



Minutes
Managing Member Meeting – Special
Offshore Wind Study Session
Wednesday, May 24, 2024 9:30 AM
The Fabulich Center, 3600 Port of Tacoma Road, Tacoma, Washington
Live streamed on the meetings page at www.nwseaportalliance.com

Commissioners present:

Port of Seattle:	Port of Tacoma:
Ryan Calkins	Kristin Ang
Sam Cho - excused	Deanna Keller
Fred Felleman – (via Teams)	John McCarthy
Toshiko Hasegawa	Dick Marzano
Hamdi Mohamed – (via Teams)	

Commissioners excused:

Port of Tacoma:
Don Meyer

1. Call to Order
Co-Chair Keller called the meeting to order at 9:47 a.m.
2. Flag Salute
The Pledge of Allegiance was received.
3. Introductions
Introductory comments were provided by CEO Wolfe, Commissioners Calkins and Hasegawa.

CEO Wolfe summarized the agenda and welcomed panelists.

Commissioner Calkins reflected on the purpose of the study session and how it came about.

- NWSA exists to create careers in the region that are enduring, sustainable, meaningful and able to provide for families. Additional criteria include doing so in equitable and environmentally sustainable ways. state so aspirational don't even have the technology
 - Climate commitment act
 - Clean Fuel Standard
4. Insights into Washington State's Needs and Readiness for Offshore Wind
Panel: Anna Stebbins, Lake Union Dry Dock (via Teams); Jeff Arviso, Manson Construction; April Simms, Washington State Labor Council; Aubrey Newton, LiUNA (via Teams); Leonard Forsman, Suquamish Tribe; Glen Bachman, Port of Everett

Commissioner Hasegawa provided her key takeaways from a recent trip to Europe attended by representatives from the Port of Seattle, Port of Everett, tribes, labor, environmental groups, the governor's office, and private sector to learn about offshore wind operations in Europe.

- Offshore wind is a mature ecosystem that is coming to the west coast. Floating operations are less mature. Operations in Washington state would need to be floating due to the depth of water.
- Offshore wind has been permitted in California and Oregon. Washington state ports and other actors need to determine their role in plugging into and facilitating a supply chain for these emerging markets on the west coast.

Panelists were invited to each share a brief synopsis of their perspectives on the conversation.

- Anna Stebbins facilities engineer and Lake Union Dry Dock. Many parties are interested in supporting the California wind leases made available to developers. To accommodate a future Washington state market, operations need to be scaled now. Looking for state leadership to validate investment in the opportunity. Lake Union Dry Dock is a vessel repair facility.
- Jeff Arviso Senior Vice President Chief Engineer Manson Construction. Mason construction is a marine contractor that builds marine infrastructure, wharf construction, dredging of harbors and waterways, etc. They were involved in the installation of the first five turbines off Block Island in 2015/16. Commented that the existing marine equipment available is not sufficient to handle the magnitude of size and speed of growth of the offshore wind market. He also expressed concern with the quantity of labor to serve the market.
- April Simms, President of the Washington State Labor Council, AFLCIO, the largest labor organization in Washington state. Shared worker concerns regarding how a transition to carbon free energy will affect jobs and ability to provide jobs to support families. Believes Washington is uniquely positioned to be able to leverage its deep-water ports, serve the entire Pacific coast and take advantage of existing workforce in high tech carbon fiber infrastructure.
- Leonard Forsman, Chairman, Suquamish Tribe and President Affiliated Tribes of Northwest Indians provided that from the Tribe's perspective, offshore wind is a new concept. He mentioned stumbles by the Department of Interior's BOEM that created frustrations with northeast tribes what would also be challenges in this area. He stated early and meaningful consultation with tribes surrounding the issue, including whether potential benefits of producing so much power could possibly outweigh the impacts to, for example, fishing. He noted the challenge of balance between the impacts and what is delivered.
- Glen Bachman, Commissioner, Port of Everett spoke of Washington states innovation and the State's ability and need to be involved in this opportunity. The Port of Everett has 40 acres of space that may be able to accommodate the heavy ground load capability needed for wind opportunities.
- Aubrey Newton, Director of Labors and Employers Cooperation Funds, LiUNA. They work with construction workers and contractors throughout the State. She provided examples of the scope of work of LiUNA workers within the offshore industry. Spoke to the position that an essential component of the discussion must include ability of workers in the fossil fuel industry to continue to be able to continue their careers and provide for their families.

5. Offshore Wind Market Overview and Needs

Presenters: John Begalia, Vice President for State and Federal Affairs, Business Network for Offshore Wind and Brandon Burke, Managing Consultant, Ramboll; Kris Volpenheim, PelaStar Commercialization Lead, Glosten.

Mr. Begalia provided a background on the Business Network for Offshore Wind and what it was created to do. To ensure that as efforts to decarbonize the economy are equitable, creates long term careers and business opportunities. He presented reasons offshore wind has been gaining traction, and insight to the national offshore wind industrial strategy. Offshore wind projects in the United States and supply chain capacity points were presented as well.

Mr. Burke provided a background on Ramboll and its services. Ramboll is interested in developing a regional supply chain in the offshore wind industry. He provided an overview of the elements involved in an offshore wind project.

Mr. Volpenheim provided history on the Glosten company and the evolution of the industry from quiet development over a decade ago to the accelerated momentum of recent federal initiatives. He gave a presentation on PelaStar technology.

Commissioner Felleman commented on the space requirements.

Commissioner Ang is interested in the acreage needs for the various components. For primary component need 100 acres. Commissioner Ang mentioned 50 acres at the Port of Tacoma and considerations for a master business plan. Mr. Begalia reminded attendees that there are components and subcomponents, such as pieces that could be manufactured at a smaller facility and integrated at a larger facility. Commissioner Ang was also interested in interplay with hydrogen hubs.

Commissioner Hasegawa commented that she was struck by the comprehensive operation in a small space in Aberdeen, Scotland. She noted regarding hydrogen technology does not exist regarding electrolysis and floating turbines. It would be a pilot in Washington state. There are conceptual designs.

Commissioner McCarthy wonders if the distance from the California platforms is prohibitive for Washington opportunities to service. Mr. Burke spoke of different innovations that could be developed to address the distance issues, such as modularization. Developers are the decisions makers for locations, supply decisions, etc.

Commissioner Calkins commented on the many components of the industry from turbines to platforms, to Jones Act-compliant vessels, cables, substations, etc. He suggested The NWSA should be thinking about elements that are not distance dependent for opportunities.

Commissioner Felleman commented on the skill set needed from the workforce. And stated that The NWSA has no position on siting decisions. He also noted that the west coast of Washington is the only coast that has treaty tribe fishing rights.

6. Break.

The Managing Members took a short break at 11:44 a.m. and returned to order at 12:01 p.m.

7. Supply Chain Readiness Panel

Presenters: Sloan Perras, Vice President Offshore Wind, FOSS Offshore Wind, a Saltchuk company; Dan McKisson, International Longshore and Warehouse Union (ILWU) Local 19 and Washington Area District Council President.

Ms. Perras provided background on FOSS's involvement in the offshore market. The company's focus is on manufacture, fabrication and assembly and installation of components – Tier 2 and Tier 3 of the sub supply chain. She spoke of the job opportunities and demand in this realm in the Pacific Northwest, including those that require four-year degrees, two-year degrees, one-year training programs straight out of high school.

Mr. McKisson gave a presentation providing a background of the ILWU and the involvement of the ILWU and the Inlandboatmen's Union (IBU) in land wind energy supply chain.

He provided an overview on legislative issues the ILWU is addressing to ensure that the jobs created are U.S. jobs, not foreign, including support for the American Offshore Workers Fairness act and fixes for existing loopholes in the Jones Act.

Discussion took place regarding the need for Jones Act compliance vessels and how vessel building companies will be able to justify the capital expansion they need to build the vessels and then crew them.

Offshore wind objectives of Canadian ports and their impact on U.S. ports were discussed. Concerns and observations regarding foreign flag issues were discussed.

Commissioner Ang commented on trade route maps for Canada's east coast and their wind farm to fuel their green hydrogen project.

Commissioner Calkins commented on the reindustrialization of municipalities and the need to preserve industrial lands for future of renewable energies, not just ports but also adjacent lands.

8. Trip Reports/Current State/ Next Steps

Presenter: Cassidy Fisher, Joint Innovation Program Director, Washington Maritime Blue
Ms. Fisher provided an overview of Maritime Blue, its programs and goals and strategies for offshore wind on the west coast.

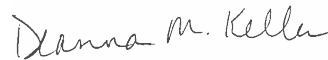
Commissioner Calkins relayed a suggestion by Commissioner Cho to advance a Strengths, Weaknesses, Opportunities, Threats analysis for the Homeport facilities.

9. Adjournment

The study session ended at 12:55 p.m.



Sam Cho, Co-Chair
The Northwest Seaport Alliance



Deanna Keller, Co-Chair
The Northwest Seaport Alliance

ATTEST:



Fred Felleman, Co-Secretary
The Northwest Seaport Alliance



John McCarthy, Co-Secretary
The Northwest Seaport Alliance



Juliet Campbell, Clerk
The Northwest Seaport Alliance