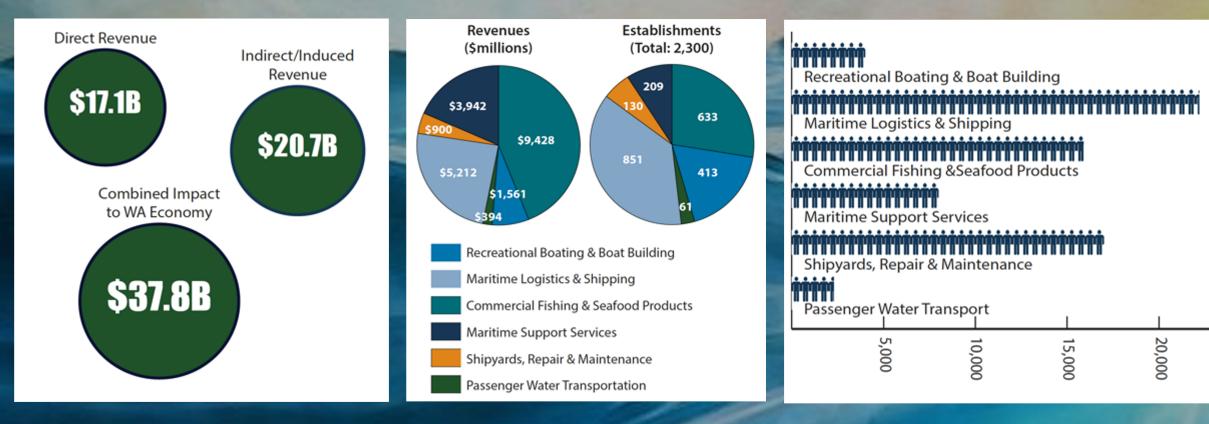


A Strategic Alliance for Maritime Innovation and a Sustainable Blue Economy

A Maritime Clean Energy Future through Collaboration and Joint Innovation

Joshua Berger

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The maritime industry paid nearly **\$4.5 billion** in wages in 2015 with average salaries of **\$65,300**. In comparison, the state's average wage in 2015 was **\$56,700** (does not include benefits).

Industry-wide, revenues have grown **2.4%** per year from 2012 to 2015, with the largest growth rate in Maritime Logistics & Shipping at **5.2%**.

2016 Economic Impact Study, Community Attributes

25,000

Maritime Sector's Economic Impact





The Blue Economy

"the sustainable use of ocean resources for economic growth, improved livelihoods, and jobs while preserving the health of ocean ecosystem." – World Bank



GLOBAL MARITIME FORUM Unleashing the potential of the global maritime industry

Getting to Zero Coalition







The Blue Economy "Will double to \$3 Trillion by 2030 – but if, and only if, we are focused on innovation and sustainability."– OECD

blue

Washington State's Strategy for the Blue Economy

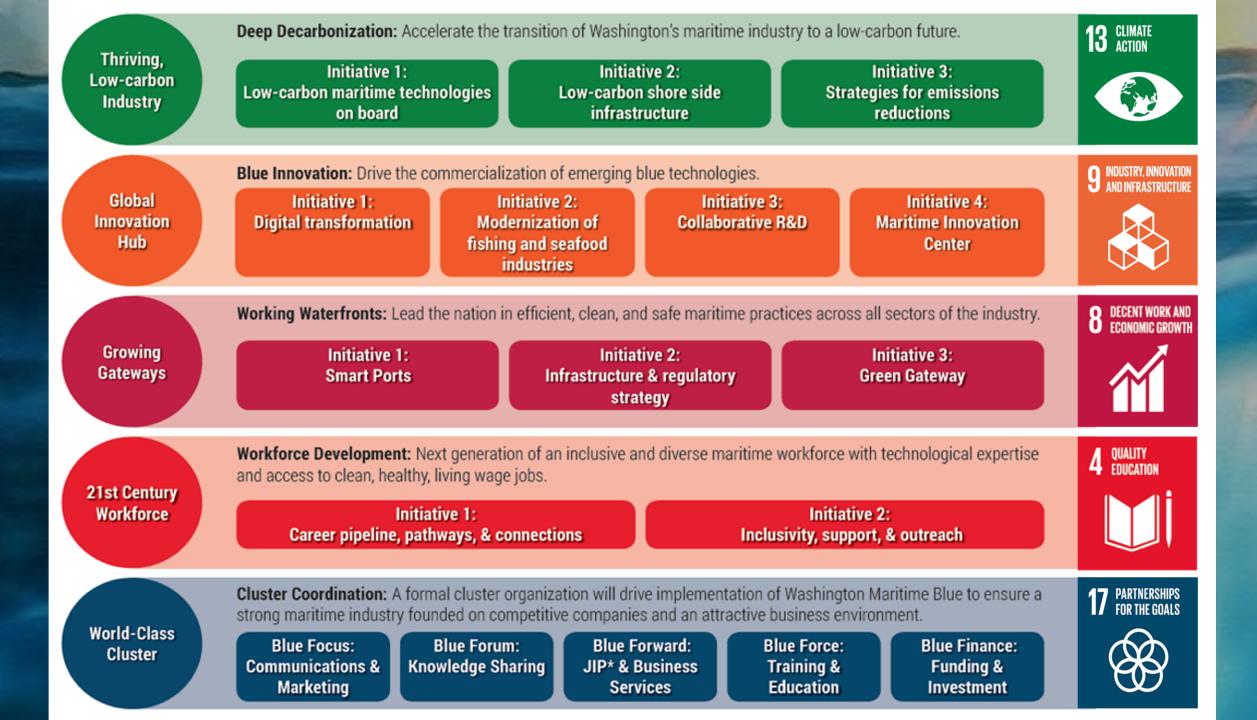
The first, and only, US statewide strategy for the Blue Economy was delivered in January 2019 by Governor Inslee's Maritime Innovation Advisory Council and Washington State Dept. of Commerce after 18 months of stakeholder engagement.



Advisory Council Co-Chairs:

Rep.Gael Tarleton, Washington State Legislature Dennis McLerran, Fmr. EPA Region 10 Administrator Frank Foti, CEO and Board Chair, Vigor Shipyard (link to Full Strategy and Council)





blue Independent, Innovation Cluster Formed

Formal Ocean/Maritime Clusters have emerged as organizational entities that enhance competitiveness and collaboration. To ensure accountability and implementation we spun out an independent, nonprofit, Cluster Organization charged to Implement the State's strategy – using the "Quadruple Helix" approach.





NWSeaport

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FOUNDATION

DESLING IN METHING THINK

CleanTech Alliance

Centres of Expertise

NCE Maritime CleanTech

Straits

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WORKING NATERFRONT COALITION

OF WHATCOM COUNT

NORTHWEST

SCHOOL # WOODEN

BOATBUILDING

GREEN MARINE



Part of a Global Enterprise for the Blue Economy



blue Scope of Work – The 6 Blue "F"s

Blue Focus	Blue Forum	Blue Forward
Marketing & Communications	Networking & Knowledge Sharing Events	Facilitating Joint Innovation Projects
Blue Force	Blue Finance	Blue Founders

Maritime Blue engages members, partners and stakeholders in a number of ways in order to fulfill its mission. Taking lessons learned and models from other cluster organizations and innovation ecosystem builders around the globe.

Blue Focus

Creating a world-class cluster through a sustainable organization rooted in values of equity and resilience.

- Growing membership and leadership
- International recognition and speaking engagements
- Cluster to Cluster relationships



Blue Forums

Networking and strengthening of the knowledge base: host events, workshops, and public forums on key topics and critical discussions utilizing member expertise and outside thought leaders.

- Uptown Tech Meets the Working Waterfront
- R&D Pathways for Maritime Energy Solutions
- Investing in the Blue Economy
- Equity in a 21st Century Maritime Workforce
- Maritime Battery Safety Forum
- Technology Innovation for Marine Conservation

Blue Force **Enable an equitable and diverse 21st century workforce** of the future through coordination, funding, and public forums for industry-driven, career connected learning opportunities.

Providing organizational support, resources and employer/agency network for the Youth Maritime Collaborative started in 2017.



Blue Founders & Finance **Entrepreneurship** and start-up incubation, acceleration, mentorship, coworking, and public meeting spaces as a hub to the many spokes of maritime communities across the state.

Conduit for public and private funding opportunities for a diverse and varied financing approach to the Blue Economy, including fund pipeline development and establishing common impact metrics.

Blue Forward

Members come together through **Joint Industry Projects (JIP)** and collaboration to implement key demonstration projects and strategic planning for growth in the Blue Economy

- Washington State Ferry Electrification
- Seattle Waterfront Decarbonization Strategy
- JIP: Zero-emission Foiling Fast Ferry
- JIP: Green Hydrogen for Tacoma Maritime
- JIP: Early Covid-19 Detection for Maritime and Fisheries
- JIP: Quiet Sound Whale Report Alert System (WRAS)



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