

Quarterly Noise Report

For: California Department of Transportation

1st Quarter 2019

January 1, 2019 – March 31, 2019



SAN DIEGO
INTERNATIONAL AIRPORT

LET'S **GO.**

Airport Noise Office

September 5, 2019



**Quarterly Noise Report
For the Period**

January 1, 2019 through March 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 September 2, 2019.

This Quarterly Report for the 1st Quarter of 2019 was prepared by Airport Noise Staff at San Diego International Airport, in accordance with the Airport Noise Standards, State of California.

Brendan Reed
Director of Planning & Environmental Affairs

Kimberly 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 = 0.720 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:
9,957* (QHP Insulated = 3,831)

3. Estimated number of people residing within the Noise Impact Area as defined in the Noise Standards:
19,698* (QHP Insulated = 9,578)

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: 179

5. Total number of aircraft operations during the calendar quarter:
54,316

6. Number of Air Carrier operations by aircraft certified under Federal Aviation Regulations (FAR) Part 36:
48,343

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:
3,346

9. Estimated number of operations by General Aviation aircraft during the calendar quarter:
2,410

10. Estimated number of operations by Military aircraft during the calendar quarter:
217

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), 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 April 1, 2018 through March 31, 2019 to be 0.720 square miles (460.8 acres) and 0.149 square miles (95.4 acres), respectively. As compared to the period of April 1, 2017 through March 31, 2018, the N.I.A. decreased by -0.122 square miles (78.1 acres) and the Federal M.I.A. increased by 0.001 square miles (0.6 acres).

The reduction in the size of the 1st Quarter of 2019 N.I.A. compared to the 1st Quarter of 2018 is largely due to the changes in aircraft fleet mix. Essentially, louder aircraft were replaced by quieter aircraft. The following changes in aircraft fleet that have resulted in a reduction in the size of the noise contour.

- 45% increase in the number of quieter B737MAX operations. (Note: The B737MAX was not grounded until March 13, 2019)
- 35% and 33% increase in the number of A320neo and A321neo operations, respectively.
- Elimination of seasonal MD11 widebody operations.
- 54% reduction in the number of DC10 widebody operations.
- 41% and 25% reduction of louder MD80 and MD90 operations, respectively.
- 33% reduction in the number of CRJ7 operations, replaced with quieter Embraer 175 aircraft.

Table 1

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

Impact Area	January 1, 2019 to March 31, 2019	January 1, 2018 to March 31, 2018	Change
N.I.A.	0.720	0.842	-0.122
M.I.A.	0.149	0.148	0.001

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 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 CNEL contours for the April 1, 2018 through March 31, 2019 evaluation period accompanies this report as an attachment.

Table 2Quarterly and Annual CNEL Data

RMT #	Annual CNEL (dB) ¹	Quarter CNEL (dB) ²
1	69.2	68.6
2	66.5	65.8
3	66.9	64.8
4	65.7	65.6
6	69.2	69.1
7	75.3	74.8
9	67.4	67.1
10	63.6	63.8
11	71.6	71.2
12	62.0	61.8
13	66.1	65.6
14	65.3	65.4
16	64.7	64.3
17	65.1	64.3
18	62.5	64.3
19	64.0	64.3
20	61.3	60.9
21	58.3	58.2
22	64.8	64.6
23	63.9	63.7
24	64.3	63.9
25	62.3	62.1
26	63.5	62.3

¹ = April 1, 2018 through March 31, 2019

² = January 1, 2019 through March 31, 2019

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

Aircraft Operations

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). This data can be obtained from the FAA's Air Traffic Activity Data System.

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

Table 3

SAN Air Traffic Control Tower Counts

Operations	1st Quarter 2019	1st Quarter 2018	Increase / Decrease	Percent Change
Air Carrier	48,343	46,357	1,986	4.3%
Air Taxi	3,346	3,106	240	7.7%
General Aviation	2,410	2,434	(24)	-1.0%
Military	217	186	31	16.7%
Total	54,316	52,083	2,233	4.3%

Quarterly Operations Survey Report

The Quarterly Operations Survey Report for SAN encompasses the 1st 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 February 12-14, 2019 (Tables 5 through 7).

Table 4

Single Event Noise Exposure Level (SENEL) Comparison

	February 12-14, 2019	February 13-15, 2018	Change (dB)
Departures	99.5	100.8	-1.3
Arrivals	93.9	94.8	-0.9

Table 5

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

Aircraft Type	SENEL (dB)	Arriving From	Flight Number	Date and Time
B744	101.8	LHR	BAW44N	2/14/2019 4:52 PM
B744	98.2	LHR	BAW44N	2/12/2019 4:53 PM
A343	95.5	FRA	DLH5Y	2/14/2019 1:41 PM
B763	95.2	IND	FDX3713	2/14/2019 5:42 PM
B763	94.8	MEM	FDX906	2/14/2019 5:26 PM
B738	94.7	MIA	AAL2674	2/14/2019 10:46 PM
B737	94.6	OAK	SWA1506	2/14/2019 2:11 PM
B738	94.5	SMF	SWA4328	2/14/2019 2:47 PM
B752	94.5	LAX	UAL505	2/14/2019 10:35 PM
B763	94.5	SDF	UPS922	2/13/2019 5:32 AM
E75L	94.3	LAX	CPZ5820	2/14/2019 1:44 PM
B738	94.3	DAL	SWA2063	2/14/2019 2:25 PM
B763	94.3	SDF	UPS2922	2/14/2019 5:44 PM
B752	94.2	EWR	UAL994	2/14/2019 11:03 PM
B739	94.1	SEA	ASA142	2/14/2019 11:36 PM
B737	94.1	OAK	SWA862	2/14/2019 10:42 PM
B737	94.0	BOI	SWA1927	2/14/2019 3:58 PM
B738	94.0	DAL	SWA32	2/14/2019 5:52 PM
B739	93.9	PDX	ASA572	2/14/2019 2:35 PM
B739	93.8	SEA	ASA914	2/14/2019 3:02 PM
B738	93.7	DFW	AAL2819	2/14/2019 10:55 PM
A321	93.7	PHX	AAL491	2/14/2019 3:24 PM
B739	93.7	SLC	DAL1475	2/14/2019 11:14 PM
B763	93.7	MEM	FDX906	2/12/2019 5:20 PM
B739	93.7	ORD	UAL651	2/14/2019 10:09 PM
B763	93.7	SDF	UPS2922	2/12/2019 5:58 PM
B737	93.6	AUS	SWA196	2/14/2019 9:34 PM
B737	93.5	OAK	SWA2317	2/14/2019 11:23 PM
B738	93.5	OAK	SWA9019	2/14/2019 8:57 PM
B752	93.5	EWR	UAL1593	2/14/2019 6:04 PM
B738	93.4	DFW	AAL1243	2/14/2019 8:49 PM
A321	93.4	CLT	AAL884	2/14/2019 10:37 PM
B738	93.4	SEA	SWA2321	2/14/2019 8:55 PM
B737	93.4	SJC	SWA5484	2/14/2019 2:43 PM
B739	93.4	IAH	UAL1916	2/14/2019 8:13 PM
A321	93.3	ATL	DAL1264	2/14/2019 2:15 PM
B738	93.3	MCI	SWA1644	2/14/2019 4:07 PM
B737	93.3	MDW	SWA855	2/14/2019 3:52 PM
B739	93.3	SFO	UAL2423	2/14/2019 10:57 PM

Table 5 Continued

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

Aircraft Type	SENEL (dB)	Departing To	Flight Number	Date and Time
B739	93.2	HNL	ASA892	2/14/2019 9:39 PM
A321	93.2	LAX	FFT1127	2/14/2019 3:55 PM
A332	93.2	HNL	HAL16	2/14/2019 9:41 PM
B737	93.2	PHX	SWA816	2/14/2019 3:46 PM
B738	93.2	STL	SWA915	2/14/2019 4:12 PM
B738	93.1	SEA	DAL1330	2/14/2019 2:17 PM
B738	93.1	MCO	SWA2298	2/14/2019 8:00 PM
B738	93.0	MCO	ASA339	2/14/2019 8:19 PM
B752	93.0	EWR	UAL2379	2/12/2019 9:40 PM
A320	92.9	SEA	ASA1176	2/14/2019 1:46 PM
B738	92.9	LAS	SWA4079	2/14/2019 11:25 PM
B738	92.8	ORD	AAL1543	2/14/2019 7:22 PM
B738	92.8	KOA	ASA196	2/14/2019 10:00 PM
B739	92.8	SEA	ASA436	2/14/2019 9:33 PM
B739	92.8	OMA	ASA769	2/14/2019 10:39 PM
E75L	92.8	DAL	SKW3335	2/14/2019 2:30 PM
B737	92.8	SJC	SWA4607	2/14/2019 1:56 PM
A320	92.8	IAH	UAL1870	2/14/2019 4:14 PM
B738	92.8	IAD	UAL231	2/14/2019 3:15 PM
A321	92.7	ATL	DAL990	2/14/2019 9:43 PM
B762	92.7	PHX	GTI505	2/12/2019 8:51 AM
B737	92.7	PDX	SWA2255	2/14/2019 9:15 PM
B739	92.6	SEA	ASA472	2/14/2019 4:43 PM
E75L	92.6	SEA	QXE2392	2/14/2019 3:08 PM
A321	92.5	DFW	AAL2568	2/14/2019 11:16 PM
B738	92.5	SEA	DAL1368	2/14/2019 6:01 PM

Table 6

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

Aircraft Type	SENEL (dB)	Destination	Flight Number	Date and Time
B744	105.6	LHR	BAW72A	2/14/2019 7:45 PM
A343	104.7	FRA	DLH2P	2/14/2019 3:42 PM
B744	103.9	LHR	BAW72A	2/12/2019 7:38 PM
A321	101.9	CLT	AAL596	2/13/2019 11:59 PM
A321	101.9	CLT	AAL1740	2/14/2019 11:04 PM
A343	101.7	FRA	DLH2P	2/12/2019 3:16 PM
A321	101.4	ATL	DAL1264	2/13/2019 3:26 PM
A332	100.9	HNL	HAL15	2/13/2019 10:08 AM
A321	100.6	ATL	DAL990	2/12/2019 10:58 PM
B739	100.5	MSP	DAL1344	2/13/2019 6:39 AM
A321	100.5	DFW	AAL1229	2/13/2019 5:11 PM
B739	100.4	DTW	DAL1506	2/13/2019 7:35 AM
A321	100.4	BOS	JBU620	2/13/2019 3:04 PM
A321	100.4	PHL	AAL2066	2/14/2019 11:08 PM
A321	100.3	CLT	AAL1651	2/13/2019 6:38 AM
A321	100.3	YYZ	ROU1886	2/13/2019 1:40 PM
B739	100.2	DTW	DAL1467	2/13/2019 1:06 PM
B739	100.0	IAD	UAL546	2/13/2019 8:28 AM
A321	99.9	CLT	AAL596	2/12/2019 10:51 PM
B738	99.9	HNL	ASA895	2/13/2019 9:34 AM
A321	99.8	CLT	AAL639	2/13/2019 12:01 PM
A321	99.8	BOS	JBU20	2/13/2019 10:16 PM
B739	99.7	IAD	UAL546	2/12/2019 8:21 AM
A321	99.6	ATL	DAL1339	2/13/2019 6:35 AM
A321	99.5	CLT	AAL1651	2/12/2019 6:31 AM
A321	99.5	ATL	DAL1352	2/14/2019 10:37 PM
B739	99.4	BOS	ASA798	2/13/2019 8:45 AM
A321	99.3	PHL	AAL2078	2/12/2019 10:57 PM
B739	99.1	EWR	ASA772	2/13/2019 6:42 AM
B738	99.0	ORD	UAL913	2/13/2019 6:31 AM
A321	98.9	ATL	DAL1345	2/13/2019 8:14 AM
A332	98.8	HNL	HAL15	2/12/2019 10:10 AM
A321	98.8	DFW	AAL1077	2/13/2019 7:10 AM
A321	98.7	JFK	JBU90	2/12/2019 9:31 PM
B739	98.7	PDX	ASA571	2/14/2019 4:03 PM
B738	98.7	IAD	UAL1916	2/14/2019 10:49 PM
B738	98.6	JFK	DAL2929	2/13/2019 8:04 AM
B738	98.6	JFK	AAL2458	2/13/2019 8:08 AM
B738	98.6	ORD	UAL8150	2/14/2019 3:22 PM

Table 6 Continued

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

Aircraft Type	SENEL (dB)	Departing To	Flight Number	Date and Time
A321	98.5	ATL	DAL1339	2/12/2019 6:33 AM
B738	98.5	KOA	ASA185	2/12/2019 8:39 AM
A321	98.5	DFW	AAL131	2/13/2019 12:04 PM
B739	98.5	BWI	ASA378	2/14/2019 10:45 PM
B738	98.4	BWI	SWA493	2/13/2019 6:33 AM
B788	98.4	NRT	JAL65	2/14/2019 12:46 PM
B738	98.4	ORD	AAL2680	2/14/2019 4:11 PM
B739	98.3	SEA	ASA481	2/13/2019 10:20 AM
B739	98.2	MSP	DAL1337	2/12/2019 2:43 PM
A321	98.2	DFW	AAL2535	2/13/2019 6:53 AM
B788	98.2	NRT	JAL65	2/13/2019 1:04 PM
A321	98.2	BOS	JBU20	2/14/2019 9:21 PM
B738	98.1	MIA	AAL1209	2/12/2019 10:04 PM
A321	98.1	ATL	DAL1264	2/14/2019 3:46 PM
A321	98.0	ATL	DAL1345	2/12/2019 8:08 AM
B739	98.0	DEN	UAL1209	2/13/2019 8:36 AM
A321	98.0	DFW	AAL491	2/14/2019 4:32 PM
B739	97.9	IAH	UAL2094	2/12/2019 8:14 AM
B738	97.9	ORD	AAL134	2/13/2019 9:45 AM
B738	97.8	JFK	DAL2929	2/12/2019 7:58 AM
B738	97.8	HNL	ASA895	2/12/2019 9:30 AM
A321	97.8	BOS	JBU20	2/12/2019 9:52 PM
A321	97.8	BOS	JBU620	2/14/2019 3:38 PM
B738	97.8	MIA	AAL1209	2/14/2019 9:57 PM
B739	97.7	DTW	DAL1467	2/12/2019 1:07 PM

Table 7

Air Carrier Operations Mix by Time of Day and Runway Use (February 12-14, 2019 – Per Day Average)

Aircraft Type	Runway 9						Runway 27						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	
A20N	0	0	0	0	0	0	0	0	0	1	0	0	1
A21N	0	0	0	0	0	0	0	1	0	0	0	0	1
A319	2	0	1	2	0	0	2	0	1	3	0	0	11
A320	3	1	0	3	1	0	6	2	1	6	2	2	27
A321	7	2	1	5	0	1	10	3	2	12	1	3	47
A332	0	0	0	0	0	0	0	0	0	0	0	0	0
A343	0	0	0	0	0	0	1	0	0	1	0	0	2
B38M	1	0	0	1	0	0	1	1	0	1	1	0	6
B39M	0	0	0	0	0	0	0	0	0	0	0	0	0
B712	0	0	0	0	0	0	0	0	1	0	0	1	2
B737	17	5	2	19	3	1	31	11	4	30	9	6	138
B738	17	5	2	16	5	0	21	8	4	28	6	3	115
B739	6	3	1	8	0	2	6	6	3	11	0	3	49
B744	0	0	0	0	0	0	1	0	0	0	1	0	2
B752	2	0	0	2	1	0	1	0	1	2	1	1	11
B753	0	0	0	0	0	0	1	0	0	1	0	0	2
B762	0	0	0	0	0	0	1	0	0	0	0	0	1
B763	0	0	1	0	1	0	2	0	1	1	2	1	9
B788	0	0	0	0	0	0	1	0	0	1	0	0	2
BE99	0	0	0	0	0	0	1	0	0	1	0	0	2
C208	1	0	0	1	0	0	2	0	0	2	0	0	6
CRJ2	0	0	0	0	0	0	1	1	0	1	1	0	4
CRJ7	1	0	0	0	0	0	1	1	0	1	1	0	5
CRJ9	1	0	0	1	0	0	1	0	0	1	0	0	4
E75L	10	2	1	11	1	1	16	4	2	17	3	2	70
P31	0	0	0	0	0	0	0	0	0	0	0	0	0
SW4	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	68	18	9	69	12	5	107	38	20	121	28	22	517

Aircraft Noise Complaints

During the 1st Quarter of 2019, the Airport Noise Office received a total of 44,465 complaints from 190 households. Where possible, each complaint is correlated with a specific flight and examined for its validity. Those flights that indicate a possible violation of the Airport Use Regulations, Time of Day Restrictions, are investigated and appropriate enforcement action is taken.

Enforcement Actions

The Airport Use Regulations at San Diego International Airport (SAN) establish Time of Day Restrictions for all operators. The Airport Noise Office 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, for the disposition of incidents.

During the 1st Quarter of 2019, there were a total of 13 curfew violations. The 13 curfew violations recorded during the 1st Quarter of 2019 reflects an increase of 1 from the 12 curfew violations recorded during the 1st Quarter of 2018.

Residential Sound Insulation Program

Per the requirements of SAN's Variance agreement, the following is 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 QHP has established eight eligibility boundaries. The eight boundaries are the Pilot/Phase 1A Boundary, the Phase 1B Boundary, the Phase 1C Boundary, the Supplemental Expansion Boundaries 1, 2, & 3, the 2014 NEM 68 dB CNEL boundary, and the 2014 NEM 67 dB CNEL boundary. Within each boundary there have been subsets, called phases and groups. Through 1st Quarter 2019, QHP has completed 3,831 dwelling units.

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](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
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 – January 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	59.5	62.7	59.8	64.2	66.6	73.1	50.5	59.7	69.1	56.8	62.8
2	67.1	65.6	63.8	64.0	68.9	74.1	62.7	62.3	69.6	61.3	64.3
3	68.8	65.2	66.9	64.0	69.0	74.1	67.7	62.7	69.2	62.2	63.8
4	68.8	65.7	65.5	64.5	69.5	74.3	67.5	63.8	70.2	61.5	64.7
5	66.4	62.6	65.2	67.5	68.5	75.9	67.8	61.8	72.9	58.7	64.4
6	68.9	66.2	64.1	64.4	69.9	74.5	68.9	63.4	70.9	61.5	66.2
7	68.5	65.1	64.3	64.7	68.4	73.8	68.1	63.8	70.0	61.5	65.2
8	67.9	64.8	64.3	63.7	68.9	73.7	68.2	63.0	70.0	63.1	65.2
9	68.7	65.1	64.4	63.8	68.4	73.0	66.7	63.1	69.8	61.3	64.6
10	69.3	65.7	64.8	64.6	68.1	73.5	61.1	62.8	70.0	61.8	64.6
11	68.2	65.0	63.9	65.6	68.6	75.2	64.6	62.8	71.6	62.1	64.8
12	67.8	64.1	64.0	63.8	68.2	72.7	62.9	62.2	69.3	59.8	63.9
13	65.9	64.2	61.4	62.9	68.3	74.3	63.1	62.2	70.9	60.2	65.3
14	66.7	62.7	68.0	70.4	70.1	75.6	68.1	61.3	72.8	59.5	64.5
15	67.1	63.3	62.6	64.5	68.4	75.3	66.4	62.2	72.5	60.2	65.3
16	67.5	65.0	62.0	63.4	69.0	74.6	66.9	63.1	71.4	61.7	65.3
17	68.7	64.7	66.1	68.6	70.0	75.9	68.4	62.4	72.5	60.4	65.7
18	70.1	66.9	66.5	65.0	68.0	74.5	66.7	62.8	71.2	61.9	65.8
19	66.2	62.8	64.2	61.7	67.0	73.5	61.1	61.6	69.8	59.7	63.8
20	67.0	64.5	62.0	63.2	67.7	73.9	65.1	61.8	70.3	59.0	64.3
21	68.9	65.7	64.7	64.1	69.6	72.8	68.1	63.8	69.3	63.1	65.0
22	66.2	64.0	62.7	63.1	68.2	73.7	63.1	62.1	69.4	60.4	63.7
23	66.8	64.0	63.1	63.2	67.0	72.4	64.5	60.5	67.9	58.0	61.8
24	66.2	63.8	64.2	62.7	69.7	74.1	66.7	62.0	70.1	60.5	64.2
25	66.8	63.6	65.6	62.7	68.8	73.2	63.7	61.3	68.8	63.0	64.1
26	64.3	62.3	63.4	61.1	66.2	71.4	62.9	60.2	67.9	55.8	61.7
27	64.9	63.5	61.6	62.1	67.6	73.5	63.2	60.8	69.4	59.5	63.7
28	66.7	64.6	63.5	63.6	68.2	73.2	66.0	62.8	69.3	61.7	64.7
29	67.5	64.8	62.7	63.9	67.8	73.4	66.1	62.9	70.2	61.2	64.6
30	67.0	65.1	62.3	63.8	68.4	73.6	65.8	63.0	70.0	62.7	65.1
31	69.1	65.6	65.5	67.5	69.1	75.2	69.3	63.0	71.8	61.1	65.6
Month	68.0	65.1	64.8	65.3	69.1	74.6	66.7	62.9	71.0	61.5	65.1

Appendix A2 Continued

Daily/Monthly CNEL Levels – January 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	63.4	60.2	61.3	56.4	46.0	57.4	54.0	61.1	59.4	60.7	58.8	59.3
2	63.1	64.1	64.1	57.5	58.7	59.6	56.1	62.8	61.3	62.7	60.2	62.9
3	62.7	63.6	63.9	60.3	65.1	58.5	55.2	61.9	60.7	62.2	59.1	62.7
4	63.6	65.0	64.4	63.5	66.4	59.6	56.9	62.9	62.1	63.2	60.6	63.0
5	67.8	61.5	62.4	64.8	66.0	58.6	56.5	62.7	62.2	61.8	60.3	59.8
6	65.1	64.4	64.6	61.9	67.2	61.1	58.9	64.6	65.5	64.6	62.5	63.5
7	64.6	63.5	63.4	60.4	64.3	60.3	58.1	67.1	63.9	63.1	61.9	62.4
8	64.8	64.0	62.9	66.1	67.5	59.6	57.1	63.7	63.6	63.5	61.3	62.4
9	64.5	63.3	63.9	62.0	65.5	60.6	57.8	63.2	63.1	62.9	61.9	62.6
10	64.1	63.7	64.2	57.0	54.1	60.6	57.7	63.0	63.9	63.1	61.7	62.5
11	65.7	63.7	63.5	58.9	60.6	60.3	57.3	63.0	62.9	62.9	61.3	62.7
12	63.9	62.9	62.8	58.3	60.7	59.2	57.1	62.4	61.8	62.1	61.1	61.4
13	64.9	62.9	62.6	52.7	59.5	60.4	57.8	63.7	64.0	63.1	61.9	61.7
14	68.3	62.8	63.5	67.1	65.6	57.9	55.8	67.0	61.5	60.8	62.9	59.7
15	67.5	62.6	62.1	60.6	65.9	60.3	58.3	64.0	63.0	62.7	62.2	60.6
16	65.5	63.1	63.2	59.1	66.1	60.4	58.1	63.9	64.0	63.5	61.8	62.0
17	67.2	63.0	63.8	64.3	67.3	60.1	58.1	64.4	63.7	63.4	61.9	61.5
18	65.3	64.2	64.4	58.3	64.7	60.9	58.7	64.3	65.3	64.1	62.2	63.2
19	63.7	61.9	61.1	59.7	55.8	59.4	56.6	62.2	62.7	61.8	60.6	60.2
20	64.2	62.7	62.8	60.1	63.9	59.9	57.4	62.9	62.5	62.3	61.3	61.2
21	64.3	64.1	64.2	64.1	65.7	61.6	59.4	67.7	64.0	63.7	63.2	63.0
22	63.7	62.8	62.4	56.9	60.9	60.2	57.3	62.1	65.7	62.0	61.4	61.6
23	61.6	62.4	62.7	62.1	62.2	57.4	54.7	60.0	58.7	60.3	59.2	61.0
24	63.7	63.0	62.3	64.7	64.0	59.8	56.4	62.6	61.2	62.8	60.7	61.1
25	62.9	63.3	62.0	59.1	62.9	58.1	55.5	61.5	62.0	61.5	59.9	61.6
26	62.0	62.7	60.8	60.0	61.4	56.8	54.4	60.0	59.3	60.1	58.6	59.1
27	63.3	61.9	61.9	60.5	63.8	58.8	55.9	61.8	60.8	61.6	60.1	60.2
28	63.9	62.7	63.0	61.5	62.6	59.6	57.5	65.2	61.9	62.8	60.6	61.8
29	64.4	63.2	63.3	63.1	64.7	59.8	57.7	62.8	61.7	62.7	61.1	61.9
30	64.2	63.2	63.1	59.3	64.3	60.1	57.5	63.5	62.9	63.5	61.3	62.1
31	66.1	64.6	64.4	63.7	67.0	60.6	57.8	64.1	64.0	63.5	61.8	62.7
Month	65.3	63.7	63.7	62.3	64.8	60.2	57.7	64.2	63.4	63.2	61.7	62.3

Appendix A3

Daily/Monthly CNEL Levels – February 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	68.3	65.5	62.7	64.0	69.5	75.9	64.7	64.4	72.3	62.5	66.8
2	67.5	64.1	63.7	66.3	68.8	73.8	65.1	62.1	70.5	61.4	63.9
3	66.7	64.1	59.4	62.5	67.9	73.3	68.5	62.1	69.7	59.7	64.5
4	69.1	66.2	62.7	64.9	69.4	73.7	67.0	64.0	70.3	63.3	65.7
5	68.8	65.7	63.1	64.3	69.2	72.2	65.0	63.4	69.2	62.4	65.0
6	66.9	64.9	63.2	63.0	68.0	72.6	60.9	62.8	69.3	62.9	64.2
7	67.3	64.8	64.7	63.2	68.4	74.6	65.1	64.3	71.1	61.4	65.5
8	69.3	65.6	65.6	64.2	68.2	74.4	65.6	62.8	70.5	61.4	65.3
9	67.2	64.0	63.3	62.2	66.3	72.9	64.8	61.2	69.1	58.8	63.8
10	68.8	65.9	62.7	64.5	68.5	74.3	67.4	63.7	70.8	60.9	65.8
11	66.4	64.6	62.7	62.9	68.4	75.2	65.3	63.3	71.6	61.5	66.0
12	64.6	62.7	60.2	62.3	67.6	73.4	64.5	60.2	68.5	58.8	61.5
13	66.9	62.8	67.1	69.6	69.3	76.3	67.0	61.5	73.1	58.7	63.4
14	71.2	67.1	67.8	71.4	72.2	75.1	68.6	64.7	72.5	62.5	65.1
15	70.8	67.6	65.8	66.3	68.4	74.4	69.0	63.3	70.6	61.6	66.4
16	67.9	64.8	63.5	63.0	67.0	71.8	66.7	61.9	68.4	59.2	64.0
17	69.9	67.0	63.6	64.9	68.6	72.1	66.4	63.3	68.6	62.7	64.6
18	68.0	65.3	63.6	63.5	68.6	74.1	64.7	63.3	70.4	60.9	65.4
19	67.7	65.3	64.1	64.0	67.8	74.2	66.1	62.6	70.0	61.9	64.0
20	68.7	66.5	62.4	64.5	68.2	74.0	67.0	63.5	70.6	62.1	65.1
21	70.8	67.2	65.6	65.6	69.9	74.1	67.4	64.1	70.4	62.4	65.9
22	68.8	65.7	66.4	64.3	68.9	74.8	68.6	63.5	70.9	62.1	65.8
23	66.0	63.3	63.2	62.0	66.7	73.4	63.9	61.3	70.1	59.0	63.6
24	67.4	64.7	62.4	63.1	67.4	74.3	68.7	62.0	70.0	59.3	64.7
25	67.5	64.5	62.0	63.1	68.2	74.9	65.0	63.7	71.3	62.6	65.7
26	68.0	65.2	63.0	64.0	68.2	74.0	68.4	63.4	70.6	61.5	65.5
27	68.3	65.1	63.5	64.0	68.5	75.0	66.3	64.3	71.1	61.4	65.9
28	67.1	0.5	62.8	64.9	67.8	74.0	64.6	62.6	71.5	61.5	64.9
Month	68.8	65.7	64.5	65.5	69.1	74.7	67.0	63.6	71.1	61.9	65.6

Appendix A3 Continued

Daily/Monthly CNEL Log – February 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	65.6	64.1	63.6	57.1	61.9	61.6	58.6	65.1	65.2	65.3	62.7	62.7
2	65.0	63.6	62.6	63.3	64.1	58.8	57.8	62.5	62.1	61.8	60.2	61.1
3	63.5	62.6	62.3	55.5	66.8	59.9	57.1	62.9	63.7	62.8	61.3	61.0
4	64.7	64.7	64.5	60.6	64.7	60.9	59.0	66.3	63.9	64.2	62.3	63.2
5	64.3	63.9	64.2	62.2	63.0	60.6	58.5	63.5	62.3	63.5	62.3	63.3
6	63.7	63.0	63.2	55.8	56.1	60.3	57.7	62.8	62.1	62.6	61.4	62.4
7	64.8	63.5	63.0	57.2	61.9	60.8	57.6	63.8	62.6	65.0	61.9	63.1
8	64.2	64.2	64.1	56.7	61.8	60.4	57.6	63.5	63.3	63.8	62.8	63.8
9	63.2	62.4	62.3	53.8	60.7	59.1	56.6	62.1	60.3	61.9	60.6	61.2
10	64.8	63.9	64.4	60.5	63.6	61.0	58.4	64.1	62.7	64.1	62.2	62.8
11	65.1	63.1	63.0	78.5	60.3	61.3	58.1	65.7	63.3	64.1	62.2	62.0
12	61.3	62.0	62.0	59.7	60.9	56.5	53.6	59.9	60.9	60.1	56.9	59.6
13	68.4	62.4	63.1	66.7	66.1	57.6	55.1	61.7	59.9	59.9	59.8	59.7
14	67.1	66.0	66.4	70.1	66.7	60.1	62.0	64.2	64.9	63.6	61.2	64.5
15	64.9	66.0	66.0	64.3	66.7	61.0	58.9	64.4	64.9	64.5	62.5	64.8
16	63.6	63.2	63.0	62.9	62.6	59.6	57.1	62.5	63.0	62.2	60.9	62.3
17	63.6	64.9	65.3	62.6	63.4	60.9	58.7	62.9	64.4	63.1	62.1	64.0
18	64.4	63.5	63.6	53.8	60.2	61.3	58.5	67.0	62.9	63.6	62.0	62.4
19	63.7	64.0	64.6	57.4	63.8	60.1	57.1	62.5	61.9	62.1	60.9	62.8
20	64.0	64.8	64.5	67.6	65.2	60.6	57.7	63.6	63.6	63.8	61.5	63.5
21	64.6	65.9	65.9	62.8	65.3	61.4	59.3	64.2	64.2	64.8	63.4	64.6
22	64.8	64.5	63.9	62.0	65.5	61.0	58.1	64.0	63.5	64.7	62.5	63.2
23	62.9	61.8	61.6	53.3	57.3	59.8	55.8	61.9	60.6	62.0	60.1	61.0
24	64.0	63.5	63.1	62.2	65.1	59.9	57.0	63.1	62.7	63.0	60.9	61.9
25	64.8	63.0	63.0	54.9	62.6	61.1	57.4	67.0	62.6	63.9	61.1	61.6
26	65.0	63.2	63.8	60.1	66.5	60.7	58.0	64.1	62.4	63.7	61.8	62.6
27	65.1	63.4	63.6	66.1	61.1	61.1	58.5	64.3	62.8	64.1	63.1	64.4
28	65.3	63.6	64.9	56.4	59.0	61.0	55.3	64.6	61.9	64.9	62.5	62.9
Month	65.2	64.4	64.4	66.8	64.2	60.9	58.4	64.5	63.5	64.0	62.2	63.3

Appendix A4

Daily/Monthly CNEL Levels – March 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	68.2	66.7	64.1	64.2	68.4	74.7	67.8	63.4	71.0	61.1	65.8
2	66.8	62.4	67.4	70.5	68.8	75.3	66.8	60.2	72.1	58.5	63.0
3	68.6	65.3	62.7	63.9	68.0	73.7	66.9	63.2	70.2	60.5	65.6
4	69.0	65.8	64.0	64.6	67.9	74.0	65.6	63.4	70.5	62.7	65.9
5	66.9	68.8	64.9	66.7	68.4	75.5	66.3	64.3	72.7	61.2	64.9
6	68.5	64.1	65.9	69.4	68.9	75.0	67.6	61.4	71.7	59.9	64.8
7	69.1	66.6	64.3	65.2	69.3	75.0	67.6	64.3	71.4	62.3	66.7
8	69.6	67.0	66.0	65.5	69.1	74.4	67.1	64.0	70.6	63.1	66.1
9	68.2	65.4	63.4	63.7	67.3	73.0	65.8	63.7	69.6	60.2	64.9
10	68.6	66.4	63.4	64.8	69.3	75.5	68.7	65.2	71.9	62.3	67.0
11	69.2	66.5	64.3	65.2	69.0	74.3	65.9	64.5	71.0	62.7	66.3
12	69.6	66.8	64.1	65.5	68.5	73.3	66.2	65.4	69.9	62.2	65.4
13	68.0	66.1	64.0	64.8	68.5	74.9	66.0	63.5	71.4	61.8	65.5
14	68.1	65.1	65.2	64.9	69.4	75.0	65.1	63.1	71.0	61.1	65.2
15	68.0	65.4	64.9	64.3	68.8	74.7	68.3	62.8	70.7	60.9	64.6
16	66.1	64.2	62.6	64.3	67.2	73.5	68.0	61.3	69.6	58.6	63.6
17	65.4	64.9	61.9	63.5	69.1	75.5	69.9	63.2	71.4	61.1	65.9
18	67.5	65.7	62.7	64.5	68.3	75.8	67.9	63.6	72.4	64.5	66.5
19	67.3	65.5	61.9	65.3	68.0	74.7	66.9	61.6	71.2	60.7	64.9
20	69.2	66.4	63.5	65.0	68.7	74.7	68.0	63.9	71.3	61.7	66.4
21	70.2	67.2	65.4	66.1	68.9	75.2	70.1	64.0	71.6	62.0	66.7
22	70.0	67.0	66.3	65.5	68.3	75.4	64.0	63.6	71.3	62.2	66.1
23	67.6	65.4	64.0	63.6	67.7	73.8	66.8	63.0	70.3	60.3	65.3
24	68.3	65.7	63.5	64.4	69.1	75.4	67.3	64.3	72.0	61.7	67.0
25	68.2	65.9	64.7	64.9	69.1	74.8	65.6	64.5	71.0	61.7	66.1
26	68.9	66.1	65.3	66.1	68.5	73.9	66.2	63.7	70.2	61.6	65.3
27	68.9	66.6	65.2	65.1	68.5	74.7	62.8	63.0	71.2	61.2	65.9
28	69.2	66.8	65.6	65.1	69.0	74.3	66.9	63.4	70.7	61.0	65.7
29	69.1	66.8	66.2	65.2	68.8	74.5	67.5	63.5	70.6	61.2	65.7
30	67.0	64.5	65.0	63.1	68.1	74.2	62.4	63.0	70.1	60.4	65.0
31	64.1	64.6	62.2	63.5	68.3	74.6	66.5	62.6	70.7	60.1	65.2
Month	68.9	66.5	65.1	65.9	69.1	75.2	67.5	64.0	71.6	62.0	66.2

Appendix A4 Continued

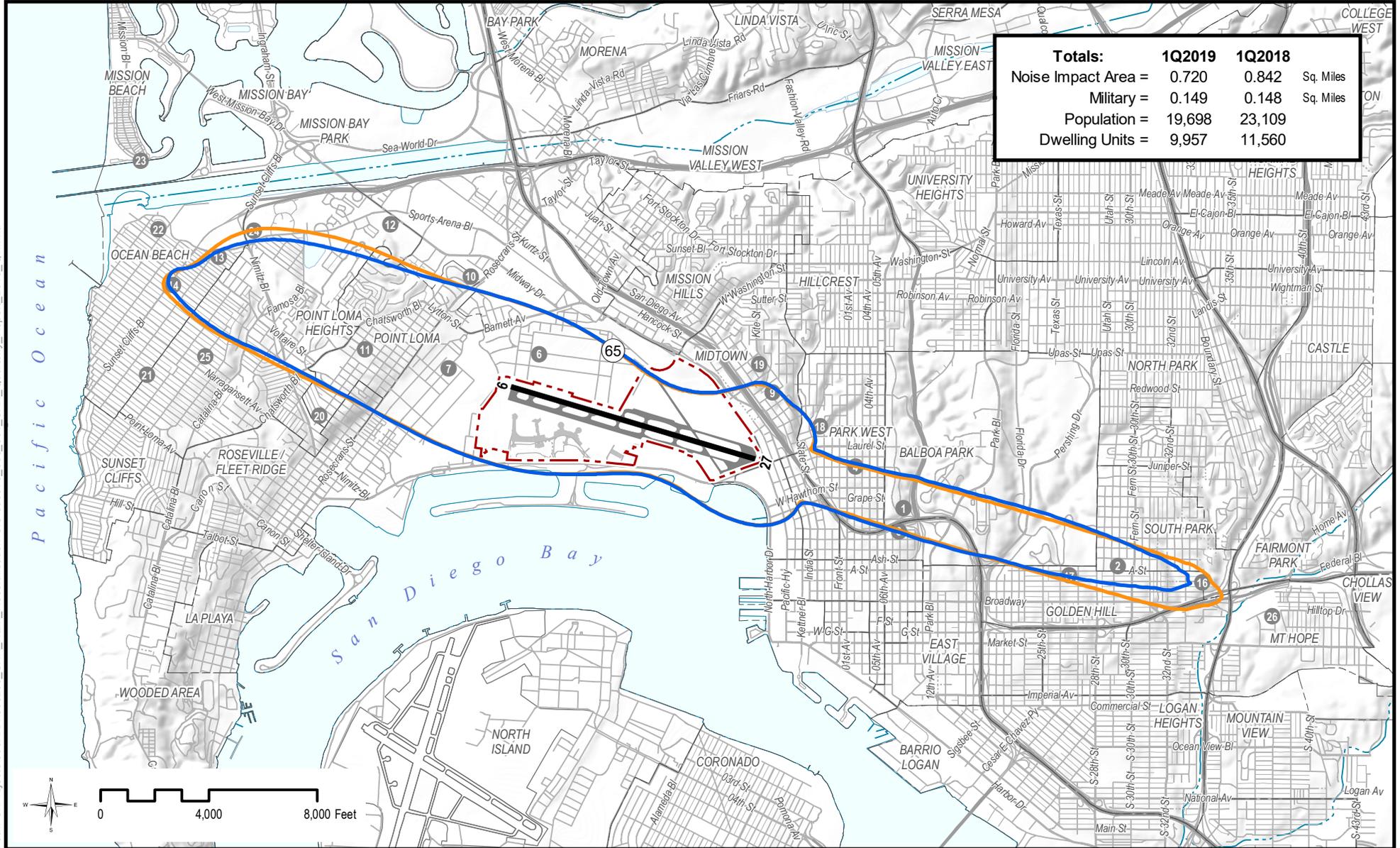
Daily/Monthly CNEL Log – March 2019

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	64.8	63.4	63.7	58.7	61.7	60.5	58.0	64.2	63.6	64.2	61.6	62.6
2	67.5	61.8	63.1	66.4	64.8	58.1	55.1	61.4	59.8	60.3	58.9	59.1
3	64.4	63.0	63.9	59.5	63.0	60.8	58.1	64.0	62.8	63.8	62.0	62.1
4	64.9	63.8	64.5	58.0	59.8	61.2	58.4	65.9	63.3	64.1	62.3	62.9
5	67.0	62.4	62.7	62.8	64.5	60.1	56.7	63.1	61.3	62.6	61.1	60.9
6	66.9	63.1	63.2	64.7	64.9	59.3	57.2	63.3	60.6	62.2	61.2	61.5
7	65.8	64.8	64.9	60.6	63.5	61.4	58.5	65.0	64.6	65.1	62.3	63.7
8	65.9	65.2	65.4	61.8	63.5	61.6	58.8	64.5	63.7	64.6	62.7	64.3
9	64.1	63.5	63.7	58.9	62.3	60.2	57.6	63.2	62.4	63.1	61.3	62.4
10	65.1	64.6	65.0	57.7	64.1	61.9	58.7	65.2	64.0	65.3	62.6	63.4
11	65.2	64.3	65.1	55.8	59.6	61.4	58.7	66.5	63.4	64.4	62.3	63.6
12	64.4	64.9	65.5	58.6	61.5	60.8	58.5	63.8	64.2	63.9	62.0	63.6
13	65.3	65.4	64.5	58.6	61.6	61.4	58.7	64.8	64.7	64.7	62.6	63.4
14	64.2	64.1	63.5	60.1	62.4	60.8	57.4	63.6	62.6	63.3	61.3	62.1
15	63.7	65.3	63.9	64.4	64.8	60.4	56.8	63.9	62.6	63.1	60.8	62.8
16	63.7	63.6	62.6	61.0	65.3	59.2	55.9	61.8	61.0	62.1	60.1	61.4
17	64.5	63.5	63.5	60.9	66.9	60.8	57.5	64.2	63.3	64.4	61.1	61.6
18	65.6	64.2	64.2	62.4	65.3	61.4	58.5	66.3	64.0	64.6	62.6	62.7
19	65.1	63.9	63.9	58.8	63.9	59.3	56.3	63.1	62.8	64.0	60.2	62.3
20	65.2	64.8	64.9	58.9	65.9	61.4	58.6	64.9	64.6	65.2	62.4	63.5
21	65.5	65.7	65.7	65.0	67.0	61.9	58.9	65.1	65.8	65.0	63.6	64.1
22	65.4	65.2	65.3	56.3	57.1	61.4	59.0	64.7	67.9	64.2	62.7	64.4
23	64.4	63.5	63.6	62.0	64.5	60.7	58.2	63.6	63.0	63.6	61.9	62.4
24	65.6	63.5	64.2	61.2	64.4	62.1	59.0	65.7	65.0	65.1	62.6	62.9
25	65.4	64.0	64.5	59.6	60.1	61.5	58.5	67.8	64.0	64.3	62.8	63.6
26	64.5	64.3	64.4	58.0	59.8	60.4	57.6	63.9	62.8	63.6	61.6	63.3
27	64.8	64.1	64.8	61.4	55.4	61.2	58.3	64.3	64.0	64.0	62.5	63.4
28	64.7	64.9	65.1	60.5	61.3	61.3	58.7	64.3	63.6	64.2	62.1	65.7
29	65.0	65.1	65.1	61.7	64.3	60.9	58.3	64.2	64.0	63.8	62.5	63.7
30	63.8	62.6	62.7	61.1	56.1	60.1	57.4	63.2	62.5	63.6	61.1	62.2
31	64.4	62.3	63.3	62.5	63.0	60.3	57.0	63.8	64.2	63.5	60.9	61.3
Month	65.7	64.6	64.8	61.8	63.9	61.4	58.5	65.0	64.2	64.5	62.4	63.5

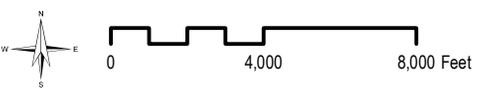
Appendix B

ANOMS Commercial Flight Operations Mix – 1st 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	108	0	0	0	0	0	0	0	28	0	0	0	0	0	0	136
A21N	0	25	0	0	0	0	0	0	0	176	0	0	0	0	0	0	0	0	0	0	0	0	0	201
A319	3	433	71	12	0	0	0	0	21	0	0	0	0	0	0	0	528	0	404	0	0	0	0	1,472
A320	0	1,116	0	206	0	0	0	0	62	0	0	0	134	0	0	0	280	0	742	0	0	0	0	2,540
A321	158	0	0	2,510	0	0	1,007	0	454	0	0	0	664	0	0	0	16	0	0	0	0	0	0	4,809
A332	0	0	0	0	0	0	0	0	0	184	0	0	0	0	0	0	0	0	0	0	0	0	0	184
A343	0	0	0	0	0	0	0	0	0	0	0	0	0	114	0	0	0	0	0	0	0	0	0	114
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	662	0	0	0	0	0	0	0	662
B39M	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	76	0	0	0	0	76
B712	0	0	0	0	0	0	147	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	147
B736	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	0	0	0	22
B737	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13,278	0	16	50	90	0	0	0	13,434
B738	0	872	0	1,218	0	0	1,444	0	0	0	0	0	0	0	0	4,997	0	88	916	45	0	0	0	9,580
B739	0	1,781	0	0	0	0	1,062	0	0	0	0	0	0	0	0	0	0	0	1,647	0	0	0	0	4,490
B744	0	0	0	0	177	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	179
B752	0	0	0	108	0	0	190	0	0	0	0	0	0	0	0	0	0	0	630	0	0	135	2	1,065
B753	0	0	0	0	0	0	166	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	166
B762	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	126	0	0	126
B763	4	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	486	206	0	702
B764	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	4
B772	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2
B77W	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
B788	0	0	0	0	0	0	0	0	0	180	0	0	0	0	0	0	0	0	0	0	0	0	0	180
CRJ2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	333	0	0	0	0	0	0	0	0	333
CRJ7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	526	0	0	0	0	0	0	0	0	526
CRJ9	0	0	0	0	0	0	0	0	0	0	0	525	0	0	2	0	0	0	0	0	0	0	0	527
E175	0	445	0	0	0	1,815	0	0	0	0	0	0	0	4,440	0	0	0	0	0	0	0	0	0	6,700
Total	165	4,672	71	4,054	179	1,815	4,024	0	645	360	180	525	798	114	5,301	18,937	852	104	4,469	157	128	621	208	48,379
BE99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	142	142
PA31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40	40
C208	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	427	0	427
SW3/4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	84	84
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	427	266	693



Path: G:\Projects\308XXX\308200_SAN_NEM_Recertification\GIS\308970_003_001_SAN_Quarterly_Report_2019_Q1.mxd



-  2019 1st Quarter 65 dB CNEL Contour
-  2018 1st Quarter 65 dB CNEL Contour
-  Airport Property
-  Runway
-  RMT Site Location
-  Roads
-  River / Stream

Comparison of the 2018 and 2019 First Quarter 65 dB Community Noise Equivalent Level (CNEL) Contours

