

Green Marine International Environmental Certification Program

September 22, 2026, Commission Meeting

- Stephanie Jones-Stebbins, Managing Director, Maritime Division, Port of Seattle
- Sarah Ogier, Director of Maritime Environment and Sustainability, Port of Seattle
- Mike DeSota, Senior Environmental Program Manager, Port of Seattle
- Eleanor Kirtley, Senior Program Manager, Green Marine



WHY GREEN MARINE?



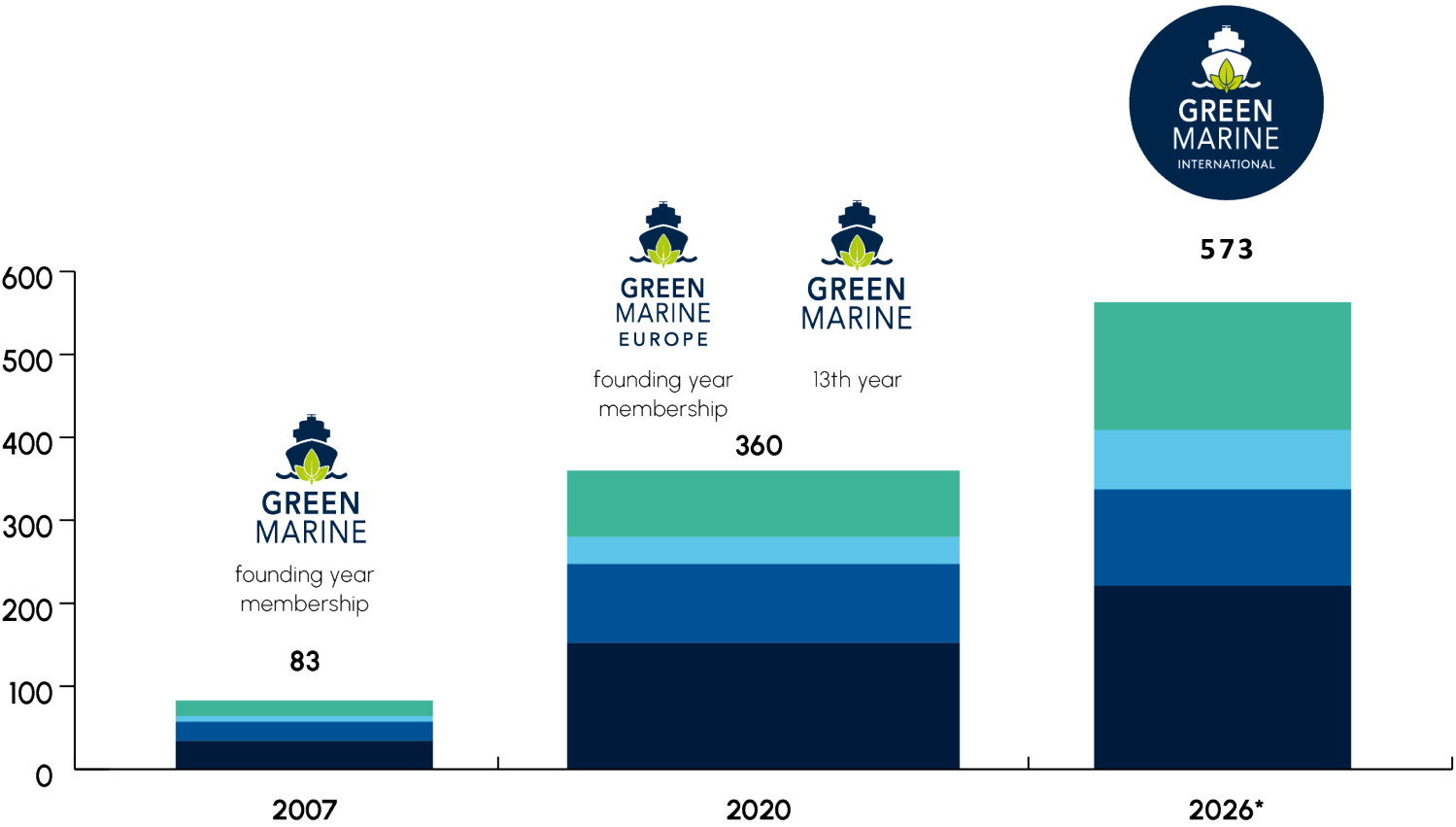
Green Marine is the **most comprehensive** environmental program for the maritime industry that exists today.

- **Participants from across sectors** – ship owners, port authorities, terminal operators, shipyards, and Seaway corporation



- Founded in **2007** in the Great Lakes & Saint Lawrence Region
- Action plan addressing **key environmental issues** with 15 performance indicators
- Opportunity for **NGO and governmental participation**
- Certification with **independent verification**
- Transparent, **public reporting** of individual results

MEMBERSHIP EVOLUTION



- 155 Supporters**
Environmental Groups and Government Agencies
- 72 Associations**
Industry Advocacy
- 122 Partners**
Suppliers of products, equipment, technologies and/or services
- 224 Participants**
GM 177; GME 47
Ship owners, ports, terminals, shipyards, and the Seaway

**Green Marine International Members List as of July 30, 2026*

GREEN MARINE INTERNATIONAL - STRATEGIC PLAN



Mission

Advancing sustainability in the maritime industry through a voluntary certification program that drives continual improvement.



Vision

Serving the maritime industry as a worldwide leader, charting the course to sustainability.



Core values



Collaboration



Integrity



Commitment

GREEN MARINE INTERNATIONAL – VALUE PROPOSITION



ROADMAP AND ACTION PLAN

Annual benchmarking based on a common standard and concrete actions;
External verification bolsters the program's **rigor and credibility**



RECOGNITION AND VISIBILITY

Maintaining **social acceptability** and enhancing reputational capital;
A suite of **communication tools** to amplify engagement with stakeholders.



UNIQUE NETWORK

The program is developed based on a collaborative approach, in **partnership with an extensive network** of environmental groups, government agencies and academic experts.



ADDED VALUE

A **cost-effective way** to initiate a sustainable development process validated by a third party;
Can allow access to **financial incentives**.

PROGRAM SCOPE - PERFORMANCE INDICATORS



AIR EMISSIONS -
GREENHOUSE GASES



AIR EMISSIONS - NOX



AIR EMISSIONS - SOX &
PM



AQUATIC ECOSYSTEMS



AQUATIC INVASIVE
SPECIES



COMMUNITY IMPACTS



COMMUNITY RELATIONS



DRY BULK HANDLING
AND STORAGE



ENVIRONMENTAL
LEADERSHIP



OILY DISCHARGE



SHIP RECYCLING



SPILL PREVENTION AND
STORMWATER
MANAGEMENT



VIEW THE PIs



SURFACE TREATMENTS
AND COATINGS



UNDERWATER NOISE



WASTE MANAGEMENT

 Ship owners	 Ports & Seaway
 Terminals	 Shipyards

PERFORMANCE INDICATOR FRAMEWORK



PERFORMANCE INDICATOR DEVELOPMENT

Each year, select PIs are reviewed based on the collaborative approach at the heart of Green Marine to maintain criteria beyond regulation and to keep pace with latest best practices and technologies.

WORKGROUPS

Late August – Early October

Ad-hoc to review or develop specific program indicators, includes **subject matter experts** among all members



TECHNICAL COMMITTEES

Early November

Participants review and recommend annual updates to performance indicators



ADVISORY COMMITTEES

December – January

Direct program revision and development priorities, includes all four member categories: participant, supporter, partner and association; and a verifier.



BOARD OF DIRECTORS

~ February

Participants executive leadership





ANNUAL CERTIFICATION PROCESS

ANNUAL SELF-EVALUATION



Online **Smart Guide** tool for participants and verifiers
Due March 15

EXTERNAL VERIFICATION



Verification every 2 years by an accredited external verifier
Due May 1

PUBLICATION OF THE RESULTS



Annual Performance Report released at **GreenTech**
In June

CONTINUAL IMPROVEMENT

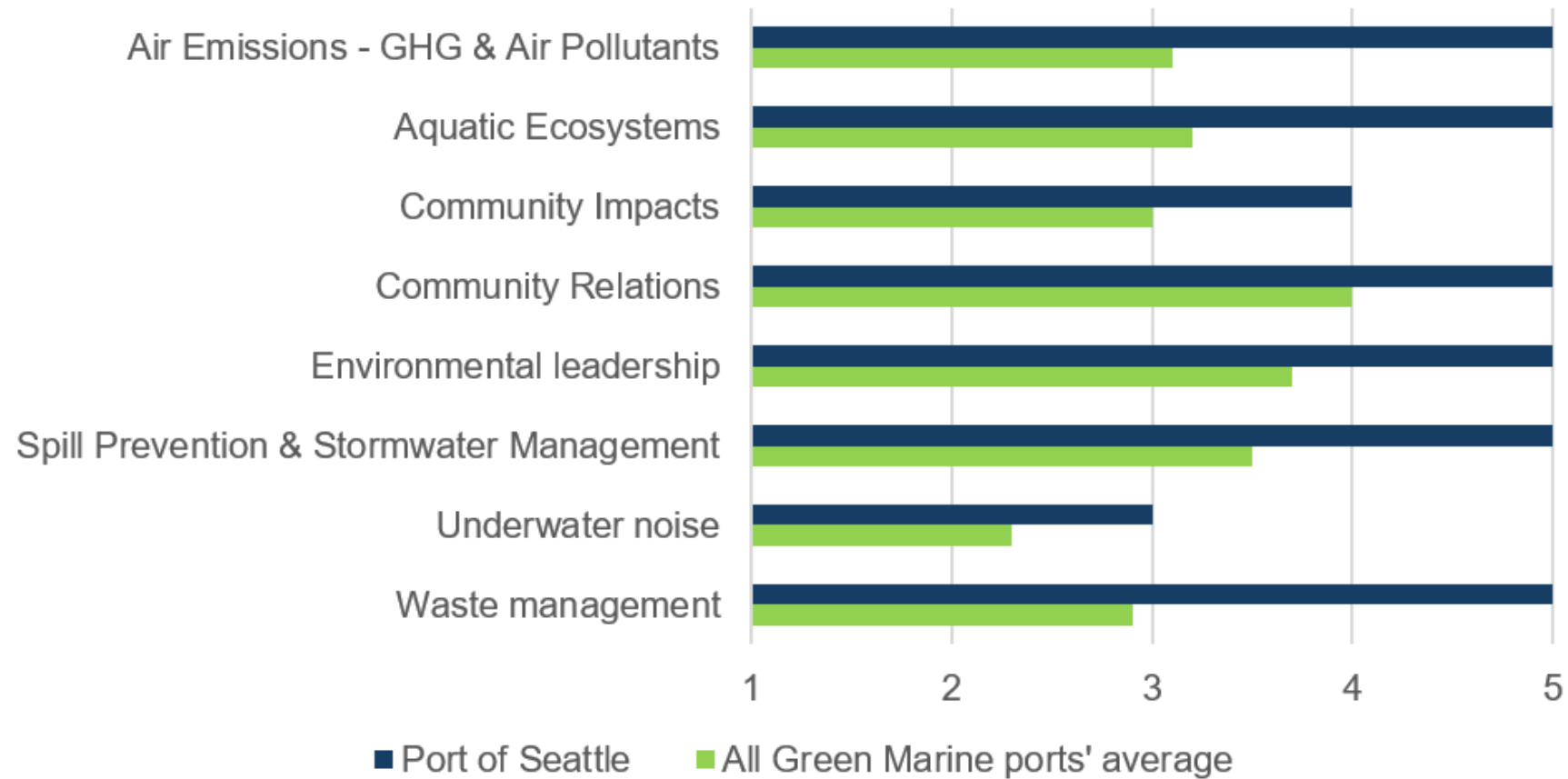


To **become** certified: achieve at least one level 2 in the 1st year;
To **maintain** certification: continual improvement of one level each year until all applicable indicators $\geq$ level 2

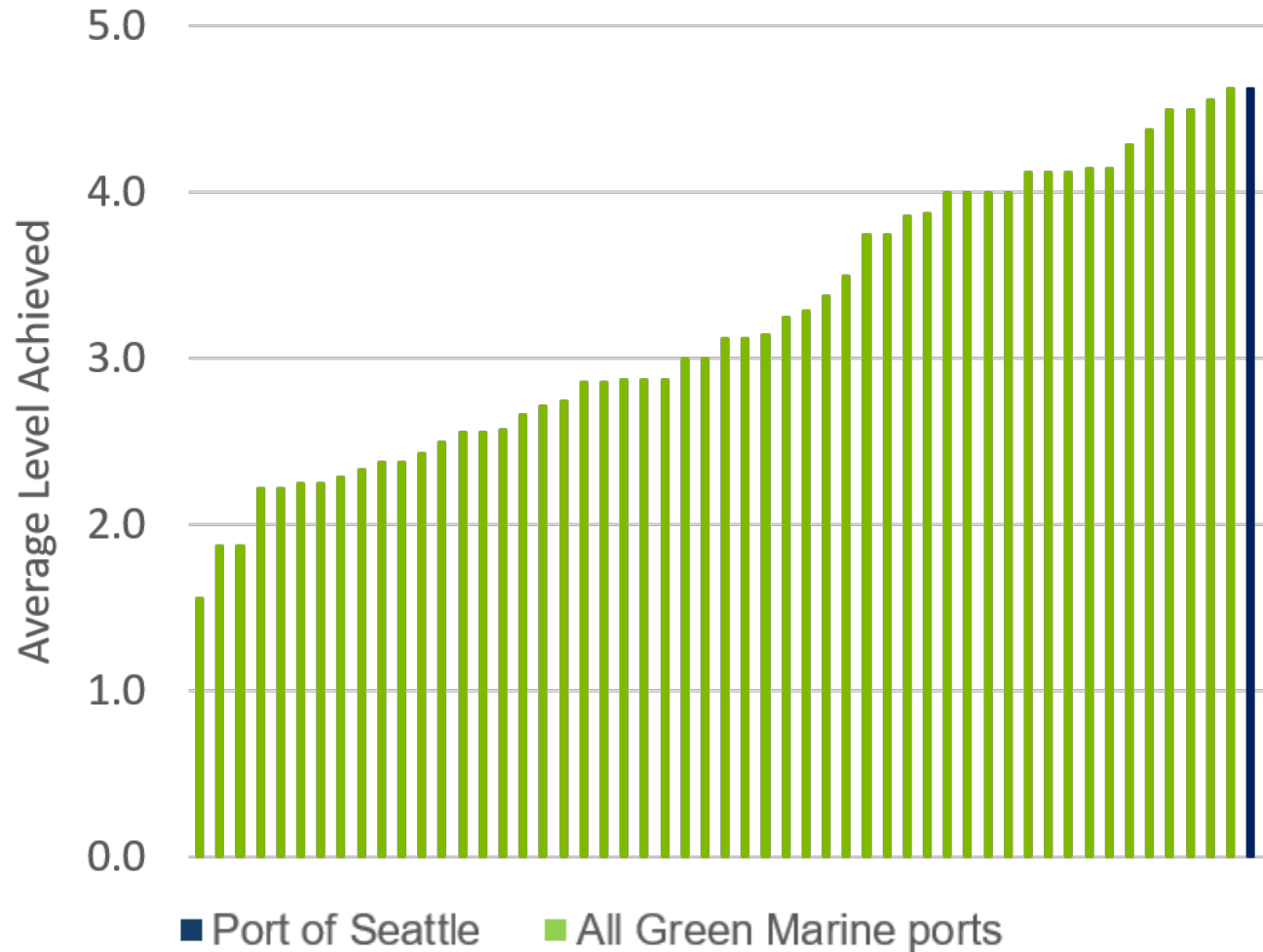
CERTIFICATION



2025 PORT OF SEATTLE RESULTS



2025 PORT OF SEATTLE RESULTS



An average of 4.6
places the Port of
Seattle in the top 3
of 54 certified ports

A SUSTAINED RECORD OF LEADERSHIP

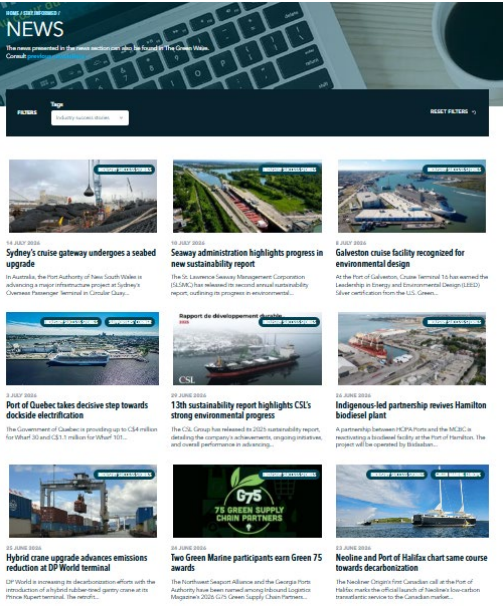
Port of Seattle Performance 2013-2025

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Air Emissions - GHG & Air Pollutants	3	3	3	4	5	5	5	5	5	5	5	5	5
Aquatic Ecosystems												5	5
Community Impacts	5	5	2	5	3	4	5	5	5	5	5	4	4
Community Relations										5	5	5	5
Environmental Leadership	5	5	5	5	5	5	5	5	5	5	5	5	5
Spill Prevention & Stormwater Management	4	4	2	4	3	4	5	5	5	5	5	5	5
Underwater Noise						2	2	2	2	3	3	3	3
Waste Management				4	5	5	5	5	5	5	5	5	5

COMMUNICATION TOOLS

Green Marine loves highlighting inspiring initiatives and celebrating participants' achievements. They are featured in the 'Industry Success Stories' section on our website or in our newsletter — each week, some are the subject of our #FridayGreenFact on LinkedIn!

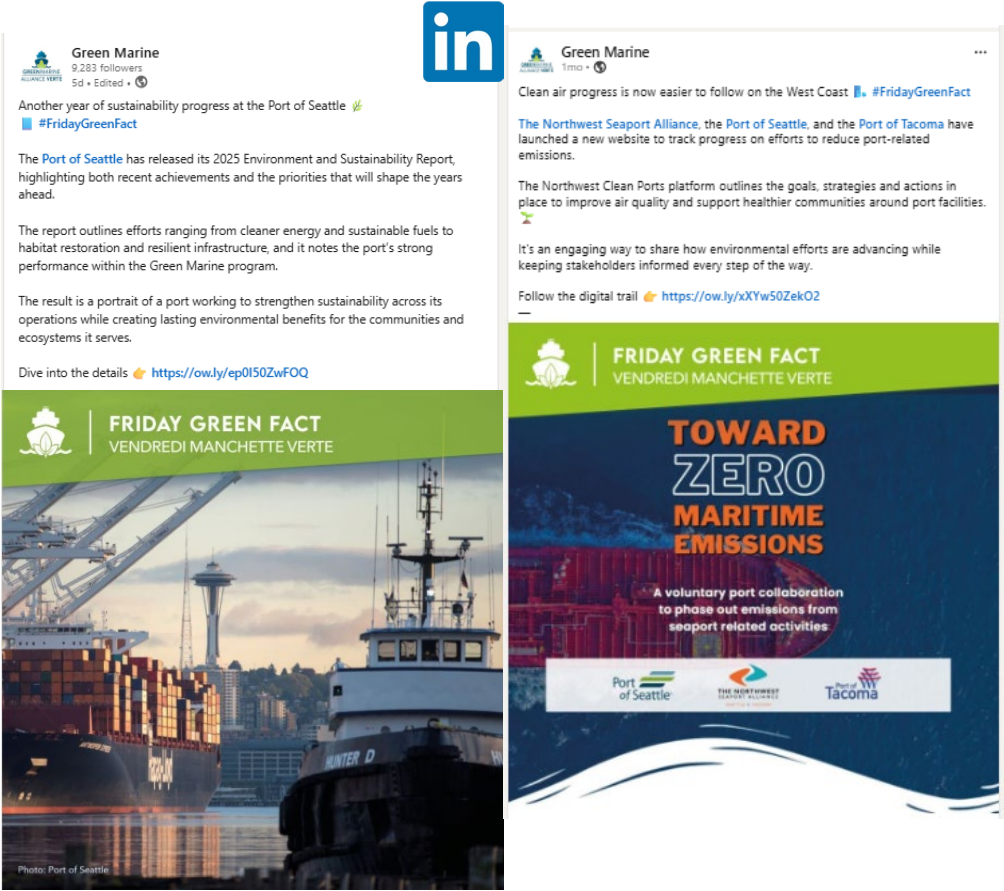
WEBSITE



NEWSLETTER



SOCIAL MEDIA

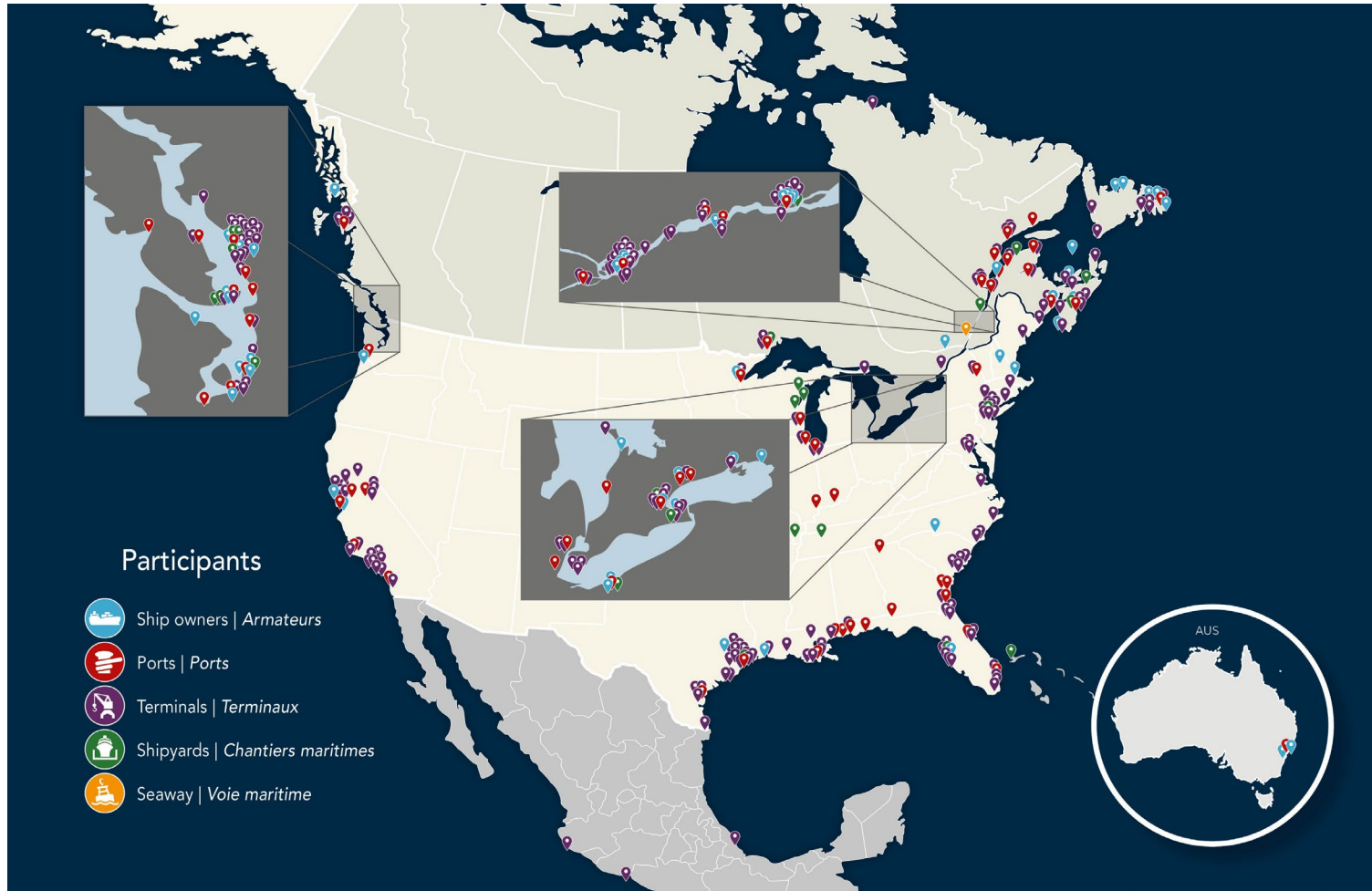


WHY GREEN MARINE CERTIFICATION MATTERS?

- Independent, third-party **credibility**
- The Port of Seattle is not just in compliance, but it's a recognized **leader**. Stephanie Jones Stebbins served on the Board of Directors, 2020 – 2026.
- **Benchmarking** against peer ports and the global industry and a **structured framework for continual improvement**
- Direct alignment with **Century Agenda**
- **First Mover / Legacy Leadership**: In 2013, the Port of Seattle was the first U.S. West Coast participant to achieve Green Marine certification. That "first" is a durable reputational asset.
- **Stakeholder, peer, and customer trust**: Peers certified participants, ex. NWSA, Ports America, SSA Marine, Motive Power Marine, Washington United Terminals, Puget Sound Pilots, and FRS Clipper, share the same goals, language, and commitments.

END OF PRESENTATION

FROM THE GREAT LAKES REGION TO THROUGHOUT NORTH AMERICA AND BEYOND

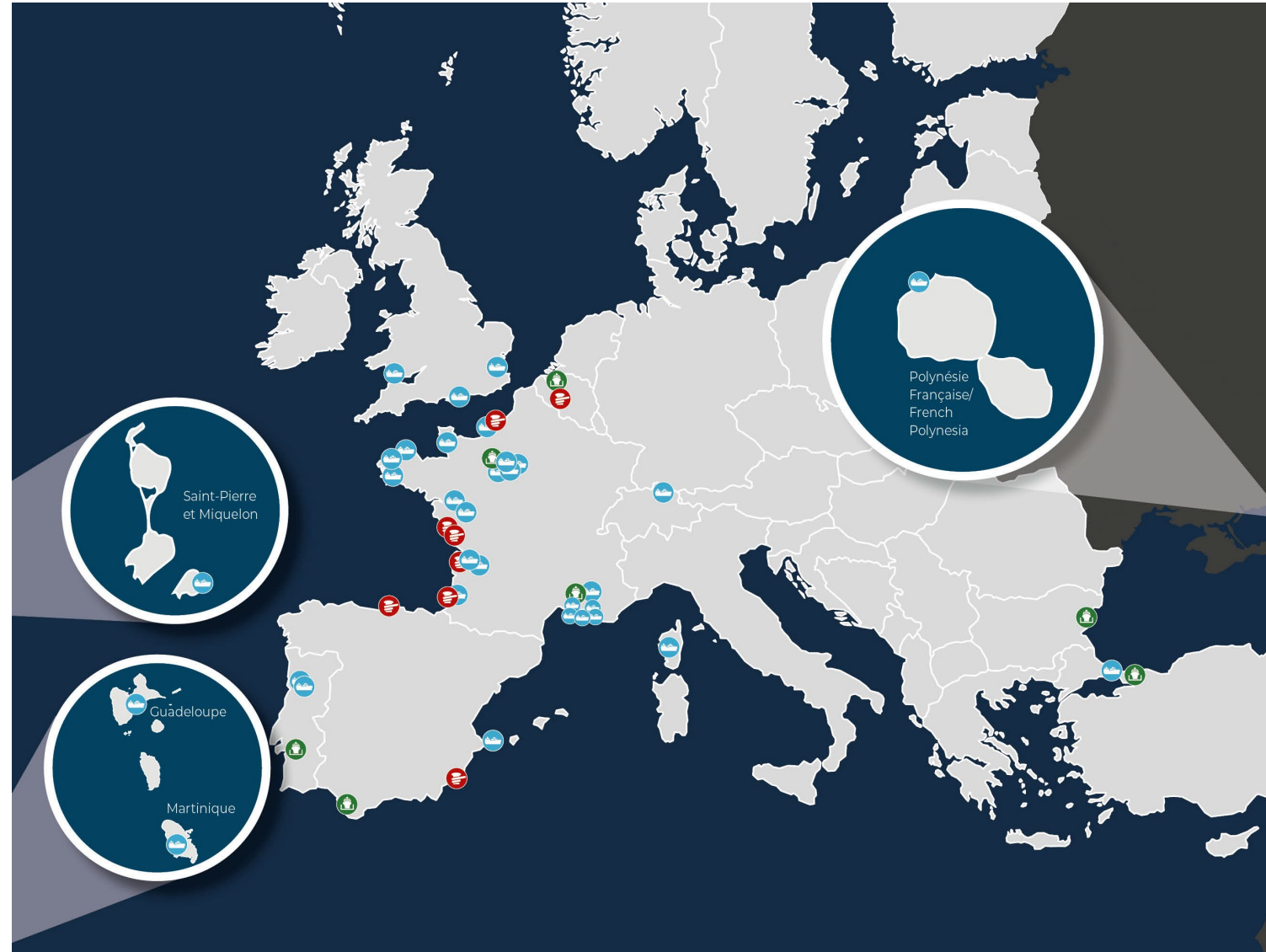


>175
PARTICIPANTS:
U.S., Canada,
Mexico, Bahamas,
Australia

**In 2013, Port of
Seattle** was the
first participant on
the US West Coast.

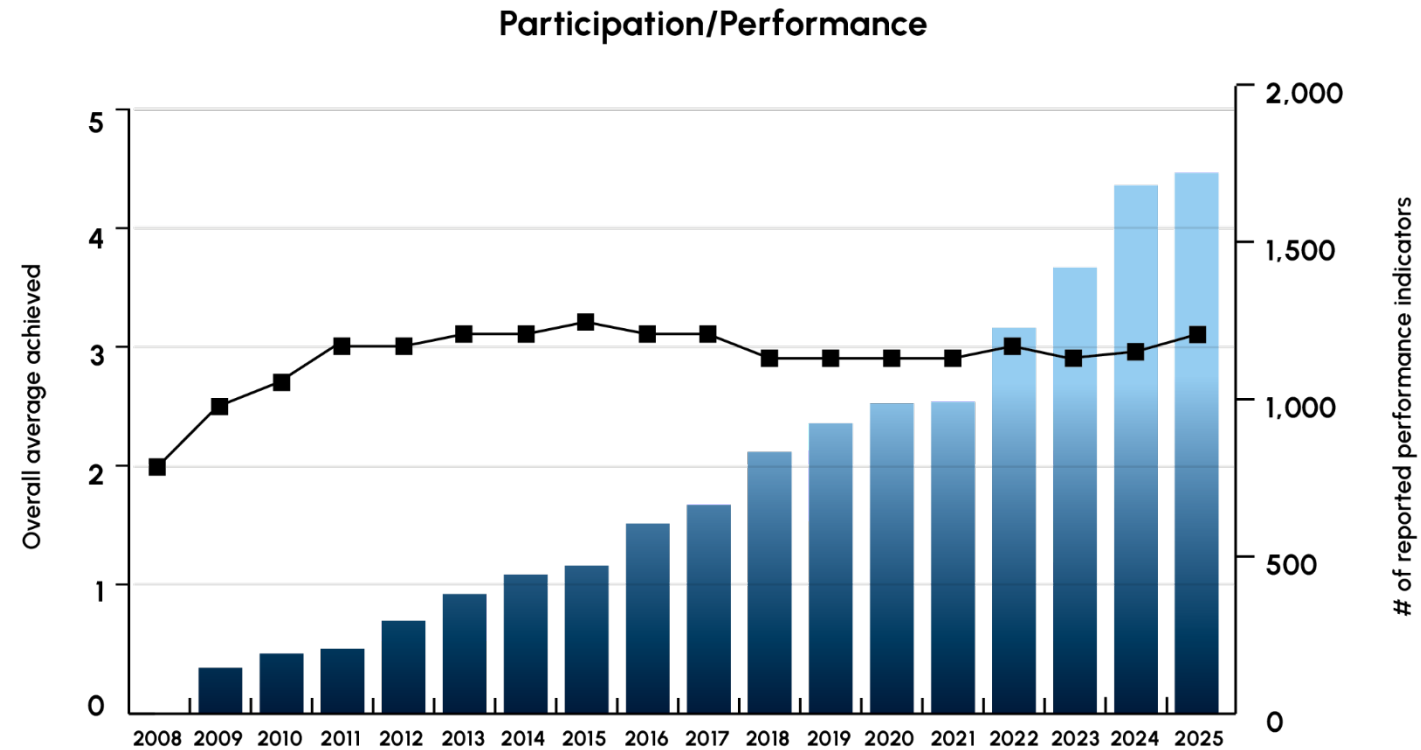
EUROPE: 45+ PARTICIPANTS

- Certification launched in **2020** in collaboration with Surfrider Foundation Europe
- **33** ship owners (an overall fleet of 530+ vessels)
- Addition of **7** shipyards since 2023
- **8** Ports (certification launched in Spring 2026)



2025 RESULTS

- **244** self-evaluations submitted
- **1,690** performance indicators reported
- Overall average increased from 2.9 to **3.1**



2025 PERFORMANCE REPORT

Green Marine's Annual Performance Report presents the latest results achieved by participants, along with an in-depth analysis of year-over-year improvements in their environmental sustainability.

[Read the 2025 performance report](#)

[View the past performance reports](#)



2025-2026 BOARD OF DIRECTORS



JAN ALLMAN

Chief Executive Officer, Fincantieri
Marinette Marine



BJÖRN BIJMA

Executive Operations Officer,
CSL Group



FRÉDÉRIC BOUTEILLE

Chief of Staff to the Deputy CEO,
CMA CGM



ISABELLE BRASSARD

Executive Vice President and Chief
Operating Officer, Fednav



DANIEL DAGENAIS

President & CEO, NEAS



KRISTIN DECAS

Chief Executive Officer, Port of Hueneme



FULVIO FRACASSI

Chief Executive Officer, Halifax Port
Authority



CHRISTOPHE MATHIEU

Chief Executive Officer,
Brittany Ferries



CAPT. MINAS MYRTIDIS

Vice President of Environmental Operations
and Compliance, MSC Cruises



SEAN PIERCE

CEO, Logistec



ERIK VARELA

Executive Director, Illinois International
Port Authority

WHY GREEN MARINE?

The Port of Seattle isn't just a participant: it's a **proven leader that other ports and industry benchmark against.**

- The Port served on the Board of Directors, 2020 - 2026 (the max, two 2-year terms), with Stephanie Jones Stebbins leading as Chair through the transition and establishment of Green Marine International in 2024;
- Track record of **13** years, **first U.S. West Coast** participant certified, sustained **top-tier results**;
- Proof, not promises: independent verification + public reporting = **credibility**
- Leadership has a cost, but so does losing it. The "cons" are the price of staying ahead of the industry, not a reason to fall back.

WHY GREEN MARINE MATTERS

- **Independent, third-party credibility:** in an environment where "greenwashing" accusations are a real reputational risk, an independently verified result is a defensible, third-party-backed answer to anyone who questions the Port's environmental claims.
- The Port of Seattle is not just in compliance, but it's **a recognized leader:** the Port achieved Level 5 (excellence and leadership) across nearly all applicable indicators for 2025.
- **A structured framework for continual improvement:** Green Marine forces discipline: participants must improve year over year across indicators as criteria get more rigorous – this converts "*we care about the environment*" into a measurable, auditable improvement trajectory.
- **Benchmarking against peer ports and the global industry:** Green Marine now spans more than 220 participants across a dozen countries, including 53 ports in the United States and Canada, 1 in Australia, and 8 in Europe, where the ports program just launched. The program also certifies terminals, ship owners, and shipyards.

WHY GREEN MARINE MATTERS

- Direct alignment with **Century Agenda** and existing commitments: Green Marine participation is not an add-on cost center – it's the measurement and accountability layer for goals the Commission has already committed to.
- **First Mover / Legacy Leadership:** The Port of Seattle was the first U.S. West Coast participant to achieve Green Marine certification (2013). That "first" is a durable reputational asset – competitor and peer ports now point to Seattle as the benchmark.
- **Stakeholder, peers, and customer trust:** Green Marine certification is a recognized signal across the maritime industry precisely because of its rigor and third-party verification. Peers certified participants (NWSA, Ports America, SSA Marine, Motive Power Marine, Washington United Terminals, Puget Sound Pilots, and FRS Clipper) share the same goals and speak the same language.

RIGOR REQUIRES INVESTMENT

- **Annual staff effort to document/evaluate/report:** This effort is the Port's existing environmental management discipline. Green Marine channels work already being done into a comparable, externally recognized format. The "cost" is largely reporting overhead on programs the Port runs regardless of certification.
- **Criteria get more rigorous over time:** This prevents complacency and keeps the Port ahead of where regulation will eventually land.
- **Public reporting increases transparency/accountability for weak spots:** Transparency about a few areas needing improvement, delivered inside a track record of Level 5 excellence in almost everything else, is a credibility strength; it's what separates real ESG from a marketing claim. Hiding underperformance is a bigger reputational risk than disclosing it inside a broader story of leadership.

FURTHER GLOBAL REACH

In 2026, Green Marine International is undertaking a second cohort of pilot projects in the **southern hemisphere**.

The newest Green Marine International potential participants are located in:

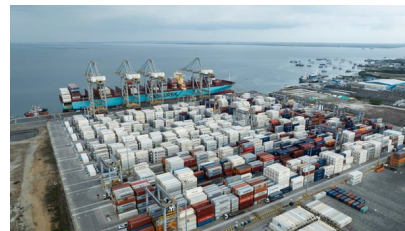
- Argentina
- Brazil
- New Zealand
- Peru
- Ecuador



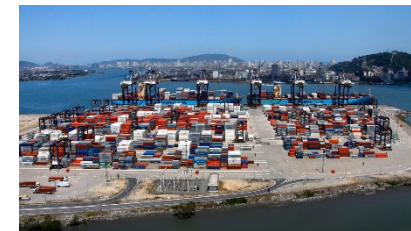
Puerto Bahia Blanca



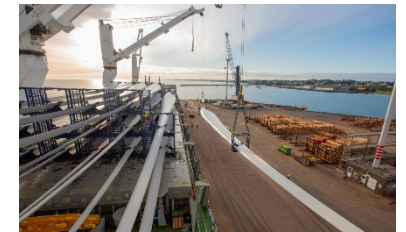
DP World - Callao



DP World - Posorja



DP World - Santos



3 Islands Intermodal

U.N. SUSTAINABLE DEVELOPMENT GOALS

- Study by **Clear Seas** in collaboration with ACPA & Green Marine
- The Green Marine program addresses 25 targets of **11 of the 17 SDGs**
- Green Marine’s newest performance indicator, **Aquatic Ecosystems**, has the **greatest correlation** with SDGs

PERFORMANCE INDICATORS

AIR EMISSIONS - GREENHOUSE GASES



AIR EMISSIONS - NOx



AIR EMISSIONS - SOx & PM



AQUATIC ECOSYSTEMS



AQUATIC INVASIVE SPECIES



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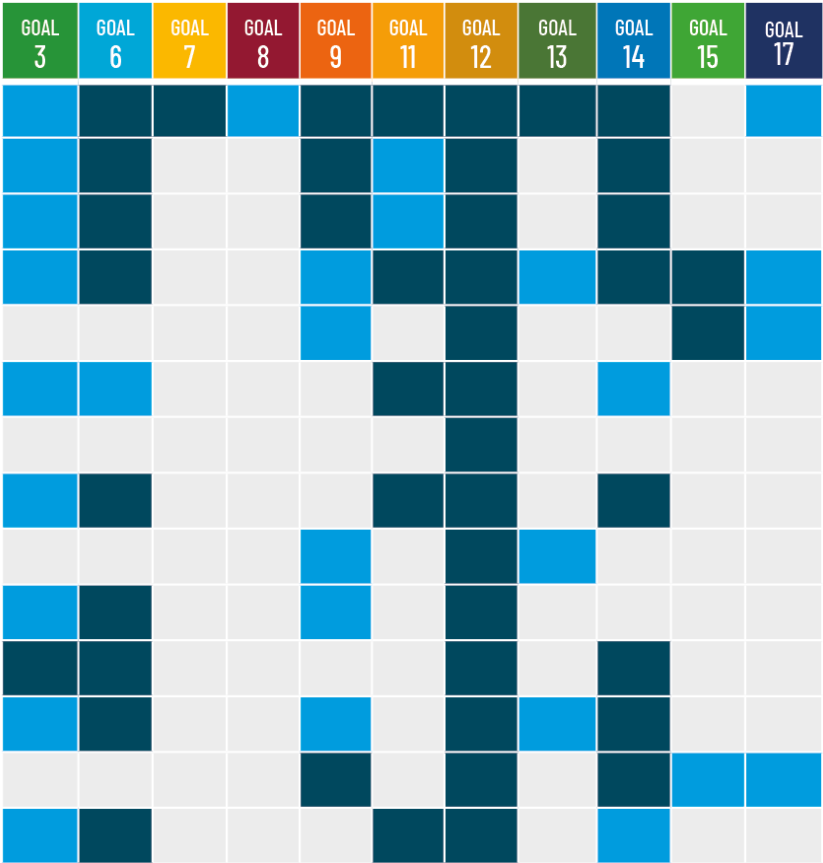
SPILL PREVENTION AND STORMWATER MANAGEMENT



UNDERWATER NOISE



WASTE MANAGEMENT



CONCLUSION: INVESTING IN OUR TRANSITION

Green Marine's membership is a **smart investment**. Annual fees are calibrated to each organization's size, so the **cost of credibility never outweighs the value** it brings. The grid presents a transparent, tiered fee structure, ensuring the participants know exactly what to expect.



FAIR & SCALABLE

A fee structure that grows with your organization. Annual fees are calibrated by fleet size, revenue, or workforce, so every participant, large or small, pays a proportionate share.



PREDICTABLE INVESTMENT

One clear, no-surprise annual fee, ranging from \$4,700 to \$20,500. Any increases are announced in advance and capped at a level close to the annual inflation rate.



TAILORED TO OUR SECTOR

Five sector-specific fee tracks: ship owners, port authorities, terminals, shipyards, and Seaway members each follow a schedule reflecting their industry's realities.



STRONG RETURN ON INVESTMENT

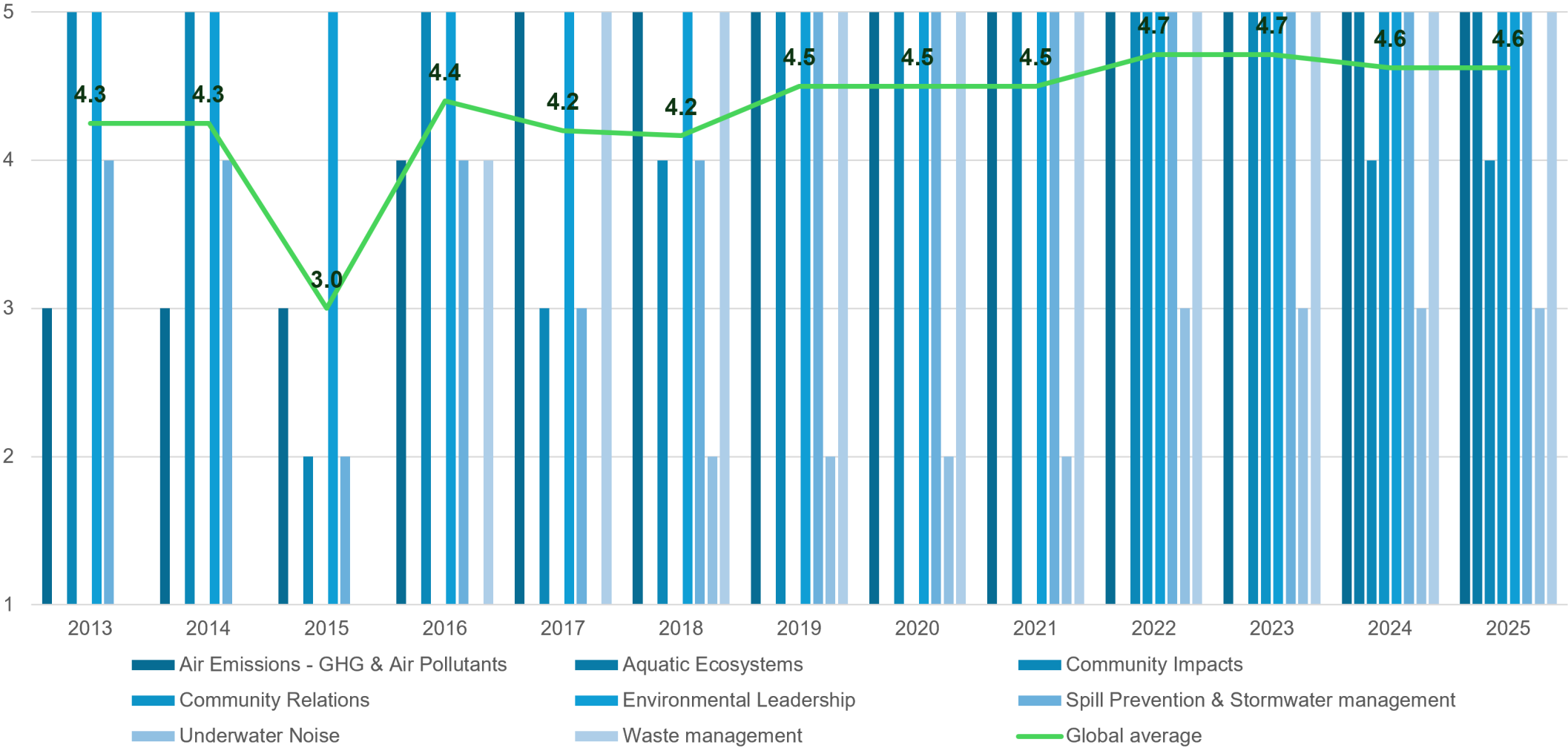
A modest cost for third-party-validated credibility. Your fee funds a detailed framework, tailored sector benchmarking tools, and access to an 18+ year network of experience and growth.



EXTERNAL VERIFICATION COSTS

The only other cost is third-party verification, required once every two years. With Green Marine's free-market approach, participants can request quotes from any accredited verifier, ensuring competitive pricing and full flexibility.

PORT OF SEATTLE LONGITUDINAL RESULTS



A SUSTAINED RECORD OF LEADERSHIP

Port of Seattle Performance 2013-2025

