

Quarterly Noise Report

For:
California Department of Transportation

3rd Quarter 2018
July 1, 2018 – September 30, 2018



SAN DIEGO
INTERNATIONAL AIRPORT

LET'S **GO.**

Airport Noise Mitigation

November 9, 2018



**Quarterly Noise Report
For the Period
July 1, 2018 through September 30, 2018**

The California Department of Transportation, Division of Aeronautics, granted a Variance from the requirements of Section 5012, Chapter 2.5, Subchapter 6, Title 21, of the California Administrative Code to the San Diego County Regional Airport Authority for the operation of San Diego International Airport on May 8th, 2012.

This Quarterly Report for the 3rd Quarter of 2018 was prepared by Airport Noise Mitigation at San Diego International Airport, in accordance with the Airport Noise Standards, State of California.

A handwritten signature in blue ink, appearing to read "B. Reed", is written over a horizontal line.

Brendan Reed
Director of Planning & Environmental Affairs

A handwritten signature in blue ink, appearing to read "Kimberly Becker", is written over a horizontal line.

Kimberly Becker
President / CEO

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Summary of Statistical Information for the California Department of Transportation

1. Size of Noise Impact Area as defined in the Noise Standards (California Code of Regulations, Title 21, Chapter 2.5, Subchapter 6):
Noise Impact Area = 0.792 sq. miles; Military Noise Impact Area = 0.149 sq. miles

2. Estimated number of dwelling units included in the Noise Impact Area as defined in the Noise Standards:
10,812* (QHP Insulated = 3,681)

3. Estimated number of people residing within the Noise Impact Area as defined in the Noise Standards:
21,560* (QHP Insulated = 9,203)

4. Identification of the aircraft type having the highest takeoff noise level operating at SDIA, together with the estimated number of operations by this aircraft type during the calendar quarter reporting period:
Airbus A340-300: 176

5. Total number of aircraft operations during the calendar quarter:
59,744

6. Number of Air Carrier operations by aircraft certified under Federal Aviation Regulations (FAR) Part 36:
53,371

7. Percentage of Air Carrier operations by aircraft certificated under FAR Part 36, Stage III:
100%

8. Estimated number of operations by Air Taxi aircraft during the calendar quarter:
3,239

9. Estimated number of operations by General Aviation aircraft during the calendar quarter:
2,932

10. Estimated number of operations by Military aircraft during the calendar quarter:
202

Form DOA 617, 10/89

* Population and dwelling unit calculations are based upon 2010 Census Block Boundary Data.

Aircraft Noise Measurements

Using data generated from the Airport Noise and Operations Monitoring System (ANOMS) and Geographic Information System (GIS), Airport Noise Mitigation determined that the Noise Impact Area (N.I.A.) and the Federal Military Impact Area (M.I.A.) within the 65 dB Community Noise Equivalent Level (CNEL) contour for the period between October 1, 2017 to September 30, 2018 to be 0.792 square miles (506.9 acres) and 0.149 square miles (95.4 acres), respectively. As compared to the period between October 1, 2016 to September 30, 2017, the Noise Impact Area increased by 0.050 square miles and the Federal Military Noise Impact Area decreased by 0.043 square miles.

Table 1

Change in N.I.A. and M.I.A.

Impact Area	October 1, 2017 to September 30, 2018	October 1, 2016 to September 30, 2017	Change
N.I.A.	0.792	0.742	0.050
M.I.A.	0.149	0.106	0.043

A summary of the quarterly and annual CNEL data is shown on the following page within Table 2. Appendix A: Aircraft Noise Monitoring System contains Remote Monitoring Terminals (RMTs) thresholds and Daily/Monthly CNEL Logs.

The contours were prepared using Harris Miller Miller & Hanson Inc.'s (HMMH) RealContours (RC) for AEDT software. This is the third quarter that the latest version of the FAA's Aviation Environmental Design Tool (AEDT) was utilized instead of FAA's Integrated Noise Model (INM), which is no longer supported by the FAA. AEDT is a state of the art software system that models aircraft performance in space and time to estimate fuel consumption, emissions, noise, and air quality consequences.

The N.I.A. & M.I.A. were determined using GIS analysis. Use of GIS technology allowed direct counting of individual parcels within the N.I.A. The modeling methodology fulfills the requirements of the State of California, Title 21, California Noise Standards. A review of measured and modeled noise levels indicate good agreement between several key measurement locations.

Additionally, the 65 dB Community Noise Equivalent Level (CNEL) contours for the period between October 1, 2017 to September 30, 2018 compared to the period between October 1, 2016 to September 30, 2017 accompanies this report as an attachment.

Table 2

Quarterly and Annual CNEL Data

RMT #	Annual CNEL (dB)¹	Quarter CNEL (dB)²
1	69.9	68.8
2	66.9	66.1
3	68.7	63.5
4	65.7	65.4
6	69.7	68.8
7	75.9	75.4
9	69.5	66.8
10	63.9	62.5
11	71.9	71.5
12	62.7	61.3
13	67.4	65.8
14	65.7	64.8
16	64.8	64.4
17	65.8	65.0
18	62.2	59.6
19	63.5	62.9
20	61.9	61.0
21	59.2	57.2
22	64.7	64.5
23	64.3	63.5
24	64.7	64.3
25	62.5	61.5
26	63.9	63.5

¹ = For the period October 1, 2017 through September 30, 2018

² = For the period July 1, 2018 through September 30, 2018

Note 1: RMTs #5, #8 and #15 are no longer operational since the noise impact boundary has decreased in size.

Aircraft Operations

Air Traffic Control Tower Operations Counts

The following table contains statistics of aircraft operations based upon the Federal Aviation Administration (FAA) Air Traffic Control Tower (ATCT) counts at San Diego International Airport (SAN).

Table 3

SAN ATCT Counts

Operations	3rd Quarter 2018	3rd Quarter 2017	Increase / Decrease	Percent Change
Air Carrier	53,371	50,604	3,298	6.52%
Air Taxi	3,239	2,864	639	22.31%
General Aviation	2,932	2,619	35	1.34%
Military	202	176	10	5.68%
Total	59,744	56,263	3,982	7.08%

Data from <http://aspm.faa.gov/opsnet/sys/Airport.asp>

Quarterly Operations Survey Report

The Quarterly Operations Survey Report for San Diego International Airport (SDIA) encompasses the 3rd Quarter of 2018. The data used to compile this report was gathered during 24-hour periods on August 14-16, 2018.

The average Single Event Noise Exposure Level (SENEL) of the loudest 25% of the 3rd Quarter 2018 Operations Survey is as follows:

Table 4

Single Event Noise Exposure Level (SENEL) Comparison

	August 14-16, 2018	August 15-17, 2017	Change (dB)
Departures	99.9	100.5	-0.6
Arrivals	93.4	94.1	-0.7

Table 5**Quarterly Operations Survey - Arrivals (RMT #1 from August 14-16, 2018)**

The Arrivals survey identifies the loudest 25% of the aircraft arriving at SDIA, as measured at Remote Monitoring Terminal (RMT) #1, which is located approximately one (1.0) mile from the arrival end of Runway 27. During the 3rd Quarter 2018 Operations Survey, an average of 303 daily air carrier arrival operations were conducted. Therefore, the loudest 25% of these arrivals totaled approximately 76. These commercial service jet aircraft are listed by Aircraft Type, Single Event Noise Exposure Level (SENEL), Airport Origin, Flight Number and Date/Time.

Aircraft Type	SENEL (dB)	Arriving From	Flight Number	Date and Time
E75L*	98.2	SEA	CPZ5795*	8/14/2018 9:45 PM
B752	96.7	DAL	DAL1567	8/15/2018 4:20 PM
B763	96.0	MEM	FDX906	8/14/2018 4:58 PM
B763	96.0	SDF	UPS2922	8/15/2018 5:38 PM
B763	95.5	SDF	UPS922	8/14/2018 4:47 AM
B763	95.1	IND	FDX1754	8/14/2018 5:10 AM
B762	95.0	PHX	GTI505	8/15/2018 8:09 AM
B763	95.0	MEM	FDX906	8/16/2018 5:06 PM
B763	95.0	SDF	UPS2922	8/16/2018 5:37 PM
B763	94.9	IND	FDX1754	8/15/2018 5:20 AM
B77W	94.7	LHR	BAW44N	8/14/2018 6:37 PM
B734	94.4	IWA	RPN418	8/16/2018 8:49 AM
B77W	94.3	LHR	BAW44N	8/15/2018 6:35 PM
B763	94.2	MEM	FDX906	8/15/2018 5:36 PM
B762	94.2	PHX	GTI505	8/16/2018 8:06 AM
B763	94.1	MEM	FDX1422	8/15/2018 5:16 AM
B763	94.0	MEM	FDX1422	8/14/2018 5:31 AM
B763	93.9	OGG	HAL38	8/15/2018 8:56 PM
B763	93.8	SDF	UPS922	8/15/2018 4:48 AM
B753	93.7	ATL	DAL1692	8/16/2018 9:24 AM
B77W	93.6	LHR	BAW44N	8/16/2018 7:18 PM
B763	93.5	OGG	HAL38	8/14/2018 8:46 PM
A343	93.4	FRA	DLH466	8/14/2018 1:14 PM
B763	93.4	SDF	UPS922	8/16/2018 4:47 AM
B752	93.3	ATL	DAL2367	8/14/2018 10:55 AM
B739	93.3	SEA	ASA440	8/15/2018 5:32 PM
B753	93.1	ATL	DAL1692	8/14/2018 9:30 AM
B753	93.1	ATL	DAL1692	8/15/2018 9:52 AM
B738	93.1	PDX	ASA552	8/16/2018 10:42 PM
B738	93.0	JFK	AAL2681	8/16/2018 9:35 AM
A332	93.0	HNL	HAL16	8/16/2018 10:58 PM
B752	92.9	JFK	DAL2243	8/14/2018 12:34 AM
A321	92.9	PHX	AAL1966	8/14/2018 11:24 AM
B752	92.8	JFK	DAL2288	8/14/2018 10:44 AM
B763	92.8	IND	FDX3713	8/14/2018 4:55 PM
B752	92.8	PHX	AAL438	8/15/2018 8:34 AM
B738	92.8	ORD	AAL2680	8/15/2018 2:38 PM
B763	92.8	MEM	FDX1422	8/16/2018 5:13 AM
B739	92.7	SFO	UAL1900	8/14/2018 12:50 PM

*CPZ5759 was loudest as it was a missed approach with a throttle up right over the RMT.

Table 5 Continued

Quarterly Operations Survey - Arrivals (RMT #1 from August 14-16, 2018)

Aircraft Type	SENEL (dB)	Departing To	Flight Number	Date and Time
B738	92.7	DFW	AAL1243	8/15/2018 8:01 PM
B763	92.7	IND	FDX1754	8/16/2018 5:24 AM
B738	92.7	ORD	AAL1168	8/16/2018 3:33 PM
B739	92.6	IAH	UAL1919	8/14/2018 10:30 AM
B737	92.6	PHX	SWA1817	8/14/2018 12:32 PM
B739	92.6	IAH	UAL8125	8/15/2018 10:30 AM
B738	92.6	ORD	AAL1168	8/15/2018 3:54 PM
B763	92.6	IND	FDX3713	8/16/2018 4:55 PM
B739	92.6	SEA	ASA440	8/16/2018 5:35 PM
B738	92.6	MDW	SWA2047	8/16/2018 9:25 PM
B737	92.5	SFO	SWA1732	8/14/2018 6:18 PM
B738	92.5	SJC	SWA2484	8/15/2018 10:06 AM
B739	92.5	IAH	UAL991	8/15/2018 10:50 PM
B739	92.5	SFO	UAL1967	8/16/2018 12:09 AM
B738	92.4	BWI	SWA2496	8/14/2018 3:27 PM
B763	92.4	SDF	UPS2922	8/14/2018 5:28 PM
A332	92.4	HNL	HAL16	8/14/2018 10:27 PM
B738	92.3	SJD	ASA201	8/14/2018 6:24 PM
A321	92.3	PHX	AAL480	8/14/2018 6:41 PM
B738	92.3	BWI	SWA2327	8/15/2018 10:26 AM
B763	92.3	IND	FDX3713	8/15/2018 5:07 PM
A332	92.3	HNL	HAL16	8/15/2018 10:35 PM
B739	92.3	ORD	UAL2192	8/16/2018 9:37 AM
B738	92.3	SJC	SWA2484	8/16/2018 10:34 AM
B738	92.2	ATL	SWA2354	8/14/2018 1:52 PM
A321	92.2	PHX	AAL491	8/14/2018 3:08 PM
B739	92.2	IAH	UAL1870	8/14/2018 5:30 PM
B752	92.2	OAK	FDX1889	8/15/2018 4:02 AM
B737	92.2	RNO	SWA1743	8/15/2018 11:56 AM
B739	92.2	SFO	UAL1900	8/15/2018 1:11 PM
B738	92.2	MCO	ASA339	8/16/2018 5:42 PM
B738	92.1	JFK	DAL453	8/14/2018 1:45 PM
B738	92.1	JFK	AAL2407	8/14/2018 11:26 PM
B752	92.1	ATL	DAL2367	8/15/2018 10:49 AM
B752	92.1	JFK	DAL2288	8/15/2018 12:31 PM
B738	92.1	ATL	SWA2354	8/15/2018 2:02 PM
B738	92.1	SFO	UAL2423	8/16/2018 9:06 AM

Table 6**Quarterly Operations Survey - Departures (RMT #7 from August 14-16, 2018)**

The Departures survey identifies the loudest 25% of the aircraft departing from SDIA, as measured at Remote Monitoring Terminal (RMT) #7, which is located approximately one-half (0.5) mile from the departure end of Runway 27. During the 3rd Quarter 2018 Operations Survey, an average of 302 daily air carrier departure operations were conducted. Therefore, the loudest 25% of these departures totaled approximately 76. These commercial service jet aircraft are listed by Aircraft Type, Single Event Noise Exposure Level (SENEL), Airport Destination, Flight Number and Date/Time.

Aircraft Type	SENEL (dB)	Destination	Flight Number	Date and Time
A343	104.4	FRA	DLH467	8/14/2018 3:40 PM
A343	104.2	FRA	DLH467	8/16/2018 3:49 PM
B739	102.5	IAD	UAL1916	8/15/2018 10:10 PM
A321	101.3	CLT	AAL596	8/16/2018 10:40 PM
B753	101.0	ATL	DAL1692	8/16/2018 11:08 AM
A321	100.9	CLT	AAL596	8/15/2018 10:59 PM
B77W	100.8	LHR	BAW72A	8/15/2018 9:14 PM
B739	100.7	EWR	UAL751	8/15/2018 6:31 AM
A321	100.7	ATL	DAL2213	8/15/2018 10:51 PM
B739	100.6	EWR	ASA772	8/14/2018 6:41 AM
A332	100.6	HNL	HAL15	8/14/2018 10:33 AM
B739	100.6	EWR	UAL751	8/16/2018 6:29 AM
B739	100.5	EWR	UAL710	8/14/2018 8:54 PM
A321	100.5	PHL	AAL2078	8/15/2018 10:35 PM
A332	100.4	HNL	HAL15	8/15/2018 10:31 AM
A321	100.4	CLT	AAL639	8/16/2018 10:43 AM
B739	100.3	EWR	UAL751	8/14/2018 6:33 AM
A321	100.3	DTW	DAL98	8/15/2018 7:20 AM
B739	100.3	ORD	UAL1900	8/15/2018 2:22 PM
A321	100.3	ATL	DAL2213	8/16/2018 10:44 PM
B739	100.2	IAD	UAL1916	8/14/2018 10:17 PM
A332	100.1	HNL	HAL15	8/16/2018 10:35 AM
A321	100.0	PHL	AAL433	8/14/2018 8:14 AM
A321	99.9	CLT	AAL1651	8/14/2018 7:43 AM
A321	99.9	MSP	DAL1687	8/14/2018 11:50 AM
B738	99.8	HNL	ASA895	8/14/2018 7:42 AM
B77W	99.8	LHR	BAW72A	8/14/2018 9:04 PM
B739	99.8	ORD	UAL555	8/16/2018 11:03 AM
B739	99.8	IAD	UAL1916	8/16/2018 10:15 PM
A321	99.8	PHL	AAL2078	8/16/2018 10:29 PM
B738	99.8	JFK	AAL2306	8/16/2018 10:32 PM
A321	99.8	DTW	DAL1855	8/16/2018 10:43 PM
A321	99.6	CLT	AAL596	8/14/2018 11:06 PM
B739	99.6	EWR	ASA772	8/16/2018 6:42 AM
B739	99.6	EWR	UAL710	8/16/2018 9:02 PM
B77W	99.6	LHR	BAW72A	8/16/2018 9:19 PM
A321	99.5	DTW	DAL98	8/16/2018 7:17 AM
B739	99.4	MSP	DAL2688	8/14/2018 6:46 AM
A321	99.4	CLT	AAL639	8/15/2018 10:42 AM

Table 6 Continued

Quarterly Operations Survey - Departures (RMT #7 from August 14-16, 2018)

Aircraft Type	SENEL (dB)	Departing To	Flight Number	Date and Time
A321	99.4	DTW	DAL1855	8/15/2018 10:41 PM
A321	99.4	CLT	AAL1651	8/16/2018 7:21 AM
B739	99.4	ORD	UAL2137	8/16/2018 8:38 AM
A321	99.4	ATL	DAL30	8/16/2018 9:13 AM
B739	99.3	MSP	DAL303	8/14/2018 8:11 AM
B738	99.3	ORD	UAL913	8/15/2018 6:34 AM
A321	99.3	ATL	DAL1592	8/15/2018 6:47 AM
A321	99.3	JFK	JBU90	8/15/2018 9:26 PM
B739	99.3	MSP	DAL303	8/16/2018 8:18 AM
A321	99.2	JFK	JBU90	8/14/2018 9:22 PM
B738	99.2	HNL	ASA895	8/15/2018 7:45 AM
A321	99.2	CLT	AAL1651	8/15/2018 7:46 AM
B738	99.2	LIH	ASA819	8/16/2018 7:32 AM
A321	99.2	YYZ	ROU1886	8/16/2018 12:08 PM
A321	99.2	ATL	DAL1430	8/16/2018 3:06 PM
A321	99.1	ATL	DAL2213	8/14/2018 11:00 PM
A321	99.1	PHL	AAL433	8/16/2018 7:57 AM
A321	99.0	ATL	DAL62	8/14/2018 7:55 AM
B738	99.0	BOS	ASA798	8/14/2018 8:27 AM
B753	99.0	ATL	DAL1692	8/15/2018 11:18 AM
B738	98.9	LIH	ASA819	8/14/2018 9:20 AM
A321	98.9	ATL	DAL62	8/15/2018 7:51 AM
B738	98.9	JFK	AAL2458	8/15/2018 7:59 AM
B738	98.9	BOS	ASA798	8/15/2018 8:34 AM
B739	98.9	EWR	UAL710	8/15/2018 8:57 PM
A321	98.9	ATL	DAL1592	8/16/2018 6:44 AM
B739	98.9	ORD	UAL1900	8/16/2018 2:17 PM
B738	98.8	IAD	UAL546	8/14/2018 8:25 AM
B738	98.8	MIA	AAL1209	8/15/2018 10:09 PM
A321	98.8	ATL	DAL62	8/16/2018 8:22 AM
A321	98.8	CVG	FFT1960	8/16/2018 10:37 AM
A321	98.8	BOS	JBU20	8/16/2018 9:10 PM
B739	98.7	ORD	UAL2137	8/14/2018 8:40 AM
B738	98.7	LIH	ASA819	8/15/2018 7:38 AM
B739	98.7	MCO	ASA760	8/16/2018 10:17 AM
A321	98.7	MSP	DAL1728	8/16/2018 2:12 PM

Table 7

Air Carrier Operations Mix by Time of Day and Runway Use

The Operations Mix by Time of Day and Runway Use, represents the 605 daily operations, which is 5% greater than the 576 daily operations recorded during the 3rd Quarter of 2017.

Aircraft Type	Runway 27						Runway 9						Total
	Arrivals			Departures			Arrivals			Departures			
	7:00	19:00	22:00	7:00	19:00	22:00	7:00	19:00	22:00	7:00	19:00	22:00	
	18:59	21:59	6:59	18:59	21:59	6:59	18:59	21:59	6:59	18:59	21:59	6:59	
A319	3	1	1	3	1	1							9
A320	14	4	1	12	5	2							38
A321	27	5	6	28	3	7							77
A332	1			1									2
A343	1			1									1
B38M	1			2									3
B39M			1	1									1
B712	2		1	2		1							6
B734	1			1									1
B737	63	12	8	60	14	8							165
B738	32	13	10	38	8	9							111
B739	18	6	5	20	4	4							57
B752	3	1	2	4	1	1							12
B753	1			1									2
B762	1			1									2
B763	3	1	3	3	3	1							14
B77W	1				1								2
B788	1			1									2
BE99	1			1									2
C208	3			2		1							6
CRJ2	2			2									4
CRJ7	2			2									5
CRJ9	2		1	3									6
E175	27	7	5	30	5	3							77
Total	208	49	45	218	45	39	0	0	0	0	0	0	605

Aircraft Noise Complaints

During the 3rd Quarter of 2018, Airport Noise Mitigation received a total of 22,346 complaints from 144 households. Those flights that indicate a possible violation of the Airport Use Regulations or Time of Day Restrictions are investigated and appropriate enforcement action is taken. There has been an increase in complaints related to the SOCAL Metroplex implementation and the complainant utilization of new technology based reporting methods.

Enforcement Actions

The Airport Use Regulations at San Diego International Airport establish Time of Day Restrictions for all operators. Airport Noise Mitigation monitors operator compliance with these Airport Use Regulations. Any infraction is reported to the Curfew Violation Review Panel (Panel), a three member staff panel for review. The Panel examines data and documentation collected regarding alleged violations of the Time of Day (Noise Curfew) Restrictions, and makes recommendations to the Program Manager, Airport Noise Mitigation, for the disposition of incidents and imposition of fines.

During the 3rd Quarter of 2018, there were a total of 23 curfew violations. The 23 curfew violations recorded during the 3rd Quarter of 2018 reflects an increase of 9 from the 14 curfew violations recorded during the 3rd Quarter of 2017.

Residential Sound Insulation Program

Per the requirements of San Diego International Airport's Variance agreement, the following figure is provided to serve as an update on the Residential Sound Insulation Program (RSIP), also known as the Quieter Home Program (QHP), the Airport sponsored sound insulation program. To date, the Quieter Home Program has established eight eligibility boundaries.

Table 8

Residential Sound Insulation Units

Program Phase	Units	Units Completed	Percentage Complete
Pilot Phase / 1A	91	91	100.0%
Phase 1 (1B, 1C, 1D)	470	470	100.0%
Phase 2	138	138	100.0%
Phase 3, Groups 1 - 7	201	201	100.0%
Phase 4, Groups 1 - 12	501	501	100.0%
Phase 5, Groups 1 - 12	854	854	100.0%
Phase 6, Groups 1 - 12	451	451	100.0%
Phase 7, Groups 1 - 12	454	454	100.0%
Phase 8, Groups 1 - 12	428	428	100.0%
Phase 9, Groups 1 - 10	614	93	15.1%
Phase 10, Groups 1 - 12	0	0	0.0%
TOTAL UNITS COMPLETED	4,202	3,681	87.6%

Airport Noise Advisory Committee (ANAC)

The San Diego County Regional Airport Authority recognizes that neighborhoods surrounding San Diego International Airport are affected by noise from aircraft operations. An Airport Noise Advisory Committee (ANAC) (Committee), consisting of individuals from various organizations, residential areas, and professional associations, was formed in 1981 under the San Diego Unified Port District, previous operator of San Diego International Airport. The Airport Noise Advisory Committee is formally adopted as Airport Authority Policy 9.20.

The information regarding the Airport Noise Advisory Committee (ANAC) can be found on the San Diego County Regional Airport Authority's website: <http://www.SAN.org/Airport-Noise/Initiatives>.

Appendix A

Airport Noise Monitoring System

Appendix A1

Remote Noise Monitoring Terminal (RMTs) Thresholds

RMT #	SENEL Day Threshold (dB)	Duration (sec)	SENEL Evening Threshold (dB)	Duration (sec)	SENEL Night Threshold (dB)	Duration (sec)
1	73*	9	73	9	72*	10
2	63	10	60	12	58	14
3	74*	9	73	10	72*	10
4	64*	10	63	12	60*	12
6	68*	8	67	9	65*	10
7	65	12	63	12	62	15
9	68*	8	67	9	65*	10
10	65*	8	62	12	60*	13
11	65*	12	63	13	60*	15
12	64*	10	62	12	60*	14
13	65*	8	62	12	60*	13
14	65*	10	62	12	60*	13
16	67*	8	66	9	65*	10
17	64	9	62	12	58	15
18	65	8	65	8	62	12
19	64*	8	64	8	63*	8
20	62	11	62	11	60	13
21	60	10	58	12	55	18
22	65	8	63	10	60	12
23	65*	8	63	10	60*	12
24	65*	8	65	8	63*	10
25	65*	10	62	10	60*	12
26	65*	10	64	12	62*	14

KEY:

- Day** = From 7:00 a.m. to 6:59 p.m. (* = change occurs at 0500L)
Evening = From 7:00 p.m. to 9:59 p.m.
Night = From 10:00 p.m. to 6:59 a.m. (* = change occurs at 0500L)

Note 1: RMTs #1 and #3 high threshold levels are due to high freeway and/or construction noise.

Note 2: Noise monitors comply with all applicable settings as specified in the California Noise Standards (Title 21). Noise events must meet both threshold criteria to be considered for further review.

Appendix A2

Daily/Monthly CNEL Levels – July 2018

Day	RMT 1	RMT 2	RMT 3	RMT 4	RMT 6	RMT 7	RMT 9	RMT 10	RMT 11	RMT 12	RMT 13
1	67.0	0.5	63.6	64.7	*	74.6	66.7	63.1	71.9	61.8	66.1
2	68.6	65.9	64.0	64.9	*	74.3	0.5	63.0	70.4	61.8	65.7
3	67.5	65.6	62.6	64.4	67.4	73.9	65.9	62.4	70.4	60.8	65.6
4	65.7	64.6	62.4	63.8	67.4	73.2	65.0	62.1	69.8	61.6	65.2
5	68.1	66.1	64.5	65.4	68.8	74.8	65.4	62.7	70.8	61.1	64.8
6	66.8	66.0	63.0	64.8	68.9	74.8	67.1	62.1	70.5	62.6	63.6
7	65.6	0.5	61.3	64.4	67.8	75.2	66.2	62.1	71.1	60.5	64.3
8	64.1	65.3	60.5	64.3	68.8	75.7	67.4	*	71.8	60.7	65.5
9	67.1	65.7	61.5	64.8	68.7	76.1	66.9	63.3	72.3	61.6	66.0
10	67.9	66.2	61.7	65.2	68.7	75.4	67.0	63.0	71.6	62.9	65.7
11	68.5	66.5	63.6	65.6	68.3	74.9	67.3	62.8	71.2	63.2	66.0
12	68.1	66.5	63.6	*	68.8	75.5	66.7	63.3	71.6	63.0	66.4
13	69.0	66.8	67.3	*	68.7	75.1	67.9	63.1	70.9	61.2	65.4
14	76.0	65.7	63.9	64.8	67.9	74.5	66.2	*	70.4	59.6	64.3
15	75.5	66.1	62.3	65.0	68.6	75.3	66.8	*	71.6	61.4	66.3
16	67.7	*	62.9	65.4	69.2	75.4	66.9	63.1	70.8	61.0	65.2
17	68.8	66.8	63.1	65.6	68.6	74.5	66.4	63.1	70.8	61.6	65.5
18	69.1	66.9	63.5	66.0	68.5	74.5	66.4	63.4	70.6	60.9	65.8
19	68.0	66.8	64.0	65.5	68.8	75.0	66.6	*	71.2	60.6	65.8
20	69.0	67.0	64.7	65.9	69.2	74.9	66.8	63.2	71.2	61.6	65.9
21	67.5	66.1	63.8	65.0	68.7	74.6	66.3	63.1	70.7	61.4	65.6
22	67.4	65.8	63.3	64.7	68.8	75.6	65.3	63.0	72.0	*	66.1
23	65.9	66.5	62.1	65.4	68.6	75.1	66.7	62.7	71.4	60.5	65.5
24	68.2	66.6	62.6	65.9	68.9	75.3	66.9	62.9	71.1	61.3	65.4
25	69.0	66.6	64.4	66.9	68.5	75.6	66.9	62.0	71.1	59.7	64.6
26	67.6	65.8	64.3	67.0	69.4	76.3	67.2	62.3	72.3	60.5	65.0
27	68.3	66.6	64.2	65.7	68.5	75.2	66.1	*	71.1	61.7	65.2
28	68.1	66.6	62.8	65.6	68.2	75.4	67.0	62.3	*	59.3	64.8
29	65.5	65.8	62.1	64.5	68.6	75.5	67.1	63.5	72.1	62.0	66.7
30	66.0	66.3	0.5	65.2	68.4	75.6	67.5	63.1	71.7	61.1	65.8
31	67.8	66.5	64.1	65.5	68.3	75.2	67.2	63.1	71.6	61.4	65.6
Month	69.5	66.3	63.8	65.5	69.1	75.6	67.1	62.6	71.6	61.7	66.0

* = Not in Service

Appendix A2 (Continued)

Daily/Monthly CNEL Levels – July 2018

Day	RMT 14	RMT 16	RMT 17	RMT 18	RMT 19	RMT 20	RMT 21	RMT 22	RMT 23	RMT 24	RMT 25	RMT 26
1	65.1	63.5	64.4	56.2	60.0	61.1	57.7	64.3	63.0	64.1	62.2	63.1
2	64.9	63.4	64.6	58.3	60.4	60.9	57.7	63.9	62.6	63.8	61.9	63.0
3	65.0	63.4	64.9	58.3	62.8	60.4	57.9	64.1	62.6	63.7	61.7	62.8
4	64.0	63.1	63.2	57.2	58.9	59.8	57.0	64.2	63.1	63.4	60.8	61.6
5	*	63.8	64.8	60.2	60.4	60.8	56.8	63.2	62.2	63.1	61.0	63.1
6	62.9	64.0	64.3	59.7	63.3	59.8	55.7	61.8	61.3	61.7	60.9	62.8
7	63.1	62.8	63.6	59.8	63.5	59.7	54.7	62.8	62.5	62.3	60.2	61.9
8	64.6	62.9	63.7	57.8	64.3	60.5	56.4	63.6	64.1	63.9	*	61.8
9	64.4	63.6	64.2	58.4	63.9	61.0	*	64.3	63.4	*	61.7	62.6
10	64.5	64.0	64.5	58.6	63.9	60.5	56.6	63.8	63.0	64.3	61.0	63.2
11	65.2	64.3	64.8	60.5	63.1	61.0	57.1	64.4	63.3	64.6	62.3	63.6
12	65.0	64.1	64.7	59.4	62.3	61.2	57.4	64.8	64.2	64.9	61.1	63.5
13	64.6	64.4	65.3	59.2	61.3	60.4	57.3	63.7	63.4	64.1	60.6	64.0
14	63.7	63.4	64.1	58.4	*	59.6	55.5	62.6	62.0	62.8	59.8	62.3
15	65.0	63.7	64.6	58.7	64.2	60.8	58.2	64.5	64.0	65.0	61.8	62.8
16	63.8	64.1	64.8	59.3	64.8	60.4	55.6	63.9	62.3	63.7	59.9	63.0
17	63.5	64.7	65.2	58.4	62.7	60.3	55.8	63.4	62.7	64.1	60.2	63.7
18	*	64.9	65.2	62.3	63.5	60.1	57.7	64.2	62.9	64.2	61.5	63.7
19	*	64.5	65.0	58.8	63.5	60.2	56.4	64.1	63.1	64.7	60.9	63.5
20	63.9	64.5	65.3	59.9	63.5	60.6	57.6	64.3	63.2	64.3	61.4	63.7
21	64.6	63.4	*	59.4	60.4	60.9	58.0	64.1	62.9	63.9	61.9	63.0
22	65.2	63.0	64.4	57.6	57.6	61.8	58.3	64.5	63.2	64.1	62.4	62.3
23	63.9	64.0	64.8	58.2	61.1	60.7	56.8	66.1	63.1	64.0	60.7	63.4
24	63.9	64.3	65.0	59.1	63.7	60.6	56.7	63.5	63.2	64.3	60.7	63.2
25	63.9	64.2	64.9	60.6	*	59.2	55.3	62.9	62.7	63.3	59.2	63.6
26	65.8	63.4	64.3	61.9	64.5	59.1	55.2	62.7	62.7	63.5	59.4	62.4
27	64.1	64.1	64.8	58.1	61.5	60.3	55.9	63.1	62.5	63.7	61.3	63.4
28	63.9	64.1	65.1	57.5	63.0	59.7	55.1	63.3	62.2	62.6	59.9	63.1
29	65.1	63.0	64.0	57.6	61.8	61.2	57.5	64.8	63.8	65.2	61.6	62.6
30	64.7	63.8	64.7	59.1	62.2	61.2	57.3	66.7	62.6	64.1	61.3	63.3
31	64.5	64.1	64.8	58.5	63.0	60.7	57.9	63.9	62.5	63.9	61.5	63.1
Month	64.8	64.4	65.0	59.6	62.9	61.0	57.2	64.5	63.5	64.3	61.5	63.5

Appendix A3

Daily/Monthly CNEL Levels - August 2018

Day	RMT 1	RMT 2	RMT 3	RMT 4	RMT 6	RMT 7	RMT 9	RMT 10	RMT 11	RMT 12	RMT 13
1	67.0	*	63.6	64.7	*	74.6	66.7	63.1	71.9	61.8	66.1
2	68.6	65.9	64.0	64.9	*	74.3	*	63.0	70.4	61.8	65.7
3	67.5	65.6	62.6	64.4	67.4	73.9	65.9	62.4	70.4	60.8	65.6
4	65.7	64.6	62.4	63.8	67.4	73.2	65.0	62.1	69.8	61.6	65.2
5	68.1	66.1	64.5	65.4	68.8	74.8	65.4	62.7	70.8	61.1	64.8
6	66.8	66.0	63.0	64.8	68.9	74.8	67.1	62.1	70.5	62.6	63.6
7	65.6	*	61.3	64.4	67.8	75.2	66.2	62.1	71.1	60.5	64.3
8	64.1	65.3	60.5	64.3	68.8	75.7	67.4	*	71.8	60.7	65.5
9	67.1	65.7	61.5	64.8	68.7	76.1	66.9	63.3	72.3	61.6	66.0
10	67.9	66.2	61.7	65.2	68.7	75.4	67.0	63.0	71.6	62.9	65.7
11	68.5	66.5	63.6	65.6	68.3	74.9	67.3	62.8	71.2	63.2	66.0
12	68.1	66.5	63.6	*	68.8	75.5	66.7	63.3	71.6	63.0	66.4
13	69.0	66.8	67.3	*	68.7	75.1	67.9	63.1	70.9	61.2	65.4
14	76.0	65.7	63.9	64.8	67.9	74.5	66.2	*	70.4	59.6	64.3
15	75.5	66.1	62.3	65.0	68.6	75.3	66.8	*	71.6	61.4	66.3
16	67.7	*	62.9	65.4	69.2	75.4	66.9	63.1	70.8	61.0	65.2
17	68.8	66.8	63.1	65.6	68.6	74.5	66.4	63.1	70.8	61.6	65.5
18	69.1	66.9	63.5	66.0	68.5	74.5	66.4	63.4	70.6	60.9	65.8
19	68.0	66.8	64.0	65.5	68.8	75.0	66.6	*	71.2	60.6	65.8
20	69.0	67.0	64.7	65.9	69.2	74.9	66.8	63.2	71.2	61.6	65.9
21	67.5	66.1	63.8	65.0	68.7	74.6	66.3	63.1	70.7	61.4	65.6
22	67.4	65.8	63.3	64.7	68.8	75.6	65.3	63.0	72.0	*	66.1
23	65.9	66.5	62.1	65.4	68.6	75.1	66.7	62.7	71.4	60.5	65.5
24	68.2	66.6	62.6	65.9	68.9	75.3	66.9	62.9	71.1	61.3	65.4
25	69.0	66.6	64.4	66.9	68.5	75.6	66.9	62.0	71.1	59.7	64.6
26	67.6	65.8	64.3	67.0	69.4	76.3	67.2	62.3	72.3	60.5	65.0
27	68.3	66.6	64.2	65.7	68.5	75.2	66.1	*	71.1	61.7	65.2
28	68.1	66.6	62.8	65.6	68.2	75.4	67.0	62.3	*	59.3	64.8
29	65.5	65.8	62.1	64.5	68.6	75.5	67.1	63.5	72.1	62.0	66.7
30	66.0	66.3	*	65.2	68.4	75.6	67.5	63.1	71.7	61.1	65.8
31	67.8	66.5	64.1	65.5	68.3	75.2	67.2	63.1	71.6	61.4	65.6
Month	69.5	66.3	63.8	65.5	69.1	75.6	67.1	62.6	71.6	61.7	66.0

* = Not in Service

Appendix A3 (Continued)

Daily/Monthly CNEL Levels - August 2018

Day	RMT 14	RMT 16	RMT 17	RMT 18	RMT 19	RMT 20	RMT 21	RMT 22	RMT 23	RMT 24	RMT 25	RMT 26
1	65.1	63.5	64.4	56.2	60.0	61.1	57.7	64.3	63.0	64.1	62.2	63.1
2	64.9	63.4	64.6	58.3	60.4	60.9	57.7	63.9	62.6	63.8	61.9	63.0
3	65.0	63.4	64.9	58.3	62.8	60.4	57.9	64.1	62.6	63.7	61.7	62.8
4	64.0	63.1	63.2	57.2	58.9	59.8	57.0	64.2	63.1	63.4	60.8	61.6
5	*	63.8	64.8	60.2	60.4	60.8	56.8	63.2	62.2	63.1	61.0	63.1
6	62.9	64.0	64.3	59.7	63.3	59.8	55.7	61.8	61.3	61.7	60.9	62.8
7	63.1	62.8	63.6	59.8	63.5	59.7	54.7	62.8	62.5	62.3	60.2	61.9
8	64.6	62.9	63.7	57.8	64.3	60.5	56.4	63.6	64.1	63.9	*	61.8
9	64.4	63.6	64.2	58.4	63.9	61.0	*	64.3	63.4	*	61.7	62.6
10	64.5	64.0	64.5	58.6	63.9	60.5	56.6	63.8	63.0	64.3	61.0	63.2
11	65.2	64.3	64.8	60.5	63.1	61.0	57.1	64.4	63.3	64.6	62.3	63.6
12	65.0	64.1	64.7	59.4	62.3	61.2	57.4	64.8	64.2	64.9	61.1	63.5
13	64.6	64.4	65.3	59.2	61.3	60.4	57.3	63.7	63.4	64.1	60.6	64.0
14	63.7	63.4	64.1	58.4	*	59.6	55.5	62.6	62.0	62.8	59.8	62.3
15	65.0	63.7	64.6	58.7	64.2	60.8	58.2	64.5	64.0	65.0	61.8	62.8
16	63.8	64.1	64.8	59.3	64.8	60.4	55.6	63.9	62.3	63.7	59.9	63.0
17	63.5	64.7	65.2	58.4	62.7	60.3	55.8	63.4	62.7	64.1	60.2	63.7
18	*	64.9	65.2	62.3	63.5	60.1	57.7	64.2	62.9	64.2	61.5	63.7
19	*	64.5	65.0	58.8	63.5	60.2	56.4	64.1	63.1	64.7	60.9	63.5
20	63.9	64.5	65.3	59.9	63.5	60.6	57.6	64.3	63.2	64.3	61.4	63.7
21	64.6	63.4	*	59.4	60.4	60.9	58.0	64.1	62.9	63.9	61.9	63.0
22	65.2	63.0	64.4	57.6	57.6	61.8	58.3	64.5	63.2	64.1	62.4	62.3
23	63.9	64.0	64.8	58.2	61.1	60.7	56.8	66.1	63.1	64.0	60.7	63.4
24	63.9	64.3	65.0	59.1	63.7	60.6	56.7	63.5	63.2	64.3	60.7	63.2
25	63.9	64.2	64.9	60.6	*	59.2	55.3	62.9	62.7	63.3	59.2	63.6
26	65.8	63.4	64.3	61.9	64.5	59.1	55.2	62.7	62.7	63.5	59.4	62.4
27	64.1	64.1	64.8	58.1	61.5	60.3	55.9	63.1	62.5	63.7	61.3	63.4
28	63.9	64.1	65.1	57.5	63.0	59.7	55.1	63.3	62.2	62.6	59.9	63.1
29	65.1	63.0	64.0	57.6	61.8	61.2	57.5	64.8	63.8	65.2	61.6	62.6
30	64.7	63.8	64.7	59.1	62.2	61.2	57.3	66.7	62.6	64.1	61.3	63.3
31	64.5	64.1	64.8	58.5	63.0	60.7	57.9	63.9	62.5	63.9	61.5	63.1
Month	64.8	64.4	65.0	59.6	62.9	61.0	57.2	64.5	63.5	64.3	61.5	63.5

Appendix A4

Daily/Monthly CNEL Levels – September 2018

Day	RMT 1	RMT 2	RMT 3	RMT 4	RMT 6	RMT 7	RMT 9	RMT 10	RMT 11	RMT 12	RMT 13
1	64.3	63.9	59.0	62.7	67.4	74.6	66.1	61.8	70.6	59.5	64.5
2	62.9	63.7	58.0	62.3	66.6	73.9	65.8	61.0	70.4	58.9	65.1
3	64.8	64.9	60.8	63.8	69.2	75.0	66.8	62.4	71.2	60.7	66.1
4	66.2	65.1	61.8	64.8	67.1	74.9	66.3	62.3	71.5	60.1	65.2
5	66.8	65.4	62.9	64.7	67.0	73.6	64.9	62.3	70.2	59.6	64.7
6	66.2	65.8	63.0	64.9	67.5	73.7	64.6	62.2	70.1	60.0	64.0
7	65.9	65.7	64.1	66.6	67.6	74.7	63.6	61.9	70.7	59.7	63.8
8	63.1	63.6	60.9	63.2	66.6	74.3	64.8	59.4	70.2	56.6	62.6
9	64.0	65.0	60.0	63.9	67.3	74.9	65.9	60.5	71.1	58.0	64.2
10	65.1	65.0	61.1	63.9	67.3	74.6	64.7	61.7	71.1	60.4	65.8
11	65.0	65.3	60.1	64.3	67.6	73.8	65.1	61.8	70.6	60.6	64.8
12	65.6	66.2	61.7	64.6	67.3	74.4	66.1	62.3	71.0	60.2	65.4
13	68.5	65.7	63.3	65.0	67.9	74.7	64.2	61.9	70.8	60.0	64.3
14	68.0	66.0	63.8	67.1	67.1	73.6	66.2	60.7	69.7	59.0	63.7
15	65.2	63.5	60.9	62.9	66.5	73.6	63.4	60.8	69.7	58.6	64.0
16	66.1	65.1	61.1	64.1	67.2	74.7	67.3	61.7	70.8	59.8	65.2
17	67.1	65.0	62.6	64.5	67.9	74.3	67.1	61.8	70.5	59.6	64.6
18	67.5	65.0	62.4	64.3	67.4	73.5	65.2	61.9	70.0	60.4	64.3
19	67.5	65.5	63.0	64.5	67.9	74.0	65.8	62.2	70.5	60.0	65.0
20	69.5	66.5	63.9	66.0	68.4	75.4	66.5	62.8	72.0	61.2	65.7
21	68.8	66.3	64.2	65.4	67.6	74.8	66.9	62.1	70.9	61.6	65.4
22	66.0	64.5	62.3	64.3	66.2	72.4	62.2	59.8	68.8	57.8	63.5
23	67.2	65.7	61.6	64.7	67.8	74.8	66.5	62.6	71.0	60.5	65.4
24	66.5	65.5	61.2	64.4	68.1	75.1	66.5	62.8	71.5	60.5	65.3
25	68.3	65.8	63.3	65.4	67.9	74.0	64.2	62.1	70.5	60.5	64.6
26	67.9	66.1	62.9	65.0	67.6	74.6	65.3	62.0	70.6	59.6	63.9
27	69.2	66.1	65.1	68.0	68.9	74.8	65.9	60.1	70.4	58.1	63.3
28	67.0	65.3	62.2	64.5	67.8	75.2	66.0	61.8	71.5	60.4	64.8
29	66.0	64.3	61.2	63.5	66.5	73.3	64.4	61.2	69.8	59.4	64.8
30	66.3	65.2	61.0	63.9	67.6	75.0	66.7	62.3	71.4	60.0	65.9
Month	67.2	65.8	62.8	65.3	68.0	74.9	66.2	62.3	71.2	60.3	65.2

* = Not in Service

Appendix A4 (Continued)

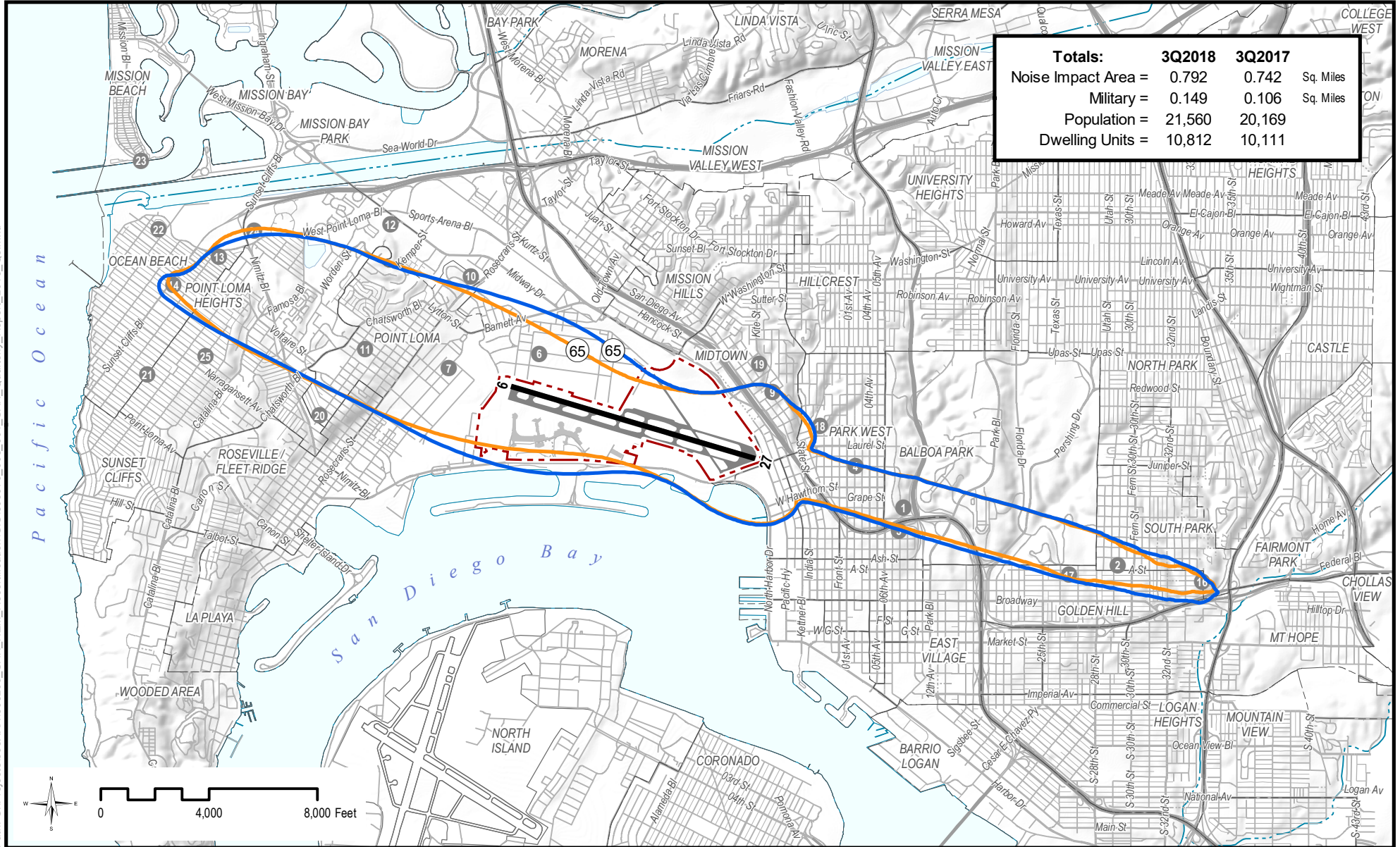
Daily/Monthly CNEL Levels – September 2018

Day	RMT 14	RMT 16	RMT 17	RMT 18	RMT 19	RMT 20	RMT 21	RMT 22	RMT 23	RMT 24	RMT 25	RMT 26
1	64.1	61.9	62.1	58.2	63.0	59.6	56.4	62.8	61.8	63.0	60.9	60.5
2	64.3	61.7	62.0	58.4	62.9	59.5	59.9	63.5	62.2	63.1	60.6	60.5
3	65.3	62.7	63.4	57.3	62.7	60.8	59.0	64.5	63.0	64.1	61.9	62.0
4	64.4	62.8	64.0	57.2	61.4	60.4	56.9	65.7	61.4	63.4	61.1	62.3
5	64.3	63.0	64.2	56.1	59.8	60.2	57.2	63.3	61.5	62.5	61.5	62.5
6	63.3	63.4	64.2	59.5	58.5	60.1	55.4	61.9	60.4	62.4	60.6	62.8
7	62.2	63.5	64.5	57.9	55.9	59.6	53.8	61.8	61.7	62.4	58.6	62.8
8	63.0	61.2	64.8	55.6	56.5	58.6	53.5	60.6	60.3	60.7	58.9	60.3
9	63.5	62.2	63.4	55.9	62.4	58.4	54.1	62.1	62.2	62.4	59.2	61.0
10	64.9	63.0	63.6	53.8	59.9	60.1	56.8	67.8	63.2	63.8	61.1	62.3
11	63.8	63.2	64.0	55.8	62.7	59.8	56.2	62.9	61.7	62.8	60.3	62.5
12	65.3	63.2	64.3	59.2	61.6	60.3	57.9	64.1	62.5	63.5	62.1	62.9
13	63.4	63.2	64.4	56.5	55.0	59.9	55.7	62.7	61.2	62.5	60.2	62.8
14	62.6	63.2	64.4	59.4	60.2	58.7	56.3	62.0	61.2	61.9	60.0	62.7
15	63.6	60.8	62.1	54.9	55.8	59.6	56.5	62.2	61.2	62.1	60.9	60.3
16	63.8	62.2	63.7	59.2	63.5	60.2	56.4	63.3	62.6	63.4	60.8	61.7
17	63.6	62.6	63.8	60.5	61.4	60.0	56.4	63.8	61.9	62.6	60.2	62.2
18	63.6	62.7	63.6	59.9	61.6	59.7	56.3	62.3	60.9	62.7	60.4	62.2
19	64.2	63.2	64.0	56.3	59.4	60.4	57.1	63.1	61.8	63.2	61.5	62.8
20	64.2	64.5	65.3	59.9	63.8	60.9	56.9	64.0	63.0	64.1	60.8	63.7
21	64.3	63.9	65.1	58.8	59.7	60.1	56.6	63.7	62.3	63.6	60.8	63.2
22	62.6	61.7	62.7	55.4	55.5	58.1	55.1	61.5	60.4	61.7	59.1	61.1
23	64.7	63.3	64.0	57.4	62.5	60.5	56.9	63.6	62.3	63.5	61.4	62.6
24	63.9	63.6	64.0	59.4	62.3	60.6	55.4	65.7	61.1	63.4	60.3	62.8
25	63.9	63.2	64.3	55.3	55.9	60.3	56.7	62.7	60.9	62.7	60.8	62.6
26	63.0	63.3	64.5	58.5	58.7	59.6	54.6	62.0	60.7	61.9	59.6	62.8
27	63.5	62.9	64.8	60.8	60.7	57.5	54.3	61.4	60.1	61.5	58.0	62.2
28	64.7	63.1	64.0	56.3	61.9	59.3	56.6	63.1	62.8	63.1	59.9	62.4
29	64.5	61.9	62.7	56.3	59.8	59.5	56.7	63.1	62.0	63.1	60.9	61.7
30	64.9	62.6	63.9	58.6	62.9	60.1	57.7	64.2	63.1	64.2	61.4	62.1
Month	64.5	63.4	64.4	58.5	61.4	60.3	57.0	64.0	62.3	63.4	61.1	62.7

Appendix B








ANOMS Commercial Flight Operations Mix - 3rd Quarter 2018

Aircraft Type	Air Canada/Rouge/Jazz	Alaska/Horizon	Allegiant	American/Envoy	British Airways	Compass	Delta Air Lines	Edelweiss	Frontier	Hawaiian	Japan	JetBlue	Lufthansa	SkyWest	Southwest	Spirit	Sun Country	United	WestJet	Atlas	FedEx	UPS	Total Operations
A319	0	144	115	0	0	0	2	0	38	0	0	0	0	0	0	61	0	606	0	0	0	0	966
A320	0	1,181	50	0	0	0	396	0	364	0	0	165	0	0	0	764	0	940	0	0	0	0	3,860
A321	184	96	0	2,642	0	0	1,793	0	406	0	0	744	0	0	0	501	0	0	0	0	0	0	6,366
A321N	0	18	0	0	0	0	0	0	0	112	0	0	0	0	0	0	0	0	0	0	0	0	130
A332	0	0	0	0	0	0	0	0	0	188	0	0	0	0	0	0	0	0	0	0	0	0	188
A343	0	0	0	0	0	0	0	44	0	0	0	0	132	0	0	0	0	0	0	0	0	0	176
B38M	0	0	0	0	0	0	0	0	0	0	0	0	0	0	219	0	0	0	0	0	0	0	219
B39M	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	155	0	0	0	0	155
B712	0	0	0	0	0	0	500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	500
B736	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	6
B737	0	8	0	0	0	0	0	0	0	0	0	0	0	0	15,061	0	82	73	39	0	0	0	15,263
B738	0	1,922	0	1,940	0	0	428	0	0	0	0	0	0	0	4,657	0	123	1,100	125	0	0	0	10,295
B739	0	1,413	0	0	0	0	606	0	0	0	0	0	0	0	0	0	0	2,874	0	0	0	0	4,893
B744	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
B752	0	0	0	162	0	0	541	0	0	0	0	0	0	0	0	0	0	62	0	0	128	4	897
B753	0	0	0	0	0	0	226	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	226
B762	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	133	0	0	133
B763	0	0	0	0	0	0	0	0	0	64	0	0	0	0	0	0	0	0	0	0	484	200	748
B772	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
B77W	0	0	0	0	180	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	180
B788	0	0	0	0	0	0	0	0	0	0	184	0	0	0	0	0	0	0	0	0	0	0	184
B789	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CRJ2	0	0	0	0	0	0	0	0	0	0	0	0	0	264	0	0	0	0	0	0	0	0	264
CRJ7	0	0	0	0	0	0	0	0	0	0	0	0	0	450	0	0	0	0	0	0	0	0	450
CRJ9	544	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	544
DC10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E175	0	370	0	0	0	2,539	0	0	0	0	0	0	0	3,963	0	0	0	0	0	0	0	0	6,872
MD11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MD80+	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MD90+	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Total	728	5,152	165	4,744	184	2,539	4,500	44	808	364	184	909	132	4,677	19,937	1,326	205	5,810	170	133	612	204	53,527
BE99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	142	142
C208	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	414	0	414
DH8D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SW3/4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	62	62
Total	728	5,152	165	4,744	184	2,539	4,500	44	808	364	184	909	132	4,677	19,937	1,326	205	5,810	170	133	1,026	408	54,145



Path: G:\Projects\308XXX\308200_SAN_NEM_Recertification\GIS\308970_003_001_SAN_Quarterly_Report_2018_Q3.mxd



-  2018 3rd Quarter 65 dB CNEL Contour
-  2017 3rd Quarter 65 dB CNEL Contour
-  Airport Property
-  Runway
-  RMT Site Location
-  Roads
-  River / Stream

Comparison of the 2017 and 2018 Third Quarter 65 dB Community Noise Equivalent Level (CNEL) Contours

3rd Quarterly Contour Produced by the FAA's AEDT

