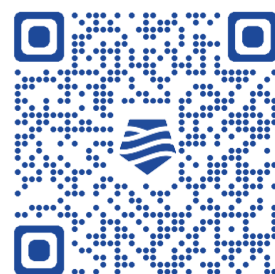


Noteworthy Projects



Questions or comments? Please email Port staff at:
mcas@portofsandiego.org



2024-2025

Maritime Clean Air Strategy Highlights

Published September 2025



Overview

The Maritime Clean Air Strategy (MCAS) is a strategic planning document the Port of San Diego Board of Commissioners adopted in October 2021 to help identify future projects and initiatives that reduce emissions while also supporting efficient and modern maritime operations. The MCAS recognizes that bold and transformational action is urgently needed to improve air quality and public health. In pursuit of "Health Equity for All", the MCAS identifies several aspirational, near-term goals and objectives to be accomplished by 2026 and long-term goals for 2030.

Status of MCAS Objectives

Collectively, the MCAS has 40 separate initiatives which lead to projects, partnerships, and studies. As of July 2025, approximately 80% of MCAS objectives have been implemented, which include in-progress and completed objectives.

Emission Sources:

	On-going	Implemented
Cargo Handling Equipment	1	
Commercial Harbor Craft		5
Shipyards	1	1
Heavy Duty Trucks	1	7
Port of San Diego Fleet	1	3
Oceangoing vessels		3
Rail	1	1

Stakeholder-Driven Priorities:

Community Enrichment	4	
Public Health		4
Enabling	1	6
Totals:	10	30

Collective Achievements

Clean Cargo Project \$58.6M Award • \$27.7 Match • \$86.3M Project



The Port of San Diego was awarded funding from the United States Environmental Protection Agency which will further electrify operations at the Port's two maritime cargo terminals and support zero-emissions freight movement.

Electrical Infrastructure

- Electrical Upgrades
- Switchgear / Transformers
- Conduit and wiring

3 Shorepower Plugs

- Oceangoing Vessels
- Commercial Harbor Craft

53 Chargers

- 10 Level 2 Chargers
- 43 DC Fast Chargers

32 Zero Emission Equipment

- 1 Top Handler
- 15 Forklifts
- 16 Yard Trucks

45 Zero Emission Trucks

- 20 Medium-Duty Vehicles
- 25 Heavy-Duty Vehicles

Community

- Workforce Development
- Education & Outreach

partners include:



Portside Community Academy



A total of six cohorts have graduated from the award-winning Portside Community Academy. In 2024, the Academy included both English and Spanish cohorts. Since its launch in 2023, the Academy has graduated nearly 150 participants from its educational program. The curriculum explores the Port's clean air and electrification projects, focusing on impacts to human health, quality of life, and technological advancements in the maritime industry.



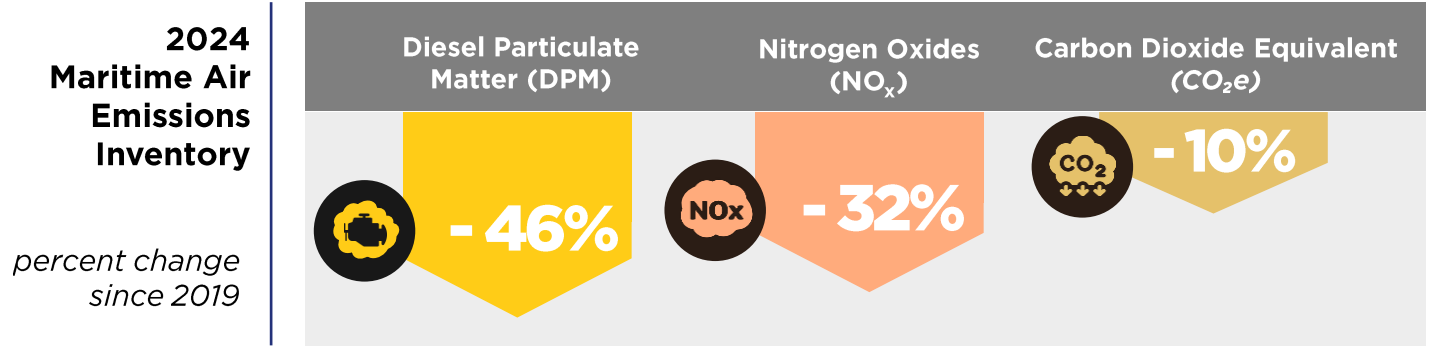
Awards

- Green Port Award at the Green World Awards presented at the Breakbulk Europe Conference in May 2025
- Project of the Year Award in the Utilities category from the American Public Works Association in May 2025
- Lighthouse Award from the American Association of Port Authorities in November 2024
- Technology for Transportation Award from WTS San Diego County in October 2024
- Two awards for the Portside Community Academy from the San Diego Press Club and the Public Relations Society of America in October 2024

By the Numbers



Overall Emissions



137% increase in use of electric cargo handling equipment has helped decrease diesel particulate matter emissions since 2019



85% of vessel calls at the Cruise Ship Terminals connected to Shore Power during the 2024 calendar year



77% of vessel calls participated in the Port's Vessel Speed Reduction Program, 40 nautical miles seaward from Point Loma, from July 2024 through June 2025



52% reduction in electricity costs from the use of Tenth Avenue Marine Terminal's Microgrid System from July 2024 through June 2025



32% reduction in diesel particulate matter emissions from assist tug activity serving the two marine cargo terminals due to operation of Crowley's all-electric tugboat in 2024