

JULY 11, 2017
BIOECONOMY 2017

BIOFUELS FOR THE MARITIME INDUSTRY

MATT ARMS
ASSISTANT DIRECTOR
ENVIRONMENTAL PLANNING

PORT OF LONG BEACH

Global trade hub and regional economic engine

#2

Busiest U.S. container port

\$180

BILLION

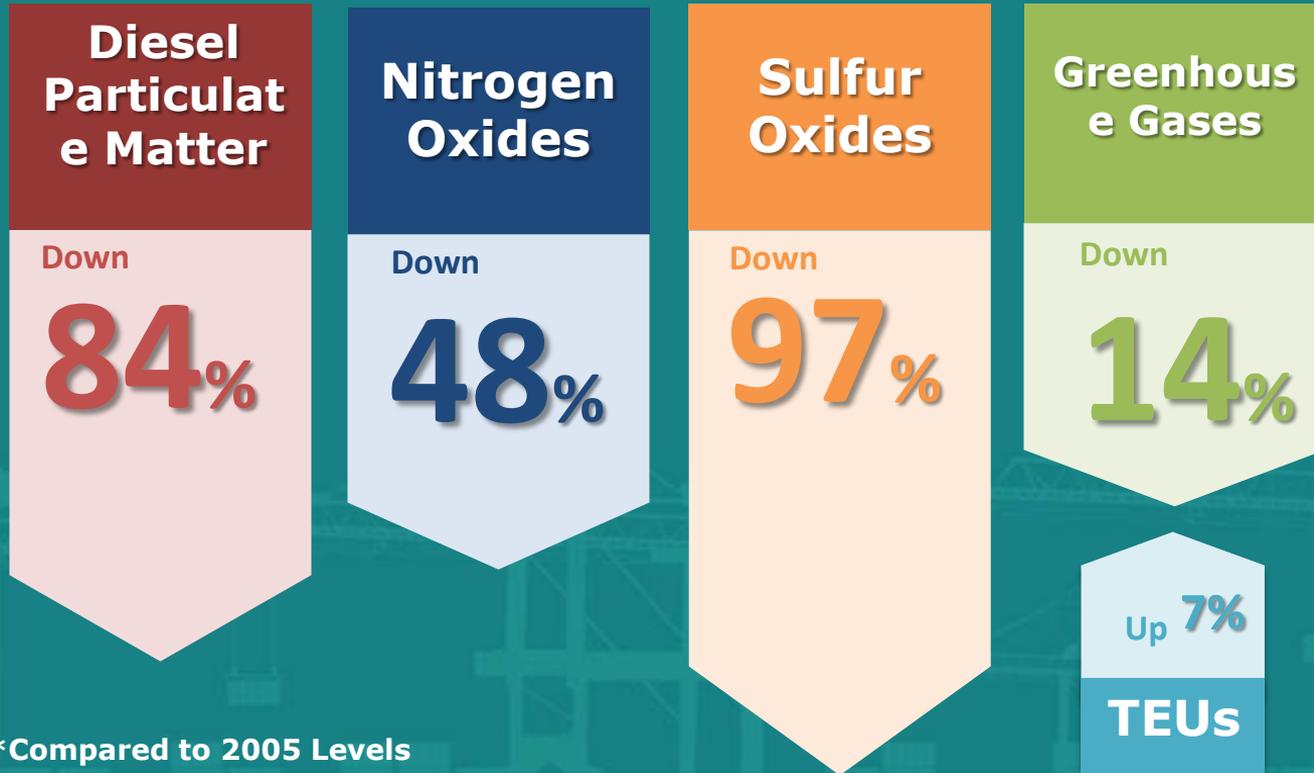
Worth of trade shipped
annually

300

THOUSAND

Jobs created in Southern
California

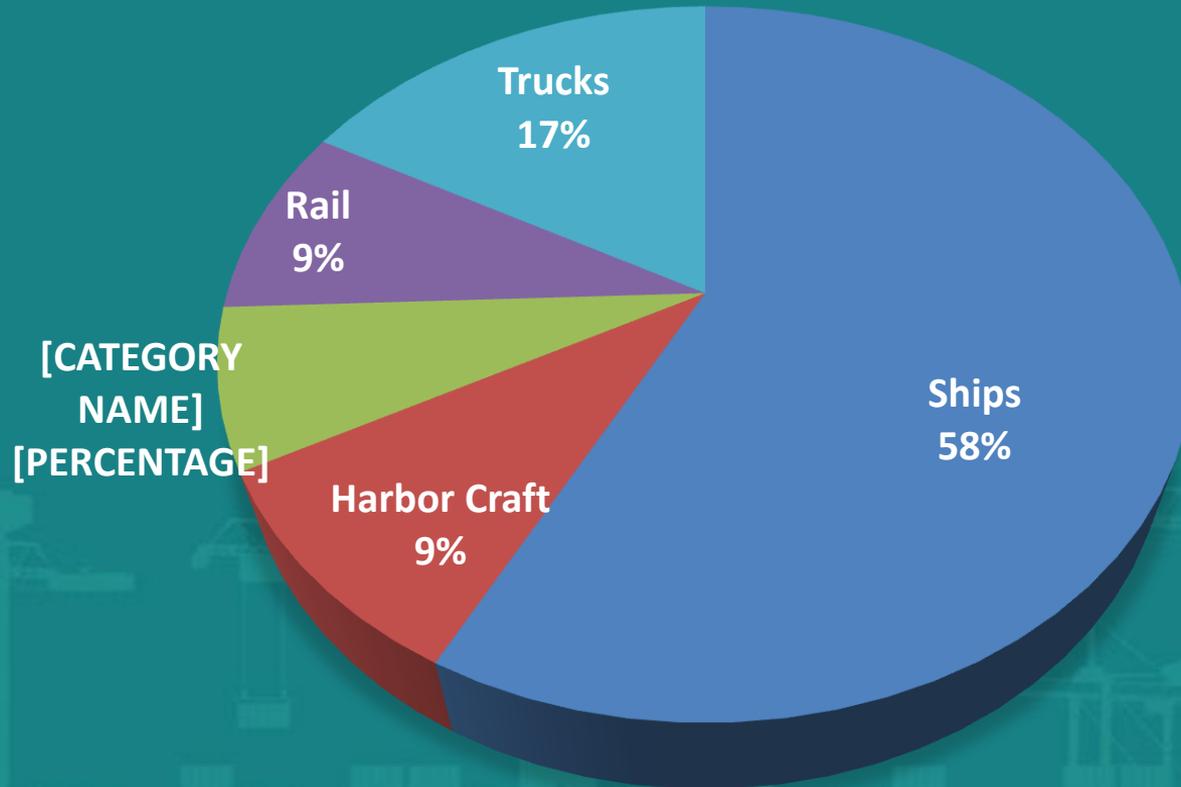
2015 AIR EMISSIONS INVENTORY



*Compared to 2005 Levels

Port of LONG BEACH

PORT NO_x EMISSIONS BY SOURCE - 2015



[CATEGORY
NAME]
[PERCENTAGE]

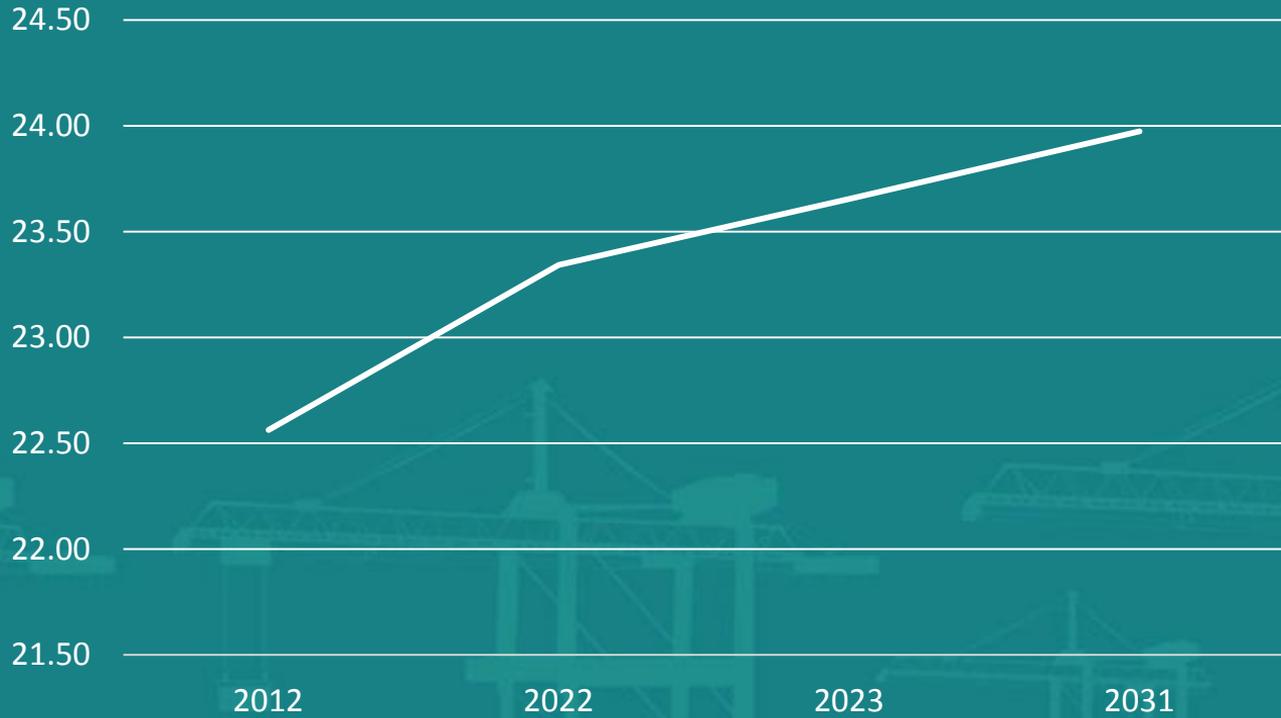
Port of **LONG BEACH**



Reduced Emissions

30% NO_x reduction from ships & harbor craft

PROJECTED SP-Bay SHIP NOx EMISSIONS (tpd)



Port of **LONG BEACH**

PROJECTED SP-BAY HARBOR CRAFT NO_x EMISSIONS (tpd)



Port of **LONG BEACH**



Challenges

User Acceptance, Availability, Cost, Regulatory Drivers



Technology Advancement

Port program funds emerging technologies

ON TRACK FOR TOMORROW!

WWW.CLEANAIRACTIONPLAN.ORG/TAP



Port of
LONG BEACH

The Green Port