

# Case Study: Environmental Successes at the Port of Long Beach and Port of Los Angeles



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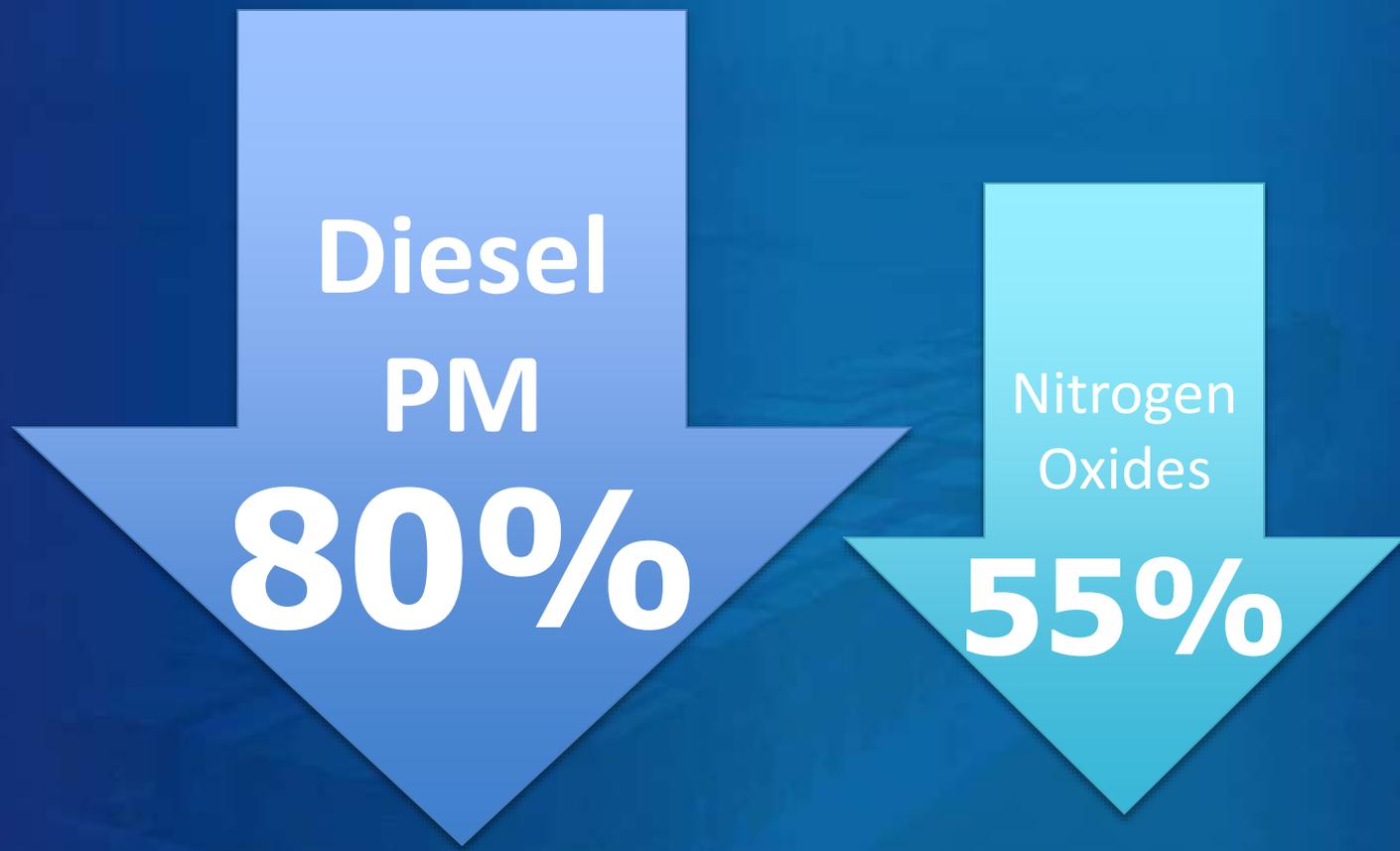
# San Pedro Bay Ports

Premier gateway for U.S-Asia  
trade, major Southern California  
economic engine

An aerial photograph of a port facility, likely San Pedro Bay, showing various structures, roads, and a large body of water. A large green rectangular overlay is positioned in the lower-left quadrant, containing white text. The background image is partially obscured by this overlay and a dark green header at the top.

# **Environmental Commitment**

## **San Pedro Bay Ports lead the way in reducing impacts of Port operations**



**2012 Emissions Inventories**

# Reducing pollution

- Collaboration with private industry and public partners
- No “one size fits all” approach
- Mix of requirements and incentives





**Clean Trucks**  
Port program replaced 11,000  
vehicles, reducing truck  
emissions by 90%.



# Slower Ships

**The Vessel Speed Reduction Program prevents more than 1,000 tons a year of air pollution.**

# Green Ships

The Port gives financial incentives for ships with the cleanest engines.





## Plugging In

Beginning in 2014, half of the container ships will plug in for shore power while at berth.

# Shore Power Alternatives

Port funding tests of alternative to shore power for vessels that call infrequently.



# Technology Advancement Program (TAP)

\$1.5 million in port funding available each year

23 projects, including exhaust scrubbers for ships, fuel valve studies, electric trucks





## **Ultimate Goal**

**The Port is investing in zero- and near-zero emissions technologies with the goal of becoming an emissions-free port.**



**Reliable Energy**  
Sustainable energy use, conservation,  
efficiency and resiliency are top Port  
priorities.



# Going Beyond the Ports

Both Ports have developed community mitigation grants programs to address impacts in neighboring communities