The Maritime Clean Air Strategy (MCAS) is a strategic planning document the Port of San Diego Board of Port Commissioners adopted in October 2021 to help the Port 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 near-term goals and objectives to accomplish between 2021 and mid-2026.

### Near-term Goals and Objectives

The MCAS contains near-term objectives to advance emission reduction and community enrichment along San Diego’s working waterfront.

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**Health**

Distribute air filters to nearby residents

The Board of Port Commissioners approved an agreement in October 2021 to contribute $103,000 to install over 500 air purifiers with indoor air monitoring systems in the homes of eligible residents.

**Port-owned Fleet**

Identify power needs and apply to SDG&E program

The Port has identified power needs and applied to SDG&E’s "Power Your Drive" program to transition Port of San Diego General Services department work vehicles to zero emission technologies.

**Shipyards**

Collaborate with local air district as it considers stationary source rules

The San Diego Air Pollution Control District updated Rule 1210 in November 2021, lowering the cancer risk reduction threshold for stationary sources from 100 in one million to 10 in one million.

**Ocean-going vessels**

Vessel Speed Reduction with upwards of 90% compliance

In November 2021, the Board of Port Commissioners adopted an enhanced Vessel Speed Reduction Program to help lower emissions of ocean-going vessels while in transit through the San Diego Bay.

**NEW FUNDING SECURED**

$23.3 million allocated for electrification, including but not limited to:

- Electric cranes at Tenth Avenue Marine Terminal
- Electrical improvements and substation at Tenth Avenue Marine Terminal
- Shore power system at National City Marine Terminal
- Funding support for electric vehicles, trucks, and equipment at the marine terminals
Maritime Clean Air Strategy

IN PROGRESS
Projects, plans and investments underway with significant near-term milestones.

- **CHULA VISTA**
  - Port-owned Vehicle Fleet
    - Authorized purchase of 16 electric vehicles to replace gas or diesel-powered vehicles

- **National City**
  - Tenth Avenue Marine Terminal
  - National City Marine Terminal
  - First All-Electric Mobile Harbor Cranes in North America
    - Operate at cargo terminal

- **SAN DIEGO**
  - B Street Cruise Ship Terminal
  - Urban Greening
    - Plant 20 new trees at Cesar Chavez Park

- **SAN DIEGO BAY**
  - Shore Power
    - Install additional shore power capabilities
  - First All-Electric Tug in United States
    - Deploy on San Diego Bay

- **NATIONAL CITY**
  - Heavy Duty Zero-Emission (ZE) Truck Transition Plan
    - Prepare pathways to attain 40% ZE truck trips by 2026 and 100% ZE truck trips by 2030
  - Port-owned Vehicle Fleet
    - Authorized purchase of 16 electric vehicles to replace gas or diesel-powered vehicles

- **CORONADO**
  - First All-Electric Mobile Harbor Cranes in North America
  - Operate at cargo terminal

- **URBAN GREENING**
  - Plant 20 new trees at Cesar Chavez Park

- **SHORE POWER**
  - Install additional shore power capabilities
  - Install at least two plugs or alternative technology

- **FIRST ALL-ELECTRIC MOBILE HARBOR CRANES IN NORTH AMERICA**
  - Operate at cargo terminal

- **FIRST ALL-ELECTRIC TUG IN UNITED STATES**
  - Deploy on San Diego Bay

- **HEAVY DUTY ZERO-EMISSION (ZE) TRUCK TRANSITION PLAN**
  - Prepare pathways to attain 40% ZE truck trips by 2026 and 100% ZE truck trips by 2030

- **PORT-OWNED VEHICLE FLEET**
  - Authorized purchase of 16 electric vehicles to replace gas or diesel-powered vehicles
Health

Estimate health outcomes associated with emission reduction projects

- The Port’s Preliminary Health Risk Assessment was presented to the Board in December 2021, a first-of-its kind study to estimate health risks associated with the Port’s two cargo marine terminals and ferry operations
- Collaboration between the Port, the San Diego Air Pollution Control District, and the California Air Resources Board to prepare the Cumulative Health Risk Assessment for the AB 617 Portside Community

Enabling Programs and Partnerships

Conduct additional research and form new partnerships to help implement emission reduction initiatives and projects

- The Port has created a clearinghouse process and is working to develop public-facing tools to report and visualize MCAS implementation
- The Port has retained a consultant to help prepare the market study/feasibility analysis and will present the study’s findings at an upcoming Board meeting
- Port staff continues to explore various credential programs for the installation and maintenance of electric vehicle servicing equipment

Community

Facilitate meaningful and frequent public engagement

- On January 18, 2022, the AB 617 CERP / MCAS Implementation Subcommittee was established to provide input on emission reduction initiatives and promote continued public involvement and transparency
- Throughout 2022, Port staff will continue to provide emission reduction project updates at a variety of public forums

Maritime Clean Air Strategy - Health Equity for All

To read the MCAS or sign up to receive updates, please visit: portofsandiego.org/mcas