

# California State Airport Noise Standards Quarterly Report

Fourth Quarter 2018



**LAX**

*Los Angeles  
World Airports*

Los Angeles World Airports  
Los Angeles International Airport

February 15, 2019

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Noise contour map

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

Los Angeles International Airport  
Fourth Quarter 2018

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

**598.6 Acres**

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

**7,678**

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

**28,128**

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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: 2,747**

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

**174,879**

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

**160,008**

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

**100 %**

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

**4,374**

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

**126**

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# LOS ANGELES INTERNATIONAL AIRPORT

## Incompatible Land Use

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

<b>4Q18</b>	<b>Total Cumulative Noise Impact Areas - All Jurisdictions</b>											
	<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	296.5	2,076	2,122	7,617	65.3	435	441	1,870	4.7	21	21	106
Multi-Family	268.3	5,576	1,748	20,447	84.3	1,848	510	7,647	7.3	113	69	444
Mobile Home	1.0	1	3	3	0.0	0	0	0	0.0	0	0	0
Schools	8.2	0	29	0	3.0	0	17	0	0.0	0	0	0
Churches	24.0	25	55	62	2.4	0	2	0	0.0	0	0	0
Hospitals	0.6	0	2	0	0.0	0	0	0	0.0	0	0	0
<b>Total Incompatible</b>	<b>598.6</b>	<b>7,678</b>	<b>3,959</b>	<b>28,128</b>	<b>155.0</b>	<b>2,283</b>	<b>970</b>	<b>9,517</b>	<b>12.0</b>	<b>134</b>	<b>90</b>	<b>550</b>

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.

# LOS ANGELES INTERNATIONAL AIRPORT

## Incompatible Land Use

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

<b>4Q18</b>	<b>Total Cumulative Noise Impact Areas - Athens</b>											
	<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	32.6	240	255	841	0.0	0	0	0	0.0	0	0	0
Multi-Family	36.6	667	227	2,284	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	1.6	4	7	14	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
<b>Total Incompatible</b>	<b>70.8</b>	<b>911</b>	<b>489</b>	<b>3,139</b>	<b>0.0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0</b>	<b>0</b>

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: 02/15/2019

# LOS ANGELES INTERNATIONAL AIRPORT

## Incompatible Land Use

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

<b>4Q18</b>	<b>Total Cumulative Noise Impact Areas - Del Aire</b>											
	<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	2.4	13	13	34	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
<b>Total Incompatible</b>	<b>3.1</b>	<b>25</b>	<b>16</b>	<b>56</b>	<b>0.0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0</b>	<b>0</b>

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: 02/15/2019

# LOS ANGELES INTERNATIONAL AIRPORT

## Incompatible Land Use

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

<b>4Q18</b>	<b>Total Cumulative Noise Impact Areas - City of El Segundo</b>											
	<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	80.3	531	535	1,383	15.3	94	94	245	0.0	0	0	0
Multi-Family	24.3	638	278	1,401	7.3	225	99	500	1.0	50	50	108
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	0.0	0	0	0	0.0	0	0	0
Hospitals	0.0	0	0	0	0.0	0	0	0	0.0	0	0	0
<b>Total Incompatible</b>	<b>105.7</b>	<b>1,170</b>	<b>816</b>	<b>2,786</b>	<b>22.6</b>	<b>319</b>	<b>193</b>	<b>744</b>	<b>1.0</b>	<b>50</b>	<b>50</b>	<b>108</b>

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: 02/15/2019

# LOS ANGELES INTERNATIONAL AIRPORT

## Incompatible Land Use

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

<b>4Q18</b>	<b>Total Cumulative Noise Impact Areas - City of Inglewood</b>											
	<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	88.1	610	628	2,314	9.7	66	69	300	0.0	0	0	0
Multi-Family	127.8	2,865	754	10,601	40.2	1,100	202	4,617	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	14.0	12	25	24	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
<b>Total Incompatible</b>	<b>233.2</b>	<b>3,487</b>	<b>1,413</b>	<b>12,940</b>	<b>52.0</b>	<b>1,166</b>	<b>272</b>	<b>4,916</b>	<b>0.0</b>	<b>0</b>	<b>0</b>	<b>0</b>

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: 02/15/2019



# LOS ANGELES INTERNATIONAL AIRPORT

## Incompatible Land Use

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

<b>4Q18</b>	<b>Total Cumulative Noise Impact Areas - Lennox</b>											
	<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	62.6	433	438	2,084	40.3	275	278	1,325	4.7	21	21	106
Multi-Family	57.4	872	341	4,109	36.7	523	209	2,530	6.3	63	19	336
Mobile Home	0.0	0	0	0	0.0	0	0	0	0.0	0	0	0
Schools	5.2	0	25	0	3.0	0	17	0	0.0	0	0	0
Churches	1.6	1	3	4	0.3	0	1	0	0.0	0	0	0
Hospitals	0.0	0	0	0	0.0	0	0	0	0.0	0	0	0
<b>Total Incompatible</b>	<b>126.8</b>	<b>1,306</b>	<b>807</b>	<b>6,197</b>	<b>80.3</b>	<b>798</b>	<b>505</b>	<b>3,856</b>	<b>11.0</b>	<b>84</b>	<b>40</b>	<b>442</b>

Note: Parcels and dwelling units may not match for single family land uses due to subdivision.  
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Report Date: 02/15/2019

# LOS ANGELES INTERNATIONAL AIRPORT

## Incompatible Land Use

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

<b>4Q18</b>	<b>Total Cumulative Noise Impact Areas - South and South East LA</b>											
	<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	30.6	249	253	961	0.0	0	0	0	0.0	0	0	0
Multi-Family	21.5	522	145	2,030	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	0.9	0	2	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
<b>Total Incompatible</b>	<b>57.2</b>	<b>776</b>	<b>415</b>	<b>3,005</b>	<b>0.0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0</b>	<b>0</b>

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: 02/15/2019

# LOS ANGELES INTERNATIONAL AIRPORT

## Incompatible Land Use

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

<b>4Q18</b>	<b>Total Cumulative Noise Impact Areas - Westchester/Playa Del Rey</b>											
	<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	0.0	0	0	0	0.0	0	0	0	0.0	0	0	0
Multi-Family	0.0	0	0	0	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	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
<b>Total Incompatible</b>	<b>1.9</b>	<b>3</b>	<b>3</b>	<b>5</b>	<b>0.0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0</b>	<b>0</b>

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Report Date: 02/15/2019

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 Mon	79	68	63	59	65	68	63	62	63	54	57	63	63	60	74	--	60	66	66		69	59	56	60	74	61	61	65	60	65	64	58	61	59	63	60	63	58	61
2 Tue	79	68	62	57	65	69	63	59	59	50	55	61	58	55	74		59	66	67		69	57	56	60	73	61	60	64	59	65	64	58	61	59	63	62	63	59	61
3 Wed	80	69	63	58	65	69	62	58	59	47	56	62	60	58	72	62	60	66	66		69	57	56	60	74	60	60	64	61	65	64	59	61	59	64	61	64	60	60
4 Thu	79	69	63	58	65	69	63	58	61	56	56	61	61	58	--	64	61	67	67		70	60	59	61	75	63	62	65	61	66	65	59	62	59	66	62	65	60	61
5 Fri	79	70	64	58	66	69	63	58	59	50	57	62	61	59	75	64	61	67	68		71	61	58	62	75	62	63	66	62	67	66	59	63	60	66	61	66	61	62
6 Sat	80	68	62	56	65	68	61	57	57	48	55	60	57	53	73	63	61	65	66		71	57	56	60	73	60	61	64	59	66	64	57	60	58	64	59	60	61	61
7 Sun	79	68	62	56	65	68	62	57	58	49	56	63	63	60	74	63	60	66	67		69	58	57	59	72	60	62	64	59	65	65	58	61	60	64	61	66	61	62
8 Mon	80	69	64	58	64	68	61	56	58	51	56	63	60	58	74	63	60	66	67		69	57	57	60	73	61	60	64	60	66	65	58	61	59	64	62	64	60	62
9 Tue	80	69	63	57	66	69	62	58	58	49	55	62	62	59	74	63	60	66	67		70	57	57	60	73	61	60	64	60	66	65	58	61	60	64	61	65	59	63
10 Wed	80	68	63	58	66	69	62	59	59	49	55	61	59	56	74	63	60	66	67		70	59	57	61	74	62	61	65	61	66	65	59	62	60	65	62	65	60	62
11 Thu	79	69	63	58	65	69	63	58	61	54	56	60	58	58	74	63	60	66	66		70	58	57	61	74	61	60	64	60	66	64	58	61	60	65	64	64	60	60
12 Fri	80	68	63	57	66	69	63	63	61	59	56	61	62	63	75	64	62	67	68		70	60	58	64	74	62	61	66	62	66	65	59	62	60	66	61	65	61	63
13 Sat	79	70	64	57	66	69	62	58	59	52	55	61	61	59	75	64	62	66	67		71	62	57	62	76	63	63	67	62	68	65	63	65	60	66	60	66	65	62
14 Sun	78	69	63	56	65	68	61	57	58	50	55	60	58	58	74	63	60	66	66		70	57	57	60	74	61	60	64	60	66	65	58	61	60	64	59	64	62	60
15 Mon	78	62	59	52	65	68	63	62	64	61	50	62	57	54	67	64	63	60	60		67	63	56	62	71	69	66	66	60	60	53	59	62	50	60	58	56	56	54
16 Tue	75	66	60	55	63	67	63	60	64	64	54	61	61	55	73	63	64	68	66		70	62	57	63	75	71	67	67	62	66	63	59	64	57	64	--	63	60	60
17 Wed	80	67	62	59	66	68	64	63	64	62	56	63	63	60	73	62	59	65	66		69	57	55	66	72	61	60	64	59	64	63	56	60	58	63	--	63	59	59
18 Thu	80	67	62	57	65	68	65	63	66	65	58	65	63	61	74	63	60	66	66		69	57	57	60	73	61	61	64	60	65	66	59	60	59	63		62	59	61
19 Fri	79	66	61	56	64	--	65	62	66	65	59	65	67	62	73	63	60	67	66		68	57	55	63	72	60	60	63	59	64	63	56	59	59	64	65	63	60	61
20 Sat	78	65	59	54	64	--	62	59	64	63	58	62	62	56	72	61	59	64	65		69	57	54	60	73	60	60	64	60	65	63	58	61	57	64	64	63	59	59
21 Sun	79	69	63	57	65	--	61	57	58	43	57	62	61	61	74	63	60	66	67		69	58	57	60	73	60	60	64	60	65	65	58	61	59	64	62	63	60	61
22 Mon	80	68	64	57	65	66	62	59	59	46	55	61	59	55	73	63	60	66	66		70	58	56	61	74	61	61	65	61	66	64	59	62	59	64	64	64	60	61
23 Tue	79	69	62	57	65	68	61	57	58	51	57	64	61	58	74	63	61	67	67		71	60	57	63	76	63	63	67	63	68	65	59	63	59	66	62	67	62	62
24 Wed	80	69	62	58	65	69	62	58	59	48	58	64	61	58	73	62	59	66	66		70	58	56	62	74	62	61	65	60	67	64	58	62	58	64	60	64	62	60
25 Thu	79	69	63	58	65	68	61	58	58	49	56	62	63	--	74	63		67	67		71	60	57	63	76	62	63	67	63	67	65	59	64	59	65	62	66	62	61
26 Fri	78	70	64	59	65	67	62	61	60	55	60	64	66	--	75	64	--	67	68		72	61	57	64	77	63	64	67	58	68	65	59	64	59	66	62	66	63	61
27 Sat	78	68	62	57	63	66	59	58	56	52	58	62	60	--	74	63	--	67	68		70	59	56	61	75	61	63	66		67	65	59	62	58	64	62	65	62	61
28 Sun	79	69	63	57	63	67	60	57	58	57	56	60	61	--	74	62	--	66	66		69	57	56	60	74	60	60	64		66	66	57	61	59	64	59	64	60	62
29 Mon	79	68	64	58	65	67	61	63	59	52	56	64	63		74	63	--	66	67		69	58	57	60	73	60	59	64	59	66	65	58	61	59	64	63	64	60	62
30 Tue	79	70	63	58	66	68	62	58	57	49	58	64	63		75	64	--	67	68		72	59	58	66	74	64	61	65	61	67	66	60	62	60	65	63	65	62	63
31 Wed	79	67	62	57	65	68	63	61	62	56	58	65	64		74	63	59	67	67		69	57	57	61	73	61	60	64	60	65	65	60	61	59	63	62	63	61	60

\* = 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	LNK1	LNK2	LNK3	LNK4	ATH1*	ATH2	SLA1	SLA2*	SLA3	SLA4*	SLA5	SLA6*	SLA7	SLA8*	SLA9*
1 Thu		68	62	57	66	69	65	63	66	63	60	66	65	--	74	64	60	65	67		69	59	56	60	74	61	61	65	60	66	64	58	61	58	64	63	64	59	61
2 Fri		68	62	57	66	69	65	65	64	61	59	65	66	--	73	63	60	65	66		71	59	56	62	74	60	62	64	59	65	64	56	61	58	64	62	64	61	62
3 Sat		68	61	57	65	68	63	60	63	60	57	63	62	--	72	60	61	63	64		69	57	53	60	73	60	60	64	59	64	62	56	62	57	63	62	64	60	58
4 Sun		69	63	58	65	68	64	63	64	59	59	65	64	--	74	64	60	66	67		70	59	57	61	75	61	61	66	61	67	65	59	63	59	65	61	64	60	61
5 Mon		69	64	59	64	68	61	57	58	47	56	63	61	--	74	63	62	67	68		70	58	57	63	74	63	60	65	61	66	66	60	62	60	64	63	65	60	63
6 Tue		69	63	58	65	68	61	59	59	49	56	63	62	--	74	63	61	66	68		71	59	57	64	75	64	61	66	62	67	65	60	63	60	65	64	66	61	62
7 Wed		69	63	59	65	68	62	58	59	48	56	60	59	--	74	64	60	66	67		69	57	58	61	73	60	59	64	61	65	65	59	62	61	64	63	64	59	63
8 Thu		67	61	56	64	67	63	59	63	58	55	59	57	--	73	61	60	67	66		68	58	56	60	73	60	61	63	59	64	64	58	61	59	63	63	63	59	60
9 Fri		64	56	50	61	65	61	56	62	62	53	59	60	--	71	59	56	62	63		67	53	47	57	70	54	61	59	56	64	60	50	56	51	62	63	59	59	58
10 Sat		66	59	54	61	65	61	57	61	59	55	62	62	--	72	61	59	63	64		68	57	52	59	73	59	59	64	59	64	63	54	61	54	62	63	62	60	57
11 Sun		69	63	58	63	67	63	59	64	60	60	66	66	--	73	64	61	66	66		69	58	56	61	75	60	61	65	60	65	66	57	63	58	65	64	64	61	60
12 Mon		65	60	56	61	64	59	53	60	61	53	60	62	--	72	61	58	63	64		67	54	52	58	71	57	57	61	56	63	61	53	57	56	61	63	61	56	59
13 Tue		65	59	55	62	65	60	56	61	61	59	64	65	--	72	62	57	63	64		68	54	51	58	72	58	58	62	57	62	61	53	59	54	64	64	61	56	57
14 Wed		65	59	55	62	66	63	61	64	60	55	62	61	--	72	61	59	63	64		67	54	52	58	72	58	58	62	56	61	61	53	58	55	63	62	60	60	57
15 Thu		67	61	56	64	67	64	63	65	65	57	64	63	--	74	63	61	66	67		70	58	56	62	73	62	60	64	62	65	64	57	63	57	66	66	63	58	60
16 Fri		69	64	59	65	68	65	63	64	55	60	66	65	--	75	64	61	67	68		72	60	58	63	77	62	63	67	63	67	66	60	64	60	67	67	66	63	62
17 Sat		70	64	59	64	68	62	58	59	44	57	63	62	--	75	64	61	67	68		70	58	59	64	73	64	60	65	61	67	66	60	62	61	67	62	65	61	62
18 Sun		70	63	58	64	67	61	57	58	48	58	64	66	--	74	64	61	67	67		70	57	57	63	73	63	60	64	61	67	65	60	61	60	66	62	65	60	61
19 Mon		69	65	60	64	68	64	61	64	59	59	66	64	--	73	62	60	65	66		70	59	56	61	75	60	61	66	61	66	64	59	62	59	66	--	65	61	60
20 Tue		70	64	58	65	69	65	62	66	62	61	66	67	--	75	64	61	67	68		71	60	58	63	76	61	63	67	63	67	66	60	63	60	66	--	66	64	62
21 Wed	80	70	64	61	65	68	63	60	60	53	59	65	62	--	74	62	60	66	68		71	59	57	62	75	60	61	66	62	66	65	59	62	60	65	--	65	61	61
22 Thu	80	68	63	57		68	63	59	61	51	57	63	59	--	73	62	59	65	66		69	58	56	61	74	59	61	65	62	65	64	57	62	59	65	--	64	60	61
23 Fri	80	68	63	58	--	68	63	60	65	56	58	64	61	--	72	61	59	64	65		69	57	55	61	73	59	59	64	60	68	63	58	61	58	64	--	63	59	59
24 Sat	79	69	63	58	--	68	62	58	60	51	60	66	64	--	73	62	59	66	66		69	59	57	60	73	59	61	64	60	66	65	60	63	59	65	--	64	58	61
25 Sun	79	69	64	58	--	68	64	62	64	57	59	66	62	--	75	63	60	67	67		69	58	57	60	74	60	61	65	61	66	66	59	63	60	65	--	64	60	62
26 Mon	78	67	63	57	62	67	63	60	65	65	54	62	60	--	74	62		66	67		68	57	56	60	72	60	59	63	61	65	65	58	60	60	64	--	63	59	62
27 Tue	78	69	63	58	64	68	64	60	65	65	57	63	64	--	75	63	--	66	67		70	58	56	61	74	62	60	65	61	65	65	58	61	60	65	--	64	61	61
28 Wed	80	70	65	60	65	68	60	57	58	51	60	65	63	60	75	64	--	67	68		71	58	59	63	74		61	65	62	67	66	61	63	61	65		66	61	63
29 Thu	78	71	66	60	67	69	63	60	60	58	60	64	64	61	76	65		68	69		73	62	60	63	78		65	68	65	68	67	61	66	61	67	63	67	63	66
30 Fri	79	69	63	57	66	69	64	62	64	62	58	61	61	58	75	63	61	67	68		72	62	58	66	77	62	64	68	64	68	66	61	65	61	67	64	67	63	63

\* = 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	LNK1	LNK2	LNK3	LNK4	ATH1*	ATH2	SLA1	SLA2*	SLA3	SLA4*	SLA5	SLA6*	SLA7	SLA8*	SLA9*
1 Sat	78	68	62	55	66	68	64	61	64	64	54	57	57	51	74	62	60	66	67		70	61	58	63	75	62	62	66	63	67	65	60	64	60	66	64	67	63	66
2 Sun	78	68	62	55	65	68	63	61	64	62	53	57	54	51	74	63	60	66	67		70	59	57	62	75	61	62	66	63	67	66	59	64	60	66	62	66	63	63
3 Mon	79	68	64	60	65	68	64	61	64	63	59	64	59	55	72	61	58	64	66		68	57	55	60	72	61	59	63	60	65	64	57	61	59	64	63	63	59	60
4 Tue	78	68	63	59	64	67	63	61	63	60	59	64	59	61	72	61	62	64	66		70	59	55	62	75	60	61	66	62	67	63	57	63	58	66	63	65	62	61
5 Wed	77	68	64	61	64	67	61	58	61	64	59	63	63	60	72	69	68	67	66		69	67	64	67	74		70	70	64	63	62	64	66	60	63	66	60	60	55
6 Thu	76	67	62		67	69	65	63	65	66	57	61	63	61	71	70	70	69	68		73	71	66	69	77		73	73		67	63	65	69	62	67	66	63	63	57
7 Fri	77	68	62	58	67	69	66	64	67	66	56	60	57	54	--	64	67	66	68		73	66	59	68	77	61	70	71	--	69	65	65	68	61	68	67	67	65	63
8 Sat	79	68	62	56	65	69	64	63	66	64	55	61	61	57	--	61	59	65	66		68	59	56	61	74	62	61	64	--	65	64	59	61	59	64	64	63	60	66
9 Sun	79	69	63	56	66	70	65	62	66	64	55	61	59	51	--	62	61	66	67		69	58	58	61	74	60	61	66		66	65	59	63	60	65	65	65	62	65
10 Mon	79	68	63	61	65	69	64	61	64	65	58	64	64	61		62	60	65	66		69	58	56	60	73		61	64		66	64	58	61	59	64	64	65	60	61
11 Tue	80	69	64	59	65	69	63	60	62	58	60	65	64	60	73	62	60	65	67		70	58	56	62	74	62	61	65		66	64	59	62	59	65	64	65	61	61
12 Wed	80	69	63	60	65	69	63	62	61	54	59	64	61	55	74	63	61	67	67		70	58	58	62	74	60	60	65	--	66	66	61	64	60	65	64	65	61	62
13 Thu	80	68	63	60	65	69	65	62	67	66	60	64	62	58	73	61	59	65	65		69	57	57	60	73	59	59	64		66	64	58	61	58	66	65	64	60	57
14 Fri	80	68	62	58	65	69	66	64	66	63	57	63	62	58	73	61	60	64	66		68	59	57	60	73	56	60	63	59	64	63	57	60	59	64	61	63	59	
15 Sat	78	68	62	57	64	67	62	58	61	60	57	62	66	61	73	62	60	64	65		70	60	54	61	76	62	63	66		66	62	58	63	57	65	63	65	61	
16 Sun	78	70	64	58	65	68	63	59	62	57	58	65	67	64	74	63	61	66	67		71	60	57	62	76	62	63	67	--	67	65	59	63	59	66	64	66	62	
17 Mon	79	69	64	59	66	68	63	59	61	50	56	63	63	60	74	63	60	66	67		70	58	57	61	74	61	61	65	--	66	65	59	63	59	64	60	64	61	
18 Tue	80	69	63	59	66	69	63	59	60	56	58	62	65	62	73	63	60	66	67		70	59	56	61	75	61	62	66	--	66	64	58	62	59	66	63	65	62	59
19 Wed	80	69	64	60	66	69	65	63	65	64	59	63	63	59	73	63	63	66	67		70	59	56	61	74	62	62	65		66	64	58	63	60	66	63	65	61	62
20 Thu	79	70	64	60	65	68	63	61	62	64	60	66	66	62	74	63	60	67	68		70	59	58	62	74	61	63	65	61	66	65	59	63	60	65	65	65	60	60
21 Fri	80	70	64	58	66	69	64	61	61	57	59	66	66	64	74	63	--	66	67		71	60	57	62	74	61	64	65	61	66	65	61	62	60	65	65	65	61	61
22 Sat	79	70	64	59	65	68	63	60	61	54	59	66	65	61	75	64	--	67	68		72	61	59	63	76	62	63	67	63	68	66	61	64	61	67	64	67	63	63
23 Sun	79	70	64	58	64	68	62	57	60	55	57	62	62	60	75	64	--	67	68		71	59	58	62	76	61	62	66	62	67	66	59	63	61	67	61	65	62	62
24 Mon	78	69	63	58	64	67	61	58	59	54	55	61	59	55	75	63	60	66	67		69	58	56	61	74	65	61	64	61	66	66	59	62	59	64	62	65	60	62
25 Tue	77	68	61	55	66	68	64	60	62	62	54	57	56	52	73	62	60	65	66		69	58	57	61	74	61	61	65	61	69	64	59	63	59	65	61	65	60	69
26 Wed	79	70	64	59	66	69	64	62	64	62	60	65	64	60	76	64	62	68	69		71	59	60	64	74	64	62	66	62	67	67	62	64	62	67	67	65	62	63
27 Thu	80	69	63	59	67	70	66	64	66	65	59	64	63	55	74	63	61	66	68		69	59	57	61	73	62	60	64	60	65	65	59	63	61	64	64	64	60	61
28 Fri	77	68	61	54	64	67	64	61	64	61	52	59	61	54	74	62		66	67		70	57	56	61	75	59	60	65	61	66	64	58	62	61	65	64	64	61	62
29 Sat	77	67	61	57	63	67	62	58	62	61	56	62	63	57	74	62	--	66	68		69	59	57	61	73	60	62	63	60	65	64	57	60	59	64	63	63	61	61
30 Sun	78	70	64	60	64	68	63	59	63	63	61	67	62	55	74	63	--	66	67		70	58	58	62	73	60	60	65	61	66	66	59	62	60	66	66	64	61	62
31 Mon	79	66	63	58	65	68	63	59	63	59	57	63	58	55	72	61	--	65	65		68	59	55	59	72	64	58	62		65	64	58	59	59	65	65	63	60	61

\* = Not Required for Title 21 Reporting



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

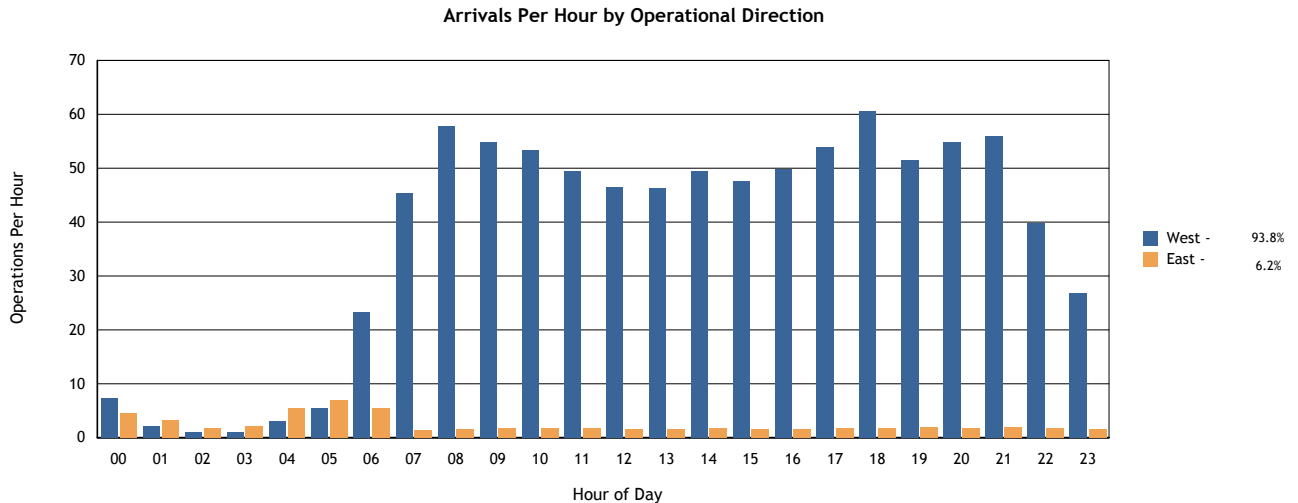
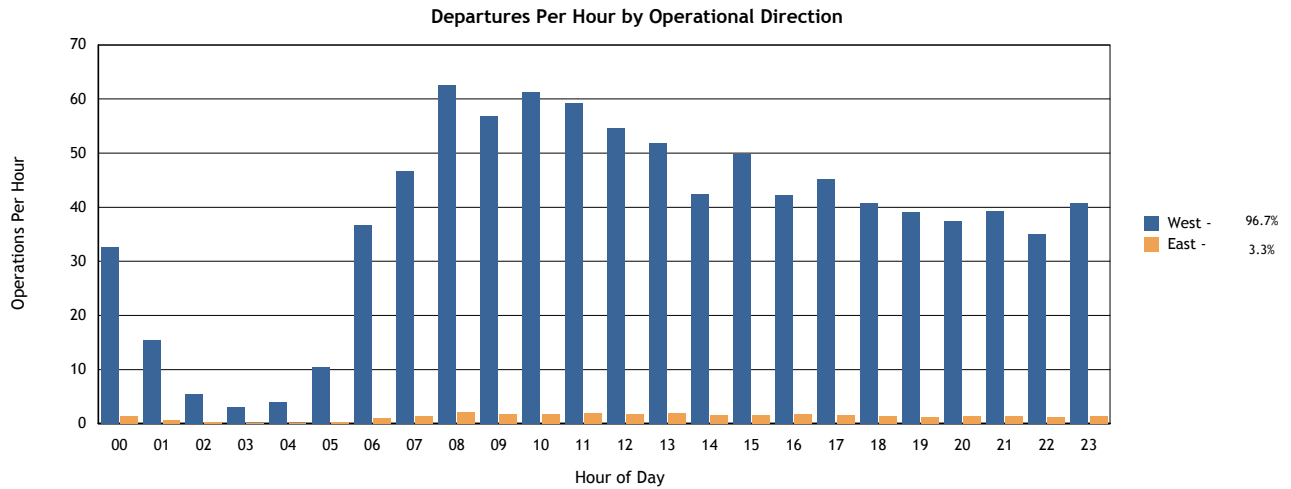
Period : 10/01/2018 to 12/31/2018  
 Airline : ALL  
 Aircraft : ALL

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		
<b>Departures</b>															
<b>Total Hours</b>															
24 Hours	0%	1%	2%	<1%	44%	<1%	2%	51%	944	55%	45%	97%	3%	97%	3%
<b>CNEL Hours</b>															
0700 - 1900	0%	1%	2%	<1%	48%	<1%	2%	46%	634	50%	50%	97%	3%	98%	2%
1900 - 2200	0%	1%	2%	<1%	46%	<1%	2%	48%	120	52%	48%	97%	3%	97%	3%
2200 - 0700	0%	<1%	3%	<1%	26%	<1%	3%	68%	190	73%	27%	97%	3%	97%	3%
<b>Contra Hours</b>															
Midnight - 0630	0%	<1%	3%	<1%	14%	<1%	3%	79%	95	85%	15%	97%	3%	96%	4%
0630 - Midnight	0%	1%	2%	<1%	47%	<1%	2%	48%	850	52%	48%	97%	3%	98%	2%
<b>Arrivals</b>															
<b>Total Hours</b>															
24 Hours	2%	3%	<1%	2%	<1%	45%	47%	1%	945	50%	50%	94%	6%	4%	96%
<b>CNEL Hours</b>															
0700 - 1900	2%	<1%	<1%	2%	<1%	48%	48%	<1%	635	50%	50%	97%	3%	1%	99%
1900 - 2200	2%	<1%	<1%	2%	<1%	47%	48%	1%	168	51%	49%	97%	3%	2%	98%
2200 - 0700	2%	18%	<1%	3%	<1%	31%	44%	2%	142	50%	50%	77%	23%	20%	80%
<b>Contra Hours</b>															
Midnight - 0630	2%	46%	<1%	5%	<1%	12%	29%	4%	54	39%	61%	47%	53%	52%	48%
0630 - Midnight	2%	<1%	<1%	2%	<1%	47%	48%	<1%	892	51%	49%	97%	3%	1%	99%

All values are rounded to the nearest whole number.

Time Period	Departures			Arrivals			Departures		Arrivals	
	West	East	Average	West	East	Average	West	East	West	East
<b>Total Hours</b>										
24 Hours	914	31	944	887	58	945	97%	3%	94%	6%
<b>CNEL Hours</b>										
0700-1900	614	21	634	615	20	635	97%	3%	97%	3%
1900-2200	116	4	120	162	6	168	97%	3%	97%	3%
2200-0700	184	6	190	110	33	142	97%	3%	77%	23%
<b>Contra Hours</b>										
Midnight - 0630	92	3	95	25	29	54	97%	3%	47%	53%
0630 - Midnight	822	28	850	862	30	892	97%	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 2018

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 completed the Siting Study and is evaluating the design study for the proposed development of two Ground Run-up Enclosures.
- 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 fourth quarter 2018.
- LAWA shall take reasonable steps to ensure that the Airport’s noise complaint hotline has the capability of providing a live answer as appropriate, and shall ensure that any complaints left as voicemail messages are retrieved, entered into the Noise Complaint System, and responded to appropriately 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.