



**A Strategic Alliance for Maritime
Innovation and a Sustainable Blue Economy**

Current State of WA in the West Coast OSW Supply Chain

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Washington Maritime Blue is a non-profit (501c3), strategic alliance formed to accelerate innovation and sustainability in support of an inclusive blue economy. Maritime Blue works to create a world-class, thriving, equitable and sustainable maritime and ocean industry through knowledge sharing, joint innovation, entrepreneurship, commercialization, business and workforce development.



Strategic Focus & Leadership in the Blue Economy

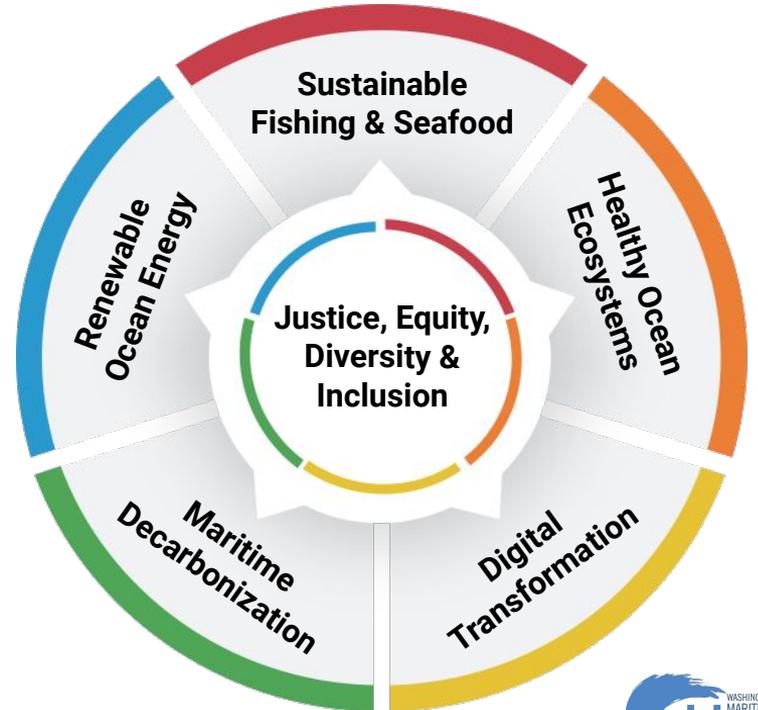
This we KNOW

Ocean based solutions and the Blue Economy are critical for addressing the climate crisis while supporting thriving and equitable communities with significant economic opportunities.

HOW we do it

Ocean/Maritime Innovation Clusters activate and catalyze public/private/philanthropic capacity to accelerate innovation, investment, and community development.

Industry leaders / Public Sector / Research Institutions / Community Organizations



Industry Members



Community Partners



A Strategic Alliance for Maritime Innovation and a Sustainable Blue Economy

Research Institutions



Public Partners





Impactful Programs to Accelerate the Blue Economy



Blue Ventures

Supporting Entrepreneurship
and Capital Investment



Strategic Initiatives

Knowledge Sharing and
Leadership Coordination



Equity Engagement

Career Connected Workforce
and Employer Development



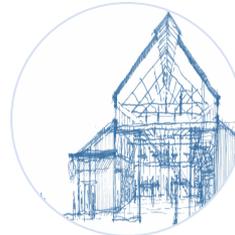
Quiet Sound

Reducing Noise Impacts on
Southern Resident Orcas



Joint Innovation

Collaborative Project
Management for Innovation



Blue Hub

Home for Facilitation &
Convening





- Federal Goal of 30 GW of offshore wind (OSW) power by 2030 with a goal of 15 GW of floating OSW deployment by 2035
 - CA goal of 2-5 GW of OSW by 2030 & 25 GW by 2045
 - OR goal of 3 GW of OSW by 2030
 - *WA energy strategy includes consideration for up to 3 GW by 2045*
- OSW development is coming to the West Coast -
 - 2022 Lease Auction in CA
 - Anticipated 2024 Lease Auction in OR
 - *2 Unsolicited Lease Proposals in WA*
- \$109 Billion revenue opportunity to businesses in the OSW supply chain over the next decade [2021, Special Initiative for Offshore Wind]
- Recent Lease Auctions have included requirements for developers to invest in regional supply chain, workforce development, and community benefits including fisheries compensatory mitigation





- Leadership from CA at a State level for engagement in federal partnerships
 - National Offshore Wind Research and Development Consortium (NOWRDC) membership
 - Federal-State Offshore Wind Implementation Partnership
- Ports taking the initiative
 - Ports of Humboldt and Long Beach for development of OSW infrastructure
 - Planning by Port of Coos Bay for possible infrastructure development for OSW
 - [REACH, San Luis Obispo & Santa Barbara Counties, and City of Morro Bay Port Infrastructure Study](#)
 - [CA State Lands Commission Alternative Port Assessment](#) – to support OSW project
- West Coast Ocean Alliance - acknowledging Offshore Wind as a key convening topic for 2023
- State and Regional Convenings
 - Inaugural Northwest OSW Conference by the Pacific Ocean Energy Trust (POET)
 - Pacific Offshore Wind Summit by OSW California



- *WCMAC* - advising Governor's office on engagement in leasing process
- *NREL West Coast Port Strategy Study* - Participation by WA industry, organizations, Ports, and State
- *AAPA OSW Subcommittee* - Participation by Port of Longview
- *International Learning Delegations* - Port of Seattle led delegations to Europe to understand OSW
- *NWSA Study Session on OSW*
- Legislators beginning to engage with constituents
- Engagement from WA Commerce in OSW Supply Chain conversations
- Maritime Blue-led ad-hoc conversation with partners on WA's Supply Chain opportunities



All American Marine delivers offshore wind survey vessel



GE, Glosten Present 12 MW Floating Wind Turbine Concept



SAFE Designs Autonomous Survey Boat for Jones Act Wind Market



NEW BEDFORD FOSS TERMINAL OPENING TO SUPPORT OFFSHORE WIND

Eureka, Crowley Celebrate New Office to Advance Renewable Energy in California

Platypus Marine to build Jones Act compliant offshore wind vessel for Damen





- Current gaps:
 - Knowledge gap from existing and adjacent industries
 - Broad regional understanding of market potential
 - Mechanism for ensuring cross-collaboration across organization types, broader West Coast region
 - Understanding of ways for most likely impacted groups (tribal nations, coastal communities, and fishing industry) to engage in the supply and value chain development process to ensure direct, targeted, and needed benefits
 - Understanding of possible environmental impacts
- ***WA is uniquely positioned to participate in the OSW Industry***
 - Opportunity to learn from our neighbors, East Coast, and international partners
 - Maritime, advanced manufacturing, aerospace, and technology expertise
 - Naturally deep water ports



A Collaborative Approach to Equitable Benefits from OSW Supply Chain Development

TIME to establish a coordinated effort

One of the surest and most effective ways to combat climate change is through the transition to Renewable Energy sources.

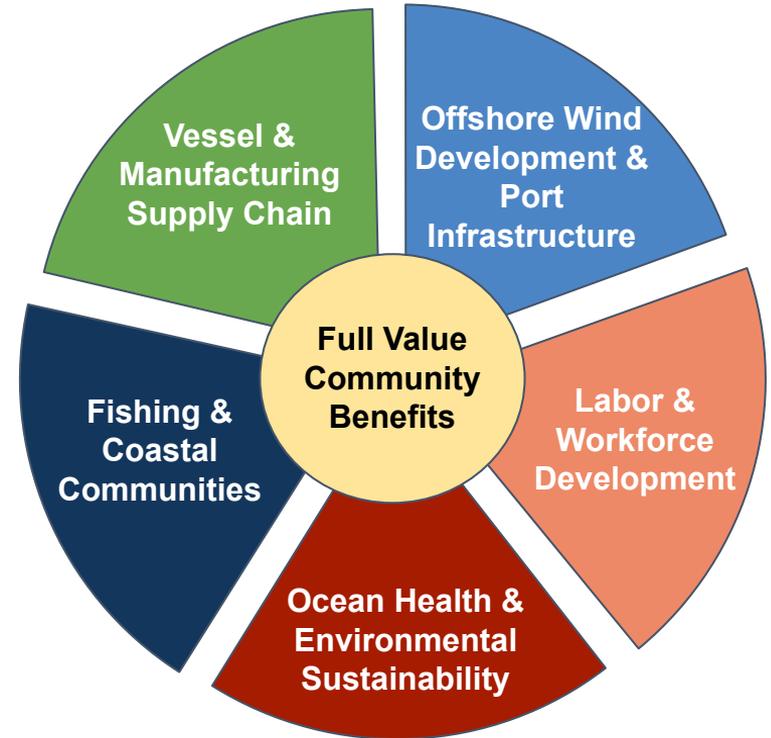
Offshore Wind (OSW) is coming to the West Coast to meet this need.

There is an opportunity now to establish a collaborative approach to participating in the OSW ecosystem in WA

HOW we do it

Industry Leaders • Public Agencies • Research Institutions • Community Organizations

- Convene the Cluster of activity, stakeholders, and partners
- Understand the economic, community, and workforce development opportunity for our region through focused convenings/workshops
- Identify and map WA's supply and full value chain available to support floating offshore wind along the West Coast of US
- Facilitate a series of Community Benefits from Supply Chain participation discussions through the triple-bottom line lens of OSW in a way that is: **Equitable, Sustainable, Profitable**





Why us?

- As a Blue Economy cluster, Maritime Blue's approach is based in triple bottom line lens of:

Equitable community engagement and opportunity • Environmental health and sustainability • Economic development

- Our membership spans all of the interested parties in OSW and our mission is equitable representation of all of them, therefore we are and are viewed as agnostic on the pursuit of OSW development and are against development for development's sake
- We are already established as thought leaders for OSW development through the Blue Economy lens and engaged in:
 - Renewable NW Technical Advisory Committee, NREL West Coast Port Strategy Advisory Committee
 - POET Ocean Renewable Energy Conference, Pacific OSW Summit, BNOW Podcast
 - NWSA Commissioners Study Session led by BNOW
- For last 1.5 years have been convening regional thought leaders from across our ecosystem to discuss how WA's ecosystem might engage and be impacted by OSW development
 - This group is poised to be formed into an established, formal, and focused collaborative/cluster so there's no need to create something entirely new



Proposed Participants (from existing participants/membership)

Community Organizations

Existing Active Organizations

- POET
- OCEAN
- Renewable NW
- Climate Solutions
- Blue-Green Alliance

Proposed Members

- BNOW
- West Coast Ocean Alliance
- Environmental groups
- Coastal Communities
- Core HUB

Public/Government Sector

Existing Active Organizations

- Port of Seattle
- NWSA
- WA Commerce
- Seattle City Light

Proposed Members

- DOE
- Puget Sound & Coastal Tribes
- Port of Tacoma
- WPPA
- PSRC
- PSE
- Port of Everett
- Port of Longview
- WCMAC

Research Institutions

Existing Active Organizations

- PNNL
- UW Ocean Nexus
- UW Applied Physics
- PMEC

Industry Leaders

Existing Active Organizations

- RWE
- SSA Marine
- Foss OSW
- Crowley

Proposed Members

- Labor:
 - ILWU
 - IBEW
 - Carpenters
 - Steel
 - Builders
 - Manufacturers
- Fishing Groups



Timeline

Throughout life of collaborative, convene Main Participants on a bimonthly-quarterly basis with additional small group (committee) convenings on a more frequent basis, as needed.



Establish & Formalize Collaborative

Finalize partners, confirm participation through MOU, fundraise for Maritime Blue's capacity to lead

Fund, Commission, & Scope Necessary Studies

With partners, look to fund, commission, and scope the initial studies necessary to fill the current gaps, i.e.

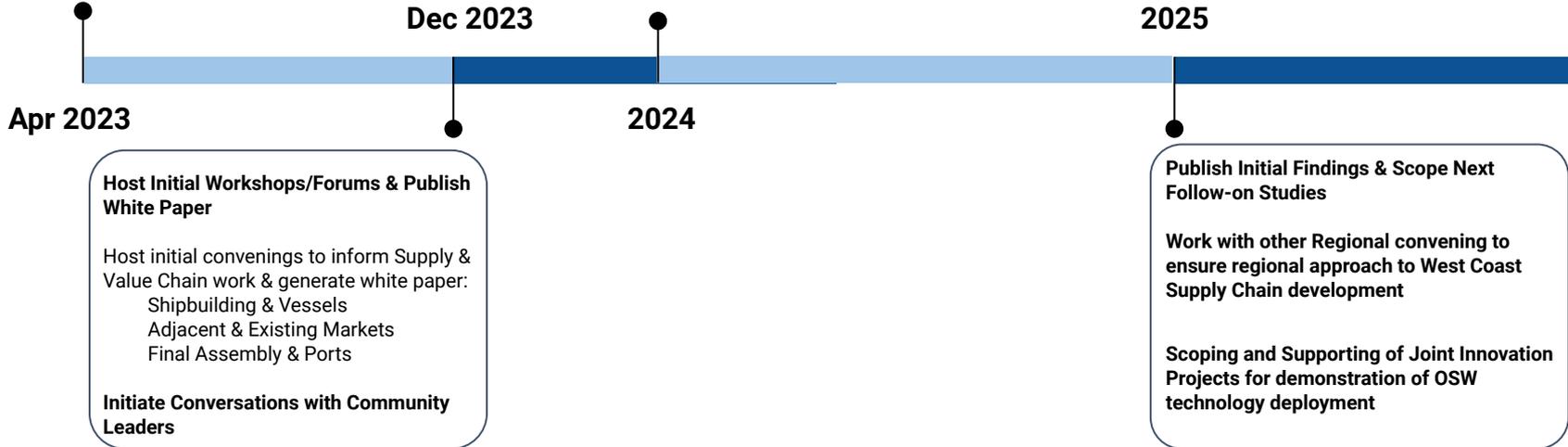
1. WA Supply Chain Gap Analysis for West Coast OSW
2. Low-No Emissions OSW Vessel Needs for FOWT
3. Stakeholder-driven Economic & Community Benefit Analysis from OSW Supply Chain Engagement

Begin Convenings on Community Benefits from Supply Chain Engagement

Build upon experiences from community engagement practices from other states and countries to begin facilitating conversations with key groups in WA:

Tribes • Fishing • Coastal communities

Delegation Trips for Lessons Learned from Regional, National, and Global OSW partners



Host Initial Workshops/Forums & Publish White Paper

Host initial convenings to inform Supply & Value Chain work & generate white paper:
Shipbuilding & Vessels
Adjacent & Existing Markets
Final Assembly & Ports

Initiate Conversations with Community Leaders

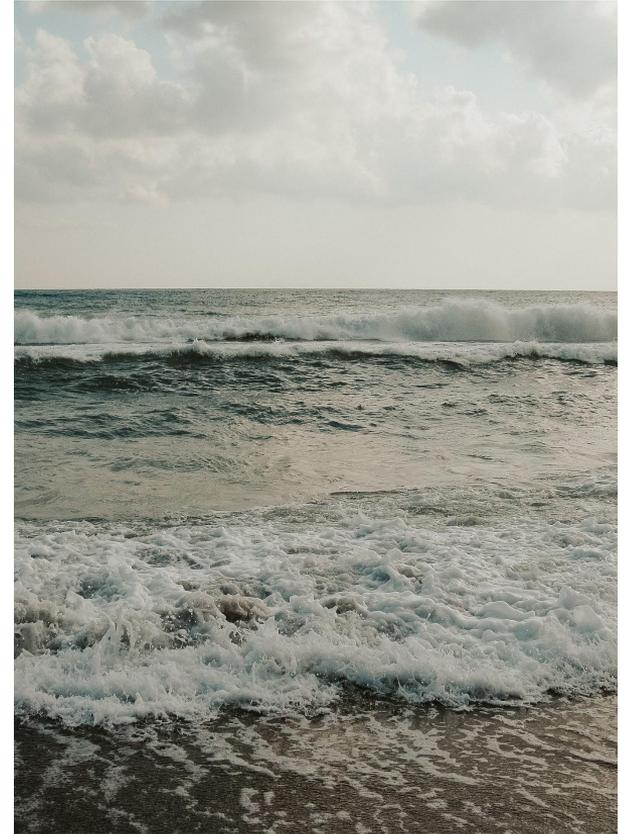
Publish Initial Findings & Scope Next Follow-on Studies

Work with other Regional convening to ensure regional approach to West Coast Supply Chain development

Scoping and Supporting of Joint Innovation Projects for demonstration of OSW technology deployment



- The recent NREL *Supply Chain Road Map for OSW Energy in US* lists the first necessary short term action as:
 - “Convene working groups focused on regional and holistic supply chain development”





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www.maritimeblue.org

#WaMaritimeBlue, #BuildBackBlue

