Galveston Wharves
Green Marine Sustainability Report 2025

Welcome to the Galveston Wharves 2025 Green Marine Sustainability Report. This report outlines the Port's Green Marine initiatives and activities Jan. 1-Dec. 31, 2025.

We have continued to make progress towards our environmental goals and welcome your feedback.

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CEO Message

We could not have envisioned where our Green Marine journey would take us when we earned certification in 2021. With the commitment of our board of trustees and staff, we're identifying opportunities for partnerships on impactful environmental programs unimagined just a few years ago.

As a Green Marine-certified port, we recognize shore power as an opportunity to improve air quality and reduce greenhouse gases associated with maritime activities.

The final project cost estimate to provide this environmentally beneficial power to cruise ships is nearly complete. The project combines energy infrastructure expertise from Shell and CenterPoint Energy, the experience of major cruise lines Royal Caribbean and Carnival, and the educational and research resources of Texas A&M University – Galveston. In 2025, we began drawing up leases for the project to be completed on the port, the fourth busiest cruise port in the U.S.

On other fronts, in 2025 we completed procurement activities for our state grant from the Texas Commission on Environmental Quality to fund a microgrid pilot project to bring shore power for cargo ships.

LNG bunkering and shore power are two exemplary technologies that would help improve air quality and reduce the maritime industry's environmental footprint in our region.

In 2025, the port furthered its water quality objectives by following our Storm Water Pollution Prevention Plan to prevent and/or reduce pollutants in stormwater discharges from waterfront construction sites.

On the renewable energy front, we transitioned in 2024 to an electricity provider that sources 100-percent renewable energy from wind and solar power.

We designed and built our fourth cruise terminal at Pier 16 to qualify for LEED Silver certification, the most widely used green building rating system in the world. The port opened Terminal 16 in November 2025 and is applying for LEED certification in 2026.

We also strive to incorporate environmental benefits into future projects. All these programs strengthen our relationships with our business partners and the community, while making positive, long-term environmental impacts.

Sincerely,

Rodger Rees

Galveston Wharves Port Director & CEO

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Green Marine 2024 Results

- We joined Green Marine in 2019, were first certified in 2021 and have been certified annually since then. Currently, we are completing 2025 and will be audited by a verifier.
- To receive recertification, participants must benchmark their annual environmental performance through Green Marine's self-evaluation guides and show improvement each year. Our results are verified by an accredited external verifier and published by Green Marine as shown on our 2024 scorecard.
- The Port of Galveston has recertified each year as a Green Marine port, confirming our long-term commitment to continuous improvement in environmental performance. We are one of only two Texas ports certified by the voluntary environmental program for North America's maritime industry.
- Participating in Green Marine helps us identify and implement best practices, manage our environmental programs, measure our progress and strive for continuous improvement.

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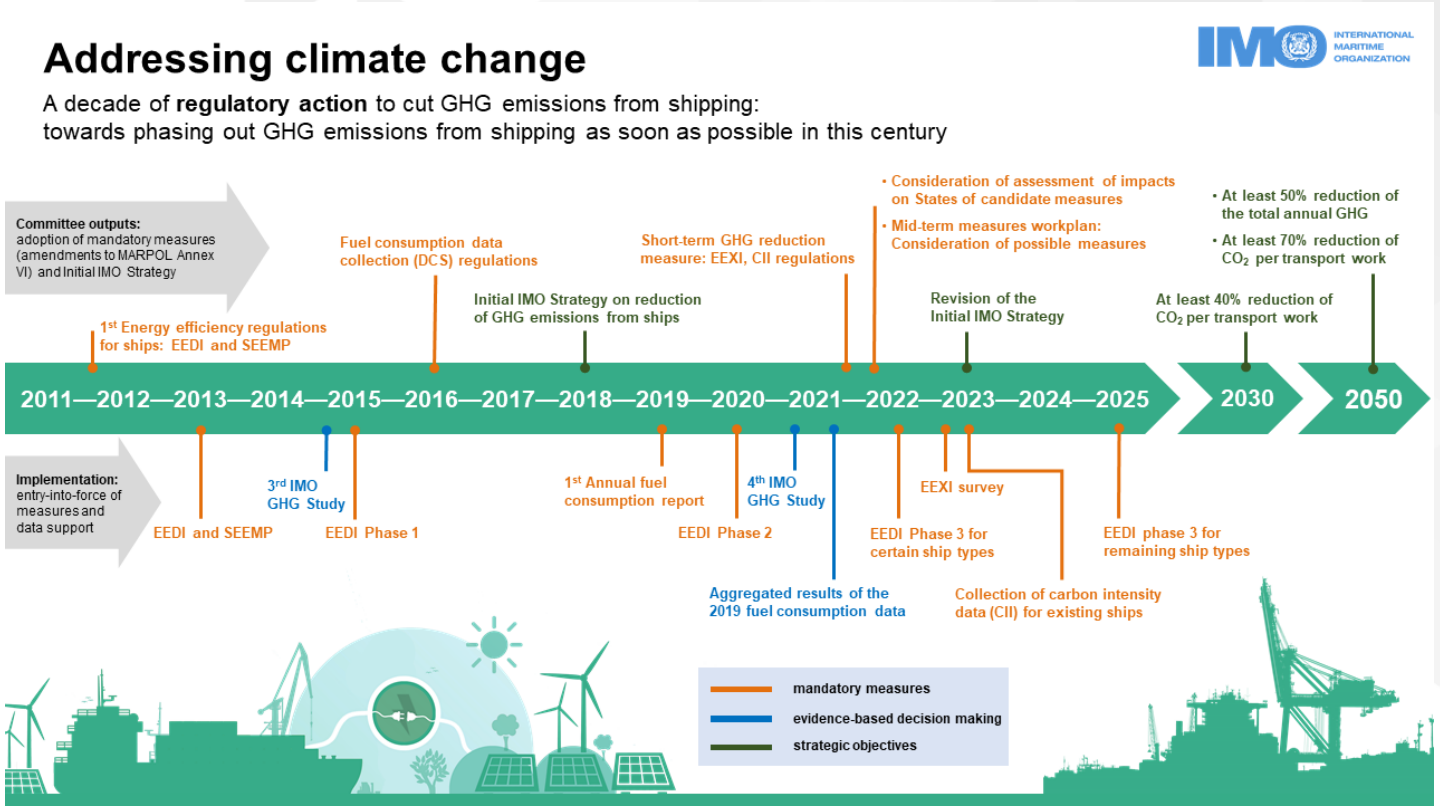
Maritime Areas of Focus

- The International Maritime Organization (IMO) has established goals to reduce the carbon intensity of international shipping by 40% by 2030 and to halve emissions by 2050.
- In keeping with these goals, the port's Green Marine program works to reduce environmental impacts on air, water and land.
- Equipment, vehicles and maritime vessels that burn diesel fuel are the primary sources of combustion-related emissions at port facilities.
- Pollutants released by diesel engines include particulate matter (PM), nitrogen oxides, (NOX), carbon monoxide (CO), sulfur oxides (SOX), and air toxics.
- Ships docking in ports use heavy fuels that emit air pollutants such as sulphur oxides (SOx), nitrogen oxides (NOx) and carbon dioxide (CO2).



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Focus – Objectives 2025

Enhance Air & Water Quality

Reduce greenhouse gases

- Conduct inventory of greenhouse gases, develop baseline, performance measures (-2% GHG) and strategies for 2025
- Conduct inspections associated with the Storm Water Pollution Prevention Plan & Spill Prevention Control & Countermeasures Plan

Waste Reduction

Increase printer cartridge recycling programs

Reinforce staff education

Volunteer events

Clean Energy

Complete EV charging stations install

Continue efforts to implement shore power

Support tenant efforts to supply LNG

Transition to 100% renewable energy

Air Quality - Greenhouse Gases

In 2021, the port began establishing a baseline for greenhouse gases. The following charts show performance through 2024. Marked decline due to buying renewable energy for electricity.

Graphic 2. Comparison of Total Emissions from 2021 to 2024 – Market-Based

Year	Annual Quantity of GHG Emissions (tCO_2 / year)	Total Quantity of Cargo Handled (US ton/year)	Total Quantity of Cargo Handled (tonnes/year)	GHG Emissions Intensity (tCO_2 / year per tonne of cargo handled/year)
2021	3,133	4,846,320	4,396,509	0.00071
2022	2,974	4,018,997	3,645,974	0.00082
2023	4,682	3,644,630	3,306,354	0.00142
2024	525	3,379,590	3,401,455	0.00017

In 2025, we are taking that at step further by establishing strategies to reduce GHG. Recommendations reviewed are shown below:

- Study emissions from stationary sources
- Examine cruise shuttle operations
- Develop maintenance plan for owned and outsourced vehicles
- Training for good driving practices ✓
- Responsible use of vehicles and equipment ✓
- Transitioned electricity contract to (100% renewable energy: 75% wind and 25% solar). ✓
- Review viability of replacement of internal lighting with LED technology ✓
- Responsible purchase of appliances and electronic devices
- Develop standards for energy efficiency for warehouses

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Waste Reduction

We're implementing several waste reduction initiatives, including recycling programs, sustainable paper products and limited use of plastic bottles. Our objective is to reduce waste in our administrative facilities and site operations. To be Green Marine-certified, the port must work to implement many actions that include the following:

- Implement reduce, reuse, recycle campaigns
- Install recycling bins in offices and facilities, including for used batteries, cartridges and fluorescent light bulbs
- Educate staff on waste management procedures, including reduce, reuse, and recycle
- Encourage tenants, users and contractors to minimize waste and to recycle
- Adopt an environmentally purchasing policy that encourages sustainable purchasing practices
- Implement Office Deport Toner Credit Recycle Program
- Utilize PowerDMS – Tree Saving feature – save trees using the document management system versus paper-based approaches
- Source heavy industrial recyclers – work with local businesses for recycling solutions to construction debris, tires and other cargo dunnage

We have collaborated with business and community partners, including the Galveston Bay Foundation, the Galveston Parks Board and Artist Boat. Most recently, port employee volunteers picked up trash and marine debris at berth 34 – the grain elevator, helped to restore a reef in Galveston Bay, and partnered with our tenants to clean up Harborside.

Clean Energy

Microgrid – Texas Commission of Environmental Quality Texas Volkswagen Environmental Mitigation Program (TXVEMP), awarding the port $1 million. The port is partnering with Texas A&M University at Galveston to research and develop a pilot microgrid for cargo ship use. A microgrid is a localized and self-contained energy system that can operate independently from the main power grid.

Shore Power – As a Green Marine-certified port, we recognize shore power as an opportunity to improve air quality and reduce greenhouse gases associated with maritime activities. This project working group is our dream team. It's a winning combination with energy infrastructure expertise from Shell and CenterPoint Energy, the experience of major cruise lines Royal Caribbean and Carnival, and the educational and the research resources of Texas A&M-Galveston.

Renewables – In 2024, the port transitioned from Reliant to MP2 electricity contract (100% renewable energy: 75% wind and 25% solar).

Microgrid	Shore Power	Renewables
•$1M grant from TCEQ •Procured second highest bidder, first could not meet requirements – Moving forward with Turtle	•Letter of Intent •Shell finalizing negotiations with cruise lines •Lease negotiations underway	•Electricity -100% renewable energy

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Green Marine Goals 2026

Enhance
- Enhance Air Quality
  - Continue to measure Greenhouse Gases
  - Review and implement where practical SGS recommendations for reducing GHG
  - Hit performance measures

Clean
- Clean Energy
  - Microgrid project with TAMUG & Turtle
  - Sign land lease with Shell

Waste
- Waste Reduction
  - Analyze waste to determine how the port can reduce landfill input

Promote
- Promote Community Leadership
  - Volunteer events
  - Galveston tree giveaway
  - Encourage other tenants to participate in Green Marine

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Leadership Galveston

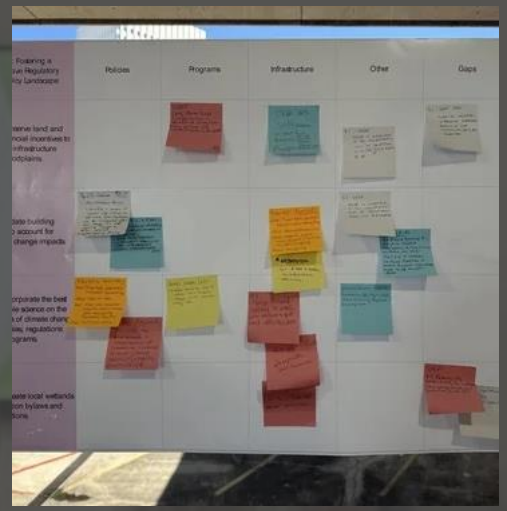
2025
GALVESTON REGIONAL CHAMBER OF COMMERCE
18TH ANNUAL CELEBRATING WOMEN:
MIND | BODY | SPIRIT
GALVESTON WOMEN'S CONFERENCE

Partnering with Parks Board for Beach Clean-up

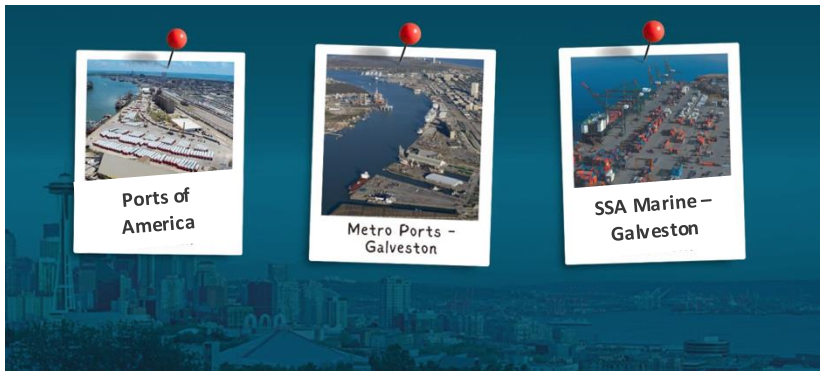
Community Partners

- The Galveston Wharves has worked to enhance its community outreach and build awareness as part of the Green Marine program.
- The port staff regularly meets with neighborhood and civic groups
- All these programs strengthen our relationships with our business partners and the community.

Port Participated in Convene on the Green



The first Convene the Green in Galveston was held in November 2024, with 50 participants from 34 organizations meeting to break down silos and share the green work happening across sectors in Galveston. In February 2025, the group re-convened to define working groups and priority topics. Convene the Green now hosts three working groups, Green Infrastructure & Implementation, Policy & Advocacy, and Education & Communication, in addition to quarterly gatherings.



Business Partners

- Metro Ports, Ports America and SSA Marine have joined the port in becoming Green Marine participants. Ports America achieved certification in 2024.
- SSA Marine achieved ISO 14001 certification. ISO 14001 sets out criteria for an environmental management system and maps out a framework to set up an effective environmental management system.
- Cruise Terminal 10, designed and built by Royal Caribbean at the Port of Galveston, was awarded LEED Zero Energy and LEED Zero Carbon certifications in 2025. Opened in 2022, it also is LEED Gold certified.
- The Galveston Wharves and its partners are making progress in realizing long-term changes to protect the environment with the Green Marine program as a guide.
- As we grow our circle of port partners, sharing ideas and efforts along the way, we collectively have a bigger impact.

Galveston's Pier 10 cruise terminal achieves dual LEED Zero certifications in 2025

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The End

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