Maritime Clean Air Strategy
First Year Highlights and a Look Ahead

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 be accomplished by 2026 and long-term goals for 2030.

Near-term Goals and Objectives

- **Public Health**
- **Community Enrichment**
- **Cargo Handling Equipment**
- **Shipyards**
- **Ocean-Going Vessels**
- **Shipyard**
- **Heavy Duty Trucks**
- **Enabling Programs and Partnerships**

**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**

- **Transition work vehicles to zero emission**
  - The Port identified power needs and applied to SDG&E’s “Power Your Drive” program and has since procured 16 electric work vehicles in 2022.

**Shipyard**

- **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.

**Heavy-Duty Trucks**

- **Heavy-Duty Zero Emission Truck Transition Plan**
  - The Heavy-Duty Zero Emission Truck Transition Plan has been completed and was presented to the Board of Port Commissioners in June 2022.

**New Funding Secured**

Over $25 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

**Enabling Programs and Partnerships**

- **Foster private/public partnerships to advance deployment of zero-emission technologies**
  - Partnership agreement with Clean Air Engineering - Maritime, Inc. to design, build, and operate a barge-based emissions control and capture system (i.e., Bonnet) for vessels at berth
  - In April 2022, Dole Produce (Tenant at Tenth Avenue Marine Terminal) procured five new zero-emission yard trucks
  - Partnering with Crowley Marine Services in the design, development and deployment of North America’s first zero-emission electric tugboat and associated landside charging infrastructure

**Community**

- **Facilitate meaningful and frequent public engagement**
  - Over 30 presentations on various MCAS initiatives for community input since October 2021
  - Port staff is committed to transparency and community engagement to deliver supported emissions reducing projects and programs

Maritime Clean Air Strategy - Health Equity for All

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

*Last updated in September 2022*
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PORT AND TENANTS
Projects, plans and investments underway with significant near-term milestones.

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