



OAS

Organización de Estados Americanos



CIP

Inter-American
Commission on Ports



MÉXICO

GOBIERNO DE LA REPÚBLICA

SCT

SECRETARÍA DE
TRANSPORTE
Y TURISMO



SECRETARÍA DE
COMERCIO EXTERNO

MAZATLÁN

COMISIÓN NACIONAL DE
FOMENTO DEL PUERTO DE
MAZATLÁN



SINALOA

ESTADO DE SINALOA



MAZATLÁN

COMISIÓN NACIONAL DE
FOMENTO DEL PUERTO DE
MAZATLÁN

RIGHTSHIP

Qi

Do Ports need Environmental Stewardship?



Capt. Anuj Chopra, VP Americas

19 October 2017

happy
diwali





About RightShip...

RightShip is an **innovative** organization with a **social conscience**, best known for our work on **maritime safety**.

We also have a growing reputation for our work in **environmental sustainability**.





RightShip takes on ILO's abandoned ship

“I truly hope RIGHTSHIP will make a difference in improving the conditions of the world's sailors, by publicizing the guilty parties (companies) that choose to mistreat or abandon them. In fact, worldwide ports should be notified of owners that have a history of these type practices and penalized.”

ships, with a view to adding the details of these vessels to the company's data sets.





What is Environmental Stewardship?

Environmental stewardship can be defined as “the responsible use (including conservation) of natural resources in a way that takes full and balanced account of the interests of society, future generations, and other species, as well as of private needs, and accepts significant **answerability to society**” (Ch. 10, Worrell & Appleby, 2000, p. 263).



What is a Successful & Competitive Port?

- Profitable?
- Safe & Efficient operations?
- Collaborative?
- Environmental Stewardship?

What do the stakeholders demand!



GHG Emissions



SCOPE 3:
From sources not owned or directly controlled by but related to a company

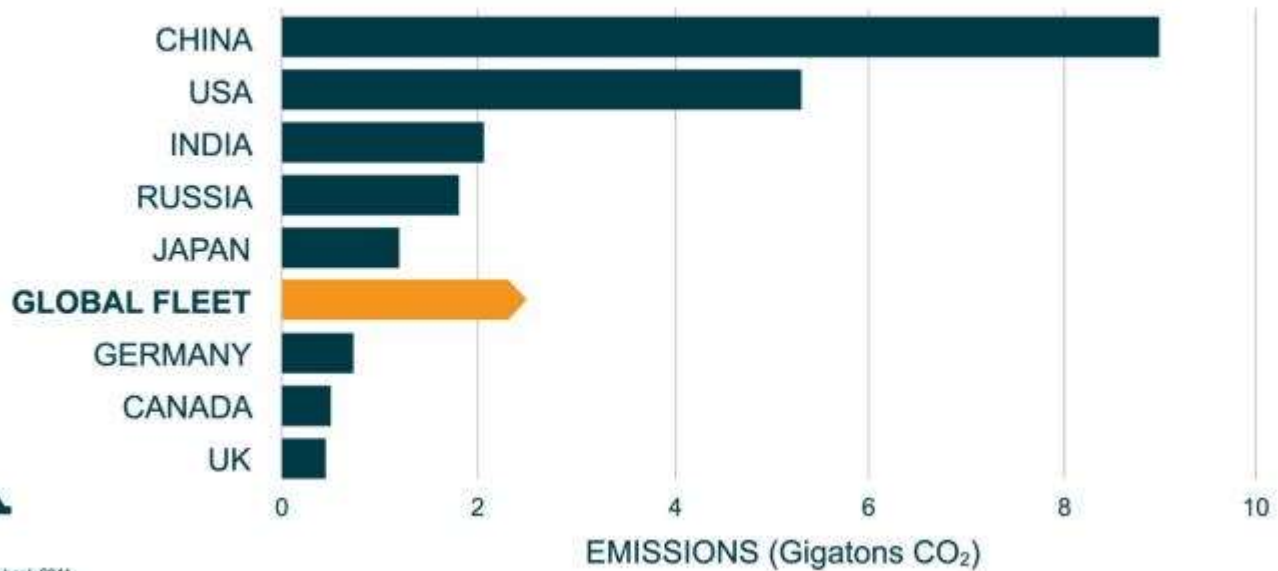
 Business Travel

Employee Commuting 


Contracted Solid Waste Disposal
Contracted Wastewater Treatment
Others



More relevant than ever....



Data sources:
Third IMO GHG Study (2014), World bank 2011

Emissions Inventory



Vessel Specifications

IMO:	9604988
Name:	PACIFIC TREASURE
GHG Emissions Rating:	D
DWT:	181458
Total Cargo Capacity (t):	181458
Cargo Loaded (t):	179,003.00
Voyage Load Factor:	98.65%
Voyage Fuel Type:	HFO
EEDI/EVDP*:	2.3528
Fuel Conversion Factor:	3.1144

GHG Emissions - Part Cargo

	CO ₂ e (kg)	CO ₂ e (t)	
Well to Tank (WTT):	159,173.35	159.17	Fuel Production
Tank to Wheels (TTW):	1,928,446.38	1,928.45	Voyage
Well to Wheels (WTW):	2,087,619.73	2,087.62	Full Lifecycle

SCOPE 3 Emissions

2,088



THE LINK . . .

RIGHTSHIP



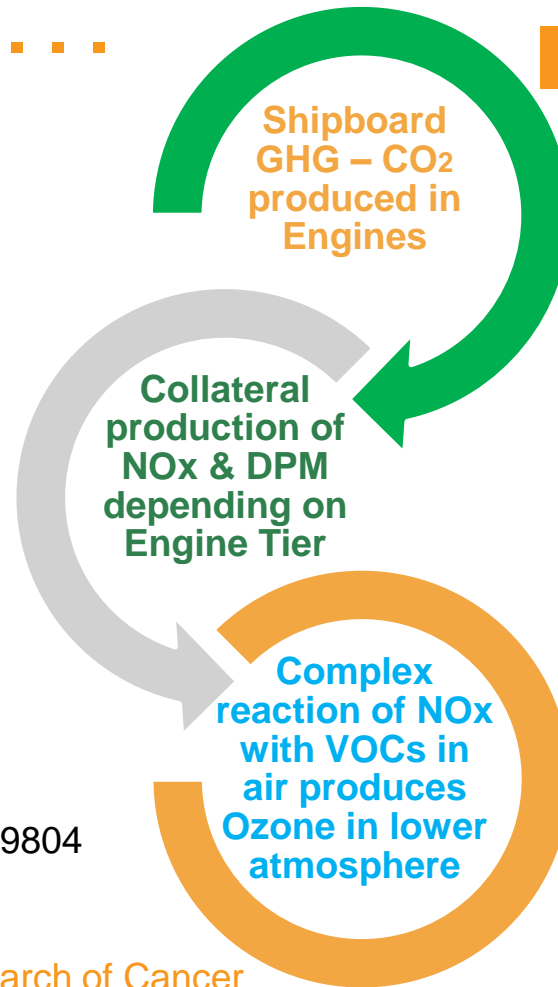
GHG to NO_x & DPM to VOC & Ozone

Lower level Ozone, NO₂
& DPM are directly related
to Cancer, breathing
difficulty & aggravation of
lung infections - NIH

Ozone & NO_x = <http://www.ncbi.nlm.nih.gov/pubmed/7489804>

DPM = <http://www.ncbi.nlm.nih.gov/pubmed/22126432>

DPM = carcinogenic – see [International Agency for Research of Cancer](#)





Reducing Shipping's GHG Emissions Requires a Collaborative Approach





Finding a green ship in a blue ocean

Video





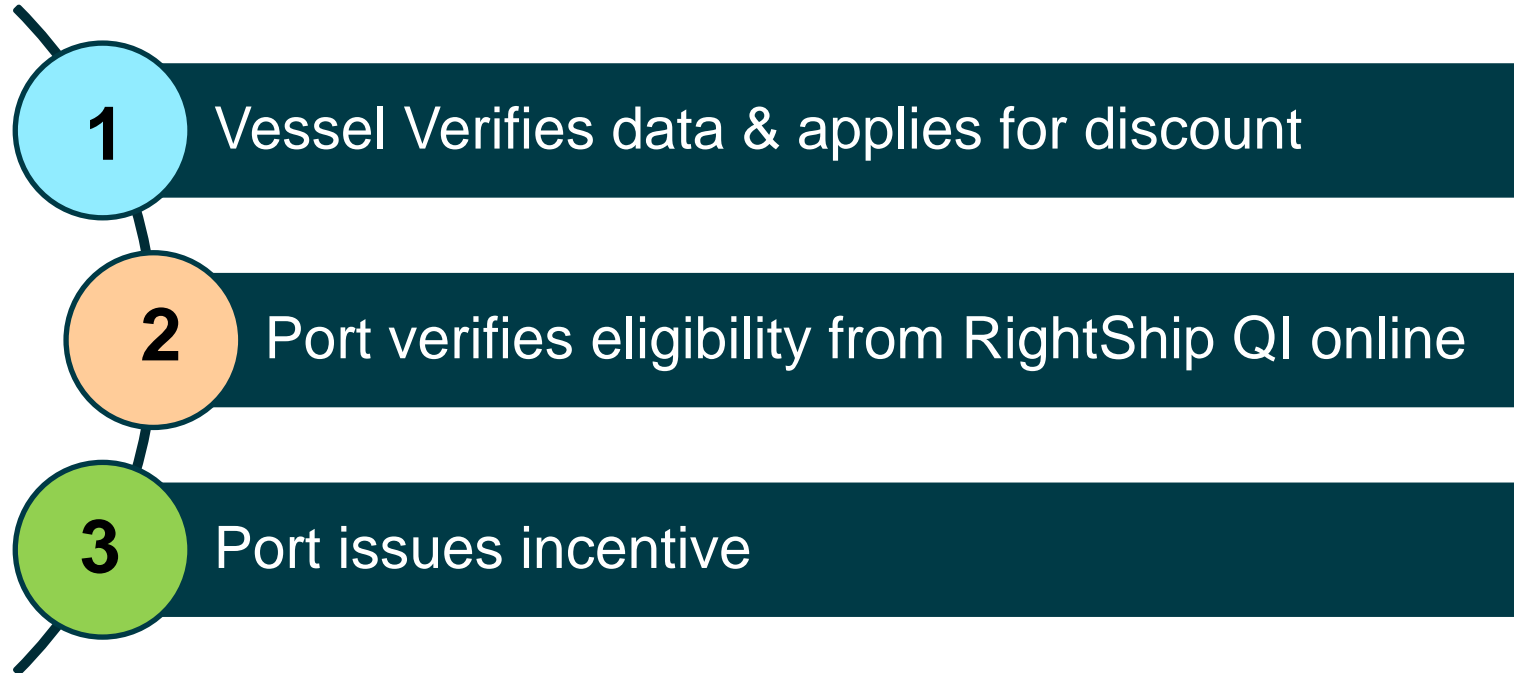
Port INCENTIVE PROGRAM





How DOES THE PROGRAM work?

Port determines incentive program to reward energy efficient vessels





Port Incentive Program – 6 Step RoadMap

1

- Initial engagement with ports to scope **will and capability** to offer incentives

2

- Overview of **structure and benefits** within a environmental incentive program

3

- **Benchmark** historical vessel arrivals to estimate potential **cost implications** for the port incentive program

4

- Port **internal approval process** – determine structure of incentive program including cost, administration, communications and operational requirements

5

- Develop a joint **media plan** and **schedule** for press release

6

- **Implement** environmental incentive program, including ongoing monitoring and program reviews



Port Incentive Program – Scope

1

- Initial engagement with ports to scope **will and capability** to offer incentives

- Sign **MOU** with RightShip as facilitated by OAS - CIP
- Provide **historical list of vessels** calling at port for the last two years for analysis (date of arrival, date of departure, IMO #, DWT, ship type and vessel name)
- RightShip provides **detailed analysis** within four weeks



Port Incentive Program – structure & benefits

2

- Overview of **structure and benefits** in the Incentive Program

- **Review analysis** of the vessel calls
- **Determine eligibility** for discount/benefit
- **Decide** on **incentive** structure



Port Incentive Program – Costs

3

- **Benchmark** historical vessel arrivals to estimate potential **cost implications** for the port incentive program

- RightShip provides **detailed benchmarking** and analysis report
- Identify approximate **number of vessels** for incentive program
- **Estimate cost** implications of incentive program



Port Incentive Program – Approval

4

- Port **internal approval process**– determine incentive program costs, administration, communication and operational requirements

- Internal incentive **program approval**
- Internal **budgetary approval**
- **Name & start date** of the incentive program



Port Incentive Program – Media release

5

- Develop a joint **media plan** and **schedule** for press release

- Develop a joint **media plan**
- **Media release** schedule
- Port **website** and newsletter



Port Incentive Program – go live

6

- **Implement** environmental incentive program, including ongoing monitoring and program reviews

- **Training** of port personnel on QI
- **Implementation** by port administration
- **Ongoing** monitoring
- **Periodic review**

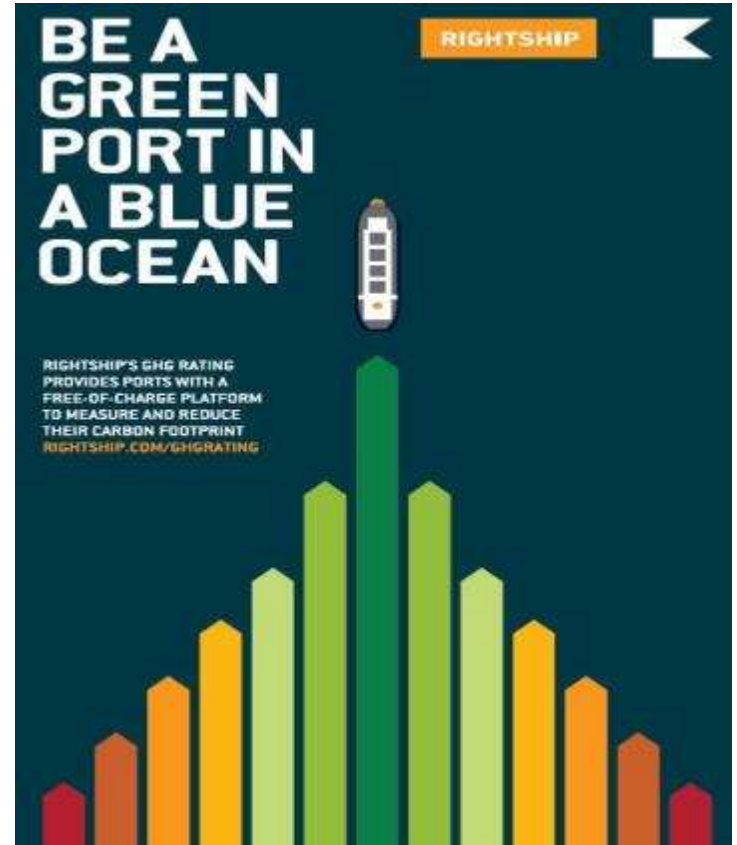
Act Local – Think Global!



Key benefits for ports

- Reduced emissions in port & the voyage
- Increase cargo volumes – **Cost \$0!** reduce GHG emissions
- Monitor and track emissions per call
- Public image / stakeholder relations
- Health benefits – *all stakeholders*

Cost





Partnering for Sustainable Ports



Port Authority

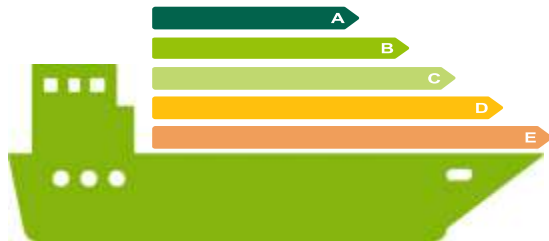
- Is the owner, administrator and decision maker of the program
- Costs of incentives determined by port

RightShip

- Provides data free-of-charge
- Provides annual benchmarking and/or inventory updates
- Can assist with the design and implementation of the port incentive program
- Assistance provided to ports as part of RightShip's Corporate Social Responsibility



Rewarding Sustainable Vessels . . .





DO YOUR PART

- Secure the Maritime Supply Chain, be *Profitable!*
- Accelerate industry sustainability - *working together*
- Opportunity to *reward & incentivize* energy efficiency
- Environmental Stewardship, Transparency & **Resilience**

THANK YOU!

RIGHTSHIP



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