- MRC Updates
- Agency Updates
- General Coastal Updates
- Technical Committee Updates
- MRAC Update





Oregon Letter to BOEM

Heather Mann, Midwater Trawlers Cooperative



BIL and IRA Funding Competitions

Olivia Zimmerman, Ecology



Public Comment #1

Public Comment

03:00

mins: secs: type:

 Breaktime for PowerPoint by Flow Simulation Ltd. Pin controls when stopped

Lunch Break

- Please reconvene at 12:45pm at this same Zoom link.



Governor's Office Update on OSW

Carrie Sessions, Governor's Office





OSW Updates

Nicole Gutierrez, Facilitator

OSW Technical Committee

Jennifer Miller, BOEM

Juan Carlos Gomez, BOEM



MRAC: Carbon Dioxide Removal

Jessica Cross, PNNL



Public Comment #2

Public Comment

03:00

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 Breaktime for PowerPoint by Flow Simulation Ltd. Pin controls when stopped



**Thank You for
Participating**



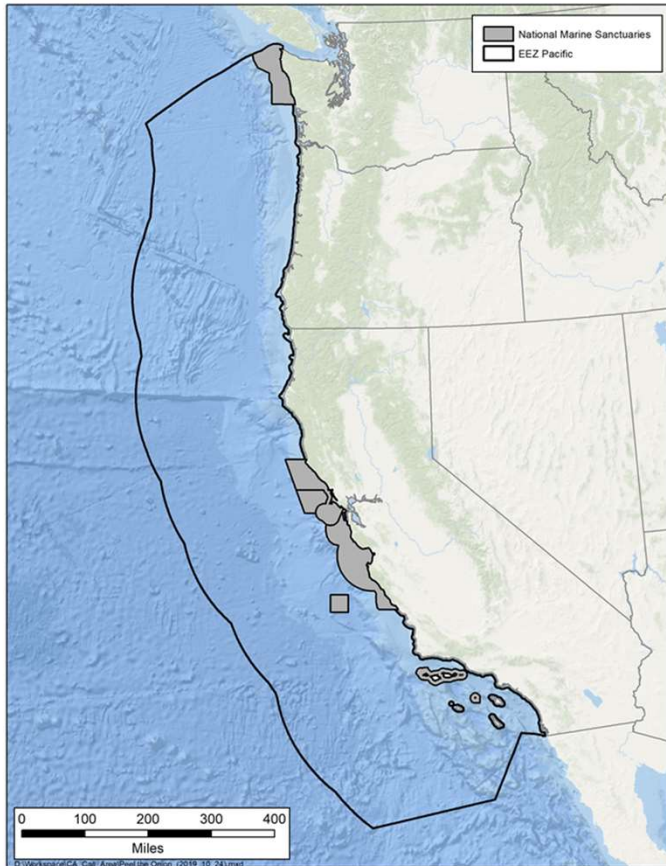
BOEM Bureau of
Ocean Energy Management

Pacific Region Offshore Wind Energy

Washington Coastal Marine
Advisory Council (WCMAC)

Updated September 13, 2023

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

- OCS extends from 3 to 200 nautical miles off the coast of California, Oregon, and Washington
- Excludes National Marine Sanctuaries





BOEM's Staged Offshore Wind Energy Authorization Process



Planning & Analysis

~ 2 YEARS

- Intergovernmental Task Force
- Request for Information or Call for Information and Nominations
- Area Identification
- Environmental Reviews



Leasing

~ 1-2 YEARS

- Publish Leasing Notices
- Conduct Auction or Negotiate Lease Terms
- Issue Lease(s)



Site Assessment

UP TO 5 YEARS

- Site Characterization
- Site Assessment Plan



Construction & Operations

~ 3 YEARS (+25)

- Construction & Operations Plan
- Facility Design Report and Fabrication & Installation Report
- Decommissioning
- Environmental and Technical Reviews

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

California Offshore Wind Lease Updates



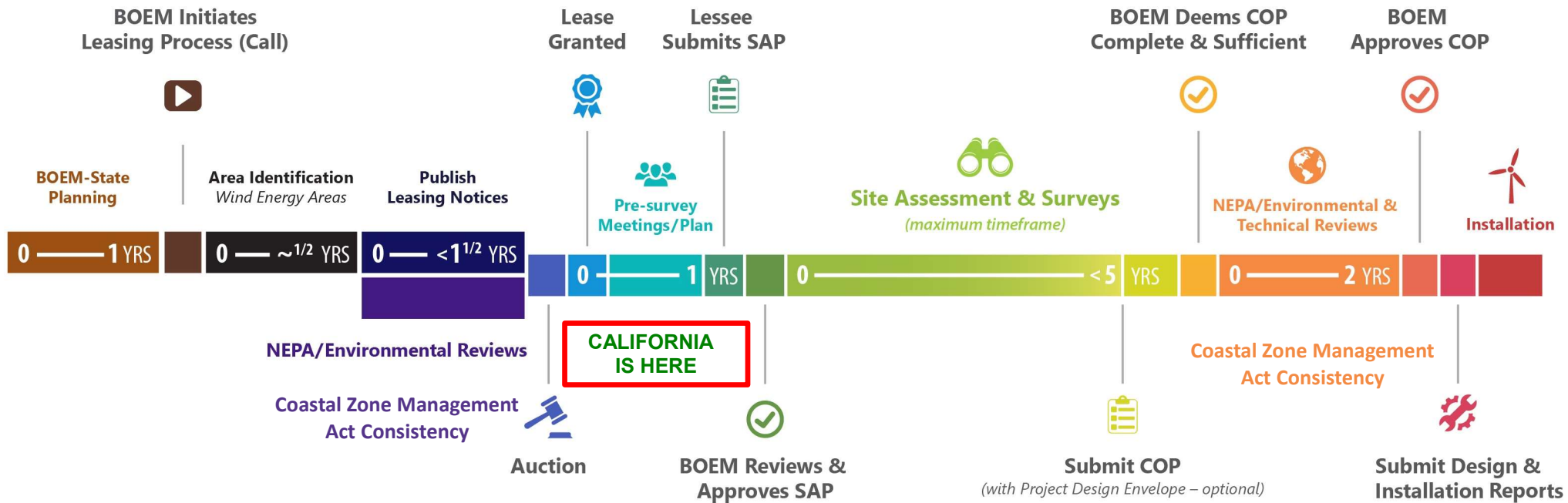
BOEM Commercial Offshore Wind Authorization Process: California

[Planning & Analysis]

[Leasing]

[Site Assessment]

[Construction & Operations]



BOEM welcomes Tribal Consultation throughout the process.

Oregon Offshore Wind Update



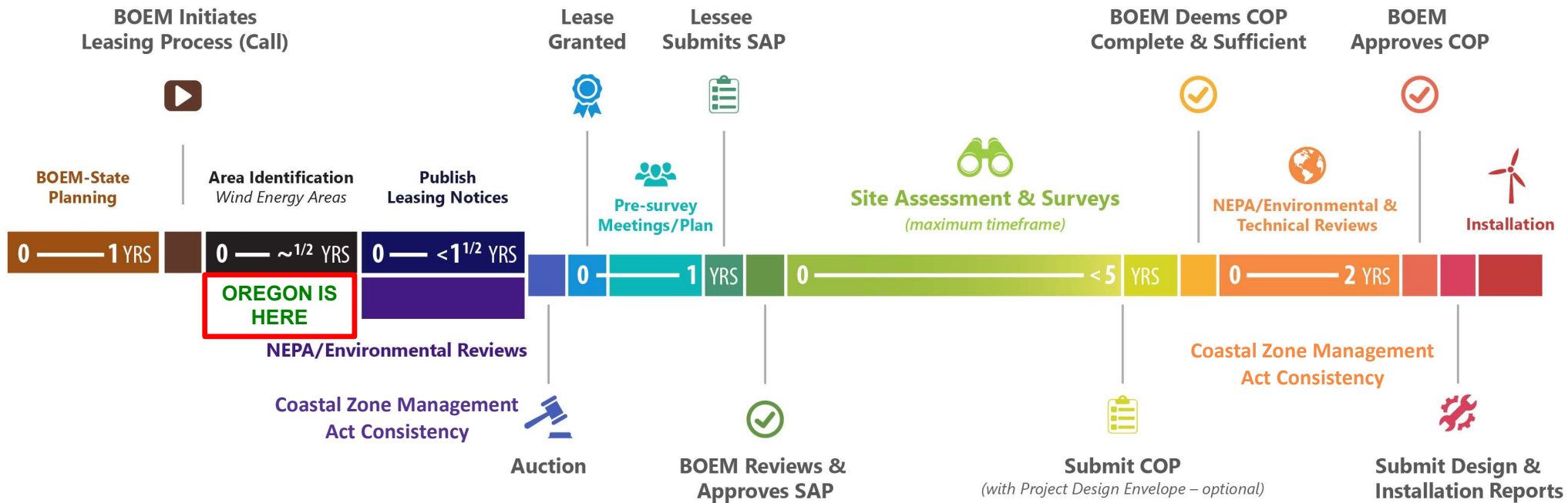
BOEM Commercial Offshore Wind Authorization Process: Oregon

[Planning & Analysis]

[Leasing]

[Site Assessment]

[Construction & Operations]



BOEM welcomes Tribal Consultation throughout the process.

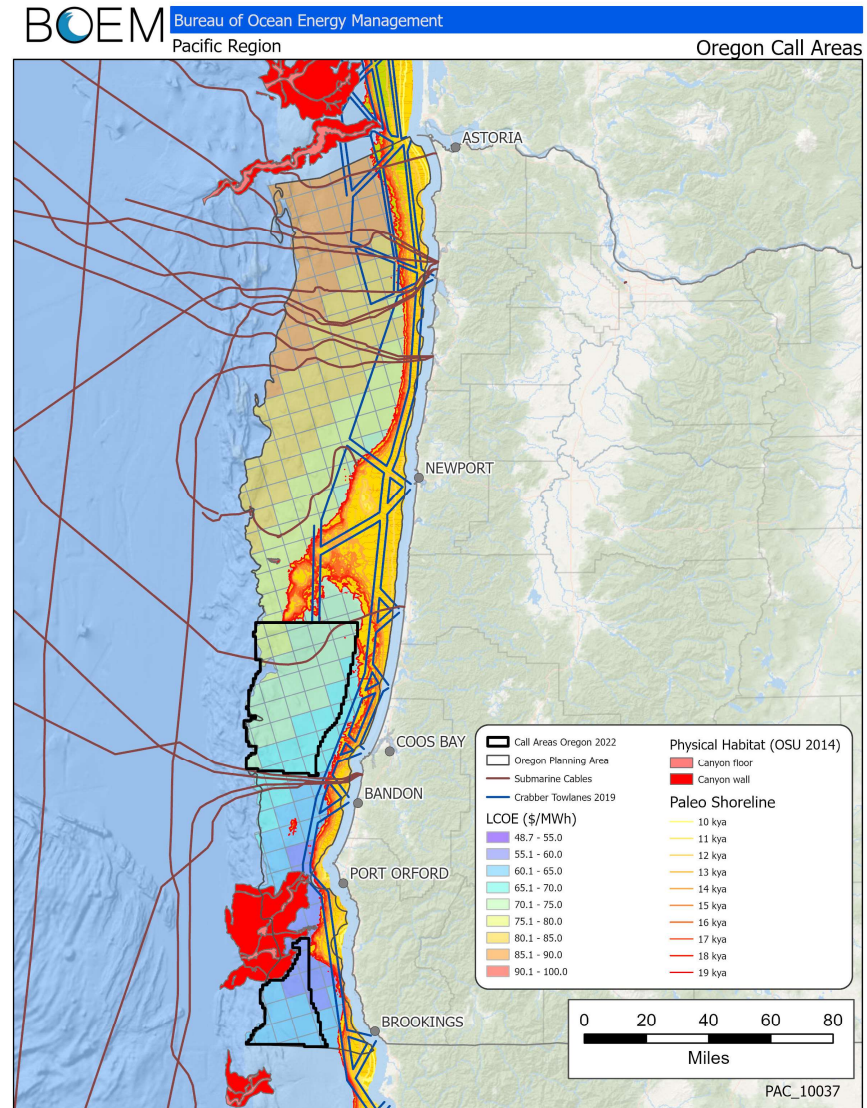
Approach for Offshore Wind Energy Planning in Oregon

- Establish a data gathering and engagement plan in collaboration with Oregon DLCDD and with Task Force input
- Create OROWindMap for data collection in publicly accessible website
- Conduct extensive outreach and engagement with stakeholders (120+ meetings since 2020)
- Published Call for Information and Nominations in the Federal Register in April 2022: 278 comments, 4 nominations
- Coordination, outreach and engagement with Tribal Governments, State of Oregon, Federal agencies, State agencies
- Employing scientific studies and spatial analyses to support informed decision-making
- Publish Draft Wind Energy Areas for comments



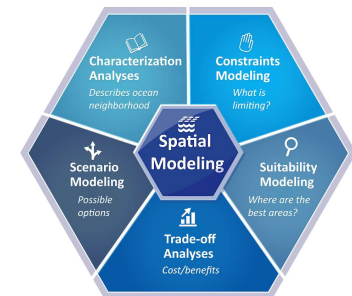
Call Area Development

- 12 nautical miles (13.8 miles)
- 1,300 meter depth contour (4,300 ft)
- Wind Speed
- Levelized Cost of Energy (LCOE) (\$/MWh)
- Paleo Shorelines
- Undersea Canyons
- Crabber Tug Tow Lanes
- Undersea Cables



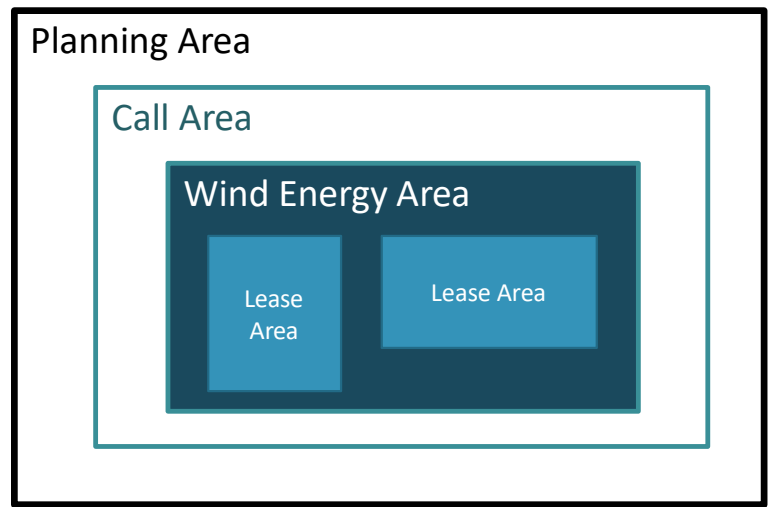
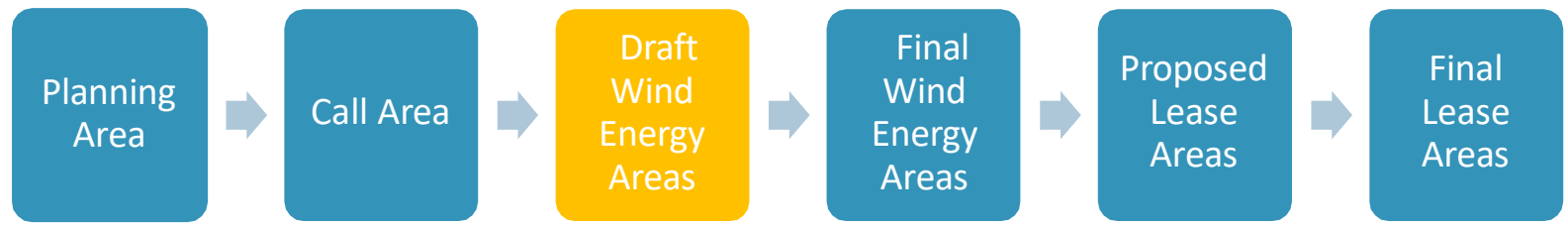
BOEM's Response to Comments and Feedback

- Added Draft Wind Energy Area (WEA) step to the process to improve transparency and allow for input from Tribal Nations, stakeholders, and the public
- Draft WEA development includes: input from government-to-government consultations; engagement with Federal, State, and local agencies; public comments received on Call Areas; BOEM-funded studies; and NOAA NCCOS spatial suitability modeling
- Increased fishing outreach discussions and opportunities for input
- Provided information on the Draft WEAs to the Tribal Nations for consideration and input prior to publication
- Created full-time Tribal Liaison position at BOEM Pacific Office
- Conducted Visual Simulations study

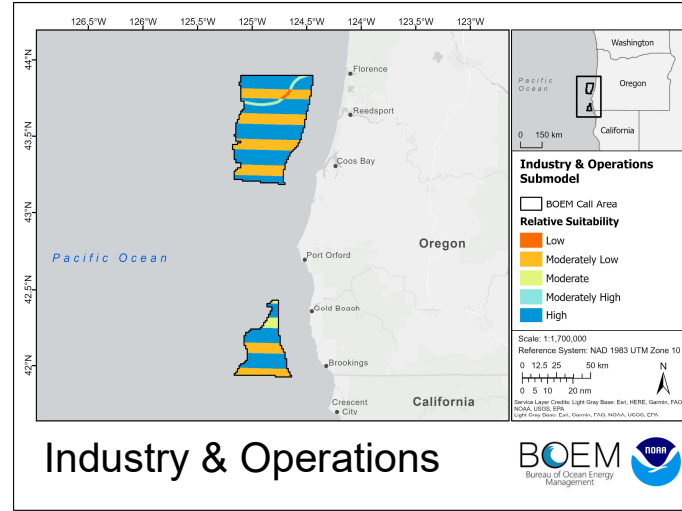
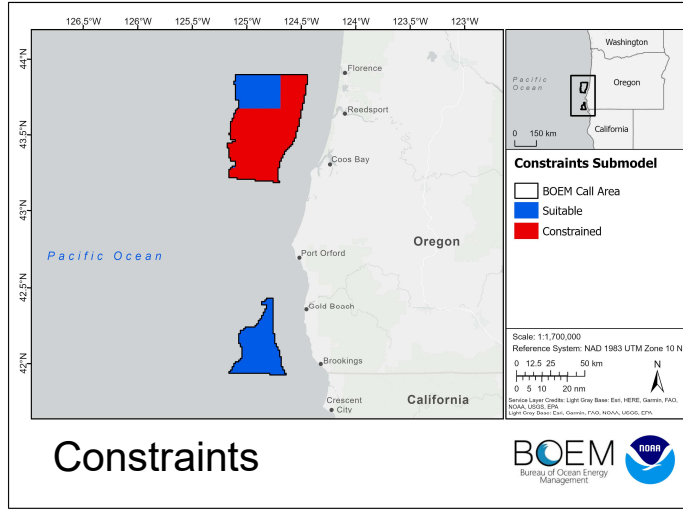




New Step in BOEM Oregon Planning Process – Draft Wind Energy Area

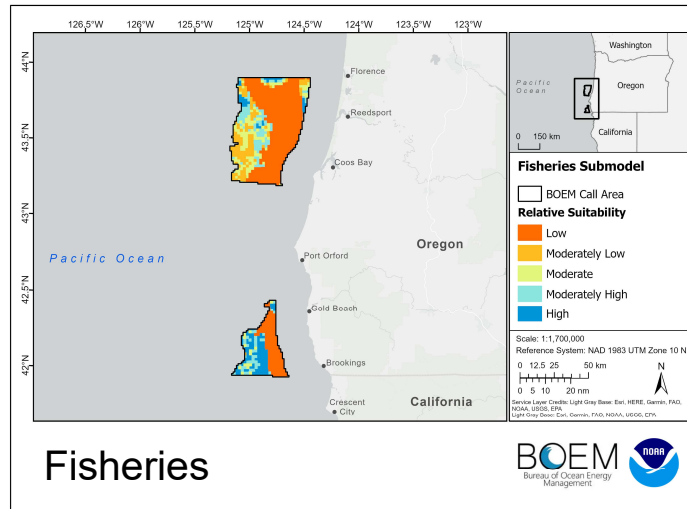
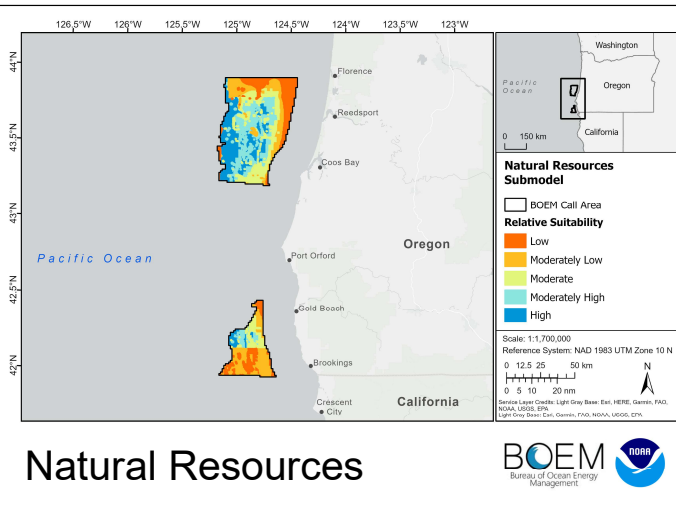


Sub-models Used and Results



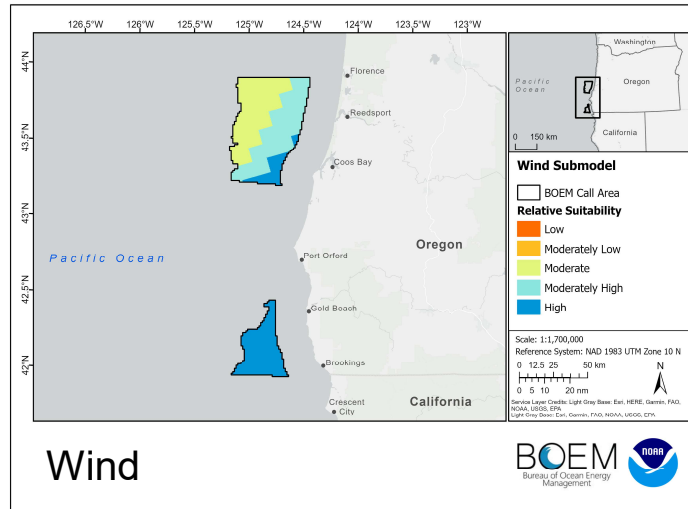
Constraints

Industry & Operations



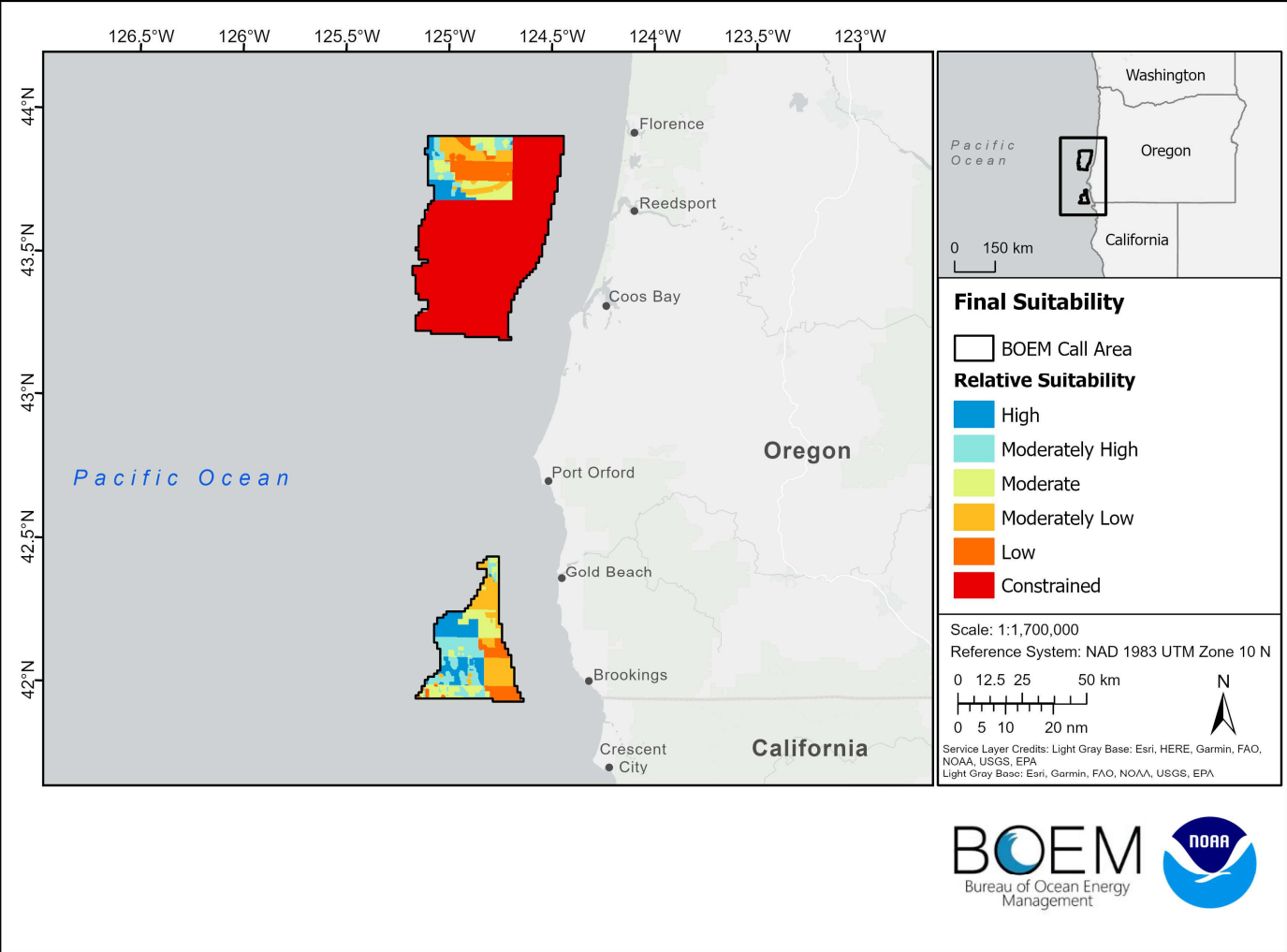
Natural Resources

Fisheries



Wind

Final Suitability: Results



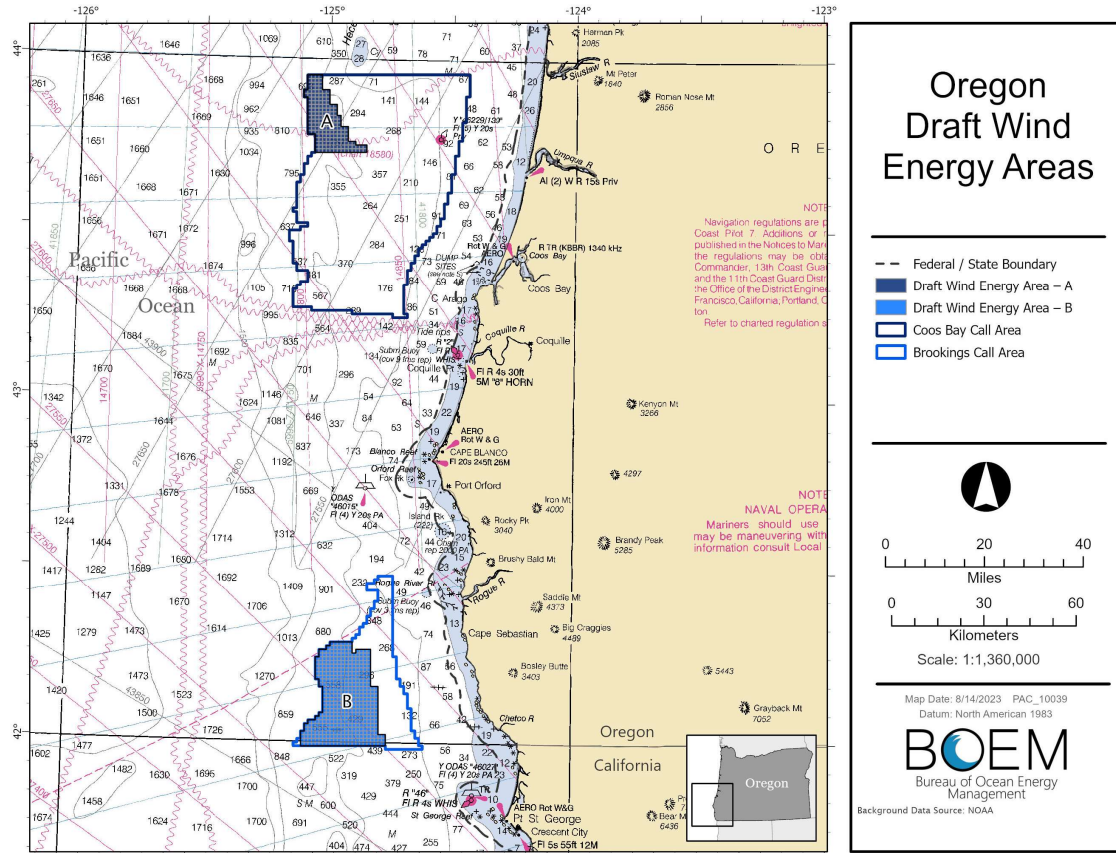
Oregon Draft Wind Energy Areas

- Draft WEA – A (Coos Bay Call Area)

- 61,204 acres
- ~740 MW
- 32 miles nearest to shore
- 40 miles to Port of Coos Bay

- Draft WEA – B (Brookings Call Area)

- 158,364 acres
- ~1,920 MW
- 18 miles to shore
- 23 miles to Port of Brookings



BOEM

Bureau of Ocean Energy
Management

BOEM.gov



NCCOS

NATIONAL CENTERS FOR
COASTAL OCEAN SCIENCE

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www.boem.gov/pacific-region