



# WASHINGTON MARITIME FEDERATION

*A Coordinated Voice for Maritime Progress*

## ENVIRONMENTAL LEADERSHIP

Washington State's maritime sector is a global leader in sustainability. As new opportunities emerge, it is important that the sector remains well coordinated in the adoption of industry-leading voluntary standards, best practices and emerging technologies to help build a more sustainable future.

Comprised of labor, business and maritime organizations across the state, the Washington Maritime Federation works in partnership with local and national organizations to highlight leadership from within, support business and workforce development and advocate for balanced regulation and incentives.

Our members, with stakeholders across the state, are leading towards a more sustainable maritime transportation system with:

- Increased design and manufacturing in the commercial and recreational market for solutions such as propulsion, coatings, composites, energy storage and more.
- The most advanced architectural, engineering and design teams working on vessels around the world.
- Maritime businesses and organizations working in concert, and beyond, environmental regulation to ensure best management practices and increased use of clean technology.
- Ports, maritime and logistics companies recognized as international leaders for sustainable operations and practices.
- Workforce training and education with a focus on the next generation of green jobs within the maritime industry.

### WASHINGTON MARITIME BLUE



**The Governor's Maritime Innovation Advisory Council** will develop a comprehensive vision and strategic plan that will support a strong maritime economy with living-wage jobs, a healthy environment and resilient communities. The state's strategy for accelerating maritime innovation and the blue economy is a partnership between industry, government, education and NGO's to provide the structure and pathways towards the most sustainable maritime industry in the nation by the year 2050.

Strategic action areas of focus include supporting: technology innovation & commercialization, policy & incentives, workforce development, standards & certifications, communications & outreach, and cluster coordination.

[www.maritimefederation.com/blue](http://www.maritimefederation.com/blue)

### EDUCATION AND TRAINING

**Sound Experience** operates the historic Schooner *Adventuress* as Puget Sound's Environmental Tall Ship. Built in 1913, the tall ship is a platform for environmental education, maritime training and is a model for emerging technology and sustainable practices through its **Living Ship Initiative**. Up to 10,000 people cross her decks annually engaged in public outreach and educational programming.

[www.soundexp.org](http://www.soundexp.org)



**The Skagit Valley College Marine Technology Program** highlights clean technology and best management practices in its innovative marine technology program. Partnering with other colleges in the state, students can earn accreditation in HVAC, composites, propulsion, electrical systems and more while ensuring that sustainability in the industry is held to a high standard. Skagit Valley College plays a critical role as we train the next generation of the maritime workforce. [www.skagit.edu](http://www.skagit.edu)

### SHIPPING



Large commercial vessels, tug companies and terminal operators have made incredible progress reducing air emissions, minimizing ballast water threats and improving stormwater management. Industry, maritime labor organizations and ports around the state have set priorities to further support the intersection of clean technology, job skills training and economic development in the maritime sector. For example, **Saltchuk**, a Seattle family owned company composed of a number of maritime businesses including **TOTE** and **Foss**. Companies in the Saltchuk family have set new standards in clean technology and alternative fuels that are reducing emissions and improving air quality. Tote, which is converting its entire domestic cargo ship fleet to run on clean-burning natural gas, recently christened the world's first LNG-powered containership. Foss built and operates the first Hybrid Electric Tug boats and **Interstate Distributor Co.** was the first trucking company in the Northwest to introduce LNG tractors. [www.saltchuk.com](http://www.saltchuk.com)



## RECREATIONAL

The **Clean Boating Foundation** is working towards cleaner waters in Washington State. Partnering with boaters, boatyards, environmental groups, the Washington state Department of Ecology and scientific experts, CBF is a voluntary, market-driven effort to improve Puget Sound and the rest of our waters. They encourage boaters to choose environmentally-preferable products and practices and to use certified **Clean Boatyards**. CBF works with Washington boatyards to go above and beyond their legal requirements and showcases those businesses that act as true stewards of the environment. [www.cleanboatingfoundation.org](http://www.cleanboatingfoundation.org)



## FISHING

Washington based companies make up the vast majority of those engaged in the North Pacific Fishery. As a \$9 billion driver to the state's economy it is also the most sustainably managed fishery in the world. As an example, **Blue North** recognizes, accepts and embraces its responsibility as a steward of sustainability in everything it does. The company's prime product – Alaska longline, or hook-and-line, cod – has been certified by the **Marine Stewardship Council (MSC)**. Blue North went a step further by building an innovative, state-of-the-art "green" boat that is one of the most environmentally friendly fishing vessels in the world. [www.bluenorth.com](http://www.bluenorth.com)

## TUG AND BARGE



Washington State's tugboat and barge industry is a national leader in developing and implementing sustainable technologies and environmental practices. The industry works with EPA and state authorities to reduce engine emissions through innovative technologies and utilizing cleaner fuels. Industry members leverage cutting-edge ballast water and biofouling management technologies to control the threat of invasive species. Meanwhile, regulatory oversight and significant industry investments in equipment, training, and safety management have helped Washington waters go over 20 years without an oil spill from a tank barge casualty. [www.americanwaterways.com](http://www.americanwaterways.com)

## DESIGN AND ENGINEERING

Washington State is home to some of the most respected and innovative naval architecture and marine engineering firms in the world, including: **Glosten, Elliot Bay Design Group, Jensen, Art Anderson and Guido Perla** to name a few. Designing ships and systems around the globe, many of these firms are helping to lead standards for design and production. Established and startup engineering groups are building the latest in energy storage, coatings, propulsion systems, pollution controls and more. This is an area where high technology meets a traditional sector modeling relevance and resilience. [www.sname.org](http://www.sname.org)

## PUBLIC PORTS

Environmental protection and land use planning issues have been increasingly important to **Public Ports in Washington State**. Ports often operate at the interface of land and water, and are located in areas crucial to plant and animal life. In addition, many ports around the state are innovative drivers of clean technology, environmental protections and best management practices. For example, storm water remediation efforts in Tacoma, Seattle and Port Townsend have been noteworthy and creative, utilizing rain gardens, oyster shell and biochar by-products. Great collaborations have been established, including partnerships with area **Land Trusts** and efforts such as the **Duwamish River Clean-up Coalition**. [www.washingtonports.com](http://www.washingtonports.com)



The Northwest Ports, including Seattle, Tacoma, Olympia, and Everett have worked with maritime businesses to fund three NW Ports Air Emissions inventories which guide investments in reducing harmful air emissions of Sox, NOx, and PM2.5. And it's working. Over three successive inventories, emissions have been reduced, including greenhouse gases. These positive results prove the age old adage that you can't change what you can't measure. [www.pugetsoundmaritimeairforum.org](http://www.pugetsoundmaritimeairforum.org)

**The importance of the maritime industry to our state's economy and continued job growth may not be well known, but it is clear. We now have the structure in place to ensure continued support and coordination of industry priorities. Utilizing the networks of existing maritime and related organizations, the Washington Maritime Federation will amplify their effect and be a united voice for the industry.**

For more information, go to:  
[www.maritimefederation.com/blue](http://www.maritimefederation.com/blue)  
contact: [info@maritimefederation.com](mailto:info@maritimefederation.com)

## PERFORMANCE CRITERIA

The Washington Maritime Federation is a supporting association member of **Green Marine**, a voluntary environmental certification program for the North American marine industry. It is a rigorous, transparent and inclusive initiative that addresses key environmental issues. To receive certification, participants must benchmark their annual environmental performance through exhaustive evaluation guides, verified by an accredited external verifier and agree to publication of their individual results. [www.green-marine.org](http://www.green-marine.org)

