Quarterly Noise Report

For:
California Department of Transportation

4th Quarter 2019
October 1, 2019 – December 31, 2019

Airport Noise Mitigation

March 24, 2020

SAN DIEGO
INTERNATIONAL AIRPORT
LET'S **GO.**

Quarterly Noise Report
For the Period
October 1, 2019 through December 31, 2019

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 December 2, 2019.

This Quarterly Report for the 4th Quarter of 2019 was prepared by the Airport Noise Mitigation Office at San Diego International Airport, in accordance with the Airport Noise Standards, State of California.

Brendan Reed
Director of Planning & Environmental Affairs

Kimberly J. Becker
President/CEO

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 = 0.660 sq. miles; Military Noise Impact Area = 0.142 sq. miles

2. Estimated number of dwelling units included in the Noise Impact Area as defined in the Noise Standards:
   6,455* (QHP Insulated = 4,149)

3. Estimated number of people residing within the Noise Impact Area as defined in the Noise Standards:
   12,829* (QHP Insulated = 10,373)

4. Identification of the aircraft type having the highest takeoff noise level operating at SAN, together with the estimated number of operations by this aircraft type during the calendar quarter reporting period:
   Boeing 747-400ER: 115

5. Total aircraft operations during the calendar quarter:
   57,850**

6. Total Air Carrier operations by aircraft certified under Federal Aviation Regulations (FAR) Part 36:
   52,218**

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

8. Total number of operations by Air Taxi aircraft during the calendar quarter:
   3,001**

9. Total number of operations by General Aviation aircraft during the calendar quarter:
   2,469**

10. Total number of operations by Military aircraft during the calendar quarter:
    162**

Form DOA 617, 10/89

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

** Airport Operations counts are obtained from the FAA Air Traffic Activity Data System:
https://aspm.faa.gov/opsnet/sys/Main.asp?force=atads

Aircraft Noise Measurements

Using data generated from the Airport Noise and Operations Monitoring System (ANOMS) and Geographic Information System (GIS), the Airport Noise Office 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 of October 1, 2018 through December 31, 2019 to be 0.660 square miles (422.4 acres) and 0.149 square miles (90.9 acres), respectively. As compared to the period of October 1, 2018 through December 31, 2018, the N.I.A decreased by -0.113 square miles (72.3 acres) and the Federal M.I.A decreased by -0.007 square miles (4.5 acres).

The reduction in the contour this quarter is mainly due to changes to the AEDT model shifting from AEDT version 2d to AEDT version 3b. The primary changes applicable to San Diego International Airport are:

- Improvements in the aircraft performance models and the aircraft database to Eurocontrol Models (BADA 4).

- Reduced thrust and alternative weight procedures for 22 different aircraft types, all of which operate at San Diego International Airport.

- Data for 1,492 equipment records were removed (outdated models due to fleet retirements) from the Fleet Database and 483 equipment records (new aircraft models) were added to the Fleet Database in the transition from AEDT 2d to AEDT 3b, bringing the total number of available equipment models to 4,065.

Table 1

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

Impact Area	January 1, 2019 to December 31, 2019	January 1, 2018 to December 31, 2018	Change
N.I.A.	0.660	0.773	-0.113
M.I.A.	0.142	0.149	-0.007

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. 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 of October 1, 2018 through December 31, 2018 compared to the period of October 1, 2019 through December 31, 2019 accompanies this report as an attachment.

Table 2

Quarterly and Annual CNEL Data

RMT #	Annual CNEL (dB)[1]	Quarter CNEL (dB)[2]
1	68.4	68.8
2	66.1	66.7
3	77.6	64.1
4	65.4	65.7
6	68.9	69.1
7	74.9	75.3
9	66.8	67.2
10	63.4	63.9
11	71.4	71.8
12	61.6	62.3
13	65.7	66.4
14	65.1	65.3
16	64.4	64.6
17	64.6	65.1
18	62.2	60.3
19	63.6	63.6
20	60.8	61.4
21	57.8	58.2
22	64.5	64.9
23	63.4	63.9
24	64.0	64.6
25	61.8	62.3
26	63.2	63.6

[1] = January 1, 2019 through December 31, 2019
[2] = October 1, 2019 through December 31, 2019
Note: RMTs #5, #8 and #15 are no longer operational as the noise impact boundary has decreased in size.

Aircraft Operations

Statistics of aircraft operations (Table 3) are the Federal Aviation Administration (FAA) Air Traffic Control Tower (ATCT) counts at San Diego International Airport (SAN). This data can be obtained from the FAA's Air Traffic Activity Data System (ATADS).

https://aspm.faa.gov/opsnet/sys/Airport.asp

Table 3

SAN Air Traffic Control Tower Counts

Operations	4th Quarter 2019	4th Quarter 2018	Increase/Decrease	Percent Change
Air Carrier	52,218	50,710	1,508	3.0%
Air Taxi	3,001	3,086	(85)	-2.8%
General Aviation	2,469	2,511	(42)	-1.7%
Military	162	174	(12)	-6.9%
Total	57,850	56,481	1,369	2.4%

Quarterly Operations Survey Report

The Quarterly Operations Survey Report for SAN encompasses the 4th Quarter of 2019. The average Single Event Noise Exposure Level (SENEL) of the loudest 25% of the Operations Survey is shown below (Table 4). The data used to compile this report was gathered during 24-hour periods on November 12-14, 2019 (Tables 5 through 6).

Table 4

Single Event Noise Exposure Level (SENEL) Comparison

	November 12-14, 2019	November 13-15, 2018	Change (dB)
Departures	99.0	99.1	-16.1%
Arrivals	93.4	92.4	101.0%

Table 5

Quarterly Operations Survey – Arrivals (RMT #1 from November 12-14, 2019)

Aircraft Type	SENEL (dB)	Arriving From	Flight Number	Date and Time
B744	101.0	LHR	BAW44N	11/13/2019 4:33 PM
DC10	99.3	MEM	FDX906	11/13/2019 5:36 PM
B744	99.2	LHR	BAW44N	11/12/2019 5:20 PM
DC10	98.2	MEM	FDX906	11/12/2019 5:07 PM
B739	94.3	DEN	UAL710	11/13/2019 5:06 PM
B738	94.2	MSP	SCX403	11/13/2019 4:50 PM
B763	94.0	IND	FDX3713	11/13/2019 5:47 PM
B763	93.9	SDF	UPS2922	11/13/2019 5:31 PM
B738	93.8	SFO	UAL2186	11/12/2019 2:38 PM
B753	93.7	ATL	DAL1692	11/12/2019 10:23 AM
B738	93.7	PDX	SWA1754	11/13/2019 5:14 PM
B752	93.6	EWR	UAL2199	11/13/2019 11:23 AM
B752	93.4	PHX	AAL438	11/12/2019 10:06 AM
A343	93.3	FRA	DLH2P	11/12/2019 12:44 PM
B739	93.3	IAH	UAL1916	11/13/2019 7:52 PM
B752	93.2	IAD	UAL229	11/12/2019 10:58 AM
B753	93.2	ATL	DAL1692	11/13/2019 10:00 AM
B737	93.2	SJC	SWA2399	11/13/2019 4:42 PM
A332	93.2	HNL	HAL16	11/13/2019 9:50 PM
B738	93.1	PHX	AAL480	11/13/2019 8:15 PM
B752	93.1	EWR	UAL2304	11/13/2019 10:48 PM
B752	93.0	JFK	DAL2288	11/13/2019 11:02 AM
B738	92.9	PHX	AAL2671	11/12/2019 11:28 AM
B738	92.9	MCO	SWA2249	11/12/2019 2:09 PM
B763	92.9	IND	FDX3713	11/12/2019 5:47 PM
B752	92.9	ATL	DAL540	11/12/2019 8:11 PM
B738	92.7	DFW	AAL2758	11/13/2019 6:10 PM
B738	92.7	ORD	AAL1244	11/13/2019 11:12 PM
B738	92.6	JFK	N763CA	11/12/2019 7:30 PM
B738	92.6	AUS	SWA1106	11/13/2019 10:39 PM
B752	92.5	EWR	UAL1959	11/12/2019 6:01 PM
B739	92.5	SFO	UAL353	11/13/2019 5:38 PM
B752	92.5	EWR	UAL1959	11/13/2019 6:34 PM
B737	92.4	SMF	SWA1918	11/12/2019 10:52 AM
B752	92.4	EWR	UAL2199	11/12/2019 11:55 AM
B738	92.4	IAD	UAL2303	11/12/2019 8:22 PM
B737	92.4	DEN	SWA3174	11/13/2019 6:33 AM
B738	92.4	PHX	AAL2671	11/13/2019 11:20 AM
B737	92.4	PHX	SWA1737	11/13/2019 4:15 PM

Table 5 Continued

Quarterly Operations Survey – Arrivals (RMT #1 from November 12-14, 2019)

Aircraft Type	SENEL (dB)	Departing To	Flight Number	Date and Time
B737	92.4	LAS	SWA448	11/13/2019 8:19 PM
B738	92.3	MDW	SWA4067	11/13/2019 10:07 AM
B739	92.3	PVR	ASA217	11/13/2019 3:35 PM
B738	92.3	BOS	ASA439	11/13/2019 10:25 PM
B737	92.2	LAS	SWA1582	11/13/2019 9:44 AM
A320	92.2	SLC	DAL2378	11/13/2019 11:58 AM
B738	92.2	OAK	SWA2997	11/13/2019 12:00 PM
B738	92.2	DEN	SWA1148	11/13/2019 3:52 PM
B738	92.2	SMF	SWA1352	11/13/2019 4:36 PM
B739	92.2	EWR	ASA773	11/13/2019 8:42 PM
B737	92.1	PHX	SWA1496	11/12/2019 10:37 AM
A321	92.1	MSP	DAL1687	11/12/2019 10:40 AM
B738	92.1	OAK	SWA2997	11/12/2019 12:07 PM
B738	92.1	BWI	SWA1118	11/12/2019 5:25 PM
B737	92.1	SMF	SWA1713	11/12/2019 7:55 PM
B738	92.1	STL	SWA2182	11/12/2019 8:00 PM
B752	92.1	IAD	UAL229	11/13/2019 11:00 AM

Table 6

Quarterly Operations Survey – Departures (RMT #7 from November 12-14, 2019)

Aircraft Type	SENEL (dB)	Destination	Flight Number	Date and Time
B744	105.9	LHR	BAW72A	11/13/2019 6:39 PM
B744	103.5	LHR	BAW72A	11/12/2019 7:40 PM
A343	102.6	FRA	DLH5Y	11/12/2019 3:09 PM
A332	100.7	HNL	HAL15	11/13/2019 10:11 AM
DC10	100.6	MEM	FDX1222	11/13/2019 7:32 PM
A321	100.4	CLT	AAL639	11/12/2019 11:37 AM
A321	100.4	CLT	AAL1740	11/12/2019 10:43 PM
A332	100.3	HNL	HAL15	11/12/2019 10:31 AM
A321	100.2	CLT	AAL1740	11/13/2019 10:37 PM
A321	100.1	CLT	AAL1270	11/12/2019 2:01 PM
A321	99.7	YYZ	ROU1886	11/12/2019 12:53 PM
A321	99.6	ORD	AAL134	11/12/2019 12:14 PM
B739	99.3	ORD	UAL913	11/13/2019 7:36 AM
B739	99.1	IAD	UAL546	11/12/2019 9:31 AM
A321	99.1	DTW	DAL833	11/12/2019 11:45 AM
A321	99.1	PHL	AAL433	11/13/2019 9:19 AM
B738	99.0	BOS	ASA436	11/12/2019 10:43 AM
B753	99.0	ATL	DAL1692	11/12/2019 11:54 AM
DC10	99.0	MEM	FDX1222	11/12/2019 7:35 PM
B738	98.9	LIH	ASA819	11/13/2019 8:29 AM
B738	98.8	JFK	DAL692	11/12/2019 10:42 PM
A321	98.8	CLT	AAL1651	11/13/2019 6:47 AM
B739	98.7	EWR	ASA772	11/13/2019 7:15 AM
A321	98.7	DTW	DAL2628	11/13/2019 7:42 AM
A321	98.7	CLT	AAL639	11/13/2019 11:24 AM
B739	98.6	EWR	ASA772	11/12/2019 6:55 AM
B739	98.6	DEN	UAL1209	11/13/2019 6:56 AM
B738	98.6	HNL	ASA895	11/13/2019 9:38 AM
A321	98.5	CLT	AAL1651	11/12/2019 6:46 AM
B739	98.5	ORD	UAL913	11/12/2019 7:56 AM
A321	98.5	MIA	AAL1209	11/12/2019 10:40 PM
B739	98.4	ORD	UAL1900	11/12/2019 2:52 PM
A321	98.4	DTW	DAL1635	11/12/2019 10:44 PM
A321	98.4	YYZ	ROU1886	11/13/2019 1:18 PM
A321	98.4	PHL	AAL2078	11/13/2019 10:42 PM
A321	98.3	ATL	DAL731	11/12/2019 8:52 AM
B739	98.3	ORD	UAL555	11/12/2019 11:30 AM
B739	98.2	DEN	UAL1209	11/12/2019 6:53 AM
A321	98.2	DFW	AAL313	11/12/2019 12:03 PM

Table 6 Continued

Quarterly Operations Survey – Departures (RMT #7 from November 12-14, 2019)

Aircraft Type	SENEL (dB)	Departing To	Flight Number	Date and Time
B739	98.2	DEN	UAL2299	11/12/2019 4:28 PM
A321	98.2	MSP	DAL1687	11/13/2019 11:41 AM
A321	98.2	ORD	AAL134	11/13/2019 11:50 AM
B738	98.2	JFK	DAL692	11/13/2019 9:51 PM
B739	98.2	IAD	UAL1916	11/13/2019 10:01 PM
A321	98.1	DFW	AAL1064	11/12/2019 11:43 AM
A321	98.1	ATL	DAL731	11/13/2019 9:29 AM
A321	98.1	MIA	AAL1209	11/13/2019 9:26 PM
B738	98.0	TPA	SWA2298	11/12/2019 1:54 PM
A321	97.7	DTW	DAL2628	11/12/2019 8:00 AM
B738	97.7	ORD	AAL2680	11/12/2019 1:38 PM
A321	97.7	BOS	JBU620	11/12/2019 2:46 PM
A321	97.7	JFK	JBU90	11/13/2019 9:28 PM
A321	97.6	ATL	DAL1592	11/12/2019 6:44 AM
A321	97.6	DFW	AAL1055	11/12/2019 7:51 AM

Table 7

Air Carrier Fleet Mix by Time of Day and Runway Use (Per Day Average)

Aircraft Type	Runway 9						Runway 27						Total
	Arrivals			Departures			Arrivals			Departures			
	7:00 18:59	19:00 21:59	22:00 6:59	7:00 18:59	19:00 21:59	22:00 6:59	7:00 18:59	19:00 21:59	22:00 6:59	7:00 18:59	19:00 21:59	22:00 6:59	
A20N	1	1	0	0	0	1	0	1	0	1	1	1	7
A21N	0	0	0	0	0	0	1	1	0	1	0	0	3
A319	1	0	1	0	0	0	2	1	1	3	0	2	11
A320	1	1	1	1	0	0	10	2	1	11	2	1	31
A321	1	1	3	1	0	1	14	4	4	17	2	5	53
A332	0	1	0	0	0	0	0	1	0	1	0	0	3
A343	0	0	0	0	0	0	1	0	0	1	0	0	2
B38M	0	0	0	0	0	0	0	0	0	0	0	0	0
B39M	0	0	0	0	0	0	0	0	0	0	0	0	0
B712	0	0	0	0	0	0	0	0	0	0	0	0	0
B737	7	3	3	2	2	2	30	9	3	35	8	6	110
B738	5	1	3	0	1	1	20	7	3	26	5	4	76
B739	2	1	2	1	0	0	6	2	2	11	0	3	30
B744	0	0	0	0	0	0	1	0	0	1	1	0	3
B752	1	0	1	0	1	0	3	1	1	5	1	1	15
B753	0	0	0	0	0	0	1	0	0	1	0	0	2
B762	1	0	0	0	0	0	0	0	0	1	0	0	2
B763	1	0	2	0	0	0	2	0	0	1	2	1	9
B788	1	0	0	0	0	0	1	0	0	1	0	0	3
BE99	0	0	0	0	0	0	1	0	0	1	0	0	2
C208	0	0	0	1	0	0	2	0	0	2	0	0	5
CRJ2	0	0	0	0	0	0	1	1	0	1	1	0	4
CRJ7	1	0	1	0	0	0	3	0	1	3	0	1	10
CRJ9	0	0	1	0	0	0	1	0	1	2	0	0	5
DC10	1	0	1	1	0	0	1	0	0	1	1	0	6
E75L	3	1	1	1	0	0	14	3	1	17	3	2	46
PA31	0	0	0	0	0	0	1	0	0	1	0	0	2
SW4	0	0	0	0	0	0	1	0	0	1	0	0	2
Total	27	10	20	8	4	5	117	33	18	146	27	27	442

Aircraft Noise Complaints

During the 4th Quarter of 2019, the Airport Noise Office received a total of 33,522 complaints from 253 households.

Enforcement Actions

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

During the 4th Quarter of 2019, there were a total of fifteen (15) curfew violations. A decrease of ten (10) from the twenty-five (25) curfew violations during the 4th Quarter of 2018.

Residential Sound Insulation Program

Per the requirements of SAN's Variance agreement, the Airport Authority sponsors a Residential Sound Insulation Program (RSIP), also known as the Quieter Home Program (QHP). The Quieter Home Program is the San Diego County Regional Airport Authority's Residential Sound Insulation Program. The Federal Aviation Administration (FAA) has determined that residences within the 65+ decibel level contour map around San Diego International Airport (SAN) may be eligible for sound insulation treatments to mitigate aircraft noise. The FAA has set a goal of reducing interior noise levels for eligible residents by at least five decibels inside the home, providing a noticeable reduction in noise. The Airport Authority's Quieter Home Program is the means to obtain that goal.

At present, 4,149 units have been completed with a wait list of 1,355. There are currently 264 units that are in various stages of work with an additional 211 units to move forward in the program by the end of 2020.

Airport Noise Advisory Committee (ANAC)

The San Diego County Regional Airport Authority (Airport Authority) recognizes that neighborhoods surrounding SAN are affected by noise from aircraft operations. An Airport Noise Advisory Committee (ANAC), 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. ANAC is formally adopted as Airport Authority Policy 9.20.

Further information regarding ANAC can be found on the Airport Authority's website: http://www.SAN.org/Airport-Noise/Initiatives .

Appendix A

Airport Noise Monitoring System Thresholds and Levels

Appendix A1

Remote 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

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 – October 2019

Day	RMT 1	RMT 2	RMT 3	RMT 4	RMT 6	RMT 7	RMT 9	RMT 10	RMT 11	RMT 12	RMT 13
1	68.4	65.9	62.6	64.3	68.4	74.8	65.1	63.9	71.5	62.6	65.9
2	68.9	66.1	63.4	65.3	68.2	74.2	66.2	64.1	71.0	62.7	65.9
3	69.1	66.6	63.8	65.3	68.8	74.8	68.6	63.6	71.5	62.0	65.9
4	69.1	65.9	65.2	65.1	68.3	74.5	66.2	63.0	70.6	61.1	64.4
5	66.2	63.9	62.2	62.7	67.3	73.5	65.4	61.3	70.0	59.3	64.0
6	66.3	65.3	62.4	64.1	68.4	75.2	68.2	63.0	71.7	60.9	65.7
7	66.8	65.0	62.7	64.4	68.5	74.3	66.6	63.7	70.7	60.9	64.6
8	65.0	65.2	60.9	64.0	68.1	74.3	66.0	62.9	70.9	60.5	63.7
9	67.3	66.1	60.5	64.9	68.5	75.1	66.2	63.7	71.6	62.3	66.2
10	69.5	66.3	64.0	65.2	68.7	75.3	66.4	64.4	72.0	62.5	66.7
11	68.5	65.4	64.6	64.5	68.8	74.4	66.5	62.0	70.2	60.4	64.1
12	64.6	63.5	60.8	62.5	66.4	73.0	64.6	60.6	69.5	58.2	63.8
13	67.3	66.0	61.2	65.0	68.6	75.1	65.6	63.6	71.6	61.5	66.2
14	68.4	66.1	63.7	65.3	68.7	75.0	68.0	64.2	71.9	62.3	66.7
15	68.1	65.9	64.5	65.5	68.6	75.2	66.3	63.6	71.9	61.4	66.1
16	67.2	65.7	62.1	64.9	69.0	75.4	68.9	63.3	72.3	61.8	66.0
17	68.3	66.2	61.9	64.8	70.5	76.4	67.9	64.9	72.8	62.9	67.5
18	69.7	66.5	66.1	65.5	69.0	75.3	68.9	63.6	71.7	61.8	66.1
19	66.4	64.4	62.1	63.0	67.5	74.3	66.6	61.6	71.0	60.0	65.1
20	67.4	65.8	62.5	64.6	69.3	75.9	67.9	63.6	72.3	61.6	66.3
21	62.4	64.2	61.8	63.1	68.8	75.1	65.2	63.5	71.5	61.3	65.4
22	64.2	64.7	62.2	63.5	68.6	74.7	66.4	62.4	70.9	60.6	64.4
23	66.5	65.2	62.0	64.4	68.5	75.4	65.4	62.5	71.8	61.0	64.7
24	62.6	63.4	61.9	62.5	69.4	75.0	67.2	61.7	71.2	59.6	64.1
25	63.9	63.8	63.6	62.8	68.3	73.7	66.3	60.4	69.2	59.1	62.8
26	65.3	63.4	60.0	62.2	66.9	73.2	64.0	61.6	69.1	59.5	62.6
27	67.4	66.3	60.5	64.6	68.8	75.4	67.2	64.0	71.7	61.8	66.6
28	67.0	65.6	63.2	64.1	68.7	74.6	64.9	63.7	71.2	67.9	66.0
29	67.5	65.8	63.2	64.3	68.7	74.3	65.4	63.3	71.1	62.0	65.7
30	61.2	61.4	56.2	60.4	67.3	74.1	60.1	61.1	70.8	62.5	63.7
31	65.3	63.0	61.9	62.7	67.1	71.8	63.1	61.6	67.4	55.9	59.6
Month	**67.1**	**65.3**	**62.7**	**64.2**	**68.5**	**74.7**	**66.5**	**63.1**	**71.2**	**61.7**	**65.3**

Appendix A2 Continued

Daily/Monthly CNEL Levels – October 2019

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	65.2	64.0	64.1	56.8	63.1	61.0	58.6	64.4	63.1	64.1	62.0	62.9
2	65.1	64.2	64.6	60.1	60.3	61.2	58.4	64.2	62.7	63.8	62.2	63.5
3	64.7	65.7	65.0	62.3	65.9	61.3	58.7	64.0	62.8	64.4	61.8	63.7
4	63.3	64.1	64.7	59.2	62.2	60.4	56.1	62.2	61.2	62.9	60.7	62.9
5	63.8	61.7	62.1	62.9	61.1	59.8	56.6	62.3	60.7	62.0	60.8	60.8
6	64.8	63.1	63.7	62.4	65.7	60.6	56.6	63.6	62.7	64.0	60.9	61.9
7	63.7	63.1	63.2	63.1	61.8	60.0	55.9	62.8	61.3	63.1	60.4	61.8
8	63.2	63.1	63.6	60.7	67.0	59.3	55.3	61.6	60.9	62.1	60.0	61.8
9	65.2	64.7	64.4	58.0	64.2	61.3	58.2	64.3	62.9	64.3	62.4	63.2
10	65.8	64.6	64.8	57.5	60.9	61.5	58.6	64.9	63.8	65.0	62.4	63.7
11	63.2	64.4	63.7	61.5	65.3	58.9	57.0	62.1	61.3	62.5	61.3	62.7
12	63.1	61.3	61.9	59.2	61.9	58.3	55.2	62.0	60.8	61.8	59.2	60.6
13	64.9	63.9	64.5	57.9	62.0	61.3	57.7	64.5	63.3	64.5	61.5	63.1
14	65.7	64.0	64.7	61.1	63.9	61.8	58.5	67.3	63.6	64.8	62.4	63.6
15	65.6	64.4	64.2	60.0	63.5	62.2	58.7	64.6	63.1	64.1	62.8	63.1
16	65.3	66.1	64.1	64.4	66.6	61.4	57.8	64.1	63.2	64.0	62.1	63.7
17	65.2	64.8	64.6	59.9	65.3	62.2	58.3	65.7	65.1	66.2	62.6	63.5
18	65.3	65.6	65.1	62.2	65.9	61.4	58.5	64.6	63.8	64.2	62.3	63.7
19	64.1	62.7	62.6	59.5	64.0	61.0	56.9	63.3	62.7	62.9	61.2	61.5
20	64.8	63.8	64.3	58.8	67.4	61.5	57.5	64.5	63.9	64.7	61.6	62.5
21	64.2	62.8	63.0	62.7	62.1	60.9	56.6	64.9	62.8	63.5	60.9	61.5
22	63.4	64.0	63.4	64.6	63.3	59.5	56.0	62.6	61.2	62.6	60.0	61.5
23	64.1	63.6	63.6	61.5	63.7	60.3	56.2	63.0	62.1	62.8	60.3	62.1
24	63.4	62.3	61.3	63.6	66.2	58.8	55.0	62.3	61.4	62.6	59.1	60.1
25	61.9	63.3	62.3	64.6	63.1	57.9	53.9	61.0	62.7	61.2	58.7	60.4
26	61.4	62.8	61.8	58.5	61.2	58.8	54.5	60.5	60.0	61.2	57.8	60.1
27	65.1	64.7	64.5	58.7	64.5	60.7	58.0	64.9	63.5	64.9	61.7	63.1
28	64.7	63.9	64.0	59.6	61.6	60.7	57.9	65.6	63.1	64.3	61.3	62.7
29	64.5	64.4	64.2	57.1	66.2	60.7	57.5	63.9	62.5	64.0	61.5	63.0
30	63.9	59.4	57.6	57.0	55.8	58.9	55.3	61.9	60.0	61.6	59.8	57.4
31	59.4	62.3	61.7	59.1	59.3	54.2	49.9	56.8	56.8	58.3	54.7	59.1
Month	**64.3**	**63.8**	**63.7**	**61.1**	**64.0**	**60.5**	**57.1**	**63.7**	**62.5**	**63.5**	**61.1**	**62.3**

Appendix A3

Daily/Monthly CNEL Levels – November 2019

Day	RMT 1	RMT 2	RMT 3	RMT 4	RMT 6	RMT 7	RMT 9	RMT 10	RMT 11	RMT 12	RMT 13
1	67.4	63.5	65.7	63.2	66.9	72.8	64.3	58.1	66.8	59.9	59.9
2	64.9	61.9	62.3	61.6	67.7	71.1	64.1	58.2	66.3	58.2	59.1
3	66.8	64.3	62.0	63.8	68.2	73.6	67.2	60.0	68.8	57.1	62.6
4	66.1	63.7	60.2	63.9	69.1	74.5	68.7	62.9	71.3	61.6	64.4
5	69.7	66.6	64.8	66.0	68.0	73.6	65.7	62.6	70.0	60.4	64.6
6	69.4	67.0	63.7	65.5	68.7	74.6	67.4	63.5	71.2	61.9	65.8
7	71.9	66.0	67.8	69.9	69.6	76.4	66.1	62.5	72.7	60.4	65.7
8	68.6	65.0	64.7	64.6	68.3	75.3	67.2	62.4	72.1	61.0	64.7
9	64.4	61.5	59.2	62.4	67.0	74.2	65.7	60.2	70.6	59.1	63.3
10	67.5	66.2	62.0	64.6	68.5	74.9	66.0	62.9	71.3	61.0	65.2
11	69.1	66.3	63.8	64.9	68.6	74.7	65.4	63.6	71.4	62.1	65.9
12	67.2	63.1	64.8	68.5	67.9	76.4	66.2	60.4	73.1	58.4	64.0
13	68.9	65.8	63.8	65.5	68.5	75.1	64.4	63.4	71.2	61.9	64.9
14	71.1	67.6	65.7	67.6	68.5	74.2	65.2	63.4	71.0	62.5	65.8
15	70.2	67.3	66.0	65.7	68.5	74.6	63.5	63.1	71.2	63.2	65.9
16	67.1	64.9	62.2	64.0	67.3	73.8	64.4	61.6	70.4	59.8	64.7
17	60.3	64.2	59.0	64.1	69.5	75.7	67.3	62.1	71.5	59.4	65.1
18	65.5	64.8	61.5	63.6	68.6	74.6	64.3	62.9	71.1	61.2	64.7
19	70.3	66.7	64.4	68.2	68.9	74.3	66.7	63.1	70.7	61.4	64.8
20	71.4	67.8	64.5	67.2	70.9	74.3	68.4	65.3	70.6	63.8	66.2
21	70.2	67.3	64.8	66.6	69.9	75.6	68.6	64.0	72.1	62.0	66.7
22	69.3	66.5	66.9	65.2	69.5	75.3	66.0	63.6	71.8	62.1	66.4
23	67.8	65.4	64.9	64.1	68.5	73.9	66.2	62.1	70.4	60.2	65.0
24	68.5	66.1	63.7	64.4	68.8	74.2	67.3	62.7	70.5	61.2	65.5
25	68.3	66.3	63.3	64.7	69.7	74.6	68.6	63.7	71.3	62.0	66.4
26	68.9	66.8	64.1	65.2	69.3	75.2	65.3	63.9	71.3	64.4	66.3
27	71.2	67.8	65.3	66.8	70.1	75.2	69.2	64.3	71.7	63.3	66.7
28	67.7	64.6	62.4	65.5	68.0	73.4	64.1	61.8	70.2	59.7	64.2
29	70.2	66.8	64.7	65.2	68.3	73.5	67.5	63.2	69.7	61.1	64.7
30	68.9	66.6	64.4	65.0	69.2	75.2	64.3	64.5	71.5	63.5	66.5
Month	**68.8**	**65.9**	**64.2**	**65.6**	**68.8**	**74.6**	**66.5**	**62.8**	**71.0**	**61.4**	**65.1**

Appendix A3 Continued

Daily/Monthly CNEL Log – November 2019

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	59.4	63.0	62.5	60.0	60.2	53.2	50.8	57.1	56.2	59.0	54.4	60.1
2	58.6	60.9	60.3	60.2	61.1	53.9	49.9	56.2	56.6	57.3	54.6	57.8
3	61.4	62.5	62.9	61.2	63.3	57.0	52.9	60.6	59.5	61.1	58.1	60.6
4	64.2	62.5	62.3	64.1	66.7	59.2	56.0	64.7	60.8	62.6	59.9	60.2
5	63.8	65.7	64.9	60.9	62.9	59.6	56.8	62.7	61.0	63.1	60.7	63.9
6	64.9	64.6	65.1	61.8	63.7	61.0	57.9	64.0	62.2	64.0	61.8	63.8
7	67.3	64.0	64.2	61.7	58.6	60.4	56.8	64.0	62.2	63.7	61.2	63.1
8	65.6	64.6	63.7	61.9	62.0	60.0	55.9	62.9	61.8	63.0	60.2	62.0
9	64.1	59.6	59.9	60.9	63.9	58.3	54.9	61.7	60.5	61.4	59.1	60.4
10	64.1	64.2	64.6	55.5	63.0	60.4	56.1	63.0	62.0	63.7	60.6	63.0
11	64.5	64.3	64.6	57.0	58.0	61.1	58.2	66.4	62.8	64.3	61.1	64.2
12	67.5	60.5	62.2	62.0	61.5	58.3	55.3	62.0	60.8	61.8	59.7	59.6
13	65.2	64.0	64.1	59.6	59.9	60.2	56.8	62.9	62.3	63.4	60.6	62.8
14	64.6	65.0	65.7	59.8	59.9	61.1	57.7	64.0	63.0	64.2	61.9	64.4
15	64.7	68.3	65.4	55.8	58.3	61.1	57.8	64.1	63.3	64.2	61.8	64.5
16	64.5	62.8	63.0	57.6	59.0	61.4	57.1	63.0	62.9	62.7	61.3	61.4
17	63.8	62.4	62.5	62.4	65.4	59.5	55.4	63.5	63.4	63.2	59.8	61.1
18	63.4	63.7	63.2	58.5	63.1	59.8	55.8	67.8	61.7	62.8	59.7	61.7
19	64.5	65.2	65.3	63.6	64.6	59.9	57.0	62.9	62.5	63.4	60.2	63.9
20	65.3	66.2	66.1	64.9	66.3	61.5	59.5	64.5	65.9	64.7	62.5	65.6
21	65.4	66.2	65.5	62.3	69.2	63.2	59.5	65.0	64.6	64.5	63.1	64.6
22	65.4	66.3	64.8	59.3	63.4	61.6	58.2	64.8	63.4	64.8	62.2	63.9
23	64.2	64.2	63.9	63.0	64.0	59.9	57.2	63.3	62.4	63.2	61.2	63.4
24	64.4	64.5	64.6	61.3	64.7	60.4	57.7	63.8	63.3	63.8	61.6	63.1
25	64.9	65.6	64.6	58.3	67.9	61.0	58.5	68.2	64.5	64.7	61.8	64.3
26	64.6	65.3	65.1	58.2	64.0	61.3	57.8	64.5	65.2	64.5	61.9	64.1
27	64.8	66.3	65.9	59.8	68.0	61.9	58.7	65.0	64.7	65.1	62.4	64.9
28	64.3	62.9	63.3	61.6	64.3	58.9	56.2	62.3	63.0	62.2	59.5	61.8
29	63.4	65.4	65.2	62.4	65.5	60.4	57.7	63.0	63.0	62.9	61.3	63.8
30	65.1	64.8	64.8	53.4	64.9	61.7	58.7	64.8	63.4	64.8	62.5	63.8
Month	**64.6**	**64.6**	**64.2**	**61.0**	**64.2**	**60.3**	**57.1**	**64.0**	**62.7**	**63.4**	**60.9**	**63.1**

Appendix A4

Daily/Monthly CNEL Levels – December 2019

Day	RMT 1	RMT 2	RMT 3	RMT 4	RMT 6	RMT 7	RMT 9	RMT 10	RMT 11	RMT 12	RMT 13
1	69.4	66.9	63.3	65.5	69.5	75.9	66.0	64.4	72.2	64.2	67.1
2	69.9	66.7	64.8	65.5	69.8	75.1	66.8	64.5	71.4	62.6	66.6
3	69.3	66.9	63.9	65.7	69.2	74.9	64.8	63.9	71.7	63.1	66.3
4	71.4	67.8	68.1	71.3	70.3	75.6	68.3	63.6	71.8	61.9	65.6
5	70.3	66.6	66.4	65.4	69.1	74.7	66.8	63.8	0.0	62.2	66.2
6	69.4	66.3	65.3	65.0	68.1	74.9	63.4	63.0	71.4	62.3	66.1
7	67.7	64.4	62.6	63.2	67.0	73.5	66.5	61.1	70.2	59.6	64.9
8	71.2	67.5	64.7	66.3	69.1	74.8	67.1	64.1	71.4	62.1	66.6
9	69.1	66.4	64.4	64.9	69.5	74.6	67.8	63.9	71.0	61.9	66.0
10	69.2	66.2	65.0	65.2	68.5	73.7	65.3	62.8	70.1	61.4	65.0
11	69.9	66.5	65.1	65.5	68.7	74.4	64.1	63.5	70.4	63.1	65.9
12	70.5	66.9	65.5	66.5	70.1	75.4	66.6	63.1	71.7	61.4	65.8
13	69.6	66.2	65.2	66.0	68.2	74.8	67.2	62.6	71.7	60.7	65.2
14	68.0	65.1	62.5	63.4	67.3	73.4	62.7	62.0	70.2	60.7	64.7
15	68.4	66.4	63.6	64.6	69.1	74.0	65.0	63.3	70.5	61.1	65.9
16	61.2	64.1	61.0	62.7	68.8	74.0	66.3	62.2	70.2	60.0	64.6
17	61.1	62.3	59.9	61.5	68.8	73.7	63.0	60.5	69.9	59.7	63.2
18	68.4	65.9	66.2	64.2	68.4	74.6	63.6	62.7	70.8	61.2	64.9
19	70.7	66.4	69.4	65.0	70.1	74.8	67.7	63.5	70.9	62.0	65.5
20	71.5	66.1	70.0	65.1	70.2	74.8	69.1	63.1	70.7	61.1	64.9
21	69.7	65.3	68.1	64.3	70.0	74.9	67.6	63.3	70.8	59.8	64.2
22	68.1	64.3	66.8	68.9	70.4	76.3	67.1	62.5	73.6	59.7	65.4
23	71.9	66.5	66.6	68.9	71.5	76.8	68.5	65.8	73.6	63.8	67.3
24	70.4	66.7	63.9	65.0	68.4	73.6	67.7	63.2	70.1	61.2	65.0
25	67.4	64.0	62.6	66.5	69.0	74.6	67.1	62.0	71.8	59.2	64.7
26	72.2	68.3	70.0	71.1	69.5	74.0	65.4	63.0	71.2	61.1	64.3
27	71.2	67.2	68.7	65.0	69.5	75.5	65.5	64.4	71.7	63.0	66.4
28	70.7	66.7	68.5	65.8	69.6	75.8	66.2	64.3	72.1	62.0	66.5
29	70.7	66.9	66.4	64.9	69.9	76.0	66.1	64.7	72.5	62.4	67.0
30	70.4	66.8	66.3	65.3	69.7	75.0	66.8	64.2	71.7	62.1	66.4
31	69.2	64.9	65.9	63.6	69.2	73.7	68.5	62.2	69.9	60.5	64.9
Month	**69.8**	**66.3**	**66.2**	**66.1**	**69.3**	**74.9**	**66.6**	**63.4**	**71.4**	**61.7**	**65.7**

Appendix A4 Continued

Daily/Monthly CNEL Log – December 2019

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	65.8	65.2	65.5	59.7	62.0	61.9	58.7	65.3	63.9	65.2	63.2	64.1
2	65.4	65.1	65.1	59.4	65.8	61.6	58.7	68.3	64.5	65.0	63.0	64.1
3	65.2	65.0	65.5	56.7	60.6	61.7	58.3	64.5	63.7	64.5	62.3	64.3
4	66.5	66.1	66.6	66.5	66.8	60.2	57.5	63.7	62.7	63.9	61.2	64.4
5	65.3	66.8	64.9	61.7	64.9	61.1	58.2	64.4	63.1	64.8	62.5	64.3
6	65.4	65.1	64.7	56.0	63.1	61.0	58.1	64.4	63.1	64.4	63.5	63.7
7	64.1	62.7	62.6	56.9	65.2	59.6	57.1	63.0	62.4	62.8	61.3	61.3
8	65.3	65.5	66.0	62.3	65.0	61.4	58.3	64.7	64.9	64.9	62.4	64.2
9	64.9	64.9	64.9	64.4	65.3	61.1	58.8	66.1	63.8	64.3	62.6	63.7
10	64.1	64.8	64.8	61.1	62.0	60.0	57.4	63.3	62.6	63.2	61.7	63.8
11	64.7	64.9	64.9	59.7	55.2	60.8	58.2	64.2	62.5	64.2	62.2	64.0
12	65.6	65.6	65.3	60.8	64.8	60.8	58.1	64.0	63.3	63.9	62.2	63.7
13	65.3	63.9	64.6	58.5	64.1	59.8	57.8	63.3	64.4	63.6	60.8	62.3
14	63.7	63.1	63.3	56.4	59.0	60.2	57.2	62.9	63.9	62.8	61.5	61.9
15	64.5	65.1	64.9	61.1	62.1	61.2	58.4	64.3	64.7	64.2	62.2	63.6
16	64.0	63.1	62.4	64.2	64.0	59.4	56.8	64.6	62.0	62.9	60.8	61.1
17	63.0	60.8	59.3	57.5	59.6	57.4	55.4	61.4	60.1	61.6	59.0	58.4
18	64.0	64.8	64.4	59.1	59.9	59.9	56.8	63.4	61.8	63.7	60.8	63.1
19	64.8	65.0	64.8	66.9	65.3	61.3	58.4	64.0	63.2	63.9	62.2	63.8
20	64.0	66.6	64.4	64.6	66.8	60.2	57.3	63.2	61.9	63.8	60.7	63.0
21	63.2	65.2	63.6	57.7	65.8	59.5	55.4	62.4	62.0	62.9	59.3	61.7
22	68.2	63.5	63.5	64.9	66.0	60.1	58.4	63.8	61.5	62.4	61.9	61.3
23	68.0	65.1	64.9	62.1	65.5	63.0	60.3	66.6	64.6	65.3	63.6	63.5
24	64.6	65.3	64.9	62.3	66.0	60.8	58.4	63.3	62.5	63.0	61.8	63.7
25	67.2	62.7	62.8	64.9	64.4	59.2	57.7	63.2	61.4	62.1	61.2	61.0
26	65.5	67.0	67.5	66.6	61.4	60.2	56.2	62.9	64.6	62.3	59.7	65.4
27	65.2	65.9	65.2	58.8	65.9	62.0	59.1	64.9	64.2	64.6	62.5	65.0
28	65.5	65.4	65.0	57.0	65.1	61.8	59.1	64.9	63.3	64.6	62.6	64.0
29	65.6	65.1	65.0	58.8	66.0	62.1	58.8	65.2	63.6	65.3	62.0	64.0
30	65.5	65.1	64.9	59.8	64.5	61.5	59.1	65.5	62.4	64.5	61.8	63.4
31	64.5	64.8	63.0	65.0	67.3	60.5	57.9	63.3	61.6	62.9	61.1	61.9
Month	**65.3**	**65.0**	**64.7**	**62.2**	**64.5**	**60.8**	**58.1**	**64.4**	**63.2**	**63.9**	**61.9**	**63.4**

Appendix B

ANOMS Commercial Flight Operations Mix – 4th Quarter 2019

Aircraft Type	Air Canada Rouge	Alaska	Allegiant	American	British Airways	Compass	Delta Air Lines	Edelweiss	Frontier	Hawaiian	Japan	Jazz	jetBlue	Lufthansa	SkyWest	Southwest	Spirit	Sun Country	United	WestJet	Atlas	FedEx	UPS	Total Operations
A20N	0	0	0	0	0	0	0	0	350	0	0	0	0	0	0	0	0	0	0	0	0	0	0	350
A21N	0	8	0	50	0	0	0	0	0	190	0	0	0	0	0	0	136	0	0	0	0	0	0	384
A221	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
A319	18	565	12	2	0	0	324	0	349	0	0	0	0	0	0	0	297	0	351	0	0	0	0	1,918
A320	2	1,821	0	6	0	0	1,181	0	192	0	0	0	324	0	0	0	192	0	677	0	0	0	0	4,395
A321	166	0	0	2,925	0	0	2,068	0	14	0	0	0	750	0	0	0	229	0	0	0	0	0	0	6,152
A332	0	0	0	0	0	0	0	0	0	178	0	0	0	0	0	0	0	0	0	0	0	0	0	178
A343	0	0	0	0	0	0	0	0	0	0	0	0	0	116	0	0	0	0	0	0	0	0	0	116
A346	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
B38M	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
B39M	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
B712	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
B736	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	0	0	0	16
B737	0	12	0	0	0	0	0	0	0	0	0	0	0	0	0	14,766	0	0	96	60	0	0	0	14,934
B738	0	961	0	1,319	0	0	220	0	0	0	0	0	0	0	0	5,440	0	232	1,047	68	0	0	0	9,287
B739	0	1,783	0	0	0	0	25	0	0	0	0	0	0	0	0	0	0	0	2,269	0	0	0	0	4,077
B744	0	0	0	0	114	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	116
B752	0	0	0	163	0	0	383	0	0	0	0	0	0	0	0	0	0	0	520	0	0	154	14	1,234
B753	0	0	0	0	0	0	209	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	213
B762	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36	0	0	36
B763	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	94	380	254	728
B764	0	0	0	0	0	0	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26
B772	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
B77W	0	0	0	0	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50
B788	0	0	0	0	0	0	0	0	0	0	182	0	0	0	0	0	0	0	0	0	0	0	0	182
CRJ2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	446	0	0	0	0	0	0	0	0	446
CRJ7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	356	0	0	0	0	0	0	0	0	356
CRJ9	0	0	0	0	0	0	0	0	0	0	0	448	0	0	0	0	0	0	0	0	0	0	0	448
DC10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	128	0	0	128
E175	0	1,074	0	0	0	1,921	0	0	0	0	0	0	0	0	3,218	0	0	0	0	0	0	0	0	6,213
MD80+	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	186	6,224	12	4,465	164	1,921	4,438	0	905	368	182	448	1,074	116	4,020	20,206	854	232	4,964	144	132	662	268	51,985
BE99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	154	154
C208	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	430	0	430
PA31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	64	64
SW3/4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	62	62
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	430	280	710

Comparison of the 2018 and 2019 Fourth Quarter 65 dB Community Noise Equivalent Level (CNEL) Contours
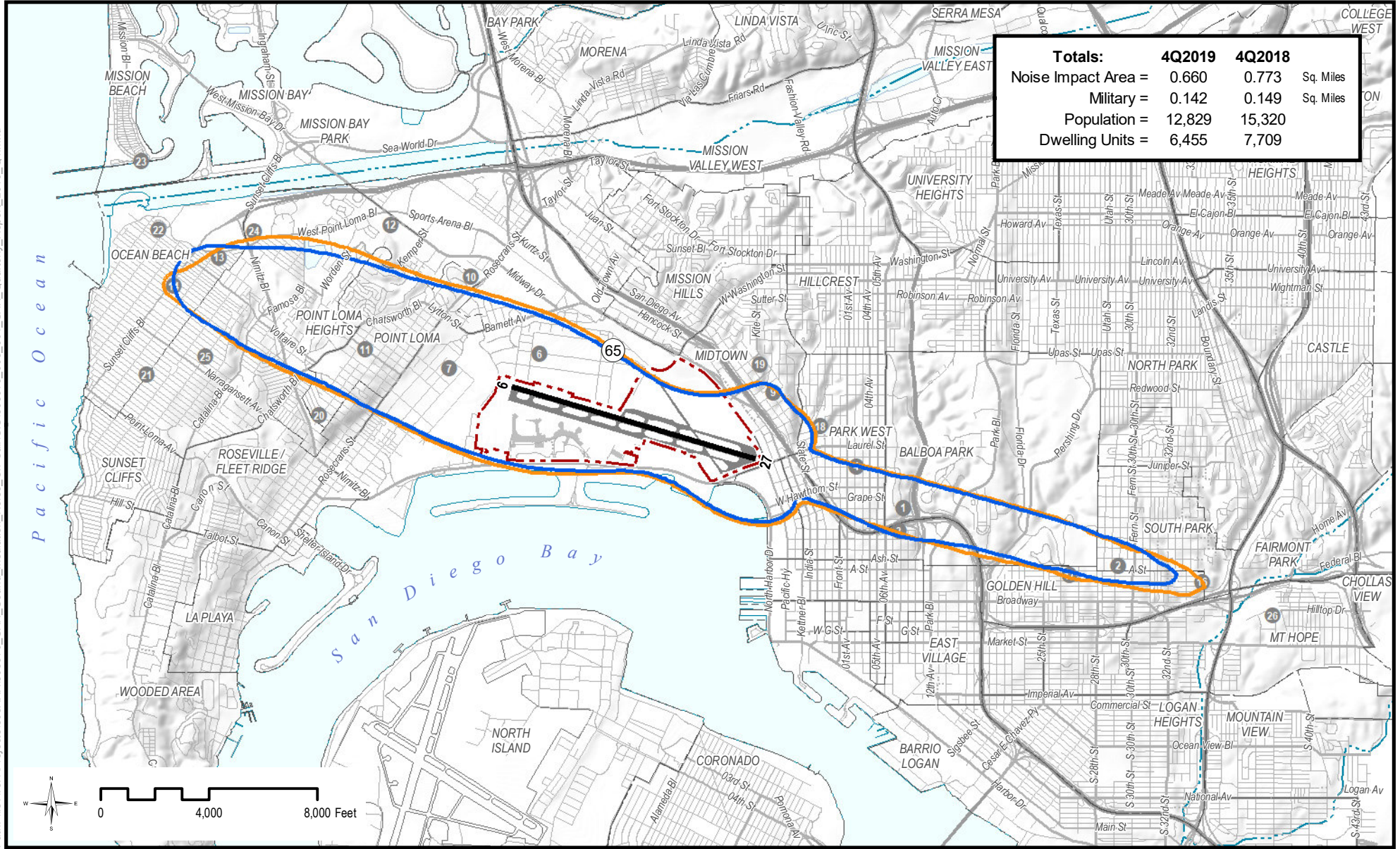
Totals:	4Q2019	4Q2018	
Noise Impact Area =	0.660	0.773	Sq. Miles
Military =	0.142	0.149	Sq. Miles
Population =	12,829	15,320	
Dwelling Units =	6,455	7,709	

SAN DIEGO INTERNATIONAL AIRPORT
LET'S GO.

Legend:
— 2019 4th Quarter 65 dB CNEL Contour
— 2018 4th Quarter 65 dB CNEL Contour

Airport Property
RMT Site Location
Roads
Runway
River / Stream

0 4,000 8,000 Feet

hmmh