



WASHINGTON MARITIME FEDERATION

A Coordinated Voice for Maritime Progress

Where Blue Meets Green: Sustainability in Washington's Maritime Sector

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.

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.

Participants are ship owners, ports, terminals, seaway corporations and shipyards based in Canada and the United States. 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

WORKFORCE AND MODELS



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

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



SHIPPING

Saltchuk, a family owned transportation and distribution company, is headquartered in Seattle, WA. With approximately 7,500 employees in six lines of business ranging from maritime services to air cargo, Saltchuk is proud of the investments its companies have made in clean technology and alternative fuels that have set new standards in 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



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



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The Washington Maritime Federation has set priorities to further support the intersection of Clean Technology, Job Skills Training and Economic Development in the Maritime Sector including:

- Ongoing interaction between industry, agencies and economic development organizations on the opportunities and benefits of sustainability in the industry.
- Public outreach and education on the intersection of Clean Technology and Maritime sectors, including showcasing models and examples.
- Public and private incentives for clean fuels, emerging technology, best practices, waste management and emission reductions.
- Increased sustainability education and emerging technology instruction in maritime training.
- Promotion of voluntary environmental performance criteria in the many sub-sectors of the maritime industry.

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



FISHING

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)**, designated as a "Best Choice" by the Monterey Aquarium's Seafood Watch, created a producer partnership with **FishWise** and has been given the **Environmental Defense Fund's** highest rating. Blue North is going a step further by building an innovative, state-of-the-art "green" boat that will be one of the most environmentally friendly fishing vessels in the world.

www.bluenorth.com



TUG AND BARGE

Harley Marine Services has won numerous environmental stewardship awards including for their headquarters on Harbor Island in Seattle. The **LEED Gold** building features among others, rainwater harvesting, solar power, low VOC appliances, natural light assisted by smart LED lighting systems and an educational marine habitat pool in the atrium. The **Harley & Lela Franco Maritime Center** is significant for the maritime industry because it is an outward demonstration to the greater Seattle community, and of the industry's environmental awareness and responsiveness. www.harleymarine.com

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.



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, stormwater 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.org

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