

California State Airport Noise Standards Quarterly Report

Fourth Quarter 2016



LAX

*Los Angeles
World Airports*

Los Angeles World Airports
Los Angeles International Airport

February 17, 2017

TABLE OF CONTENTS

California State Airport Noise Standards Quarterly Report

1. Division of Aeronautics Form 617
2. Incompatible Land Use Data
3. Daily Aircraft CNEL Data
4. Runway Utilization Report
 - Summary of Runway Use
 - Summary of Runway Flow
5. Summary of Actions

Attachment

Noise contour map

**SUMMARY OF STATISTICAL INFORMATION
FOR
CALIFORNIA DEPARTMENT OF TRANSPORTATION**

Los Angeles International Airport
Fourth Quarter 2016

1. Size of Noise Impact Area as defined in the Noise Standards (California Code of Regulations, Title 21, Chapter 2.5, Subchapter 6):

688.6 Acres

2. Estimated number of dwelling units included in the Noise Impact Area as defined in the Noise Standards:

9,307

3. Estimated number of people residing within the Noise Impact Area as defined in the Noise Standards:

33,386

4. Identification of aircraft type having highest takeoff noise level operating at this airport together with estimated number of operations by this aircraft type during the calendar quarter reporting period:

B747: 3,269

5. Total number of aircraft operations during the calendar quarter*:

176,109

6. Number of Air Carrier operations during the calendar quarter: (Not Mandatory)*

159,385

7. Percentage of Air Carrier operations by aircraft certificated under Federal Aviation Regulation (FAR) Part 36, Stage III. (Not Mandatory)

100 %

8. Estimated number of operations by General Aviation aircraft during the calendar quarter: (Not Mandatory)*

5,706

9. Estimated number of operations by Military aircraft during the calendar quarter: (Not Mandatory)*

145

LOS ANGELES INTERNATIONAL AIRPORT

Incompatible Land Use

Annual Noise Impact Accumulated by Noise Zone: CNEL 65, 70, and 75 +

4Q16	Total Cumulative Noise Impact Areas - All Jurisdictions											
	<i>CNEL 65 dB and Above</i>				<i>CNEL 70 dB and Above</i>				<i>CNEL 75 dB and Above</i>			
Land Use	Acres	Dwelling Units	Parcels	Population	Acres	Dwelling Units	Parcels	Population	Acres	Dwelling Units	Parcels	Population
Single Family	340.2	2,383	2,437	8,694	73.8	497	503	2,132	5.2	25	25	126
Multi-Family	318.6	6,896	2,033	24,621	98.4	2,253	589	8,979	8.5	148	74	528
Mobile Home	1.0	1	3	3	0.0	0	0	0	0.0	0	0	0
Schools	3.2	0	5	0	0.0	0	0	0	0.0	0	0	0
Churches	25.0	27	57	68	3.9	0	4	0	0.0	0	0	0
Hospitals	0.6	0	2	0	0.0	0	0	0	0.0	0	0	0
Total Incompatible	688.6	9,307	4,537	33,386	176.1	2,750	1,096	11,111	13.7	173	99	653

Note: Parcels and dwelling units may not match for single family land uses due to subdivision.
Parcels for multifamily land uses reflect only the common area parcel, except for condominiums.

Report Date: 02/17/2017

LOS ANGELES INTERNATIONAL AIRPORT

Incompatible Land Use

Annual Noise Impact Accumulated by Noise Zone: CNEL 65, 70, and 75 +

4Q16	Total Cumulative Noise Impact Areas - Athens											
	<i>CNEL 65 dB and Above</i>				<i>CNEL 70 dB and Above</i>				<i>CNEL 75 dB and Above</i>			
	Land Use	Acres	Dwelling Units	Parcels	Population	Acres	Dwelling Units	Parcels	Population	Acres	Dwelling Units	Parcels
Single Family	41.3	306	321	1,055	0.0	0	0	0	0.0	0	0	0
Multi-Family	47.1	865	295	2,927	0.0	0	0	0	0.0	0	0	0
Mobile Home	0.0	0	0	0	0.0	0	0	0	0.0	0	0	0
Schools	0.0	0	0	0	0.0	0	0	0	0.0	0	0	0
Churches	1.9	5	8	18	0.0	0	0	0	0.0	0	0	0
Hospitals	0.0	0	0	0	0.0	0	0	0	0.0	0	0	0
Total Incompatible	90.3	1,176	624	3,999	0.0	0	0	0	0.0	0	0	0

Note: Parcels and dwelling units may not match for single family land uses due to subdivision.
Parcels for multifamily land uses reflect only the common area parcel, except for condominiums.

Report Date: 02/17/2017

LOS ANGELES INTERNATIONAL AIRPORT

Incompatible Land Use

Annual Noise Impact Accumulated by Noise Zone: CNEL 65, 70, and 75 +

4Q16	Total Cumulative Noise Impact Areas - Del Aire											
	<i>CNEL 65 dB and Above</i>				<i>CNEL 70 dB and Above</i>				<i>CNEL 75 dB and Above</i>			
	Land Use	Acres	Dwelling Units	Parcels	Population	Acres	Dwelling Units	Parcels	Population	Acres	Dwelling Units	Parcels
Single Family	4.0	22	22	68	0.0	0	0	0	0.0	0	0	0
Multi-Family	0.7	12	3	22	0.0	0	0	0	0.0	0	0	0
Mobile Home	0.0	0	0	0	0.0	0	0	0	0.0	0	0	0
Schools	0.0	0	0	0	0.0	0	0	0	0.0	0	0	0
Churches	0.0	0	0	0	0.0	0	0	0	0.0	0	0	0
Hospitals	0.0	0	0	0	0.0	0	0	0	0.0	0	0	0
Total Incompatible	4.7	34	25	90	0.0	0	0	0	0.0	0	0	0

Note: Parcels and dwelling units may not match for single family land uses due to subdivision.
 Parcels for multifamily land uses reflect only the common area parcel, except for condominiums.

Report Date: 02/17/2017

LOS ANGELES INTERNATIONAL AIRPORT

Incompatible Land Use

Annual Noise Impact Accumulated by Noise Zone: CNEL 65, 70, and 75 +

4Q16	Total Cumulative Noise Impact Areas - City of El Segundo											
	<i>CNEL 65 dB and Above</i>				<i>CNEL 70 dB and Above</i>				<i>CNEL 75 dB and Above</i>			
	Land Use	Acres	Dwelling Units	Parcels	Population	Acres	Dwelling Units	Parcels	Population	Acres	Dwelling Units	Parcels
Single Family	87.8	582	586	1,517	17.3	106	106	277	0.0	0	0	0
Multi-Family	25.2	650	284	1,428	7.3	225	99	500	1.6	79	52	163
Mobile Home	0.4	1	1	3	0.0	0	0	0	0.0	0	0	0
Schools	0.0	0	0	0	0.0	0	0	0	0.0	0	0	0
Churches	0.7	0	2	0	0.5	0	1	0	0.0	0	0	0
Hospitals	0.0	0	0	0	0.0	0	0	0	0.0	0	0	0
Total Incompatible	114.1	1,233	873	2,948	25.1	331	206	777	1.6	79	52	163

Note: Parcels and dwelling units may not match for single family land uses due to subdivision.
Parcels for multifamily land uses reflect only the common area parcel, except for condominiums.

Report Date: 02/17/2017

LOS ANGELES INTERNATIONAL AIRPORT

Incompatible Land Use

Annual Noise Impact Accumulated by Noise Zone: CNEL 65, 70, and 75 +

4Q16	Total Cumulative Noise Impact Areas - City of Inglewood											
	<i>CNEL 65 dB and Above</i>				<i>CNEL 70 dB and Above</i>				<i>CNEL 75 dB and Above</i>			
	Land Use	Acres	Dwelling Units	Parcels	Population	Acres	Dwelling Units	Parcels	Population	Acres	Dwelling Units	Parcels
Single Family	96.1	662	683	2,504	12.2	86	89	387	0.0	0	0	0
Multi-Family	137.8	2,993	813	11,102	43.0	1,135	217	4,774	0.0	0	0	0
Mobile Home	0.6	0	2	0	0.0	0	0	0	0.0	0	0	0
Schools	2.1	0	2	0	0.0	0	0	0	0.0	0	0	0
Churches	14.8	13	26	28	2.1	0	1	0	0.0	0	0	0
Hospitals	0.6	0	2	0	0.0	0	0	0	0.0	0	0	0
Total Incompatible	252.0	3,668	1,528	13,634	57.3	1,221	307	5,161	0.0	0	0	0

Note: Parcels and dwelling units may not match for single family land uses due to subdivision.
Parcels for multifamily land uses reflect only the common area parcel, except for condominiums.

Report Date: 02/17/2017

LOS ANGELES INTERNATIONAL AIRPORT

Incompatible Land Use

Annual Noise Impact Accumulated by Noise Zone: CNEL 65, 70, and 75 +

4Q16	Total Cumulative Noise Impact Areas - Lennox											
	<i>CNEL 65 dB and Above</i>				<i>CNEL 70 dB and Above</i>				<i>CNEL 75 dB and Above</i>			
	Land Use	Acres	Dwelling Units	Parcels	Population	Acres	Dwelling Units	Parcels	Population	Acres	Dwelling Units	Parcels
Single Family	70.4	490	498	2,349	44.3	305	308	1,468	5.2	25	25	126
Multi-Family	69.9	1,124	395	5,204	43.8	652	251	3,123	6.9	69	22	364
Mobile Home	0.0	0	0	0	0.0	0	0	0	0.0	0	0	0
Schools	0.0	0	0	0	0.0	0	0	0	0.0	0	0	0
Churches	1.6	1	3	4	1.3	0	2	0	0.0	0	0	0
Hospitals	0.0	0	0	0	0.0	0	0	0	0.0	0	0	0
Total Incompatible	141.9	1,615	896	7,558	89.4	957	561	4,591	12.1	94	47	490

Note: Parcels and dwelling units may not match for single family land uses due to subdivision.
Parcels for multifamily land uses reflect only the common area parcel, except for condominiums.

Report Date: 02/17/2017

LOS ANGELES INTERNATIONAL AIRPORT

Incompatible Land Use

Annual Noise Impact Accumulated by Noise Zone: CNEL 65, 70, and 75 +

4Q16	Total Cumulative Noise Impact Areas - South and South East LA											
	<i>CNEL 65 dB and Above</i>				<i>CNEL 70 dB and Above</i>				<i>CNEL 75 dB and Above</i>			
	Land Use	Acres	Dwelling Units	Parcels	Population	Acres	Dwelling Units	Parcels	Population	Acres	Dwelling Units	Parcels
Single Family	39.2	313	318	1,180	0.0	0	0	0	0.0	0	0	0
Multi-Family	25.4	623	179	2,382	0.0	0	0	0	0.0	0	0	0
Mobile Home	0.0	0	0	0	0.0	0	0	0	0.0	0	0	0
Schools	1.1	0	3	0	0.0	0	0	0	0.0	0	0	0
Churches	4.2	5	15	13	0.0	0	0	0	0.0	0	0	0
Hospitals	0.0	0	0	0	0.0	0	0	0	0.0	0	0	0
Total Incompatible	69.9	941	515	3,576	0.0	0	0	0	0.0	0	0	0

Note: Parcels and dwelling units may not match for single family land uses due to subdivision.
Parcels for multifamily land uses reflect only the common area parcel, except for condominiums.

Report Date: 02/17/2017

LOS ANGELES INTERNATIONAL AIRPORT

Incompatible Land Use

Annual Noise Impact Accumulated by Noise Zone: CNEL 65, 70, and 75 +

4Q16	Total Cumulative Noise Impact Areas - Westchester/Playa Del Rey											
	<i>CNEL 65 dB and Above</i>				<i>CNEL 70 dB and Above</i>				<i>CNEL 75 dB and Above</i>			
	Land Use	Acres	Dwelling Units	Parcels	Population	Acres	Dwelling Units	Parcels	Population	Acres	Dwelling Units	Parcels
Single Family	1.4	8	9	22	0.0	0	0	0	0.0	0	0	0
Multi-Family	12.4	629	64	1,554	4.5	241	22	582	0.0	0	0	0
Mobile Home	0.0	0	0	0	0.0	0	0	0	0.0	0	0	0
Schools	0.0	0	0	0	0.0	0	0	0	0.0	0	0	0
Churches	1.9	3	3	5	0.0	0	0	0	0.0	0	0	0
Hospitals	0.0	0	0	0	0.0	0	0	0	0.0	0	0	0
Total Incompatible	15.7	640	76	1,582	4.5	241	22	582	0.0	0	0	0

Note: Parcels and dwelling units may not match for single family land uses due to subdivision.
Parcels for multifamily land uses reflect only the common area parcel, except for condominiums.

Report Date: 02/17/2017

October	AIR1	PDR1	PDR2	PDR3*	ESG1	ESG2	ESG3	ESG4*	ESG5	DEL1*	WCH1*	WCH2	WCH3	WCH4*	WCH5	WCH6	ING1	ING2	ING3	ING4	ING6	ING5*	ING7*	ING8	LN1	LN2	LN3	LN4	ATH1*	ATH2	SLA1	SLA2*	SLA3	SLA4*	SLA5	SLA6*	SLA7	SLA8*	SLA9*
1 Sat	79	67	62	56	64	68	60	55	56	51	55	61	62	59	75	63	60	66	67		71	59	57	63	75	64	66		61	67	65	60	63	60	65	62	65	61	61
2 Sun	80	68	63	58	65	68	61	56	57	48	57	63	63	58	76	65	62	68	69		71		59	63	76	64	63	--	63	68	67	61	66	61	67	64	68	63	63
3 Mon	81	68	64	59	66	69	63	62	60	54	58	64	63	59	75	64	62	67	67		70	61	57	61	75	62	63	67	61	66	65	60	62	60	64	62	65	61	62
4 Tue	80	68	62	59	65	68	62	57	60	59	57	64	62	57	74	65	65	67	68		72	66	60	64	76	70	66	70	63	67	65	62	64	61	65	63	65	63	62
5 Wed	81	68	63	58	66	69	62	56	60	51	58	64	63	58	75	64	61	67	68		70	59	58	62	75	62	62	--	63	66	66	62	61	61	64	64	64	61	62
6 Thu	80	69	63	60	65	69	63	60	61	58	61	66	65	62	75	64	61	66	67		70	59	57	61	75	63	62	--	62	66	65	59	61	59	64	61		61	66
7 Fri	80	--	62	58	66	69	65	64	66	66	59	65	65	63	74	63	61	65	70		69	60	55	--	75	62	63	--	60	65	63	58	61	62	63	66	64	61	63
8 Sat	80	66	61	56	66	69	65	61	60	55	56	62	61	57	74	62	62	65	66		70	58	54	60	75	61	64	--	59	66	63	57	60	58	62	60	63	59	59
9 Sun	80	67	62	57	65	69	64	62	63	60	57	63	63	60	75	63	60	66	67		70	58	56	60	74	61	62	--	61	65	64	58	61	59	63	62	65	60	62
10 Mon	80	70	64	59	66	69	63	60	59	52	59	65	63	62	75	64	61	67	68		70	59	57	61	75	63	63	--	60	66	65	59	62	60	64	62	64	62	62
11 Tue	80	69	63	58	66	69	63	58	59	56	56	62	62	58	75	64	61	67	68		71	60	57	62	76	63	63	--	62	67	66	60	62	60	65	63	66	63	62
12 Wed	79	69	64	59	66	69	63	58	59	51	57	61	61	59	75	64	62	67	68		73	62	58	64	78	65	65	--	64	69	66	60	65	61	67	65	67	63	61
13 Thu	80	69	63	60	65	69	63	57	58	52	57	63	64	63	76	64	62	67	68		73	62	58	64	78	65	65	68	64	69	66	61	65	60	67	63	67	63	63
14 Fri	79	69	63	58	65	68	64	57	58	49	56	61	62	58	76	64	62	67	68		74	62	57	64	78	64	65	68	64	68	65	60	64	61	66	61	67	62	62
15 Sat	80	69	63	60	65	69	62	58	60	57	54	59	60	59	75	63	61	67	67		72	61	57	64	78	64	64	67	62	67	65	60	63	60	68	60	67	62	61
16 Sun	79	70	64	59	65	68	62	57	59	52	55	60		60	75	64	61	67	68		72	61	58	64	77	64	64	68	63	69	66	60	64	61	67	61	67	63	62
17 Mon	80	68	63	58	66	69	63	59	59	51	56	63	61	60	75	64	61	67	68		72	61	57	63	77	63	64	67	63	68	66	60	64	60	66	63	66	62	63
18 Tue	81	68	62	52	66	70	64	62	62	53	59	65	--	59	75	63	61	67	68		70	59	57	62	75	61	62	65	61	66	65	59	62	60	65	64	65	61	62
19 Wed	80	67	61	52	65	69	64	61	65	63	58	63		63	73	62	59	65	66		68	58	55	60	73	61	61	64	62	65	64	59	60	59	63	64	64	59	60
20 Thu	79	66	59	58	64	69	65	61	67	67	54	63	--	58	73	61	59	63	65		69	57	55	63	73	60	61	63	58	64	62	57	59	57	63	63	63	60	59
21 Fri	79	68	62	57	63	67	65	61	65	65	57	63	--	60	75	63	64	66	67		69	61	56	61	75	61	61	65	65	65	64	57	60	59	63	63	64	62	60
22 Sat	80	70	65	61	66	70	63	61	64	60	62	66	--	62	76	65	61	67	68		70	58	58	64	75	61	62	65	60	64	66	62	61	61	56	65	64	61	61
23 Sun	80	70	65	61	66	71	63	59	63	58	59	63	--	59	76	64	62	68	68		70	59	58	62	76	63	63	67	61	67	66	60	63	61	65	62	66	61	62
24 Mon	79	70	65	62	67	71	63	58	61	58	57	63	--	61	76	65	62	68	68		71	60	60	62	76	63	63	66	62	67	66	61	63	62	65	63	66	62	62
25 Tue	81	69	64	59	67	70	63	58	59	56	57	64	64	60	75	64	62	67	68		71	61	58	63	76	63	64	67	61	67	66	60	63	61	65	63	66	62	62
26 Wed	80	70	64	59	67	71	63	59	64	57	57	63	64	62	76	65	62	68	68		73	62	58	64	78	65	65	69	65	69	66	61	64	61	67	64	67	63	62
27 Thu	81	70	64	60	67	71	63	61	61	55	59	64	64	60	76	64	61	67	68		70	60	57	62	76	62	63	66	61	67	65	60	62	61	65	62	65	62	61
28 Fri	81	70	64	58	67	70	63	60	63	62	57	63	--	60	76	67	66	68	69		72	64	61	65	77	68	67	69	64	68	66	63	65	63	66	64	66	63	62
29 Sat	81	69	63	58	67	71	65	63	66	60	57	63	--	60	74	63	60	66	66		70	60	56	61	76	62	68	66	60	67	64	58	62	59	65	61	65	61	62
30 Sun	79	69	64	57	66	69	62	57	59	54	55	60	--	57	77	65	62	68	69		70	60	59	62	75	60	62	66	60	66	67	60	62	61	64	61	65	61	63
31 Mon	79	71	66	59	65	68	61	57	60	58	56	63	--	61	77	67	63	69	70		73	61	60	62	77	62	64	67	62	67	68	62	63	64	65	65	65	61	65

* = Not Required for Title 21 Reporting

November	AIR1	PDR1	PDR2	PDR3*	ESG1	ESG2	ESG3	ESG4*	ESG5	DEL1*	WCH1*	WCH2	WCH3	WCH4*	WCH5	WCH6	ING1	ING2	ING3	ING4	ING6	ING5*	ING7*	ING8	LN1	LN2	LN3	LN4	ATH1*	ATH2	SLA1	SLA2*	SLA3	SLA4*	SLA5	SLA6*	SLA7	SLA8*	SLA9*
1 Tue	80	70	64	59	66	70	64	60	62	54	59	66		60	77	65	63	68	69		72	62	59	64	77	65	66	68	62	68	67	61	63	62	66	65	66	62	64
2 Wed	80	69	64	59	65	70	65	62	66	64	59	66	--	60	77	65	63	69	70		70	64	59	62	76	65	66	68	61	66	68	62	62	62	65	66	66	62	64
3 Thu	79	68	63	58	65	70	66	63	67	65	60	66	65	61	75	64	61	66	67		71	61	58	62	77	65	66	67	62	68	65	60	63	59	66	68	66	63	62
4 Fri	80	69	63	58	66	70	65	63	66	59	60	66	68	64	75	65	62	67	68		72	63	59	64	78	64	66	69	63	68	65	60	64	60	66	66	66	64	63
5 Sat	80	69	63	59	66	69	64	62	61	53	59	65	66	62	74	62	60	66	67		71	60	56	62	76	62	64	67	62	67	64	59	63	59	65	63	65	61	61
6 Sun	80	70	64	59	66	70	62	58	59	53	58	63	65	62	74	63	61	65	66		71	63	57	62	77	63	67		61	67	64	60	63	59	65	61	66	62	60
7 Mon	80	70	64	60	66	70	66	64	68	62	61	67	65	61	75	64	61	67	67			59	56	62	75	62	62	--	63	66	65	59	62	60	65	63	65	62	62
8 Tue	80	68	62	59	68	71	68	67	68	66	61	66	65	61	73	64	64	65	65		69	61	57	62	74	66	66	66	60	64	63	60	61	59	64	65	63	60	59
9 Wed	79	68	62	59	65	71	67	63	68	66	59	66	62	59	73	65	63	66	66		69	62	59	64	75	68	66	67	63	65	63	61	62	58	64	65	64	62	60
10 Thu	79	67	62	58	65	70	68	64	69	67	57	63	62	60	74	63	63	66	66		71	64	57	64	76	68	68	69	63	66	64	61	64	59	65	66	65	62	60
11 Fri	80	68	62	58	65	69	66	62	67	64	60	66	65	62	73	63	59	65	66		69	58	55	61	74	61	62	64	60	65	64	59	60	59	63	66	64	63	63
12 Sat	80	68	62	57	66	70	67	66	68	64	58	64	64	61	73	62	59	66	66		69	60	54	61	74	63	63	65	60	65	63	58	60	58	63	64	63	59	59
13 Sun	80	69	63	57	65	69	67	65	68	65	56	63	63	57	75	64	61	66	68		69	57	57	60	75	61	64	65	60	65	65	59	61	60	64	66	64	60	61
14 Mon	80	69	64	62	66	69	65	63	67	65	58	64	66	62	75	66	61	66	67		70	59	56	62	75	62	63	65	63	66	64	58	61	59	64	63	65	60	62
15 Tue	80	70	64	59	66	70	62	58	58	55	59	65		65	76	65	62	67	68		71	61	57	63	77	64	66	68	62	67	65	60	64	60	66	66	66	62	62
16 Wed	80	69	63	57	67	71	64	60	63	62	59	65	--	62	77	65	62	68	69		72	65	59	63	78	66	67	70	63	68	67	62	64	62	66	66	67	62	63
17 Thu	80	69	63	59	66	70	65	62	65	61	57	63		57	75	63	61	66	67		69	59	58	60	74	61	63	65	59	65	65	60	60	60	63	64	63	61	61
18 Fri	80	68	62	58	65	69	65	61	65	62	60	65	63	59	73	62	64	65	66		68	58	54	60	73	60	63	64	58	64	63	56	59	58	63	64	63	59	59
19 Sat	79	69	63	58	65	70	64	61	65	60	58	63	--	61	75	64	62	66	69		70	62	57	61	76	63	63	67	62	68	65	59	62	63	65	65	65	62	61
20 Sun	80	71	65	61	66	70	62	58	62	58	60	65	--	60	76	65	65	68	69		71	60	59	63	76	64	64	67	64	67	67	61	63	62	65	63	66	61	63
21 Mon	81	71	66	58	67	70	64	61	64	61	57	62	--	60	75	65	66	67	68		71	66	58	63	77	67	67	69	63	67	66	60	64	63	65	64	66	62	62
22 Tue	81	70	64	55	67	70	64	61	64	60	59	65	--	65	75	64	62	67	68		70	60	58	63	76	63	66	66	62	67	66	60	63	61	65	63	66	62	62
23 Wed	81	69	63	62	66	70	66	63	67	65	57	64	--	58	74	63	62	66	67		70	60	56	62	74	62	62	65	61	66	65	59	62	61	65	65	64	61	61
24 Thu	79	66	60	57	65	69	66	62	68	67	49	54	--	46	70	59	57	61	62		65	57	53	57	71	60	63	63	59	63	61	55	58	56	61	63	61	61	58
25 Fri	78	68	62	53	64	69	65	61	66	64	59	65	--	62	73	62	59	64	65		68	57	54	61	74	60	62	64	60	65	63	58	60	58	63	65	63	58	59
26 Sat	79	70	64	57	66	69	63	61	63	60	61	67	--	61	76	67	62	67	68		71	61	59	63	75	64	64	66	62	67	66	62	63	61	65	64	65	61	63
27 Sun	80	70	63	53	68	71	66	64	66	62	59	65	--	64	76	65	63	67	68		70	65	59	62	75	66	67	69	62	66	66	60	62	61	64	63	65	61	63
28 Mon	79	71	67	59	66	69	65	62	65	62	56	64	--	58	78	66	63	69	70		70	60	61	63	75	62	62	65	63	67	68	62	62	64	65	66	65	61	65
29 Tue	79	70	64	59	66	70	64	61	64	64	61	67	--	64	76	65	63	68	69		70	62	59	62	75	65	68	68	61	66	66	60	61	61	64	65	64	60	63
30 Wed	80	70	64		66	70	65	62	65	63	61	67		60	77	65	62	68	69		70	59	60	63	75	62	63	66	64	66	67	61	62	62	65	67	65	61	64

* = Not Required for Title 21 Reporting

December	AIR1	PDR1	PDR2	PDR3*	ESG1	ESG2	ESG3	ESG4*	ESG5	DEL1*	WCH1*	WCH2	WCH3	WCH4*	WCH5	WCH6	ING1	ING2	ING3	ING4	ING6	ING5*	ING7*	ING8	LN1	LN2	LN3	LN4	ATH1*	ATH2	SLA1	SLA2*	SLA3	SLA4*	SLA5	SLA6*	SLA7	SLA8*	SLA9*
1 Thu	80	69	63		67	71	65	62	65	63	61	64		59	75	63	61	66	67		70	64	58	62	76	65	65	68	62	67	65	60	62	61	65	63	65	61	62
2 Fri	77	64	56		65	69	64	61	64	65	63	60	62	56	71	64	63	63	65		70	65	55	65	75	69	68	68	63	66	61	62	63	56	65	64	65	62	58
3 Sat	76	66	60		62	67	61	60	62	61	57	63	64	60	72	62	64	63	65		72	63	53	64	75	69	68	68	62	66	63	62	62	57	64	64	64	61	59
4 Sun	79	69	62		65	69	64	61	64	62	57	63	64	63	74	63	60	66	66		70	61	55	61	74	61	61	64	63	65	64	57	60	59	63	63	63	59	60
5 Mon	80	70	65		67	69	61	59	60	48	59	65	65	62	75	64	61	67	68		71	60	57	63	77	63	63	67	63	68	66	60	63	60	66	64	66	62	62
6 Tue	80	70	65		66	70	63	57	59	55	59	65	66	60	75	64	62	67	68		72	65	58	63	77	67	68	71	63	68	66	60	64	61	66	64	66	62	63
7 Wed	80	71	65		66	71	63	60	62	56	59	63	65	61	75	64	62	67	68		71	62	58	64	77	63	65	67	64	68	66	61	64	61	66	63	67	63	63
8 Thu	80	69	64		67	70	64	62	63	59	58	64	66	58	75	64	62	67	68		72	62	58	64	77	64	64	68	64	68	66	61	64	61	67	65	67	63	63
9 Fri	81	70	64		67	71	64	60	60	57	59	67	60	58	75	63	61	67	68		71	66	58	63	76	62	63	66	62		65	60	62	60	65	64	65	62	63
10 Sat	79	69	63		65	70	61	57	59	53	55	60	58	54	75	64	61	67	68		71	62	56	62	77	64	66	68	63		64	59	63	59	64	60	65	61	61
11 Sun	79	70	64		65	69	60	56	56	49	56	61	61	58	76	64	61	67	68		74	60	58	62	76	61	63	67	63		66	60	63	61	66	63	66	61	62
12 Mon	79	70	65		65	69	61	60	59	49	57	62	59	58	76	65	61	67	68		71	60	58	62	76	63	64	67	62		66	60	63	62	66	63	66	62	63
13 Tue	80	71	65		66	70	63	59	63	54	57	62	63	59	75	64	60	67	67		71	59	57	62	75	62	62	65	61	66	65	59	62	61	64	61	65	62	62
14 Wed	81	70	64		67	70	62	60	61	55	57	64	66	63	77	66	63	68	70		71	60	60	63	76	63	64	66	64	68	68	62	63	66	66	64	66	62	64
15 Thu	80	71	66		66	70	63	60	61	55	61	67	66	62	77	65	63	68	69		72	64	59	64	78	64	68	70	63	68	66	61	64	61	66	65	67	63	63
16 Fri	78	71	65		68	70	65	63	64	64	62	66	66	63	78	69	68	70	71		75	67	63	71	80	65	72	72	67	71	69	68	68	63	69	67	69	65	65
17 Sat	79	70	64		67	71	65	62	66	64	56	60	58	58	75	66	61	67	68		72	61	58	63	76	62	63	68	63	68	66	62	64	61	66	63	67	64	63
18 Sun	79	67	60	53	66	70	66	62	66	65	53	60	56	53	73	61	58	64	66		68	57	54	58	72	59	60	62	63	64	63	56	58	60	62	65	63	60	60
19 Mon	77	67	63	56	63	67		62	65	63	55	63	65	62	75	64	62	66	67		68	57	55	59	73	60	59	63	59	64	65	57	59	59	62	67	63	60	60
20 Tue	--	67	60	55	63	68	--	61	66	64	51	57	52	52	75	63	60	65	67		70	56	55	59	73	61	60	63	60	65	65	57	59	59	62	62	63	59	61
21 Wed	--	69	63	59	66	69		63	66	65	60	65	64	61	76	69	69	69	70		70	67	63	66	75	65	70	70	65	66	66	64	66	62	65	64	64	62	61
22 Thu	--	72	66	63	68	71	67	64	67	64	62	67	65	62	78	70	69	70	71		73	68	64	68	79	61	72	73	68	70	68	67	68	64	68	66	68	66	65
23 Fri	--	71	64	62	66	70	62	59	61	59	64	69	59	64	76	69	68	69	69		71	64	64	68	76		68	68	64	67	66	65	64	63	65	65	65	62	63
24 Sat	--	73	--	61	69	71	66	65	65	64	61	65		62	77	67	64	69	71		72	65	60	64	--	62	65	67	64	69	68	62	65	63	67	64	67	64	64
25 Sun	--	68	--	57	65	69	63	60	62	60	54	61		55	72	61	58	64	65		67	58	55	59	--	59	62	63	58	65	64	59	60	59	63	61	63	61	61
26 Mon	--	68	--	58	65	69	65	62	66	63	56	61		58	74	68	67	67	68		68	64	63	65	--	69	68	68	64	65	64	63	63	61	63	65	62	61	59
27 Tue	--	69	--	59	67	71	67	66	69	68	59	62		59	76	68	68	68	69		71	66	61	67	--	71	70	70	66	68	67	65	66	62	67	68	66	64	65
28 Wed	--	70	--	59	66	70	68	66	69	69	59	63	58	59	74	63	61	66	68		70	61	57	62	--	64	64	67	63	67	65	60	63	60	66	67	66	62	62
29 Thu	--	70	--	58	66	70	67	64	68	68	57	62		61	74	63	61	65	67		70	60	57	62	--	63	63	66	62	67	65	60	63	63	66	66	66	62	61
30 Fri	--	71	--	59	67	70	65	62	65	63	58	62	61	60	77	65	64	68	69		73	62	59	64	--	64	65	68	64	69	66	61	65	61	67	64	67	63	63
31 Sat	--	71	--	59	66	70	63	58	61	62	57	61	62	60	75	64	65	67	68		71	62	58	64	--		63	66	66	70	65	60	63	61	67	62	69	64	65

* = Not Required for Title 21 Reporting



Runway Utilization Report
 Summary of Runway Use (Average)
 Los Angeles International Airport

Period : 10/01/2016 to 12/31/2016
 Airline : ALL
 Aircraft : ALL

Time Period	Percent Daily Operations Per Runway								Average Operations	Runway Complex		Runway Flow		In Board	Out Board
	06L	06R	07L	07R	24L	24R	25L	25R		South	North	West	East		
Departures															
Total Hours															
24 Hours	<1%	1%	1%	<1%	42%	<1%	6%	48%	931	56%	44%	97%	3%	93%	7%
CNEL Hours															
0700 - 1900	<1%	<1%	<1%	<1%	47%	<1%	3%	47%	633	52%	48%	98%	2%	96%	4%
1900 - 2200	0%	2%	2%	<1%	45%	<1%	4%	46%	112	52%	48%	96%	4%	95%	5%
2200 - 0700	<1%	2%	2%	2%	26%	<1%	18%	49%	185	71%	29%	94%	6%	80%	20%
Contra Hours															
Midnight - 0630	<1%	2%	3%	2%	17%	<1%	24%	52%	94	81%	19%	93%	7%	73%	27%
0630 - Midnight	<1%	1%	1%	<1%	45%	<1%	4%	47%	837	53%	47%	97%	3%	95%	5%
Arrivals															
Total Hours															
24 Hours	3%	<1%	<1%	2%	<1%	46%	49%	<1%	931	51%	49%	95%	5%	<1%	99%
CNEL Hours															
0700 - 1900	<1%	<1%	<1%	1%	<1%	48%	49%	<1%	628	51%	49%	98%	2%	<1%	99%
1900 - 2200	2%	0%	0%	2%	<1%	47%	49%	<1%	167	51%	49%	97%	3%	<1%	100%
2200 - 0700	15%	<1%	<1%	5%	<1%	34%	45%	<1%	136	50%	50%	79%	21%	1%	99%
Contra Hours															
Midnight - 0630	33%	<1%	<1%	8%	<1%	21%	35%	<1%	55	44%	56%	58%	42%	3%	97%
0630 - Midnight	1%	<1%	<1%	1%	<1%	47%	49%	<1%	877	51%	49%	97%	3%	<1%	99%

All values are rounded to the nearest whole number.

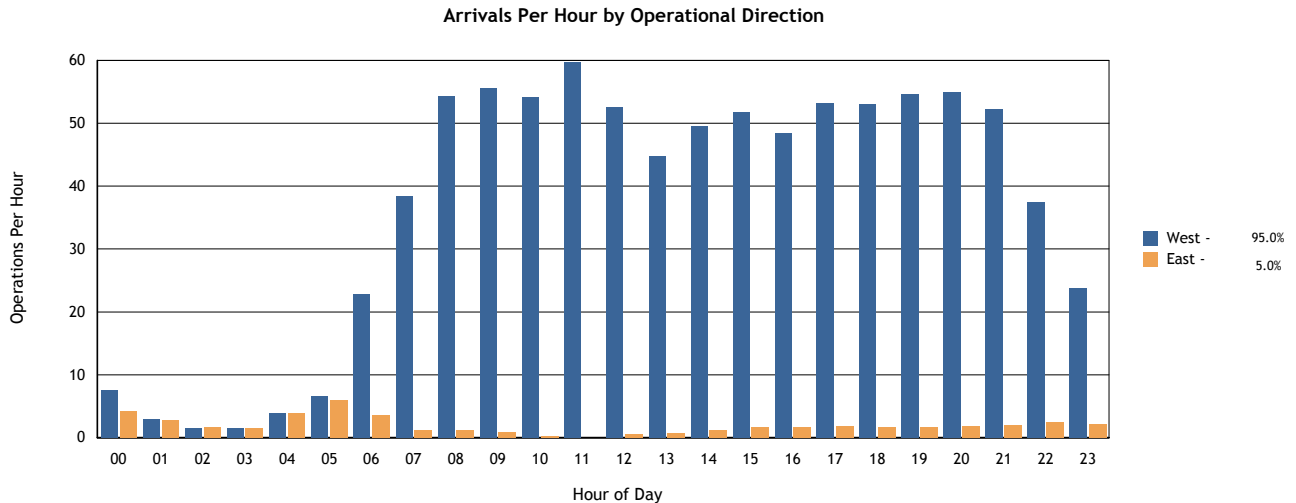
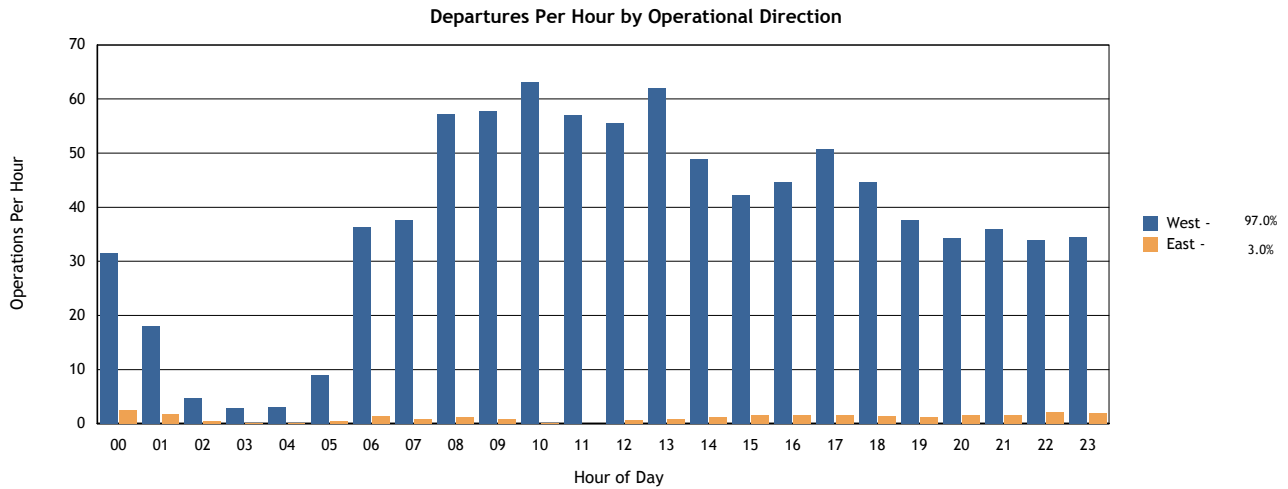


Runway Utilization Report
 Summary of Runway Flow (Average)
 Los Angeles International Airport

Period: 10/01/2016 to 12/31/2016
 Airline : ALL
 Aircraft : ALL

Time Period	Departures			Arrivals			Departures		Arrivals	
	West	East	Average	West	East	Average	West	East	West	East
Total Hours										
24 Hours	903	28	931	885	46	931	97%	3%	95%	5%
CNEL Hours										
0700-1900	621	12	633	616	12	628	98%	2%	98%	2%
1900-2200	108	4	112	162	5	167	96%	4%	97%	3%
2200-0700	174	11	185	108	28	136	94%	6%	79%	21%
Contra Hours										
Midnight - 0630	88	6	94	31	23	55	93%	7%	58%	42%
0630 - Midnight	815	21	837	854	23	877	97%	3%	97%	3%

All percentages are rounded to the nearest whole number.



Summary of Actions Taken by LAWA to Comply with the Specific Requirements Imposed by Conditions of the Current Noise Variance for Los Angeles International Airport

Fourth Quarter 2016

The Los Angeles World Airports (LAWA) continuously works to operate an airport that maintains the highest possible environmental quality of life for surrounding communities. To that end, LAWA continues to take the following actions:

- LAWA continues to implement its Aircraft Noise Mitigation Program (ANMP), designed to fund the mitigation of all incompatible land uses within the noise impact boundary as defined in the State Noise Standards. LAWA updates the ANMP report periodically to ensure that it reasonably represents the mitigation and funding programs that are in place.
- With each second quarter Quarterly Report, LAWA submits an annual update of the ANMP. This update includes the number of dwellings acoustically insulated, the cost of the program, the anticipated funding availability, and the anticipated completion date of the project.
- LAWA continues to monitor and enforce, as appropriate, all of its informal noise abatement procedures in place at LAX, including but not limited to the early turn program, preferential runway use procedures and over ocean operations procedures.
- LAWA continues to work with Federal Aviation Administration and pilots to improve compliance with its “no turns before the shoreline” policy.
- LAWA will conduct the design study for the proposed development of two Ground Run-up Enclosures within the five-year time frame.
- LAWA analyzed the implementation of the existing Preferential Runway Use Policy and submitted a report evaluating compliance and implementation of the policy, including recommendations for any possible improvements.

- LAWA continues to submit to the State of California Department of Transportation (CalTrans) and the County of Los Angeles the required Quarterly Reports. These reports depict the noise impact area, and report on the incompatible land uses along with the daily and annual CNEL values at each monitoring station.
- LAWA has not submitted “any proposed new or modified noise monitoring plan or system” to Caltrans during this Variance period and, therefore, has not needed to provide a copy to the County. The existing airport noise and operations monitoring system was certified by Caltrans in February 2010 and the County was provided with all submitted documentation at that time. The County continues to review and audit the data LAWA submits in each Quarterly Report.
- LAWA continues to include tabular data and graphical illustrations with each Quarterly Report describing and comparing the level and type of usage for each runway at LAX during the quarter.
- LAWA continues to monitor and enforce its maintenance run-up curfew (2300-0600). When applicable, LAWA will include with each Quarterly Report, information regarding monitoring and enforcement activities undertaken during the quarter. There were no enforcement actions reported during the third quarter 2016.
- LAWA continues to provide a live answered noise complaint hotline as appropriate. Unanswered calls are retrieved, lodged, and responded to in a timely manner.
- LAWA’s aircraft noise and operations monitoring system continues to measure noise levels for all operations at LAX, including the Airbus A380 and the Boeing 747-800. This data is currently available and was presented to the LAX/Community Noise Roundtable and the LAX Area Advisory Committee.