THE PORT OF LOS ANGELES

Air Quality Report Card 2005-2010

PRIMARY POLLUTANTS DEFINED

DPM = Diesel Particulate Matter
NOx = Oxides of Nitrogen
SOx = Oxides of Sulfur
$PM_{2.5}$ = Particulate Matter less than 2.5 microns in diameter
PM_{10} = Particulate Matter less than 10 microns in diameter
CO_2 = Carbon Dioxide (A Green House Gas contributor)

OVERALL EMISSIONS REDUCTIONS CY 2005-2010

Pollutant	CY 2005-2010 %	CY 2005-2010 tons
DPM	69%	617
$PM_{2.5}$	70%	579
PM_{10}	69%	678
NOx	50%	8,180
SOx	75%	3,978

EMISSIONS PER 10,000 TEU HANDLED

Pollutant	CY 2005-2010 %	CY 2005-2010 tons
DPM	71%	0.84
$PM_{2.5}$	71%	0.79
PM_{10}	71%	0.92
NOx	52%	11.42
SOx	76%	5.39

OCEAN-GOING VESSEL EMISSIONS REDUCTIONS

Pollutant	CY 2005-2010 %	CY 2005-2010 tons
DPM	68%	323
$PM_{2.5}$	68%	307
PM_{10}	68%	385
NOx	27%	1,434
SOx	74%	3,831

HEAVY-DUTY VEHICLE/CLEAN TRUCK EMISSIONS REDUCTIONS

Pollutant	CY 2005-2010 %	CY 2005-2010 tons
DPM	89%	229
$PM_{2.5}$	88%	210
PM_{10}	88%	227
NOx	77%	5,030
SOx	91%	44

HARBOR CRAFT EMISSIONS REDUCTIONS

Pollutant	CY 2005-2010 %	CY 2005-2010 tons
DPM	28%	15
$PM_{2.5}$	28%	15
PM_{10}	28%	15
NOx	28%	370
SOx	91%	5

RAIL EMISSIONS REDUCTIONS

Pollutant	CY 2005-2010 %	CY 2005-2010 tons
DPM	47%	27
$PM_{2.5}$	48%	26
PM_{10}	47%	27
NOx	42%	716
SOx	92%	91

CARGO-HANDLING EQUIPMENT EMISSIONS REDUCTIONS

Pollutant	CY 2005-2010 %	CY 2005-2010 tons
DPM	55%	24
$PM_{2.5}$	54%	22
PM_{10}	54%	24
NOx	44%	630
SOx	82%	7

CO_2 EQUIVALENT REDUCTIONS BY SOURCE TYPE

Source Type	CY 2005-2010 %	CY 2005-2010 metric tons
Ocean-Going Vessels	22%	66,086
Harbor Craft	10%	5,586
Cargo Handling Equipment*	- 6%	- 8,514
Rail	25%	20,778
Heavy-Duty Vehicles	23%	112,826
TOTAL		**196,762**

** All percentages reflect a reduction in emissions except cargo handling equipment.*

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 Standard for DPM, NOx, and SOx have target years of 2014 and 2023 to support state ambient air quality goals.
- Health Risk Reduction Standard has a target year of 2020 to align with CARB's Goods Movement Emission Reduction Plan.

Clean Air Action Plan (CAAP) Goals *(% reduction compared to 2005)*	2014	2023
DPM	72%	77%
NOx	22%	59%
SOx	93%	93%

Health Risk Reduction Standard 2020 85%
(% reduction in residential cancer risk compared to 2005)

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