



**A PARTNERSHIP BETWEEN
INDUSTRY AND NGOs**

AAPA Energy & Environment Seminar, Chicago
September 17th, 2014

www.green-marine.org

OUTLINE

1. What is Green Marine
 - Goals & Membership
 - Governance
 - Program & Certification Process
 - Results & Recognition

2. Engaging with Environmental Groups
 - Our engagement model
 - Specific requirements for ports
 - Our experience /Lessons learned

WHAT GREEN MARINE IS...



A **voluntary certification program** to reduce environmental footprint of marine operations by

- exceeding regulatory compliance
- promoting a culture of continuous improvement

A **benchmarking tool** to measure performance

A **partnership** initiative involving stakeholders

GREEN MARINE PARTICIPANTS ACROSS NORTH AMERICA



PORT MEMBERS (24)



U.S.

Cleveland-Cuyahoga County Port Authority
Duluth Seaway Port Authority
Illinois International Port District
Port of Milwaukee
Port of Seattle
Port of Gulfport
Ports of Indiana – Burns Harbor

Central Canada (Québec-Ontario)

Hamilton Port Authority
Montreal Port Authority
Port of Valleyfield
Quebec Port Authority
Saguenay Port Authority
Sept-Îles Port Authority
Thunder Bay Port Authority
Toronto Port Authority
Trois-Rivières Port Authority
Windsor Port Authority

Canadian West Coast

Greater Victoria Harbour Authority
Nanaimo Port Authority
Port Metro Vancouver
Prince Rupert Port Authority

Atlantic Canada

Halifax Port Authority
Saint John Port Authority
St. John's Port Authority

TERMINAL MEMBERS



There are 32 terminals, stevedoring companies and shipyards participating in the Green Marine program, operating in more than 50 locations in the U.S. & Canada.

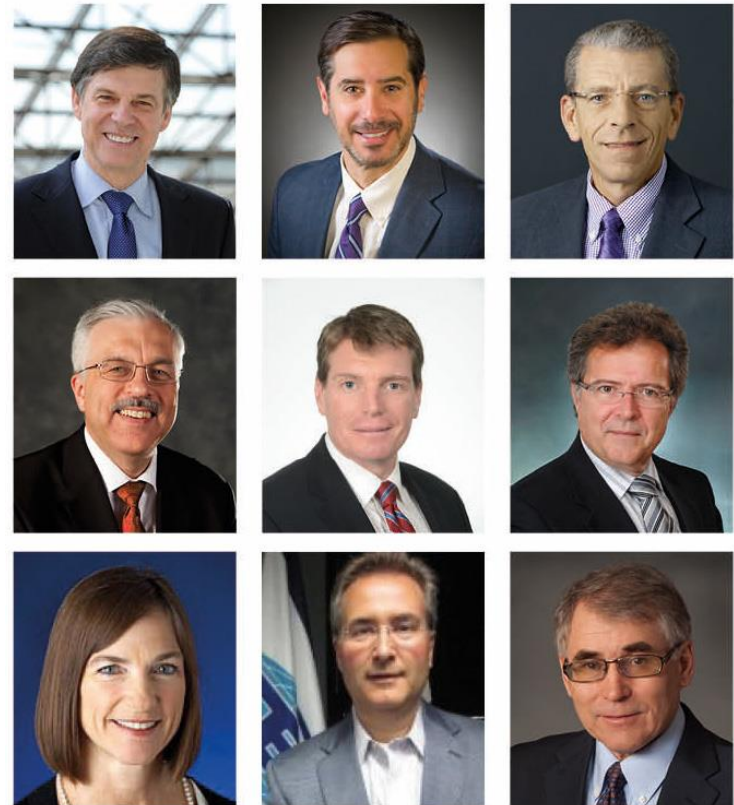


LEADERSHIP & GOVERNANCE



– *CEO leadership:*

- Terence Bowles, President & CEO, St. Lawrence Seaway Management Corporation
- William D. Friedman, President & Chief Executive Officer, **Cleveland-Cuyahoga County Port Authority**
- Paul Gourdeau, President, Federal Marine Terminals
- Don Krusel, President & CEO, **Prince Rupert Port Authority** (Vice-chair)
- Sean Leet, General Manager, Atlantic Towing Ltd.
- Jim Quinn, President & CEO, **Saint John Port Authority**
- Linda Styrk, Managing Director, Seaport Division, **Port of Seattle**
- Ron Tursi, President, Roymar Ship Management,
- Greg Wight, President & CEO, Algoma Central Corporation (Chairman)



2014/15 Board of Directors

ISSUES CURRENTLY ADDRESSED

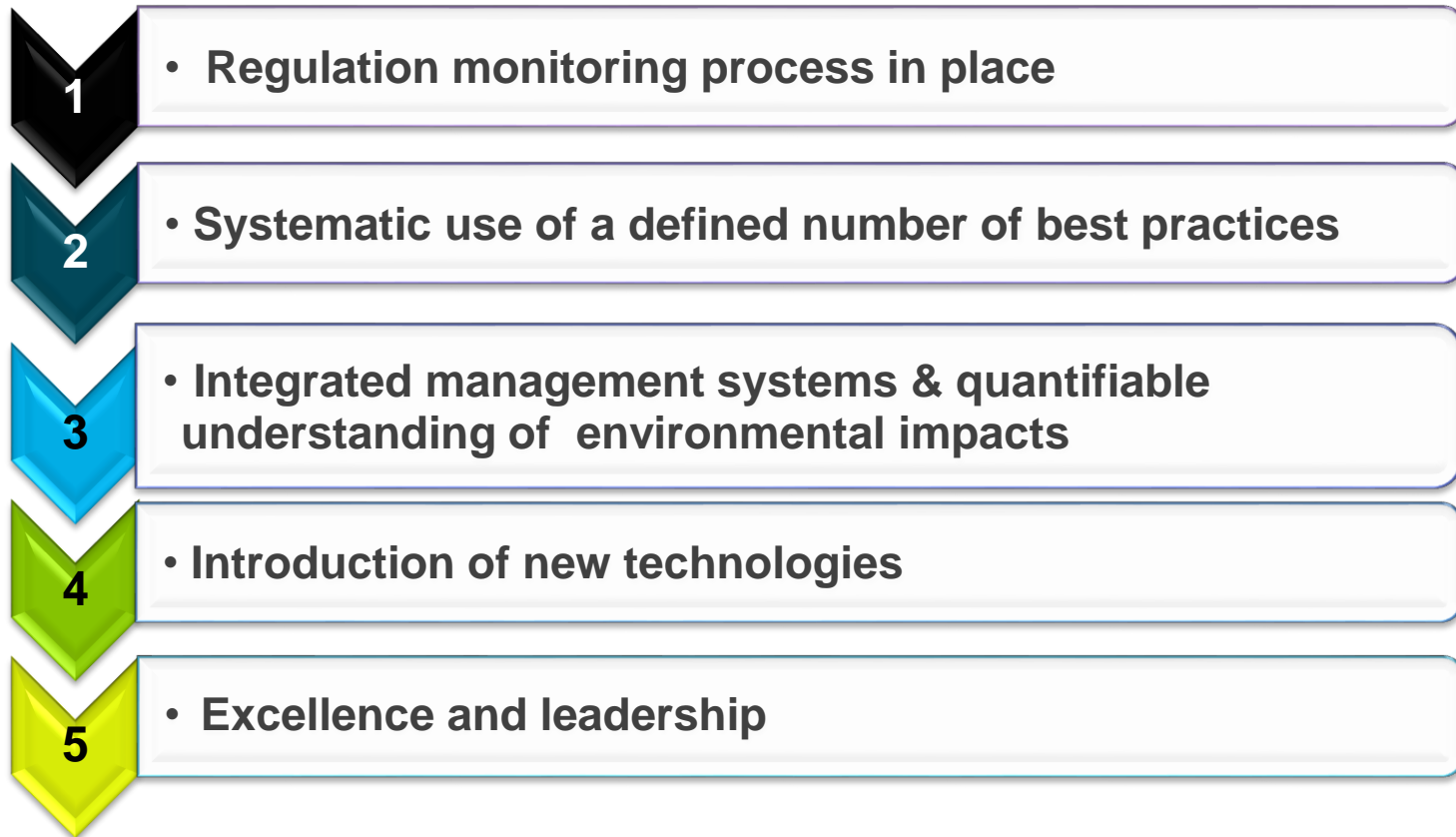


Performance Indicators	Shipowners	Ports & Terminals
1. Air emissions (NOx)	X	
2. Air emissions (SOx and PM)	X	X
3. Cargo residues	X	
4. Community impacts (dust, noise, light, odors)		X
5. Dry bulk handling and storage		X
6. Environmental leadership		X
7. Garbage management	X	
8. Greenhouse gases	X	X
9. Invasive species	X	X
10. Oily water	X	
11. Prevention of spills and leakages		X

BENCHMARKING PERFORMANCE



For each environmental issue, performance is evaluated on a scale from 1 to 5:



CERTIFYING ENVIRONMENTAL EXCELLENCE



The Green Marine certification process is made up of 4 steps:



Evaluation Process

- Annual self-evaluation requiring CEO sign-off



External Verification

- Third party verification every two years



Results Publication

- Annual Performance Report



Certification

- Exceeding regulatory compliance
- Demonstrating continuous improvement

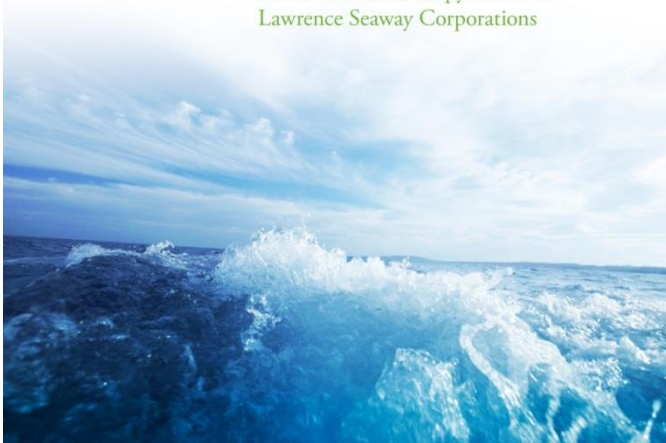
REPORTING



2013 Self-Evaluation Guide

Green Marine Environmental Program

Ports, Terminals, Shipyards & St. Lawrence Seaway Corporations




4) COMMUNITY IMPACTS - LEVEL 3

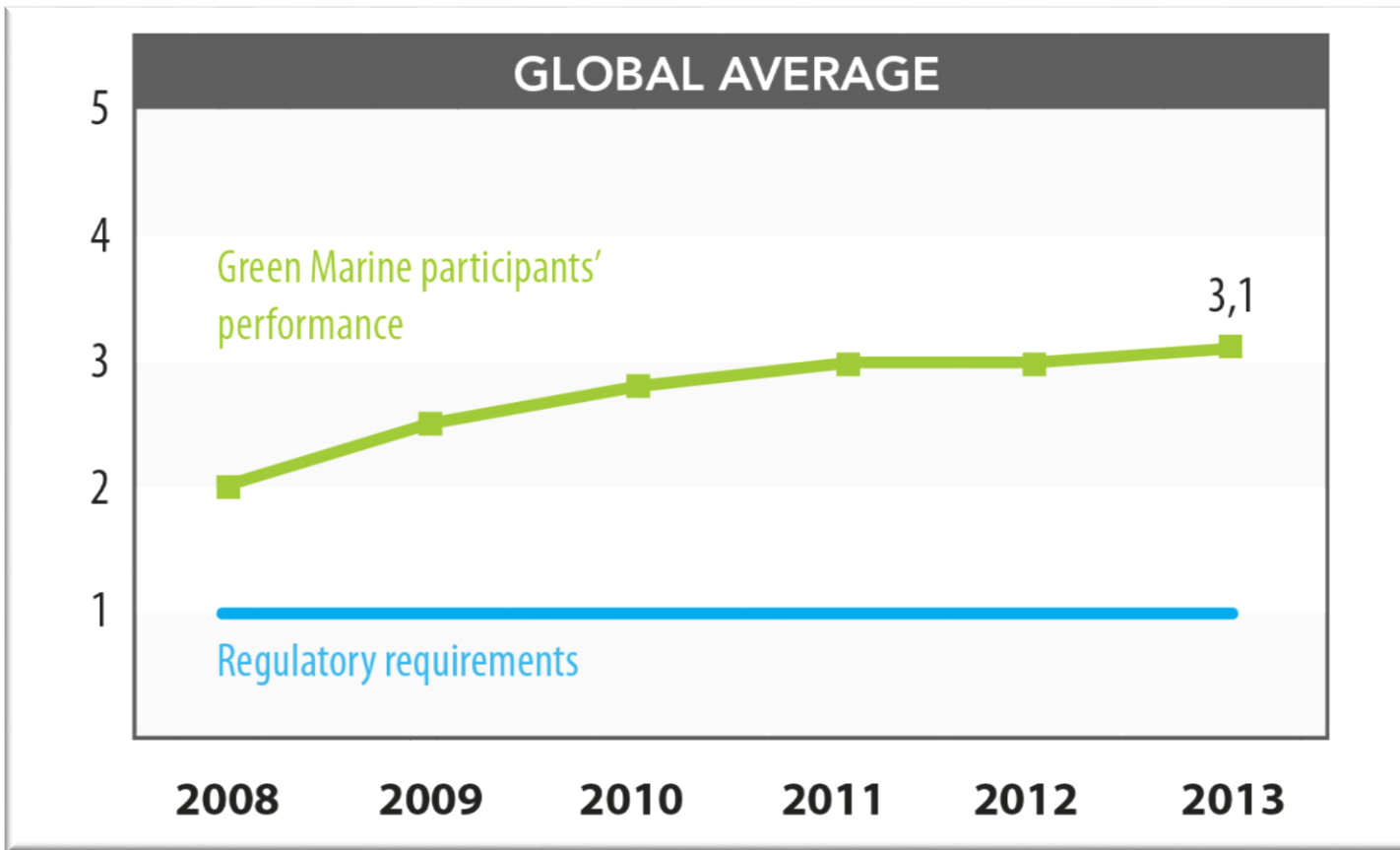
Has the port or the company fulfilled the following criteria?	Status	Proof / Justification
<p>4.3.1 Adoption of a plan for managing community impacts, which formally incorporates all applicable the best practices, set out in level 2. Such a plan is to include a procedure for handling complaints.</p> <p><u>Note:</u> See Annex 3</p>	<input type="radio"/> YES <input type="radio"/> NO <input type="radio"/> N.A.	
<p>4.3.2 Periodic sampling (at least once in the last two years) of noise and / or air emission (dust and/or odors) in the problem areas.</p>	<input type="radio"/> YES <input type="radio"/> NO <input type="radio"/> N.A.	
<p>4.3.3 Evaluate environmental and social aspects of new projects (carried out after January 1st, 2013). Optional for 2013.</p> <p><u>Note:</u> For terminal operators, new projects are new services provided or new products handled that can have an impact on the environment and/or the community.</p>	<input type="radio"/> YES <input type="radio"/> NO <input type="radio"/> N.A.	

PUBLICATION OF RESULTS



PORT AUTHORITIES 	GREENHOUSE GASES	SPILL PREVENTION	DRY BULK HANDLING AND STORAGE	COMMUNITY IMPACTS	ENVIRONMENTAL LEADERSHIP
Cleveland-Cuyahoga County Port Authority	2	4	3	2	3
Duluth Seaway Port Authority	2	5	3	2	3
Greater Victoria Harbour Authority	3	5	n.a.	5	3
Halifax Port Authority	5	5	n.a.	4	5
Hamilton Port Authority	3	3	n.a.	3	2
Illinois International Port District	3	2	n.a.	3	3
Montreal Port Authority	4	4	n.a.	5	5
Nanaimo Port Authority	2	2	n.a.	1	1
Port Metro Vancouver *	5	3	n.a.	5	5
Port of Gulfport	2	3	1	2	1
Port of Indiana-Burns Harbor *	2	3	1	2	2
Port of Milwaukee	2	3	n.a.	2	2
Port of Seattle	3	4	n.a.	5	5
Port of Valleyfield	2	2	2	2	3
Prince Rupert Port Authority	3	3	n.a.	3	4
Quebec Port Authority	3	3	n.a.	3	3
Saguenay Port Authority	3	2	2	n.a.	3
Saint John Port Authority, NB	1	2	3	2	2
Sept-Îles Port Authority	3	3	n.a.	3	5
Thunder Bay Port Authority	4	2	n.a.	2	3
Toronto Port Authority	2	2	2	2	2
Trois-Rivières Port Authority	2	2	n.a.	3	3
Windsor Port Authority	2	n.a.	n.a.	2	3

STEADY IMPROVEMENT IN PERFORMANCE



SUPPORTERS



AN UNIQUE MODEL OF COLLABORATION



ADVISORY COMMITTEES:

- 3 regional committees
- Mandate: advise on program revision and development
- Includes ports, terminals, shipowners, government, NGOs, academia

Great Lakes Committee



➤ **Industry:**

- 3 shipowners;
- 2 port authorities
- 1 terminal operator
- Seaway
- 2 associations

➤ **NGOs:**

- Great Lakes United (now vacant)
- World Wildlife Fund

➤ **Governments:**

- US Coast Guard
- Environment Canada
- Transport Canada
- Ontario Ministry of Transportation;

➤ **Research:**

- Great Lakes Maritime Research Institute
- Minnesota Sea Grant

Community impacts



LEVELS	CRITERIA
2	<ul style="list-style-type: none">• Make available a telephone number of the authority in charge of receiving complaints related to port activities.• Once a complaint has been made to the port or company, ensure that corrective measures are taken.
3	<ul style="list-style-type: none">• Adoption of a formal plan for managing community issues & responding to citizens complaints
4	<ul style="list-style-type: none">• Active involvement in local community organizations• Implement permanent communication channels• Have a documented and communicated procedure to consult the community before implementing new projects
5	<ul style="list-style-type: none">• Lead a permanent consultation committee which is open to citizens

Engaging with NGOs: Lessons learned



1. Establish a real dialogue
2. Invest in long-term relationships
3. Work with groups that are willing to be constructive
4. Be transparent
5. Be patient
6. Do it now

INFORMATION SHARING



GreenTech 2015

Green Marine 8th annual conference to be held in Seattle, May 27-29, 2015.

- Presentations on best practices, new technologies, and inspiring partnerships
- Trade show
- Certification and Green Marine's Annual General Meeting





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