2021-2024 PORTSIDE CERP ACCOMPLISHMENTS BY ACTION

Action A1: Incident Response Plan

- SDAPCD, Air Quality Incident Response Plan

Action A2: Develop and Implement a Public Participation Plan

- SDAPCD, Public Participation Plan (PPP)
- Development of a Participatory Budgeting Framework

Action A3: Develop Plan to Quantify and Prioritize the Community Health Risks from Air Pollutants

- CARB has developed a model to quantify and prioritize cancer risk from air pollutants.

Action A4: Establish an Office of Environmental Justice within the APCD

- SDAPCD established the Office of Environmental Justice (OEJ) and developed an OEJ framework.
- Integrated environmental justice principles and practices into two agency operations: CEQA guidelines and Rule Development analysis process.
- OEJ secured a $1 million grant from the EPA to launch the Environmental Justice Partnership program to expand its efforts to work with EJ communities region-wide.

Action B1: Create Additional Flexibility for Mobile Source Incentives

- $608,560 of AB 617 Incentive funds have been used for an electric truck pilot project in Portside
- In 2024, SDAPCD funded 9 zero emission trucks for companies operating in the Portside area with $1,777,918 in AB617 incentive funding.

Action B2: Reduce Emissions from Passenger Vehicles

- Clean Cars 4 All currently open to eligible residents.

Action B3: Reduce Exposure to Air Pollution

- 550 air monitors and air purifiers (investment of $803,000 from the Port) were installed in homes throughout the Portside community.

Action B4: Incentives Outreach

- SDAPCD has formalized a participatory budgeting process that prioritizes sectors/types of projects to conduct outreach and for the CSC to be able to inform AB 617 Incentive funding decisions.

Action C1: Evaluate Rule 1206 to potentially regulate residential structures between 1-4 dwelling units

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Action C2: Evaluate District Rule 1210 to Potentially Reduce Health Risks

- SDAPCD adopted amendments to Rule 1210 on Nov 4, 2021 to lower the cancer risk reduction threshold from 100 in one million down to 10 in one million.

Action C3: Evaluating Existing Rules and Considering New Rules

- SDAPCD adopted amendments to R61.2 and R67.0.1 on 2/10/21 to reduce VOC emissions from transfer to mobile transport trucks and architectural coatings.

Action C4: Propose the amendment of District Rule 1401

- SDAPCD adopted amendments to Rule 1401 on 10/14/21. The amendment lowered the threshold at which facilities must apply for and obtain a Title V permit

Action D1: Propose the Development of a Supplemental Environmental Project (SEP) Program within the Violation Settlement Program

- SDAPCD established a Supplemental Environmental Project (SEP) Program to use part of violation fines to fund projects that benefit the community

2021-2024 PORTSIDE CERP ACCOMPLISHMENTS BY ACTION

Action D2: Evaluate the Feasibility of Expanding Mobile Source Enforcement Program

- SDAPCD has implemented the expansion of the CARB/SDAPCD Mobile Source MOU to include Commercial Harbor Craft, and have begun conducting inspections

Action D3: Evaluate the Current Air Quality Complaint Process

- The air quality complaint process has been evaluated and process and tools have been updated (SDAPCD Air Quality Complaints mobile app)

Action D4: Increase APCD Presence in Portside Community

- SDAPCD has doubled the number of idling inspections in the Portside Community by conducting vehicle idling sweeps in the area twice a week.

Action D5: Evaluate the Feasibility of Utilizing Portable Emission Analyzers to Verify Compliance

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Action D6: Promote enforcement of existing air quality rules and regulations pertaining to mobile sources

- SDAPCD has doubled the number of idling inspections in the Portside Community by conducting vehicle idling sweeps in the area twice a week
- Nine “no idling” signs were installed to prevent idling in the Portside community
- (Coming Soon) CARB and the District are coordinating to identify, deliver and install No-Idling signs for school sites (40) and streets (10) where the CSC and community members have expressed concern

Action E1: Advance the deployment of heavy-duty on-road electric trucks to demonstrate operational feasibility and reduce emissions within the Portside Community and other disadvantaged communities

- In 2023, the Board of Port Commissioners authorized $400,000 from the Maritime Industrial Impact Fund (MIIF) to go towards the National City Free Ride Around National City (FRANC) Program, which will supplement the up to $1,500,000 “Mobility Project Voucher” that the City has received from the California Air Resources Board (CARB) through the Clean Mobility Options program.
- Port of San Diego, Heavy-Duty Zero Emission Truck Transition Plan
- SANDAG, San Diego Regional Medium- and Heavy-Duty Zero-Emission Vehicle Blueprint
- Caltrans District 11, Truck Parking and MD/HD Truck Charging Feasibility Study
- SANDAG, Regional EV Charger Management Strategy
- SANDAG, White paper on the Zero Emission Freight Transition at the California-Baja California Border
- City of San Diego, 2022 Climate Action Plan update includes action for Increase Electric Vehicle Adoption and targets for an increase Municipal Fleet of Zero Emissions Vehicles
- (Coming Soon) Zero-Emission Truck Hub in National City (Skychargers LLC selected)
- City of San Diego Fleet Operations purchased two (2) BEAM EV Arc units and piloted a program utilizing eight (8) Chevy Bolts to analyze the performance of these units. In 2023, they purchased 4 more EV Arc Units.
- In June 2023, the Port entered a Memorandum of Agreement (MOA) with Caltrans District 11 to memorialize our agencies’ shared commitment to work cooperatively toward the mutual goal and shared vision of developing sustainable transportation and freight projects to support the San Diego region and Port operations.
- Direct outreach to truckers.
- SDG&E’s Power Your Drive for Fleets program, continue to support make-ready EV charging infrastructure for Medium/Heavy Duty fleets.
- In 2023, the City of San Diego hired a Program Manager to its Fleet Operations to oversee the process to electrify the City operation yards and infrastructure to support an electrified fleet.
- In 2023, the Board of Port Commissioners authorized $400,000 from the Maritime Industrial Impact Fund (MIIF) to go towards the National City Free Ride Around National City (FRANC) Program, which will supplement the up to $1,500,000 “Mobility Project Voucher” that the City has

received from the California Air Resources Board (CARB) through the Clean Mobility Options program.

Action E2: Fair Outcome for Small Truck Owners

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Action E3: Support dedicated truck route and avoid truck impacts to local community

- City of San Diego mapped and adopted designated truck routes in Barrio Logan.
- SANDAG, San Diego and Imperial Counties Sustainable Freight Implementation Strategy.
- Port District continues to support Designated Truck Routes through Coastal Development Permits, called out as Special Conditions in lease agreements, signage, and a Port of San Diego Hotline for concerns related to truck routes and excessive noise is maintained and monitored.

Action E4: Increase number of truck parking and staging facilities with electric charging capabilities to address regional parking needs and alleviate the truck parking burdens within the Portside Community.

- Citing criteria in the San Diego Regional MD/HD ZEV Blueprint.
- Caltrans' Truck Parking and ZEV Medium-Duty/Heavy-Duty Charging Stations feasibility study.
- SANDAG's San Diego and Imperial Counties Sustainable Freight Implementation Strategy.
- Caltrans' District 11 Truck Parking and MD/HD Truck Charging Feasibility Study.

Action E5: Ensure fair outcomes for truck drivers

Action F1: Support land uses that serve as a buffer between industrial and residential uses in the Portside Community

- Port of San Diego, Port Master Plan Update (PMPU) contains a first ever Environmental Justice Element.

Action F2: Reduce exposures for sensitive receptors within 500 feet of Port, freeways, and industries

- Boston Avenue (29^{th} – 32^{nd} street) Linear Park: Removed contaminated soil and replaced it with clean soil. The project is adding and improving the following features: pedestrian/bike path, a privacy wall that has reduced sound pollution to the abutting community, and existing street lighting is being replaced and additional lighting is added for safety (coming soon).

Action F3: Urban Greening

- Port of San Diego, Port Master Plan Update (PMPU) (2024) contains goals and policies aimed at greening the urban environment with particular attention to disadvantaged communities.
- In 2022, the Port of San Diego planted 20 new trees at Cesar Chavez Park, on tidelands and in 2024 they planted 27 new trees in Embarcadero Marina Park North along the San Diego Bay waterfront.
- In 2024, the City of San Diego planted 901 trees in the Portside Area (Barrio Logan, Logan Heights, Sherman Heights, Grant Hill and Stockton).

Action F4: Public school exposure reduction

- From 2021-2023, $2,971,044 in AB 617 incentives funds have been invested in ZEV buses and charging Infrastructure in the Portside communities.

Action F5: Support Harbor Drive Multimodal Corridor Study (HCMCS) Land Use Proposals

- SANDAG Harbor Drive 2.0 is included in the 2021 Regional Plan with project ID GM06 to be built by 2035. Additional Harbor Drive Multimodal Corridor Improvements are included in project ID GM05 to be built by 2050.
- In June 2023, the California Transportation Commission announced that the Harbor Drive 2.0 project had received $18.5M in grant funding from the Trade Corridor Enhancement Program

(TCEP) program to fund the project design and rights-of-way. The award required a $2,185,714 match that was funded by the Port at the February 2024 Board Hearing.
- In 2024, SANDAG and Caltrans were awarded $11 million for Right-of-Way through the Reconnecting Communities and Neighborhood grant programs for the Harbor Dr 2.0 Port Access Improvements project.

Action F6: Neighborhood Resiliency & Housing Stability
- SANDAG (2023), Equity Action Plan and Social Equity Analysis appendix in the final 2025 Regional Transportation Improvement Program (RTIP), which will steer the agency forward in addressing past planning practices that divided and marginalized communities.
- SANDAG Board of Directors passed a resolution directs its staff to consider the following when preparing the draft 2025 Regional Plan: (1) Prioritize the goal of "Healthy communities and environment for everyone" through the reductions of harmful air pollutants from on-road transportation through programs, policies and pilot projects in the census tracks identified with Diesel PM scores in the 75th percentile or higher per the current CalEnviroScreen maps and data.

Action F7: Improve Transportation Efficiencies
- Port of San Diego, Port Master Plan Update (PMPU) (2024) contains goals and policies aimed at greening the urban environment with particular attention to disadvantaged communities.
- City of San Diego, Barrio Logan Community Plan Update includes Class I multi-use path as a planned facility in the Barrio Logan and Main Street Class IV Cycle Tracks is a planned bikeway.
- The Clean California program Boston Ave Community Improvements Project completed construction in fall 2023. The Project repurposed four acres of land along Interstate 5 between 29th St and 32nd St and added a bike trail and walking path.
- In 2023, the Board of Port Commissioners authorized $400,000 from the Maritime Industrial Impact Fund (MIIF) to go towards the National City Free Ride Around National City (FRANC) Program, which will supplement the up to $1,500,000 "Mobility Project Voucher" that the City has received from the California Air Resources Board (CARB) through the Clean Mobility Options program.
- Reconfiguration of WB 8th St to allow 3 through lanes Naval Base Gate 9 (8th St). In 2023, the City received a $2,000,000 for the ATP-Cycle state funding for construction.
- Dual EB left turn lanes to increase capacity for traffic from nearby I-5 SB offramp. In 2023, the City received a notification from Caltrans that the City received $2,580,000 for the ATP-Cycle state funding to fund the project.
- Class II bike lanes connecting Harbor Dr, 8th St Trolley/Bus Station and National City communities. Pedestrian upgrades including rail crossing gates and curb ramps. Wayfinding facilities. The City received $5,185,000 for the ATP state funding for construction.

Action F8: Truck Diversion
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Action G1: Reduce Diesel Emissions from cargo handling equipment (CHE)
- Replaced diesel equipment located at the Tenth Avenue marine Terminal with (SDAPCD funded $2,723,000 with AB617 incentives funds for infrastructure for cranes and 4 electric forklifts for Marine Group boatworks for $214,882):
    - Two all-electric mobile harbor cranes ($14M for the cranes and $8.9M to upgrade to electrical infrastructure to operate and charge the cranes, totaling nearly a $23M)
    - Seven electric 'Yard Trucks'
    - Two electric Heavy Lift (forklift)
    - Four electric forklifts
    - Two electric reach-stackers.

Action G2: Reduce Emissions from Ships at Berth

- (Coming Soon) In 2023, the Port Commissioners approved $7.1M for final design and construction of a Phase 1 shore power system at the National City Marine Terminal for ocean-going vessel cold ironing operations.
- In 2024 the Board of Port Commissioners awarded a construction contract for a new shore power outlet at the Cruise Ship Terminal in the amount of $463,500. (Additional shore power outlet coming soon.)
- Two Ocean Going Vessel shore power systems are being pursued at National City Marine Terminal (NCMT), with Phase 1 currently under construction. (Coming soon in 2025)
- In 2023, a second shore power system for Cruise Ships was installed and became operational (first one was installed in 2010) at the Port's B Street Pier, which allows two cruise ships to be plugged into grid power simultaneously.
- 90% compliance with the Port's Vessel Speed Reduction (VSR) voluntary Program which reduces air pollutants and greenhouse gas emissions from vessels calling to the Port by reducing speeds in the vicinity of San Diego Bay.

Action G3: Reduce emissions from harbor craft

- In 2024, deployment of North Americas first ZE electric tugboat (Crowley eWolf) and associated landside charging infrastructure, which displaces 30,000 gallons of diesel fuel annually. SDAPCD provided $8,002,785 in AB617 incentives, with an additional $2 million in DERA funding through the Air District.
- Historically, SDAPCD has funded $1,804,996 for several cleaner diesel harbor craft projects, including C&W Diving ($122,500), Pacific Dredge ($122,086), Pacific Tugboat ($1,477,970), and RE Staite ($82,440).

Action G4: Reduce DPM and NOx emissions from portable air compressors and other diesel sources at shipyards

- In 2024, NASSCO acquired and put into service its 3 electric buses and 1 electric semi-truck, which were purchased as part of the Zero-Emission Truck Pilot Project with the San Diego APCD.
- In 2023, NASSCO replaced the engine of two cranes, Crane 10 and 11.
- NASSCO replaced its older diesel engines on two gantry cranes with new Tier 4 Final versions.
- In 2023, BAE Systems SDSR acquired an electric 22-ton forklift to replace its diesel counterpart and an all-electric 2023 Peterbilt semi-truck and CMSD reduced their fleet DPM emissions by retiring multiple Tier 0 diesel forklifts and cranes.
- CMSD and BAE Systems SDSR retained the services of "Smash My Trash", a trash compaction service that reduces the volume of trash inside waste receptacles within the shipyards resulting fewer truck miles driven in the Portside community from Republic Services.
- BAE reduced their DPM emissions with the use of robotic skimmers that collect floating trash and debris in the Bay. The skimmers reduce the need to collect the trash and debris by diesel boats.
- In 2024, BAE Systems put into service one electric semi-truck.
- BAE Systems has purchased 2 new electric security vessels. (Coming soon-- between Q4 2024 and Q1 2025)
- In 2024, BAE Systems disposed of six older forklifts from its offroad fleet. (Coming soon-Electric Forlkifts replacements)
- In 2024, Continental Maritime (CMSD) purchased an electric flat-bed truck and associated charging infrastructure. (Coming soon--between Q4 2024 and Q1 2025)
- In 2024, CMSD disposed of a combination of 7 on/off-road vehicles, including 4 forklifts, a bus, boom truck, and off-road crane.

Action G5: Promote best practices for reducing diesel, VOC and other emissions from ship repair activities

- Executive Orders (EO) 14008 and 14057 that directed federal non-tactical vehicle fleets transition to zero-emission fleets has led to emissions reduction via procuring electric vehicles for government fleet, ultimately supporting ship operations and the bases' overall mission. This reduced fuel consumption by 10% since 2020, representing a reduction in CO2 emissions of 178 metric tons.

- The Navy provides annual Marine Coating training to sailors and contractors to promote best practices for reducing VOC emissions.
- Navy Contractors working on ships pier side must complete specific air quality training, provide certificates of training completion for their primary and alternate company representatives, submit Safety Data Sheets for all procured materials that show regulatory compliance, and specify the work planned.
- In 2024, the shipyards, through the San Diego Ship Repair Association (SDSRA) held multiple trainings for subcontractors working within the Portside area with 3 centered specifically on air compliance measures to support the CERP.

Action G6: Reduce emissions from shipyard employee transportation

- The shipyards promote a number of transportation alternatives to commute to and from their facilities (i.e., vanpool, transit, bike, walk, etc.). In collaboration with SANDAG, NASSCO conducted a survey of its employees to determine the effectiveness of its alternative commuting options on single occupant drivers. The result of the survey indicated that single-occupancy vehicle (SOV) ridership dropped from 69%, as surveyed in 2022, to 65% in 2024.

Action G7: Promote adoption of ZE technologies by Port tenants, truckers, and other users of equipment

- The Navy has committed to more than $20 million dollars in EV infrastructure upgrades at Navy Base San Diego (NBSD) and has installed 350 chargers across NBSD that have the potential to reduce CO2 emissions by 1,600 metric tons per year.
- Development of a micro grid project that provides 300KW of renewable on-site generation at Navy Base San Diego (NBSD) and 1MW/8MWH of battery storage.
- Purchase and deploy battery-electric zero-emissions equipment, vehicles, and charging infrastructure, including 32 pieces of cargo handling equipment, 20 medium-duty stevedore shuttle vans, and 25 heavy-duty trucks.
- Port District's ZE vehicle fleet:
    - Twelve (12) Ford F150 Lightning truck
    - Two (2) Lordstown Endurance trucks
    - Four (4) Ford e-Transit 350 work vans
    - Eight (8) Tesla Model Ys

Action G8: Reducing emissions associated with traffic at Naval Base San Diego

- The Navy has committed to more than $20 million dollars in EV infrastructure upgrades at Navy Base San Diego (NBSD) and has installed 350 chargers across NBSD that have the potential to reduce CO2 emissions by 1,600 metric tons per year.
- In partnership with the California Energy Commission (CEC), Naval Base San Diego (NBSD) installed 14 dual-use EV chargers to support the Navy Electric Vehicle Pilot Program.
- The Navy supports a Transportation Incentive Program (TIP) and iCommute program and requires sailors who reside at NBSD to use the base shuttle service (3 different routes, increased bus stops, and extended morning and afternoon hours). The shuttles are available to anyone with base access including military, civilian, and contractor personnel; they span the entire wet side of the base, with 15 stopping points. The Navy continues to implement and support the e-bike program to further alleviate traffic and pollution.

Action H1: Support Emission Reductions Opportunities

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