

**ATTACHMENT 6**  
**AVIATION ACTIVITY ANALYSIS**





Los Angeles World Airports

# LAX SPECIFIC PLAN AVIATION ACTIVITY ANALYSIS REPORT CY 2015

Prepared July 2016

**Los Angeles International Airport Specific Plan  
LAX Specific Plan Compliance Review  
Aviation Activity Analysis  
January - December 2015**

**Purpose of This Study**

Per Section 7 Subsection G.1(b), Monitoring and Reporting, of the Los Angeles International Airport Specific Plan effective January 20, 2005 and last amended June 16, 2016, Los Angeles World Airports (LAWA) is required to prepare and submit an annual Aviation Activity Analysis Report to the Board of Airport Commissioners, the Department of City Planning, Los Angeles Department of Transportation, and the City Council. This report is to include an "analysis that identifies the current number of passengers, volume of air cargo and aircraft operations served at LAX". The report is also to "compile aviation activity statistics for other airports in the Los Angeles region for monitoring and reporting purposes." This Aviation Activity Analysis Report has been updated for the calendar year 2015.

**Summary and Conclusions**

An analysis of LAX and regional air traffic activity for January through December 2015 led to the following conclusions:

- Passenger volume at LAX totaled 74.94 Million Annual Passengers (MAP) in 2015, a 6.05% increase compared to the previous year, and another record-breaking high for LAX.
- Cargo volume at LAX totaled 2.132 million tons in 2015, a 6.47% increase over 2014, with 2.002 million tons.
- Commercial aircraft operations (landings and takeoffs) at LAX increased by 2.96% in 2015 to 655,564 from 636,706 operations in 2014.
- LAX handled 76.7% of regional air passenger traffic in 2015, a 0.5% increase over 2014.
- Data reported by Airports Council International<sup>(1)</sup> indicates LAX dropped from fifth busiest airport in the world by passenger volume to seventh, and from second busiest in the United States to third for calendar year 2015. Atlanta ranked first globally, followed by Beijing, Dubai, Chicago O'Hare, Tokyo and Dubai.
- LAX is the busiest domestic O&D airport in the United States.

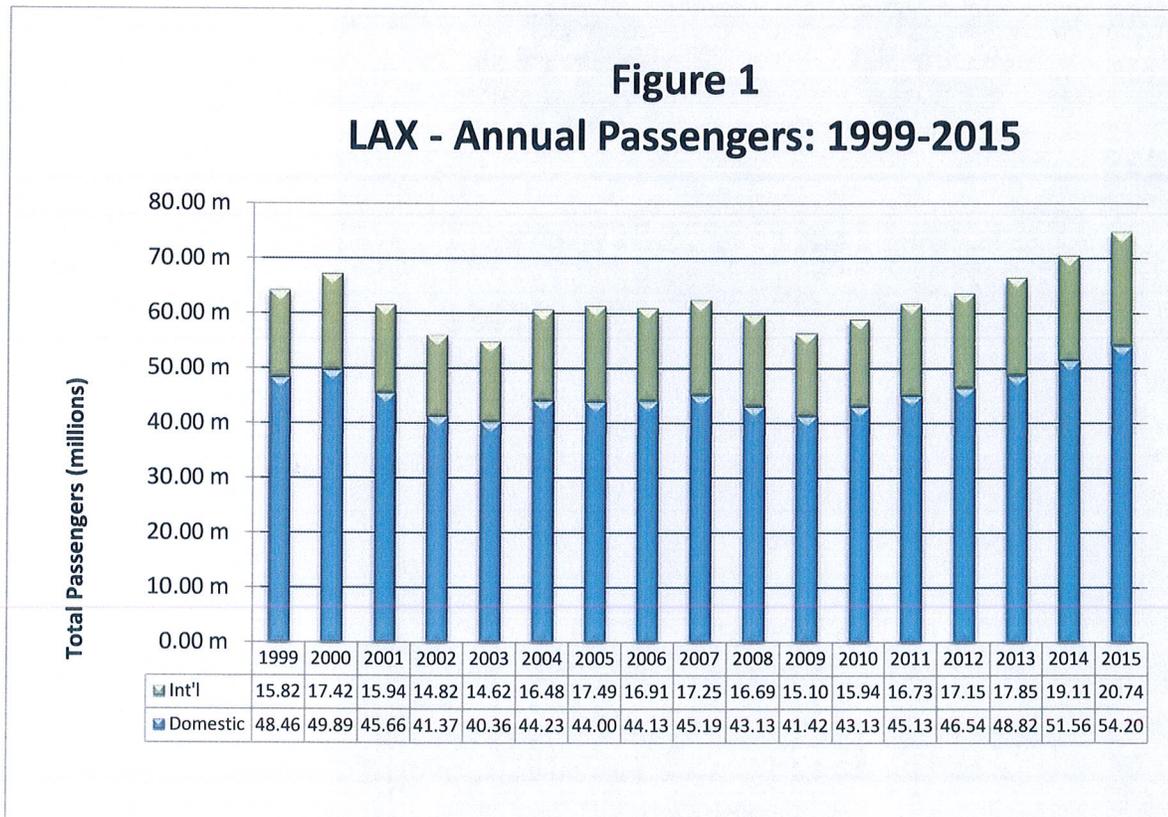


## LAX Air Traffic Activity

LAWA reports air traffic activity on a monthly basis throughout the year. Reports are posted each month on the LAWA web site ([www.lawa.org](http://www.lawa.org)). The attached reports entitled "Traffic Comparison Report (TCOM)" and "Volume of Air Traffic (VOAT)" provides passenger, cargo and aircraft operations activity statistics for Los Angeles International Airport for the Calendar Year 2015.

## LAX Passenger Volume

As shown in Figure 1, LAX passenger volume totaled approximately 74.94 Million Annual Passengers (MAP) in 2015, a 6.05% increase compared to the previous year.

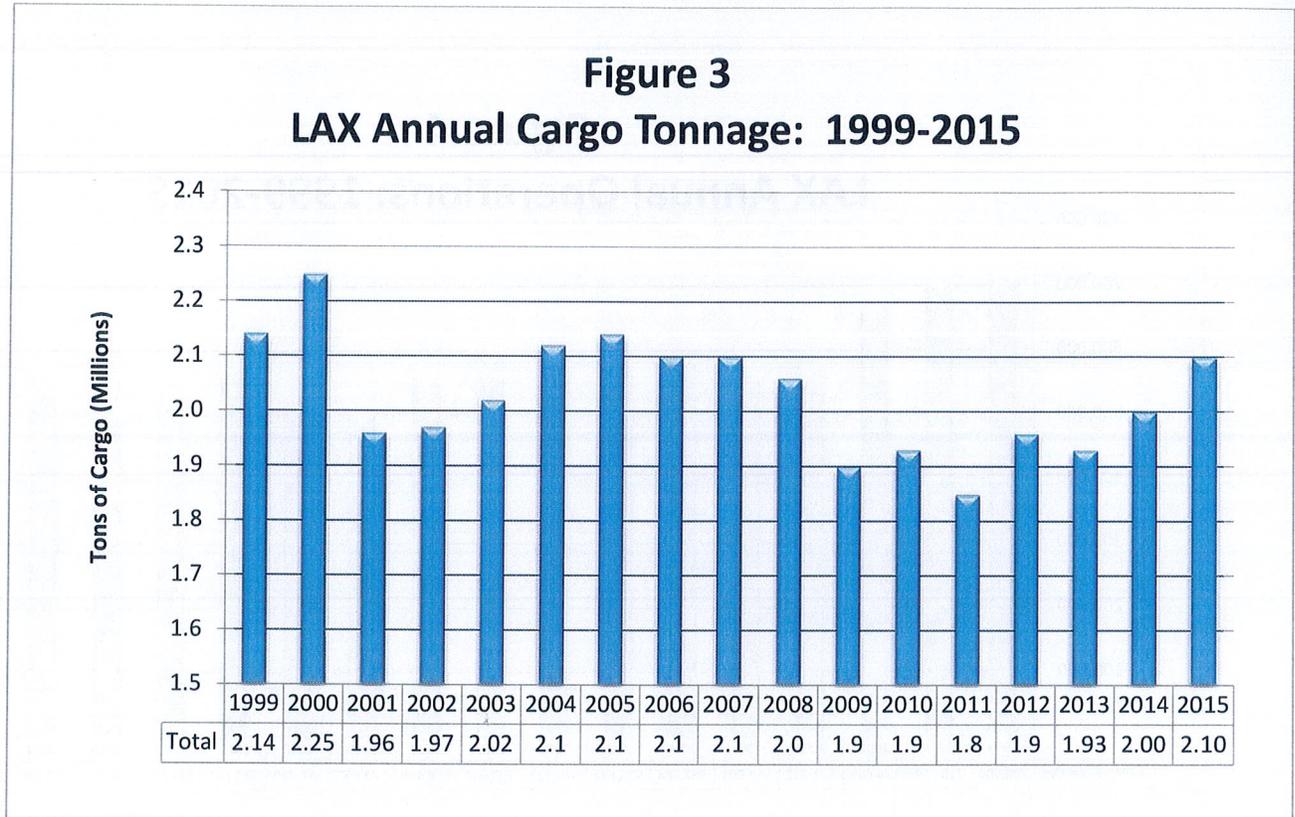


Data Source: RAMS

In 2015, international passenger volume was 20,740,075 MAP. An 8.55% increase over the previous record high of 19,106,746 MAP in 2014. The percentage share of international passengers has increased 24.6% since 2009, following the Great Recession, but only by 10.2% as compared to previous peak year in 2000.

## LAX Cargo Volume

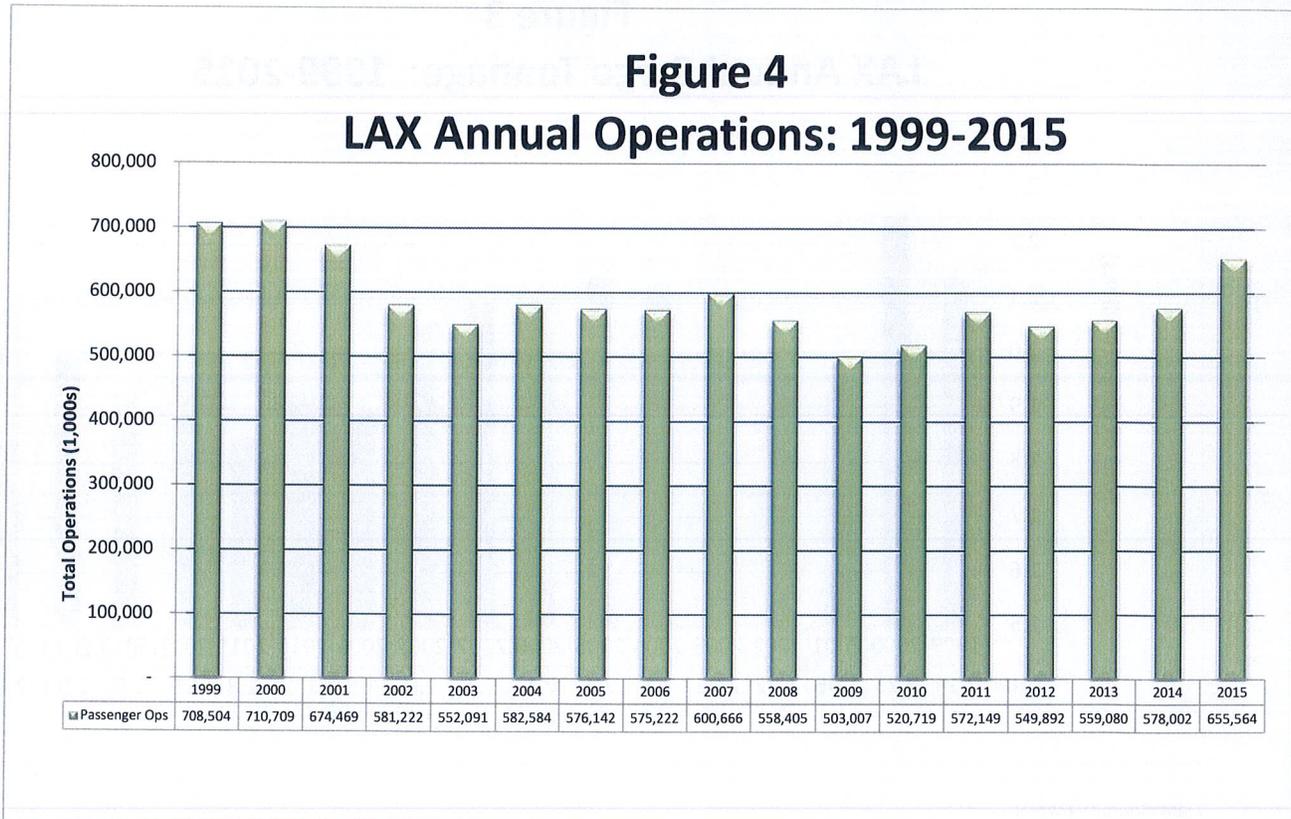
Total cargo volume in Calendar Year 2015 totaled 2.13 Million Annual Tons, a 6.47% increase from 2014. Figure 3 – “LAX Annual Cargo Tonnage 1999-2015” shows historical cargo volumes for LAX between 1999 and 2015.



Data Source: RAMS

## LAX Commercial Aircraft Operations

Figure 4 - "LAX Annual Operations 1999-2015" shows the change in operations at LAX between 1999 and 2015. Operations data in Figure 4 includes only scheduled, air carrier, air taxi, charter, and military operations. The number of commercial aircraft operations (landings and takeoffs) totaled 655,564 in 2015, up from 578,002 commercial operations in 2014, an 11.8% increase.



Data Source: RAMS

## Aviation Activity in the Los Angeles Region

There are six primary commercial airports in the six-county Southern California region (Los Angeles, Orange, Ventura, San Bernardino, Riverside, and Imperial Counties). These airports in total served approximately 97,681,797 air passengers (up 5.02% from 2014) and approximately 2.74 million tons of air cargo in 2015. The six Southern California airports generated about 1.2 million aircraft commercial and private operations in 2015. In 2015, LAX handled 76.7% of the 2015 passenger volume.

The tables below, "Aviation Activity SCAG Region Air Carrier Airports" below summarizes 2014 and 2015 passengers, cargo, and operations totals by airport in absolute numbers (Table 1) and percentage of total (Table 2).

<b>Table 1: 2014 - 2015</b>						
<b>Aviation Activity SCAG Region Air Carrier Airports</b>						
Airport	2015			2014		
	Passengers	Cargo/Mail (Tons)	Total Operations	Passengers	Cargo/Mail (Tons)	Total Operations
BUR	3,943,629	56,198	127,987	3,861,179	57,604	118,543
SNA	10,180,258	17,679	260,689	9,386,033	17,127	269,189
LAX	74,936,256	2,132,486	655,564	70,663,519	2,002,910	636,706
LGB	2,523,686	24,983	24,983	2,823,996	25,529	291,896
ONT	4,209,311	509,809	88,074	4,127,280	474,502	83,766
PSP	1,888,657	328	55,977	1,914,402	340	57,307
<b>Total</b>	<b>97,681,797</b>	<b>2,741,483</b>	<b>1,213,274</b>	<b>92,776,409</b>	<b>2,578,012</b>	<b>1,457,407</b>

<b>Table 2: 2014 - 2015 by percentage of total</b>						
<b>Aviation Activity SCAG Region Air Carrier Airports</b>						
Airport	2015			2014		
	Passengers	Cargo/Mail (Tons)	Total Operations	Passengers	Cargo/Mail (Tons)	Total Operations
BUR	4.0%	2.0%	10.5%	4.2%	2.2%	8.1%
SNA	10.4%	0.6%	21.5%	10.1%	0.7%	18.5%
LAX	76.7%	77.8%	54.0%	76.2%	77.7%	43.7%
LGB	2.6%	0.9%	2.1%	3.0%	1.0%	20.0%
ONT	4.3%	18.6%	7.3%	4.4%	18.4%	5.7%
PSP	1.9%	0.0%	4.6%	2.1%	0.0%	3.9%
<b>Total</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>

BUR: Burbank Bob Hope Airport - Burbank, CA  
 SNA: John Wayne International Airport - Orange County, Santa Ana, CA  
 LAX: Los Angeles International Airport - Los Angeles, CA  
 LGB: Long Beach International Airport - Long Beach, CA  
 ONT: Los Angeles/Ontario International Airport - Ontario, CA  
 PSP: Palm Spring International Airport - Palm Springs, CA

Table 3 - "Airport Share of Regional Passenger Traffic SCAG Region Air Carrier Airports 1996-2015" shows the airport share of regional passenger traffic.

<b>Table 1</b>							
<b>SCAG Region Air Carrier Airports Activity: 2014 - 2015</b>							
<b>YEAR</b>	<b>Los Angeles (LAX)</b>	<b>Ontario (ONT)</b>	<b>Long Beach (LGB)</b>	<b>John Wayne (SNA)</b>	<b>Burbank (BUR)</b>	<b>Palm Springs (PSP)</b>	<b>Regional Total</b>
1996	74.4%	8.0%	0.6%	9.4%	6.2%	1.4%	100%
1997	74.6%	7.8%	0.8%	9.6%	5.8%	1.5%	100%
1998	74.9%	7.9%	0.8%	9.1%	5.8%	1.5%	100%
1999	75.4%	7.7%	1.0%	8.8%	5.6%	1.5%	100%
2000	76.1%	7.6%	0.7%	8.8%	5.3%	1.4%	100%
2001	75.2%	8.2%	0.7%	8.9%	5.5%	1.4%	100%
2002	72.2%	8.4%	1.9%	10.2%	5.9%	1.4%	100%
2003	69.7%	8.3%	3.6%	10.8%	6.0%	1.6%	100%
2004	70.5%	8.1%	3.4%	10.8%	5.7%	1.6%	100%
2005	69.6%	8.2%	3.4%	10.9%	6.2%	1.6%	100%
2006	69.6%	8.0%	3.1%	11.0%	6.5%	1.7%	100%
2007	69.3%	8.0%	3.2%	11.1%	6.6%	1.8%	100%
2008	70.5%	7.3%	3.4%	10.6%	6.3%	1.8%	100%
2009	71.5%	6.2%	3.7%	11.0%	5.8%	1.9%	100%
2010	72.5%	5.9%	3.7%	10.6%	5.5%	1.8%	100%
2011	73.7%	5.4%	3.7%	10.3%	5.1%	1.8%	100%
2012	74.2%	5.0%	3.7%	10.3%	4.7%	2.0%	100%
2013	75.4%	4.5%	3.3%	10.4%	4.3%	2.0%	100%
2014	76.2%	4.4%	3.0%	10.1%	4.2%	2.1%	100%
2015	76.7%	4.3%	2.6%	10.4%	4.0%	1.9%	100%

**Los Angeles World Airports (LAWA)**  
**Traffic Comparison (TCOM)**  
**Los Angeles International Airport**  
**Calendar YTD January to December**

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Page 1 of 1

	Dec-2016	Dec-2015	<u>% Change</u>	Jan-2016 to Dec-2016	Jan-2015 to Dec-2015	<u>% Change</u>
<b><u>Passenger Traffic Totals</u></b>						
Domestic	4,865,684	4,655,803	4.51 %	58,071,363	54,216,230	7.11 %
International	2,006,577	1,739,163	15.38 %	22,850,164	20,740,075	10.17 %
<b>Total</b>	<b>6,872,261</b>	<b>6,394,966</b>	<b>7.46 %</b>	<b>80,921,527</b>	<b>74,956,305</b>	<b>7.96 %</b>
<b><u>Domestic Passengers</u></b>						
Scheduled Carriers	4,861,949	4,648,481	4.59 %	58,041,983	54,178,357	7.13 %
Commuter Carriers	0	892	-100.00 %	7,454	14,347	-48.04 %
Charter Carriers	3,735	6,430	-41.91 %	21,926	23,526	-6.80 %
<b>Total</b>	<b>4,865,684</b>	<b>4,655,803</b>	<b>4.51 %</b>	<b>58,071,363</b>	<b>54,216,230</b>	<b>7.11 %</b>
<b><u>International Passengers</u></b>						
Tom Bradley Intl	1,095,581	1,005,760	8.93 %	13,153,071	12,121,672	8.51 %
Terminal 2	427,150	331,605	28.81 %	4,721,304	4,140,390	14.03 %
Terminal 5	128,235	142,656	-10.11 %	1,544,663	1,610,703	-4.10 %
Terminal 7	124,885	121,636	2.67 %	1,350,031	1,355,361	-0.39 %
Terminal 4	106,200	51,117	107.76 %	996,655	586,124	70.04 %
All Other Terminals	124,526	86,389	44.15 %	1,084,440	925,825	17.13 %
<b>Total</b>	<b>2,006,577</b>	<b>1,739,163</b>	<b>15.38 %</b>	<b>22,850,164</b>	<b>20,740,075</b>	<b>10.17 %</b>
<b><u>US Customs Arrivals by Terminal</u></b>						
Tom Bradley Intl	716,765	596,817	20.10 %	8,246,295	7,031,994	17.27 %
Terminal 2	91,060	111,763	-18.52 %	1,334,864	1,434,400	-6.94 %
Terminal 7	72,960	62,059	17.57 %	750,327	747,648	0.36 %
Terminal 5	45,804	60,456	-24.24 %	670,392	729,883	-8.15 %
Terminal 4	0	0	0.00 %	0	0	0.00 %
All Other Terminals	0	0	0.00 %	0	0	0.00 %
<b>Total</b>	<b>926,589</b>	<b>831,095</b>	<b>11.49 %</b>	<b>11,001,878</b>	<b>9,943,925</b>	<b>10.64 %</b>
<b><u>Air Cargo (Tons)</u></b>						
Mail	13,917	13,143	5.89 %	99,394	94,299	5.40 %
Freight	186,049	171,591	8.43 %	2,105,941	2,047,197	2.87 %
<b>Total</b>	<b>199,966</b>	<b>184,733</b>	<b>8.25 %</b>	<b>2,205,335</b>	<b>2,141,496</b>	<b>2.98 %</b>
<b><u>FAA Aircraft Movement</u></b>						
Air Carrier	54,735	51,151	7.01 %	623,011	571,588	9.00 %
Air Taxi	3,423	2,955	15.84 %	48,714	61,652	-20.99 %
General Aviation	1,592	1,747	-8.87 %	24,284	20,300	19.63 %
Military	30	193	-84.46 %	1,129	2,024	-44.22 %
<b>Total</b>	<b>59,780</b>	<b>56,046</b>	<b>6.66 %</b>	<b>697,138</b>	<b>655,564</b>	<b>6.34 %</b>

