

# Key Performance Indicators

**THE PORT**   
**OF LOS ANGELES**



# The Port of Los Angeles Advantage



- Spending \$1 million a day in capital improvement programs.
- Three major terminal expansion projects approved in 2008 and 2009 with more to come!
- 6,000+ drayage trucks that are model year 2007 or newer for superior reliability and air quality.
- Workforce of 18,000 regular and casual longshore personnel.
- Access to multiple service providers in all parts of the logistics chain.
- Easy access to special handling equipment companies.
- 1,600 acres/647 hectares of container terminal backland.
- 113 miles/182 kilometers of rail on Port property handling more than 100 trains daily.
- 660 million sq. ft./171,000 hectares of warehousing and DC facilities within 80 miles from the Port.
- 53' deep draft waterways to accommodate the world's largest container ships.
- 50+ berths and 71 gantry cranes.



# Port of Los Angeles

By all measurements, the Port of Los Angeles is at the forefront of the international maritime industry. The Port's intense focus on developing state-of-the-art, 21st century facilities to accommodate future cargo growth is complemented by Southern California's second-to-none distribution network and deep pool of shipping and logistics resources. The Port's broad economic impact helps to ensure a strong regional economy that fosters a stable workforce of nearly one million in Southern California, with jobs extending from the docks to nearly every industry sector.

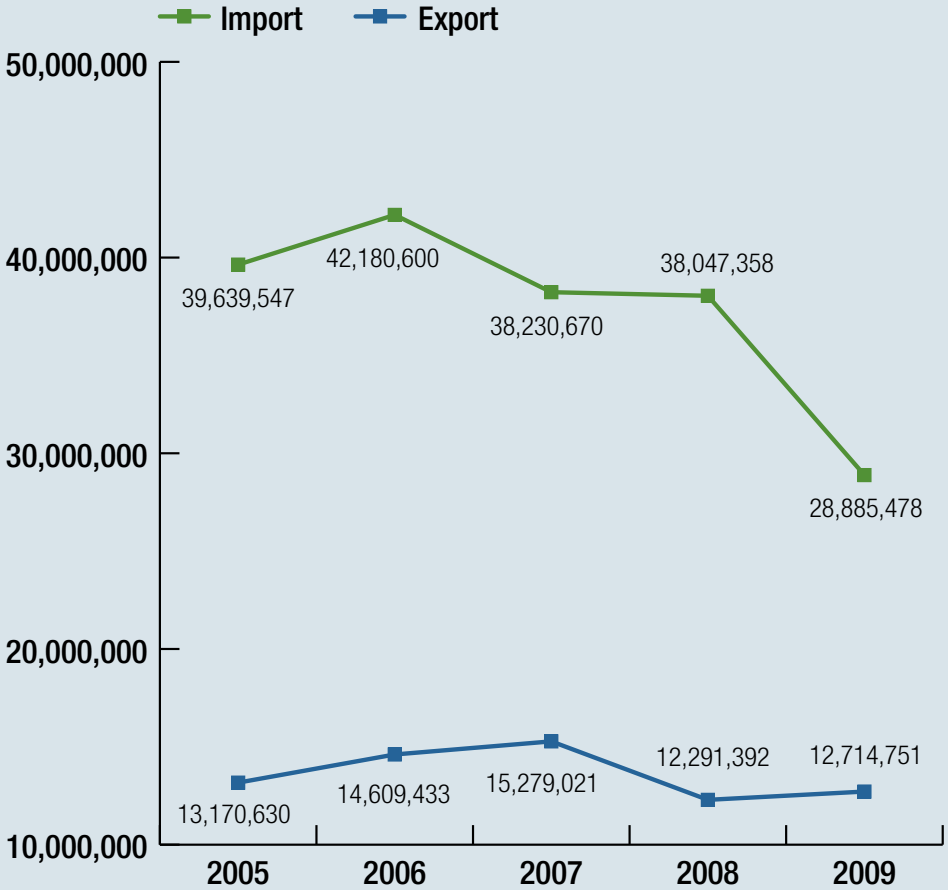
Five-year comparisons of Key Performance Indicators at the Port of Los Angeles reflect the reliability and stability of Southern California's goods movement operations and the diversity of cargoes and services facilitated by the Port of Los Angeles.







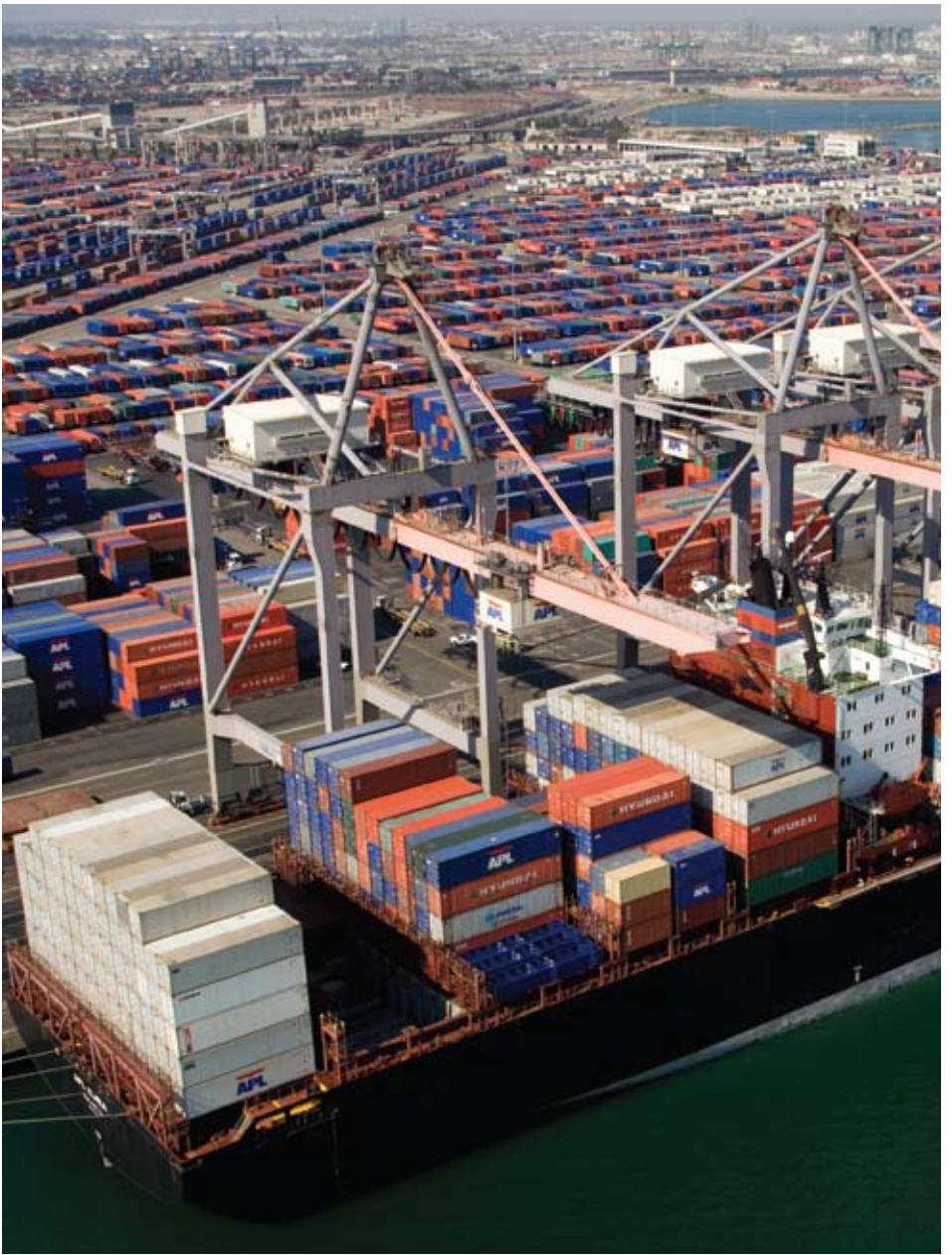
# Total Annual Tonnage



Year	2005	2006	2007	2008	2009
Import	39,639,547	42,180,600	38,230,670	38,047,358	28,885,478
Export	13,170,630	14,609,433	15,279,021	12,291,392	12,714,751
<b>Total</b>	<b>52,810,177</b>	<b>56,790,033</b>	<b>53,509,690</b>	<b>50,338,750</b>	<b>41,600,229</b>
% Change		7.5%	-5.8%	-5.9%	-17.4%

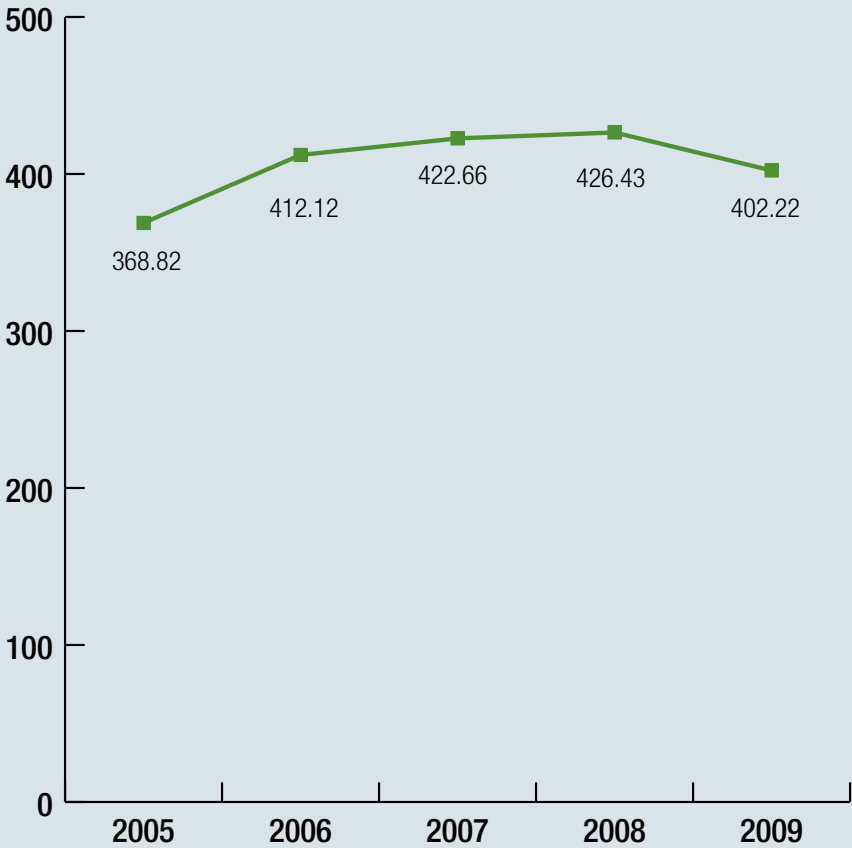
Source: Wharfinger Division





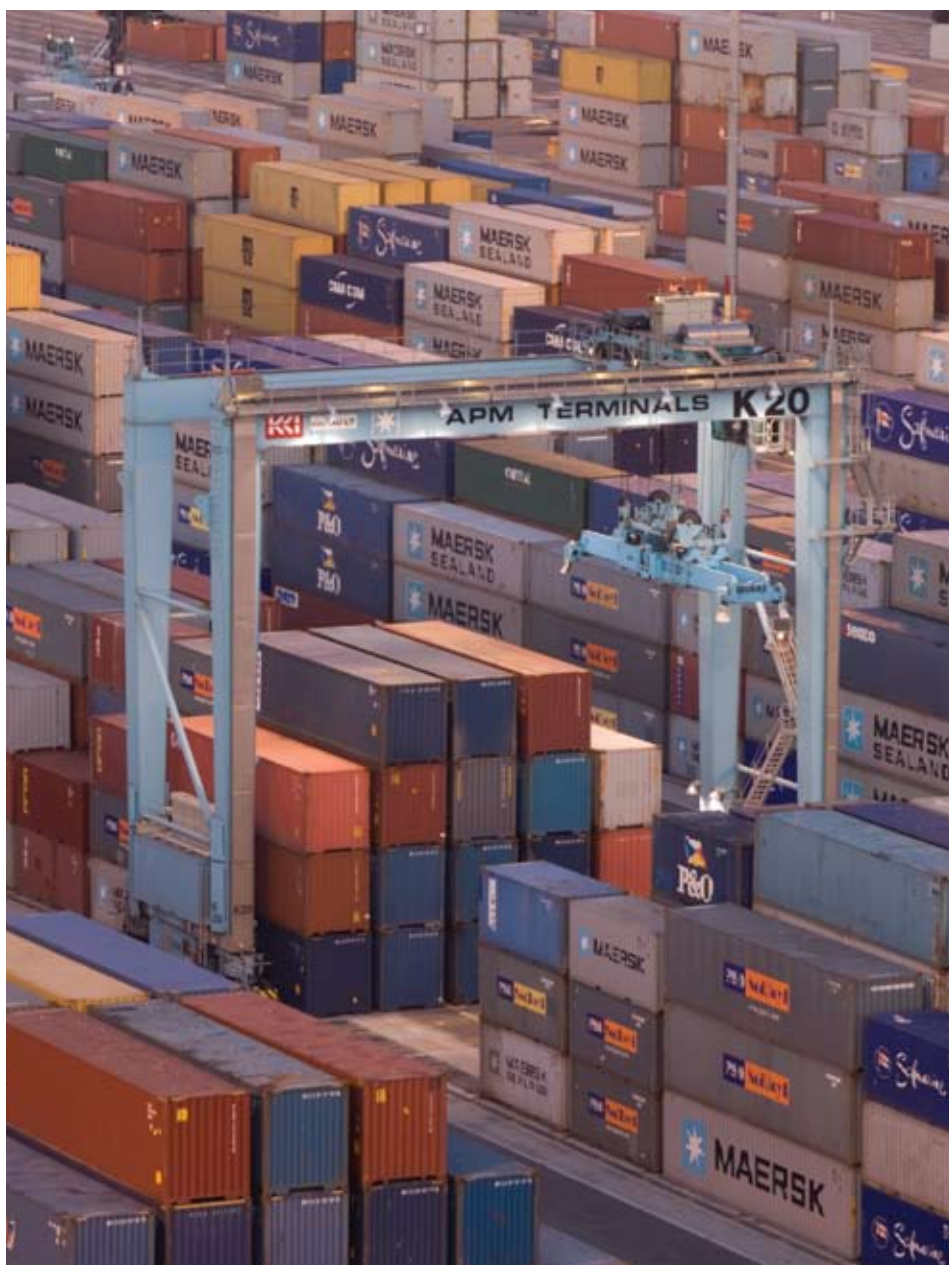


# Annual Gross Revenue



Year	2005	2006	2007	2008	2009
<b>Totals (\$ millions)</b>	<b>369</b>	<b>412</b>	<b>423</b>	<b>426</b>	<b>402</b>
% Change		11.7%	2.6%	0.9%	-5.7%

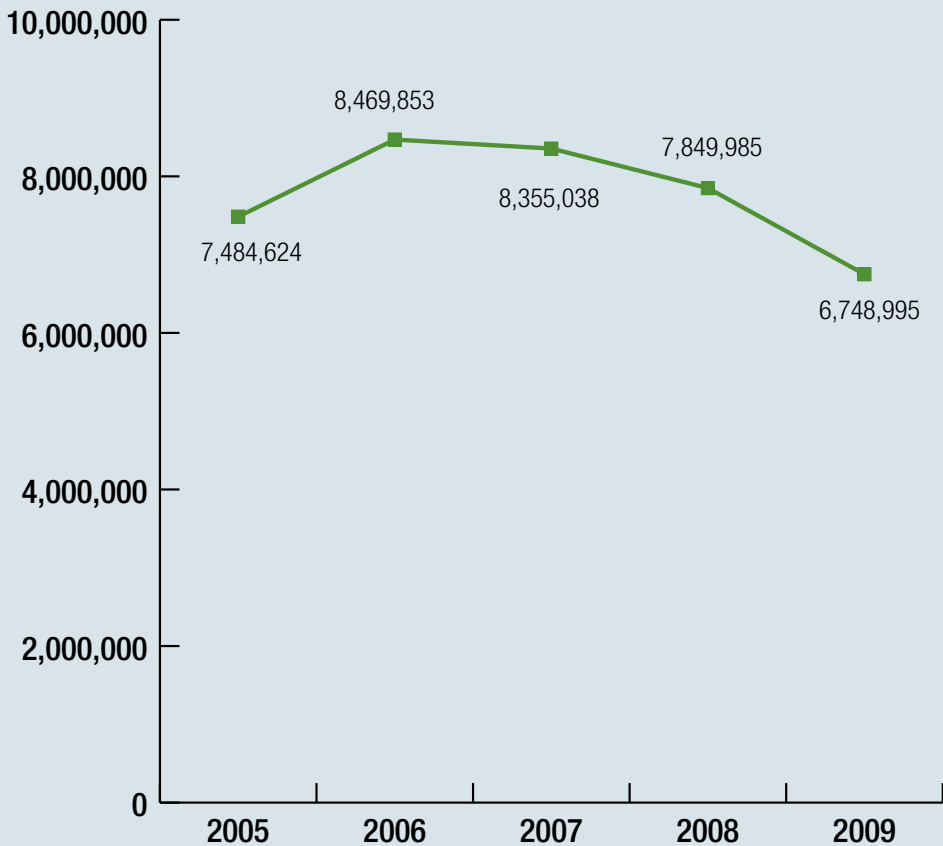
Source: Finance Division







# Annual TEUs\* Total



Year	2005	2006	2007	2008	2009
Totals	7,484,624	8,469,853	8,355,038	7,849,985	6,748,995
% Change		13.20%	-1.40%	-6.00%	-14.00%

\* Twenty-foot equivalent units

# 2009 Value of Trade by Region & Country

## Value of Trade by Region

Region	Cargo Value*	% of Total Trade
Asia	\$180,730	92.4%
Europe	\$6,090	3.1%
Latin	\$4,945	2.5%
Africa	\$588	0.3%
Other Areas	\$3,313	1.7%
<b>Total</b>	<b>\$195,666</b>	<b>100.0%</b>

Source: World Trade Atlas



## Value of Imports by Country-Port of Los Angeles

Rank	Region	Cargo Value*	% of Total Trade
1	China	\$92,482	55%
2	Japan	\$22,290	13%
3	Taiwan	\$7,366	4%
4	Korea, South	\$5,710	3%
5	Thailand	\$5,202	3%
6	Vietnam	\$5,074	3%
7	Indonesia	\$4,530	3%
8	Malaysia	\$4,227	3%
9	Phillipines	\$1,786	1%
10	India	\$1,536	1%
11	Others	\$17,450	10%
	<b>Grand Total</b> <i>(All countries)</i>	<b>\$167,653</b>	<b>100%</b>

Source: World Trade Atlas

## Value of Exports by Country-Port of Los Angeles

Rank	Region	Cargo Value*	% of Total Trade
1	China	\$7,775	28%
2	Japan	\$4,703	17%
3	Singapore	\$2,051	7%
4	Korea, South	\$1,948	7%
5	Taiwan	\$1,888	7%
6	Australia	\$1,447	5%
7	Hong Kong	\$1,378	5%
8	Thailand	\$994	4%
9	Indonesia	\$737	3%
10	Malaysia	\$667	2%
11	Others	\$4,424	16%
	<b>Grand Total</b> <i>(All countries)</i>	<b>\$28,012</b>	<b>100%</b>

Source: World Trade Atlas

\*Millions of US Dollars



# Top 10 Commodities by Trade Directions

## Top 10 Import Commodities and TEU Volumes

Rank	Commodities	TEUs
1	Furniture	370,867
2	Apparel	338,042
3	Auto Parts	246,966
4	Electronic Products	214,713
5	Footwear	139,126
6	Toys And Sporting Goods	128,213
7	Computers And Peripherals	116,191
8	General Cargo	107,334
9	Household Appliances	102,217
10	Plastic Products	89,858

## Top 10 Export Commodities and TEU Volumes

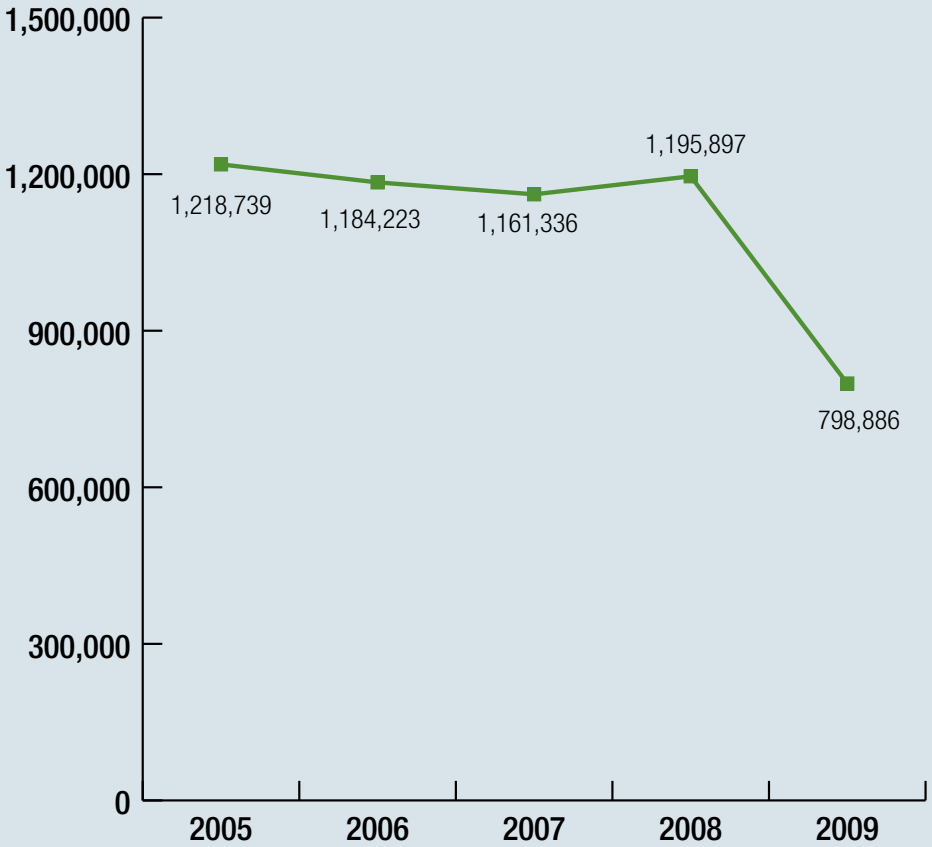
Rank	Commodities	TEUs
1	Paper & Paperboard, Incl Waste Paper	279,867
2	Mixed Metal Scrap	166,497
3	Resins	93,242
4	Grains	89,154
5	Cotton	85,559
6	Animal Feed	78,277
7	Foam Waste & Scrap	55,924
8	Soybean & Products	50,519
9	Automobiles	34,756
10	General Cargo	31,290







# Total Annual Revenue Cruise Passengers\*



Year	2005	2006	2007	2008	2009
<b>Totals</b>	<b>1,218,739</b>	<b>1,184,223</b>	<b>1,161,336</b>	<b>1,195,897</b>	<b>798,886</b>
% Change		-2.80%	-1.90%	3.00%	-33.20%

\* Revenue Cruise Passengers are counted upon embarking and upon disembarking cruise ships.

Source: Wharfinger Division





# Ship Calls

## Total Ship Calls

Vessel type	2005	2006	2007	2008	2009
Container	1508	1651	1601	1472	1472
Tanker	386	420	374	219	220
Passenger	272	263	256	265	162
General Cargo	131	100	103	82	73
Dry Bulk	152	221	132	99	79
Roll-On-Roll-Off ships	71	72	70	78	59
<b>Total</b>	<b>2520</b>	<b>2727</b>	<b>2536</b>	<b>2215</b>	<b>2065</b>

Source: Wharfinger Division

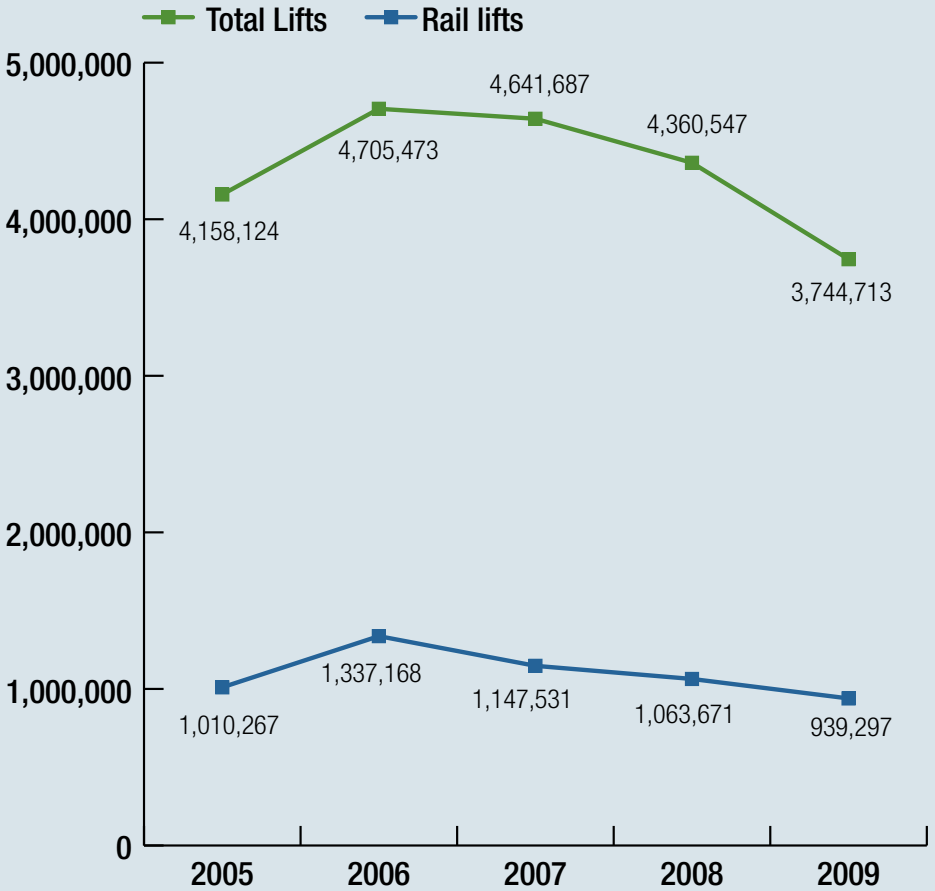








# On-Dock Rail Lifts



Year	2005	2006	2007	2008	2009
Rail lifts	1,010,267	1,337,168	1,147,531	1,063,671	939,297
Total Lifts	4,158,124	4,705,473	4,641,687	4,360,547	3,744,713
Rail lifts in % of Total lifts	24.30%	28.40%	24.70%	24.40%	25.10%

Source: Port Tenants



# Non-Containerized Commodities

## Finished Vehicles in Units

Year	2005	2006	2007	2008	2009
Totals	241,848	245,933	152,259	151,584	106,059
% Change		1.70%	-38.10%	-0.40%	-30.00%

## Break Bulk Commodities in Metric Tons

Year	2005	2006	2007	2008	2009
Break Bulk	2,773,175	4,230,788	2,852,642	2,463,348	1,115,778
% Change		52.60%	-32.60%	-13.60%	-54.70%

## Bulk Commodities in Metric Tons

Year	2005	2006	2007*	2008 <sup>⊕</sup>	2009*
Bulk	2,413,328	2,455,655	1,797,601	637,088	1,076,453
% Change		1.80%	-26.80%	-64.60%	69.00%

\* Some scrap metal has shift from bulk to a containerized commodity

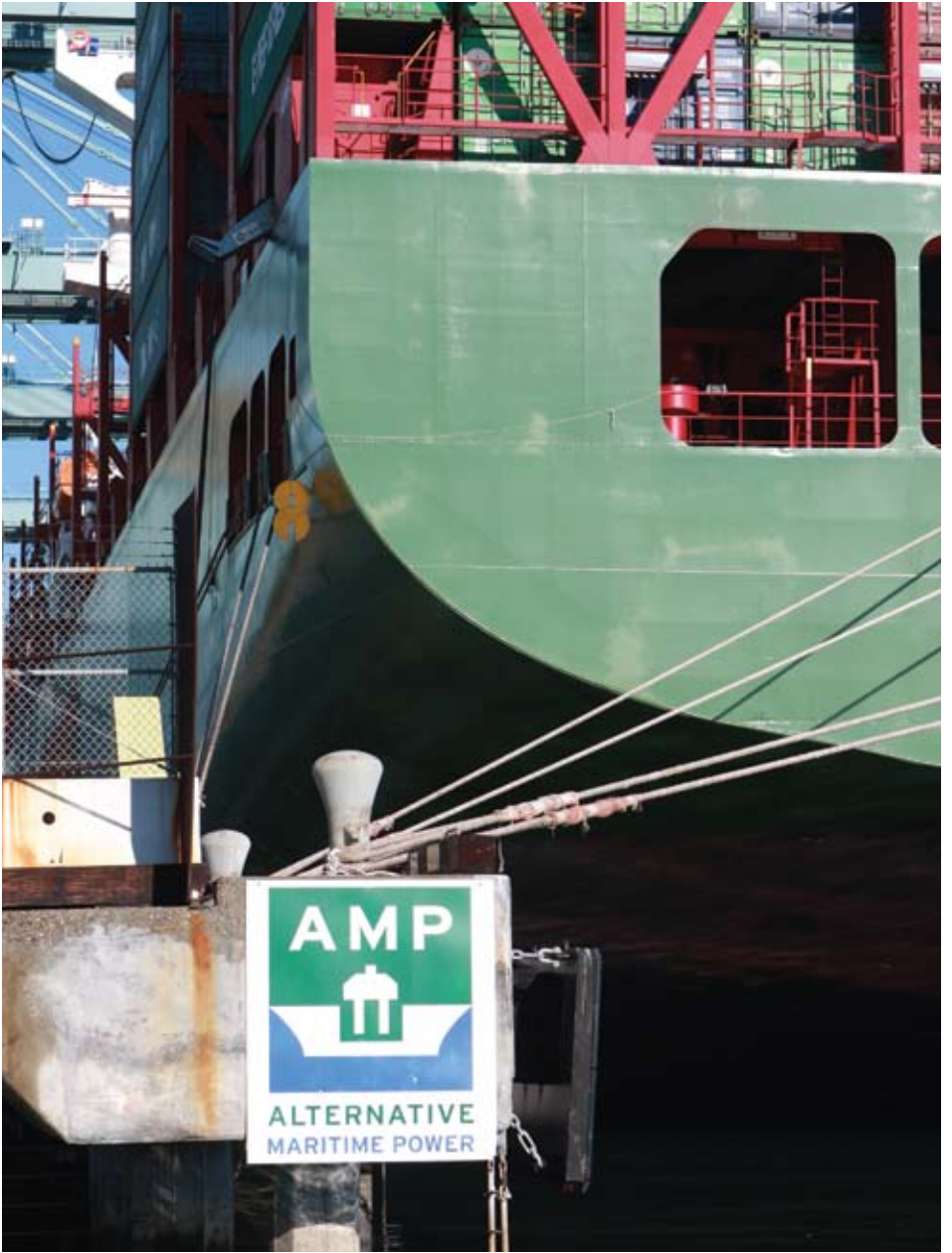
⊕ Some scrap metal has shift from bulk to a containerized commodity and no cement shipments

⊖ Higher percentage scrap metal move in bulk, instead of containerized

## Liquid Bulk Commodities in Metric Tons

Year	2005	2006	2007	2008	2009
Liquid Bulk	16,588,185	20,609,115	15,491,259	10,728,271	11,464,599
% Change		24.2%	-24.8%	-30.7%	6.9%

Source: Wharfinger Division







## Ships Calls Utilizing Alternative Maritime Power (Shore Side Electrical)

Year	2005	2006	2007	2008	2009
Totals	40	36	62	45	56

## Compliance with Voluntary Vessel Speed Reduction\* Program

Year	2005	2006	2007	2008	2009
Totals	70.60%	78.6%	85%	89%	90%

\* Vessels reducing speed to 12 knots, 20 nautical miles from the Port

## 2001 & 2007 Cargo Handling Equipment (CHE) with emission reduction technology.

	2001	2007
Total Cargo Handling Equipment:	1121	2014
Number of CHE on propane, electric or gasoline	133	508
Number of CHE with Diesel Oxidation Catalyst	0	589
Number of CHE with on-road engines	0	281
Number of CHE with emulsified fuel	0	0
Number of CHE with ultra-low sulfur diesel	0	1504

\* Some CHE's have installed multiple emission reduction devices, i.e. Ultra-low sulfur diesel engine and a Diesel Oxidation Catalyst.





# Economic Impact of the San Pedro Bay Ports\*

## Employment (Direct):

- 1.1 million Jobs in California (CY 2008)
- 3.3 million jobs in the U.S. (CY 2008)

## Value of Trade:

- \$47.8 billion in California (CY 2009)
- \$195.7 billion in the U.S. (CY 2009)

## State and Local Tax Revenue:

- \$5.1 billion in California (CY 2008)
- \$21.5 billion in the U.S. (CY 2008)

## West Coast Market Share *(incl. Canadian ports):*

- 38.6% Port of Los Angeles (CY 2009)
- 62.8% Port of Los Angeles/Long Beach (CY 2009)

## National Market Share:

- 19.7% of all waterborne imports and exports Port of Los Angeles (CY 2009)
- 40% of the cargo arriving at the Port of Los Angeles is destined for cities east of the Rocky Mountains

\* San Pedro Bay Ports are the Port of Los Angeles and the Port of Long Beach

Source: Planning & Economic Development







# Air Quality Report Card

## 2005-2009

### Primary Pollutants Defined

DPM =	Diesel Particulate Matter
NOx =	Oxides of Nitrogen
SOx =	Oxides of Sulfur
PM <sub>2.5</sub> =	Particulate Matter less than 2.5 microns in diameter
PM <sub>10</sub> =	Particulate Matter less than 10 microns in diameter
CO <sub>2</sub> =	Carbon Dioxide (A Green House Gas contributor)

### Overall Emissions Reductions

Single year-to-year Comparison	CY 2005-2009	
	%	Tons
DPM	-52%	507
PM <sub>2.5</sub>	-52%	472
PM <sub>10</sub>	-52%	551
NOx	-33%	5,568
SOx	-56%	3,120
<b>Total</b>		<b>10,218</b>

### CO<sub>2</sub> Equivalent Reductions By Source Type

Single year-to-year Comparison	CY 2005-2009	
	%	Metric Tons
Ocean-Going vessels	-24%	74,724
Harbor Craft	-2%	1,164
Cargo Handling Equip.	-5%	6,125
Rail	-32%	26,744
Heavy-Duty Vehicles	-13%	67,170
<b>Total</b>		<b>175,927</b>



## Emissions Reduction Per TEU Handled

Pollutant	CY 2005-2009	
	%	Metric Tons
DPM	-47%	0.61
PM <sub>2.5</sub>	-47%	0.56
PM <sub>10</sub>	-47%	0.66
NOx	-26%	5.8
SOx	-51%	3.82

## Ocean-Going Vessel Emissions Reductions

Pollutant	CY 2005-2009	
	%	Metric Tons
DPM	-51%	256
PM <sub>2.5</sub>	-51%	240
PM <sub>10</sub>	-51%	300
NOx	-27%	1,491
SOx	-55%	2,973

## Heavy Duty Vehicle/Clean Truck Emissions Reductions

Pollutant	CY 2005-2009	
	%	Metric Tons
DPM	-64%	203
PM <sub>2.5</sub>	-64%	187
PM <sub>10</sub>	-64%	203
NOx	-38%	2,557
SOx	-90%	43

## Harbor Craft Emissions Reduction

Pollutant	CY 2005-2009	
	%	Metric Tons
DPM	0%	0
PM <sub>2.5</sub>	0%	0
PM <sub>10</sub>	0%	0
NOx	-4%	56
SOx	-90%	5



# Air Quality Report Card 2005-2009

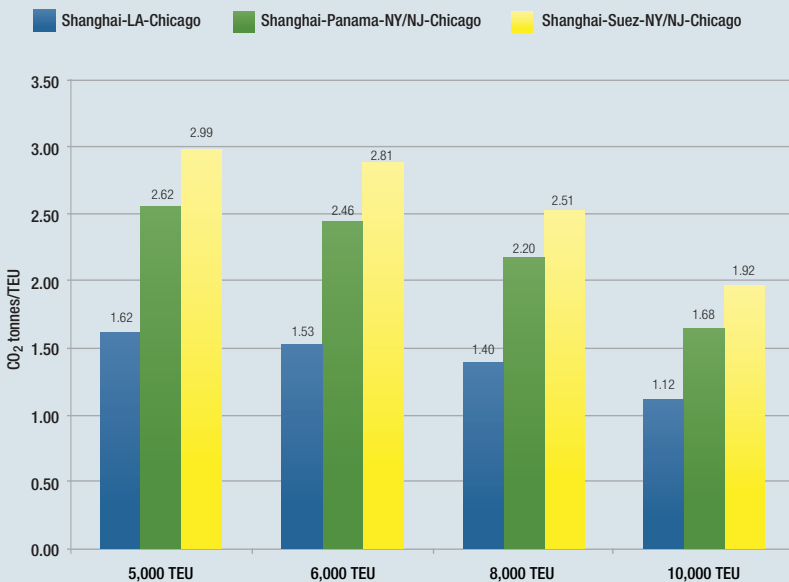
## Rail Emissions Reduction

Pollutant	CY 2005-2009	
	%	Metric Tons
DPM	-50%	29
PM <sub>2.5</sub>	-51%	27
PM <sub>10</sub>	-50%	29
NO <sub>x</sub>	-45%	772
SO <sub>x</sub>	-93%	91

## Cargo-Handling Equipment Emissions Reduction

Pollutant	CY 2005-2009	
	%	Metric Tons
DPM	-44%	20
PM <sub>2.5</sub>	-43%	17
PM <sub>10</sub>	-43%	20
NO <sub>x</sub>	-48%	694
SO <sub>x</sub>	-84%	8

## Green House Gas (GHG) Comparison of Shipping Cargo from Shanghai to Chicago





425 South Palos Verdes Street, P.O. Box 151 • San Pedro, California 90733-0151  
Tel/TDD: 310-SEA-PORT • [www.portoflosangeles.org](http://www.portoflosangeles.org)

As a covered entity under Title II of the Americans with Disabilities Act, the City of Los Angeles does not discriminate on the basis of disability and, upon request, will provide reasonable accommodation to ensure equal access to its programs, services, and activities.

