

AIR QUALITY REPORT CARD 2022

SAN PEDRO BAY STANDARDS

The San Pedro Bay Standards establish the long-term emissions-reduction and health risk-reduction goals for the ports of Los Angeles and Long Beach. Emission Reduction Standards for DPM, NOx, and SOx have target years of 2014 and 2023 to support state ambient air quality goals. The Health Risk Reduction Standard has a target year of 2020 to align with California Air Resources Board's Goods Movement Emission Reduction Plan.

CLEAN AIR ACTION PLAN (CAAP) GOALS

	2014	2023
DPM	72%	77%
NOx	22%	59%
SOx	93%	93%
	2020	
Health Risk	85%	



All reductions shown are compared to 2005 baseline levels.

OVERALL EMISSIONS REDUCTIONS

Pollutant	%	Tons
DPM	88%	732
PM2.5	87%	738
PM10	88%	868
NOx	62%	9,570
SOx	97%	4,703



EMISSIONS REDUCTIONS PER 10,000 TEU HANDLED

Pollutant	%	Tons
DPM	91%	1.009
PM2.5	90%	1.024
PM10	91%	1.2
NOx	72%	14.67
SOx	98%	6.32



OCEAN-GOING VESSEL EMISSIONS REDUCTIONS

Pollutant	%	tons
DPM	90%	406
PM2.5	88%	429
PM10	89%	543
NOx	35%	1,791
SOx	97%	4,554



HEAVY-DUTY VEHICLE/CLEAN TRUCK EMISSIONS REDUCTIONS

Pollutant	%	tons
DPM	98%	243
PM2.5	98%	233
PM10	98%	243
NO _x	88%	5,551
SO _x	91%	41



HARBOR CRAFT EMISSIONS REDUCTIONS

Pollutant	%	tons
DPM	60%	20
PM2.5	60%	19
PM10	60%	20
NO _x	29%	208
SO _x	88%	4



RAIL EMISSIONS REDUCTIONS

Pollutant	%	tons
DPM	54%	31
PM2.5	54%	29
PM10	54%	31
NO _x	58%	995
SO _x	99%	97



CARGO HANDLING EQUIPMENT EMISSIONS REDUCTIONS

Pollutant	%	tons
DPM	74%	32
PM2.5	72%	29
PM10	72%	32
NO _x	71%	1,024
SO _x	80%	7



CO₂ EQUIVALENT CHANGES BY SOURCE TYPE

Pollutant	%	tons	
Ocean-Going Vessels	3%	9,617	▼
Harbor Craft	13%	5,815	▲
Cargo Handling Equip.	27%	36,004	▲
Rail	26%	21,056	▼
Heavy-Duty Vehicles	12%	54,634	▼



PRIMARY POLLUTANTS DEFINED:

DPM = Diesel Particulate Matter

NO_x = Oxides of Nitrogen

SO_x = Oxides of Sulfur

PM_{2.5} = Particulate Matter less than 2.5 microns in diameter

PM₁₀ = Particulate Matter less than 10 microns in diameter

CO₂ = Carbon Dioxide (A greenhouse gas contributor)