

Environmental Ship Index Incentive Program

Ocean-Going Vessel Incentives



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Ships are the Port of Los Angeles' largest contributor to air pollution.

The Clean Air Action Plan 2010 Update outlines long-term emission reduction and health risk-reduction goals for the Port.

Emissions reductions from ships are needed to meet those goals.

Environmental Ship Index (ESI)

ESI is an international voluntary incentive program that focuses on vessels going above and beyond International Maritime Organization (IMO) regulations. ESI was developed through the International Association of Ports and Harbors, World Ports Climate Initiative.



Operators earn the ESI incentive by using cleaner technology and fuel that reduce emissions. ESI assigns clean ship ratings to vessels and ports can provide incentives to reward top performers.

- **Nitrogen Oxides (NO_x) Points** are based on tested NO_x emissions for the vessel's main and auxiliary engines, as shown on the vessel's EIAPP Certificate.
- **Sulfur Oxides (SO_x) Points** are based on the amount and fuel sulfur content per bunkering event for heavy fuel oil, marine gas oil (MGO) and/or marine diesel oil (MDO). Additional points are given if ship is equipped with Onshore Power Supply.
- **Carbon Dioxide (CO₂) Points** are accrued with confirmation that a vessel has a Ship Energy Efficiency Management Plan (SEEMP).

Port of Los Angeles Environmental Ship Index Program



\$1,250

ESI Score 40+
per call

\$1,000

ESI Score 35-39
per call

\$750

ESI Score 30-34
per call

\$250

ESI Score 25-29
(7/1/12 - 12/31/12)
per call

Additional Incentive Opportunities - OGV5 & 6

\$3,250

Vessel with IMO Tier 3 Main Engine
per call

OGV5 - Cleaner Engines

\$750

Vessel with IMO Tier 2 Main Engine
per call

\$750

Main Engine Demo Participation
per call

**OGV6 - Engine Emissions Reduction
Technology Improvements**

Registration

Environmental Ship Index
Port of Los Angeles Incentive Payment

<http://esi.wpci.nl>

<http://www.portoflosangeles.org/environment/ogv.asp>

ESI Incentive

Vessels registered in ESI that call the Port of Los Angeles and meet incentive criteria will receive an incentive on a quarterly basis.

The Harbor Department will pay incentives to vessel operators for ship calls only after the date they have:

- **registered for ESI**
- **enrolled with the Harbor Department**

On a one-time basis only for the first quarter of the program, the Harbor Department will pay incentives for qualifying ship calls from July 1, 2012 to September 30, 2012, provided the vessel operator is both registered for ESI and enrolled with the Harbor Department by September 30, 2012.

OGV5 Incentive

Focuses on the early introduction and preferential deployment of vessels meeting the IMO Tier 2 and Tier 3 NOx limit for main engines that call at the Port of Los Angeles. Vessels that have these newer main engines qualify to receive the incentive.

OGV6 Incentive

Encourages demonstration and deployment of cleaner vessel main engine technologies that are validated by the California Air Resources Board through the Port's Technology Advancement Program. Vessels that voluntarily participate in a demonstration project qualify to receive the incentive. All these incentives are aimed at reducing NOx, DPM, and SOx.

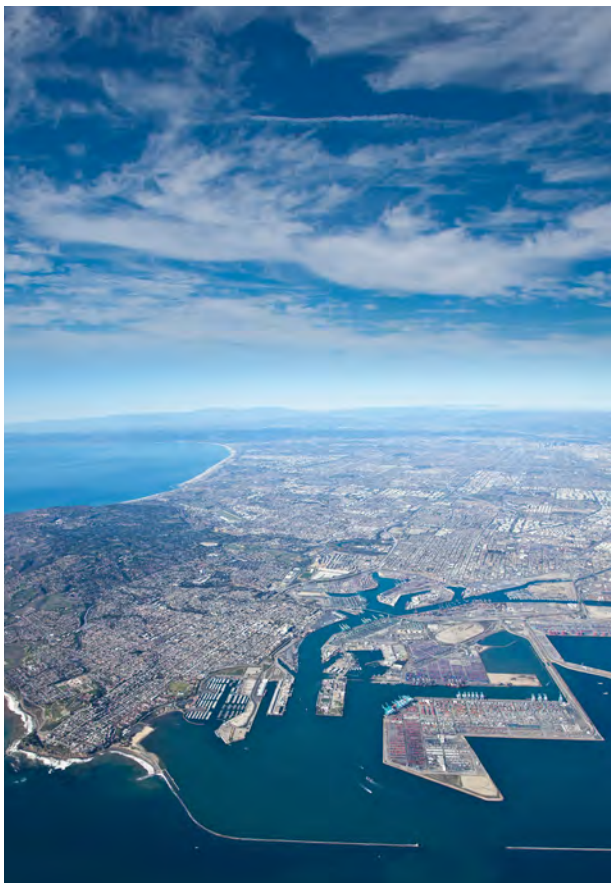
First North American Port to Join ESI!

The Port of Los Angeles is the first seaport in North America and the Pacific Rim to adopt an international clean air program that rewards ocean carriers for bringing their newest and cleanest vessels to the Port.

On May 3, 2012, the Los Angeles Board of Harbor Commissioners formally approved an ESI program to take effect July 1, 2012.

“The ESI sets the gold standard for green shipping and we encourage other ports to follow suit.”

— Port Executive Director Geraldine Knatz



ESI Ports/Incentive Providers

Port of Los Angeles
Autorità Portuale di Civitavecchia
Brunsbüttel Ports GmbH
Green Award Foundation
Groningen-Seaports
Hamburg Port Authority
Port of Amsterdam
Port of Antwerp
Port of Ashdod
Ports of Bremen/Bremerhaven
Port of Le Havre
Port of Oslo
Port of Rotterdam
Port of Zeebrugge
SEEHAFEN KIEL GmbH & Co. KG
Tata Steel IJmuiden Terminals



For More Information:

Environmental Ship Index:

<http://esi.wpci.nl>

Port of Los Angeles Incentive Payment Registration:

<http://www.portoflosangeles.org/environment/ogv.asp>



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