

## Quarterly Noise Report

For the California Department of Transportation

First Quarter – Calendar Year 2020



**SAN DIEGO**  
INTERNATIONAL AIRPORT

LET'S GO.

**Airport Noise Mitigation**

May 1, 2020

## Q1 2020 Quarterly Noise Report

January 1 through March 31, 2020

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 (SAN) on September 2, 2019.

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



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Brendan Reed  
Director of Planning & Environmental Affairs



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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 for the Quarter (California Code of Regulations, Title 21, Chapter 2.5, Subchapter 6).
  - Noise Impact Area (N.I.A) – 0.624 Square Miles (399.4 Acres)
  - Federal Military Impact Area (F.M.I.A.) – 0.132 Square Miles (84.5 Acres)
  
2. Estimated number of dwelling units and population within the Noise Impact Area as defined in the Noise Standards:
  - Dwelling Units - 6,100\* (Population – 12,135\*)
  
3. Number of Noise Complaints and Households during the Calendar Quarter:
  - 34,644 Complaints (161 Households)
  
4. Aircraft type having the greatest takeoff noise level operating at this airport together with the estimated number of operations by this aircraft type during the calendar quarter reporting period:
  - Boeing 747-400ER (147 Operations)
  
5. Number of Air Carrier Operations during the Calendar Quarter: 47,820
  
6. Percentage of Air Carrier Operations by aircraft certificated under Federal Aviation Regulation (FAR) Part 36, Stage III:
  - 100%
  
7. Number of General Aviation Operations during the Calendar Quarter: 1,933
  
8. Number of Air Taxi Operations during the Calendar Quarter: 2,907
  
9. Number of Military Operations during the Calendar Quarter: 211
  
10. Total number of Airport Operations during the Calendar Quarter: 52,871

Reference: Form DOA 617, 10/89

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

**Note:** Airport Operation counts are taken from the FAA Air Traffic Activity Data System (ATADS) <https://aspm.faa.gov/opsnet/sys/Airport.asp>

## Noise Impact Areas

Using data generated from the Airport Noise and Operations Monitoring System (ANOMS) and Geographic Information System (GIS), the Airport Noise consultant Harris, Miller, Miller & Hanson Inc.'s (HMMH) developed the Noise Contour and determined the current Noise Impact Area (N.I.A.) and the Federal Military Impact Area (F.M.I.A.). Table 1 below contains square mile area for the Quarter compared to the same period last year.

	Q1 2020	Q1 2019	Change (dB)
Departures	98.6	99.5	-0.89
Arrivals	94.6	93.9	0.78

Table 1

## Noise Contour

The Noise Contour on the subsequent page is prepared for the Airport Authority by their consultant HMMH Inc. using their 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.

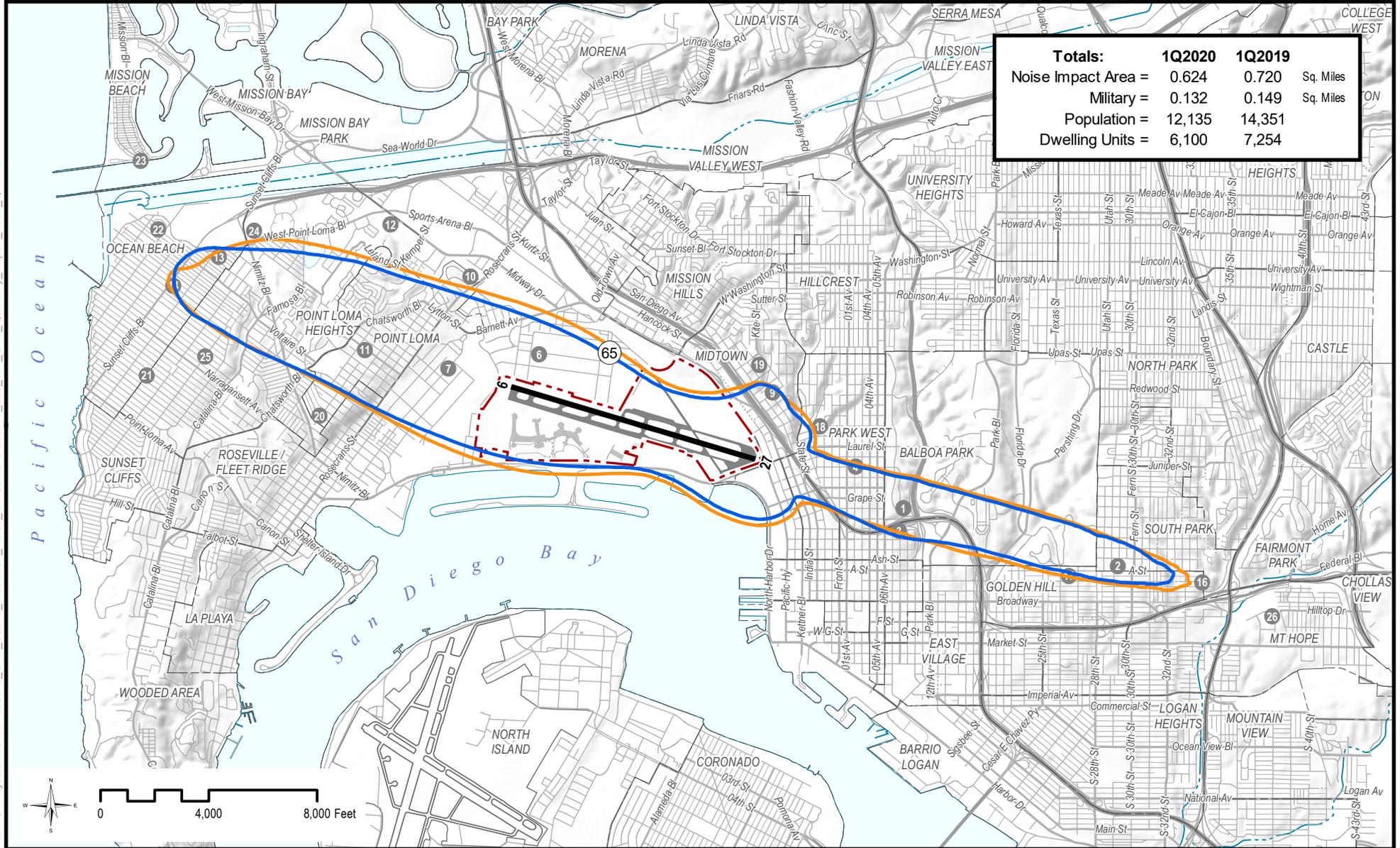
The use of GIS technology allows for direct counting of individual parcels within the Noise Contour. The modeling methodology fulfills the requirements of the State of California, Title 21, California Noise Standards. A review of measured and modeled noise levels indicate good agreement between several key measurement locations.

The reduction in the size of the Noise Impact Area compared to the same period last year is largely due to the changes to the AEDT model, shifting from version 2d to 3b.

Changes related to the AEDT version change include the following:

- Improvements in the aircraft performance models and the aircraft database by changing 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.

Some COVID-19 impacts are captured in the second half of March. As COVID restrictions continue, we expect the contour changes going forward to be significant until there is a reasonable amount of Air Service recovery.



Totals:	1Q2020	1Q2019	
Noise Impact Area =	0.624	0.720	Sq. Miles
Military =	0.132	0.149	Sq. Miles
Population =	12,135	14,351	
Dwelling Units =	6,100	7,254	

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- 2020 1st Quarter 65 dB CNEL Contour
- 2019 1st Quarter 65 dB CNEL Contour
- Airport Property
- Runway
- RMT Site Location
- Roads
- - - River / Stream

### Comparison of the 2019 and 2020 First Quarter 65 dB Community Noise Equivalent Level (CNEL) Contours



## Residential Sound Insulation Program (RSIP)

Per the requirements of the Airport’s Variance agreement, the San Diego County Regional Airport Authority (SDCRAA) is the sponsor to an active Residential Sound Insulation Program (RSIP), also known as the Quieter Home Program (QHP). Funding for the program is provided by grants awarded from the Airport Improvement Plan (AIP) component of the FAA’s Airport and Airway Trust Fund (AATF), Airport Operating Revenues, and fines issued for non-compliance with Airport Authority Code 9.40, Airport Use Regulations.

To date, the RSIP/QHP has completed 4,329 homes with a current waitlist of 1,316 units.

## Aircraft Noise Complaints

During the Quarter, the Airport Noise Office received a total of 34,644 complaints from 161 households. Where possible, complaints are correlated with a specific flight and examined for validity. Complaints are tabulated and reported on the Authority website on a monthly basis. This information can be retrieved by visiting the following website:

<https://public.tableau.com/profile/noise.disclosure#!/vizhome/SANQHPDashboard/SANQHP>

## Quarterly Airport Operations Statistics

The Federal Aviation Administration captures and makes available to the public Air Traffic Control Tower Counts on a monthly basis in its Air Traffic Activity Data System (ATADS) database. Table 2 below contains statistics of itinerant aircraft operations by FAA category for the Calendar Year Quarter compared to the same period last year.

Operations	1st Quarter 2020	1st Quarter 2019	Net Change	Percent Change
Air Carrier	47,820	48,343	(523)	-1.1%
Air Taxi	2,907	3,346	(439)	-13.1%
General Aviation	1,933	2,410	(477)	-19.8%
Military	211	217	(6)	-2.8%
Total	52,871	54,316	(1,445)	-2.7%

Table 2

**Note:** ATADS data is typically available to the public by the third week of the following month. Current and historical operations data can be extracted at the following website:

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

## **Airport Use Regulations**

Airport Authority Code 9.40, Airport Use Regulations, defines Time of Day Use Restrictions (Curfew) for all Airport operators. The Regulations restrict daily departures between the hours of 11:30 p.m. and 6:30 a.m. the following morning for Stage 3 (or better) compliant aircraft, and between 10:00 p.m. and 7:00 a.m. for non-complaint aircraft. Additionally, Air Carriers are only permitted to publish scheduled gate departure times between the hours 6:15 a.m. and 11:15 p.m. daily. Medical Evacuation/Lifeguard departures are exempt from the Restrictions.

Curfew violations are reported to the Curfew Violation Review Panel (CVRP) comprised of three (3) staff members appointed by the Executive Leadership Team of the Authority. The membership includes one (1) representative from each of the following Divisions: Airport Operations, Airport Development, and Finance. The Panel examines data and documentation collected during an investigation of alleged violations, and makes recommendations to the Program Manager, Airport Noise, for the disposition of the violation.

Fine levels associated with the Airport Use Regulations are based on the number of violations in the two evaluation periods (January through June and July through December each year). The fines are subject to a multiplier for each penalized violation in the previous evaluation period. The base fines are \$2,000 for the first penalized violation, \$6,000 for the second penalized violation, and \$10,000 for each subsequent violation in the given evaluation period. If a carrier has a fined violation in the previous evaluation period, the base fine is multiplied by the number of penalized violations in the previous evaluation period.

Example:

An operator has two (2) fined violations in the January through June period. If they have a violation between July and December, the base fine level of \$2,000 would increase to \$4,000, a second violation increases from \$6,000 to \$12,000 and a third or any subsequent violations increases from \$10,000 to \$20,000

During the Quarter there were a total of ten (10) curfew violations. Year to Date fines total \$4,000 with six (6) violations pending review at the June CVRP meeting.

## **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 (SDUPD), previous proprietor of San Diego International Airport. ANAC is formally adopted as Airport Authority Policy 9.20.

Further information regarding Airport Noise Advisory Committee can be found at the following website:

<https://www.san.org/Airport-Noise/Initiatives>

## Quarterly and Annual CNEL Data

A summary of the Quarterly and Annual CNEL data is shown in Table 3 below. The levels are calculated utilizing the data found in the Aircraft Noise Monitoring System section which captures the Remote Monitoring Terminals (RMT) thresholds and Daily/Monthly CNEL Logs.

RMT #	Annual CNEL (dB) <sub>1</sub>	Quarter CNEL (dB) <sub>2</sub>
1	69.3	69.0
2	66.4	65.3
3	66.9	65.0
4	65.6	65.0
6	69.1	68.5
7	75.1	73.8
9	67.2	66.0
10	63.5	63.2
11	71.5	70.4
12	62.0	61.6
13	65.9	64.9
14	65.2	64.8
16	64.6	64.0
17	65.1	64.0
18	62.3	63.8
19	63.8	63.8
20	61.2	60.4
21	58.2	57.9
22	64.7	64.1
23	63.7	62.8
24	64.2	63.3
25	62.2	61.6
26	63.5	62.3

**Table 3**

**Notes:**

- Annual CNEL data is a rolling 12-month period.
- RMTs #5, #8 and #15 are no longer operational as the noise impact boundary has decreased in size.

## Single Event Noise Exposure Level (SENEL) Comparison

The average Single Event Noise Exposure Level (SENEL) of the loudest 25% of the Operations Survey is shown in Table 4 below. For each Quarter, the data used to compile this section of the report is captured on Tuesday through Thursday during the second week February, May, August and October (Quarterly midpoint). The supporting data is listed in Tables 5 through 7 on subsequent pages. Tables 5 and 6 show the top 25% of operations during the capture period. Table 7 contains the average daily operations by runway, time of day, operation type, and aircraft type.

	<b>Q1 2020</b>	<b>Q1 2019</b>	<b>Change (dB)</b>
<b>Departures</b>	98.6	99.5	-0.9
<b>Arrivals</b>	94.6	93.9	0.8

**Table 4**

**Table 5**

Quarterly SENEL Survey – Arrivals (RMT #1) – February 11-13, 2020

Date/Time	SENEL (dB)	FLIGHT	ORIGIN	AC TYPE
2/11/20 10:17 PM	104.2	DAL2685	JFK	B752
2/11/20 4:03 PM	100.9	BAW44N	LHR	B744
2/13/20 4:20 PM	99.8	BAW44N	LHR	B744
2/12/20 6:14 PM	99.1	BAW44N	LHR	B744
2/13/20 5:06 AM	95.4	UPS922	SDF	B763
2/11/20 6:35 AM	95.3	FDX1422	MEM	B763
2/11/20 5:32 PM	95.2	UAL1550	EWR	B752
2/13/20 12:33 PM	95.1	DLH2P	FRA	A343
2/13/20 9:25 PM	95.0	AAL2066	PHL	B752
2/13/20 6:31 AM	94.8	FDX1754	IND	B763
2/13/20 6:25 AM	94.8	FDX1422	MEM	B763
2/12/20 5:32 PM	94.6	UPS2636	SDF	B763
2/11/20 5:29 AM	94.5	FDX1754	IND	B763
2/12/20 5:09 AM	94.4	UPS922	SDF	B763
2/13/20 9:31 PM	94.4	UAL2423	SFO	B739
2/12/20 8:19 AM	94.3	ABX505	PHX	B763
2/11/20 5:10 PM	94.3	FDX906	MEM	B763
2/12/20 5:21 PM	94.2	FDX906	MEM	B763
2/11/20 5:38 PM	94.2	UPS2636	SDF	B763
2/12/20 9:16 PM	94.1	AAL2066	PHL	A321
2/11/20 5:24 AM	94.0	UPS922	SDF	B763
2/13/20 8:49 PM	93.8	UAL1959	EWR	B752
2/12/20 11:04 AM	93.8	UAL229	IAD	B752
2/13/20 10:29 PM	93.8	SWA1485	SMF	B738
2/11/20 2:06 PM	93.7	ASA1978	SEA	B739
2/13/20 11:04 PM	93.6	SWA1495	BWI	B738
2/12/20 10:24 AM	93.5	AAL1621	PHL	A321
2/11/20 5:28 PM	93.5	FDX3713	IND	B763
2/12/20 12:19 PM	93.5	WJA1564	YYC	B738
2/13/20 12:48 PM	93.4	SWA1642	MDW	B738
2/13/20 5:16 AM	93.4	FDX1889	OAK	B752
2/12/20 5:30 AM	93.4	FDX1754	IND	B763
2/13/20 7:58 AM	93.3	ABX505	PHX	B763
2/13/20 9:55 AM	93.3	DAL1692	ATL	B753
2/12/20 5:07 AM	93.3	FDX1889	OAK	B752
2/11/20 9:58 AM	93.3	DAL1692	ATL	B753

**Table 5 (Continued)**

Quarterly SENEL Survey – Arrivals (RMT #1) – February 11-13, 2020

Date/Time	SENEL (dB)	FLIGHT	ORIGIN	AC TYPE
2/12/20 12:28 PM	93.3	SWA2192	OAK	B738
2/12/20 12:38 PM	93.2	UAL1590	ORD	B739
2/12/20 10:59 AM	93.2	UAL1593	EWR	B752
2/11/20 6:06 PM	93.2	UAL395	ORD	B739
2/13/20 8:33 PM	93.2	UAL2104	DEN	B739
2/11/20 5:02 AM	93.2	FDX1889	OAK	B752
2/11/20 9:42 PM	93.2	HAL16	HNL	A332
2/13/20 10:03 PM	93.1	HAL16	HNL	A332
2/13/20 5:56 PM	93.0	SCX403	MSP	B738
2/13/20 10:45 AM	93.0	SWA1385	SMF	B737
2/13/20 10:05 PM	93.0	UAL651T	ORD	B739
2/13/20 5:32 PM	93.0	UPS2636	SDF	B763
2/12/20 9:13 PM	93.0	DAL2943	SEA	B738
2/13/20 10:59 PM	93.0	UAL2304	EWR	B752
2/11/20 3:51 PM	92.9	SWA1506	STL	B737
2/12/20 10:55 AM	92.9	UAL1108	DEN	B752
2/13/20 12:29 PM	92.9	UAL1108	DEN	B739
2/11/20 1:34 PM	92.9	UAL2156	IAH	B739
2/13/20 1:02 PM	92.9	SWA1590	LAS	B737
2/12/20 5:55 AM	92.9	FDX1422	MEM	B763
2/13/20 1:51 PM	92.9	SWA1489	SMF	B738
2/12/20 11:32 AM	92.8	AAL2671	PHX	B752
2/12/20 9:44 AM	92.8	DAL1692	ATL	B753
2/13/20 1:09 PM	92.8	UAL2156	IAH	B739
2/13/20 7:54 PM	92.8	UAL2303	IAD	B739
2/13/20 10:51 AM	92.8	UAL1593	EWR	B752
2/11/20 8:15 PM	92.8	UAL1916	IAH	B739
2/11/20 3:45 PM	92.8	UAL1870	IAH	B739
2/11/20 11:48 AM	92.7	AAL2671	PHX	B752
2/13/20 5:59 PM	92.7	FDX3713	IND	B763
2/11/20 2:41 PM	92.7	UAL1508	DEN	B739
2/13/20 12:50 PM	92.7	SWA2192	OAK	B738
2/12/20 5:45 PM	92.7	FDX3713	IND	B763
2/12/20 2:29 PM	92.7	ASA1978	SEA	B739
2/12/20 12:50 PM	92.7	SWA1642	MDW	B738

**Table 6**

Quarterly SENEL Survey – Departures (RMT #1) – February 11-13, 2020

Date/Time	SENEL (dB)	FLIGHT	ORIGIN	AC TYPE
2/12/20 8:25 PM	105.9	BAW72A	LHR	B744
2/11/20 6:42 PM	104.1	BAW72A	LHR	B744
2/13/20 6:33 PM	103.7	BAW72A	LHR	B744
2/13/20 3:15 PM	102.2	DLH5Y	FRA	A343
2/11/20 3:08 PM	102.0	DLH5Y	FRA	A343
2/12/20 11:08 PM	101.3	AAL1245	CLT	A321
2/12/20 10:38 PM	100.8	AAL2078	PHL	A321
2/11/20 10:43 PM	100.6	DAL1646	ATL	A321
2/13/20 7:12 AM	100.6	ASA239	KOA	B738
2/13/20 10:44 PM	100.5	AAL1245	CLT	A321
2/12/20 6:49 AM	100.3	AAL1367	PHL	A321
2/11/20 10:49 PM	100.3	AAL1245	CLT	A321
2/11/20 7:26 AM	100.2	ASA239	KOA	B738
2/12/20 6:40 AM	99.9	AAL1651	CLT	A321
2/13/20 7:22 AM	99.8	ASA895	HNL	B738
2/13/20 10:56 PM	99.8	DAL1646	ATL	A321
2/11/20 6:30 AM	99.7	AAL1367	PHL	A321
2/11/20 6:32 AM	99.7	AAL2535	DFW	A321
2/13/20 10:34 PM	99.7	AAL1209	MIA	A321
2/11/20 6:46 AM	99.7	DAL1592	ATL	A321
2/13/20 6:37 AM	99.6	AAL1367	PHL	A321
2/12/20 12:47 PM	99.6	ROU1886	YYZ	A321
2/12/20 8:10 AM	99.6	ASA760	MCO	B739
2/11/20 7:20 AM	99.5	ASA895	HNL	B738
2/12/20 6:33 AM	99.5	AAL2535	DFW	A321
2/12/20 11:59 AM	99.5	AAL639	CLT	A321
2/12/20 11:49 AM	99.4	DAL1687	MSP	A321
2/11/20 10:30 PM	99.4	AAL1209	MIA	A321
2/12/20 9:29 AM	99.4	ASA895	HNL	B738
2/13/20 8:34 AM	99.3	UAL546	IAD	B739
2/12/20 1:27 PM	99.3	AAL2935	CLT	A321
2/12/20 6:45 AM	99.3	ASA857	LIH	B738
2/12/20 4:12 PM	99.3	UAL2299	DEN	B739
2/12/20 2:52 PM	99.3	DAL1432	ATL	A321
2/12/20 10:43 PM	99.3	DAL1646	ATL	A321
2/12/20 7:16 AM	99.2	ASA829	OGG	B738
2/12/20 2:43 PM	99.2	UAL1795	ORD	B739
2/12/20 12:46 PM	99.2	AAL679	DFW	A321
2/13/20 8:54 PM	99.2	JBU20	BOS	A321
2/12/20 7:07 AM	99.2	UAL913	ORD	B739

**Table 6 (Continued)**

Quarterly SENEL Survey – Departures (RMT #1) – February 11-13, 2020

Date/Time	SENEL (dB)	FLIGHT	ORIGIN	AC TYPE
2/13/20 6:32 AM	99.1	AAL2535	DFW	A321
2/11/20 7:19 AM	99.1	ASA829	OGG	B738
2/11/20 10:38 PM	99.1	UAL571	ORD	B739
2/12/20 9:41 AM	99.0	AAL23	ORD	A321
2/12/20 8:17 AM	99.0	ASA772	EWR	B738
2/11/20 6:35 AM	98.9	AAL1651	CLT	A321
2/12/20 6:30 AM	98.9	DAL1592	ATL	A321
2/13/20 8:15 AM	98.9	UAL913	ORD	B739
2/13/20 12:10 PM	98.9	AAL639	CLT	A321
2/13/20 1:12 PM	98.9	ROU1886	YYZ	A321
2/13/20 7:28 AM	98.9	DAL2628	DTW	A321
2/12/20 9:03 AM	98.8	UAL546	IAD	B739
2/11/20 8:21 AM	98.8	UAL546	IAD	B739
2/12/20 7:15 AM	98.8	AAL301	DFW	A321
2/11/20 9:36 AM	98.8	AAL23	ORD	A321
2/12/20 10:53 PM	98.7	UAL571	ORD	B739
2/12/20 11:06 AM	98.7	AAL1064	DFW	A321
2/11/20 12:07 PM	98.7	AAL639	CLT	A321
2/13/20 9:56 AM	98.6	HAL15	HNL	A332
2/12/20 10:01 AM	98.6	HAL15	HNL	A332
2/13/20 6:51 AM	98.6	DAL1592	ATL	A321
2/11/20 10:27 PM	98.6	AAL2078	PHL	A321
2/11/20 6:56 AM	98.6	UAL2364	DEN	B739
2/13/20 7:27 AM	98.6	ASA829	OGG	B738
2/12/20 7:40 AM	98.5	FDX821	MEM	B763
2/12/20 7:39 AM	98.5	AAL2458	JFK	B738
2/12/20 12:19 PM	98.5	DAL833	DTW	A321
2/12/20 7:58 AM	98.5	UAL2094	IAH	B739
2/13/20 9:02 PM	98.5	JBU90	JFK	A321
2/13/20 1:52 PM	98.5	UAL2282	IAD	B739
2/11/20 7:22 AM	98.5	SWA1790	BWI	B738
2/13/20 12:05 PM	98.4	AAL23	ORD	A321
2/13/20 8:06 AM	98.3	ASA760	MCO	B739
2/13/20 9:59 PM	98.3	UAL1916	IAD	B739
2/12/20 8:12 AM	98.2	UAL1727	SFO	B738
2/12/20 11:33 AM	98.2	DAL1692	ATL	B753
2/13/20 8:19 AM	98.2	UAL2094	IAH	B739
2/13/20 3:23 PM	98.2	AAL1229	DFW	A321
2/12/20 8:13 AM	98.2	DAL1534	ATL	B752

**Table 7**

Average Daily Operations by Runway, Operation Type, Time of Day and Aircraft Type

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	
A20N	2	1	0	2	1	0	0	0	0	0	0	0	6
A21N	1	1	0	2	0	0	0	0	0	0	0	0	4
A319	6	1	3	7	1	2	0	0	0	0	0	0	20
A320	14	4	2	14	4	2	0	0	0	0	0	0	40
A321	15	8	4	17	2	9	0	0	0	0	0	0	55
A332	0	1	0	1	0	0	0	0	0	0	0	0	2
A343	1	0	0	1	0	0	0	0	0	0	0	0	2
B737	54	17	6	54	17	7	1	0	0	1	0	0	157
B738	28	6	8	33	5	4	1	0	0	1	0	0	86
B739	10	6	2	15	2	2	0	0	0	0	0	0	37
B744	1	0	0	0	0	0	0	0	0	0	0	0	1
B752	4	2	2	5	2	1	0	0	0	0	0	0	16
B753	1	0	0	1	0	0	0	0	0	0	0	0	2
B763	3	0	2	2	2	1	0	0	0	0	0	0	10
B788	1	0	0	1	0	0	0	0	0	0	0	0	2
BE99	1	0	0	1	0	0	0	0	0	0	0	0	2
C208	2	0	0	2	0	0	0	0	0	0	0	0	4
CRJ2	22	0	0	2	0	0	0	0	0	0	0	0	24
CRJ7	1	0	0	1	0	0	0	0	0	0	0	0	2
CRJ9	2	0	1	2	0	0	0	0	0	0	0	0	5
E75L	24	5	4	53	7	3	0	0	0	0	0	0	96
P31	1	0	0	22	0	0	0	0	0	0	0	0	23
<b>Total</b>	<b>194</b>	<b>52</b>	<b>34</b>	<b>238</b>	<b>43</b>	<b>31</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>596</b>

## Aircraft Noise Monitoring System (ANOMS)

The following tables capture the Remote Monitoring Terminal (RMT) data associated with this report. Table 8 provides the RMT thresholds, Tables 9 through 11 capture the Daily and Monthly CNEL levels for each month in the Quarter and Table 12 captures the Air Carrier Operations by Aircraft Type.

There are variances in Table 12 between the ANOMS data and the FAA ATADS data reported in the summary and Quarterly Airport Operation due to the way aircraft operating at the airport are categorized between Air Carrier and Air Taxi Operations. The prop/turboprop operations are typically captured in the FAA's Air Taxi category due to their capacity and/or weight classification. The Air Taxi data captured by the FAA ATADS system also includes fractional ownership operations (Business Jets) and small Regional Jets operated by the Air Carrier's Regional Airline partners. If a Regional Jet meets the payload weight limitation of 18,000 pounds or less, then the seating configuration (60 seat boundary) can alter the category that the operation falls into.

The FAA operator categories are defined as follows:

- **Air Carrier (AC):** Aircraft with seating capacity of more than 60 seats or a maximum payload capacity of more than 18,000 pounds, carrying passengers or cargo for hire or compensation. This includes US and foreign-flagged carriers.
- **Air Taxi (AT):** Aircraft designed to have a maximum seating capacity of 60 seats or less or a maximum payload capacity of 18,000 pounds or less, carrying passengers or cargo for hire or compensation.
- **General Aviation (GA):** Takeoffs and landings of all civil aircraft, except those classified as air carriers or air taxis.
- **Military:** All classes of military takeoffs and landings at FAA and FTC facilities.

**Table 8**

## 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

**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

**Table 9**

Daily/Monthly CNEL Levels – January 2020

Day	RMT 1	RMT 2	RMT 3	RMT 4	RMT 6	RMT 7	RMT 9	RMT 10	RMT 11	RMT 12	RMT 13	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	59.5	62.7	59.8	64.2	66.6	73.1	50.5	59.7	69.1	56.8	62.8	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	67.1	65.6	63.8	64.0	68.9	74.1	62.7	62.3	69.6	61.3	64.3	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	68.8	65.2	66.9	64.0	69.0	74.1	67.7	62.7	69.2	62.2	63.8	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	68.8	65.7	65.5	64.5	69.5	74.3	67.5	63.8	70.2	61.5	64.7	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	66.4	62.6	65.2	67.5	68.5	75.9	67.8	61.8	72.9	58.7	64.4	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	68.9	66.2	64.1	64.4	69.9	74.5	68.9	63.4	70.9	61.5	66.2	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	68.5	65.1	64.3	64.7	68.4	73.8	68.1	63.8	70.0	61.5	65.2	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	67.9	64.8	64.3	63.7	68.9	73.7	68.2	63.0	70.0	63.1	65.2	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	68.7	65.1	64.4	63.8	68.4	73.0	66.7	63.1	69.8	61.3	64.6	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	69.3	65.7	64.8	64.6	68.1	73.5	61.1	62.8	70.0	61.8	64.6	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	68.2	65.0	63.9	65.6	68.6	75.2	64.6	62.8	71.6	62.1	64.8	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	67.8	64.1	64.0	63.8	68.2	72.7	62.9	62.2	69.3	59.8	63.9	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	65.9	64.2	61.4	62.9	68.3	74.3	63.1	62.2	70.9	60.2	65.3	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	66.7	62.7	68.0	70.4	70.1	75.6	68.1	61.3	72.8	59.5	64.5	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	67.1	63.3	62.6	64.5	68.4	75.3	66.4	62.2	72.5	60.2	65.3	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	67.5	65.0	62.0	63.4	69.0	74.6	66.9	63.1	71.4	61.7	65.3	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	68.7	64.7	66.1	68.6	70.0	75.9	68.4	62.4	72.5	60.4	65.7	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	70.1	66.9	66.5	65.0	68.0	74.5	66.7	62.8	71.2	61.9	65.8	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	66.2	62.8	64.2	61.7	67.0	73.5	61.1	61.6	69.8	59.7	63.8	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	67.0	64.5	62.0	63.2	67.7	73.9	65.1	61.8	70.3	59.0	64.3	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	68.9	65.7	64.7	64.1	69.6	72.8	68.1	63.8	69.3	63.1	65.0	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	66.2	64.0	62.7	63.1	68.2	73.7	63.1	62.1	69.4	60.4	63.7	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	66.8	64.0	63.1	63.2	67.0	72.4	64.5	60.5	67.9	58.0	61.8	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	66.2	63.8	64.2	62.7	69.7	74.1	66.7	62.0	70.1	60.5	64.2	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	66.8	63.6	65.6	62.7	68.8	73.2	63.7	61.3	68.8	63.0	64.1	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	64.3	62.3	63.4	61.1	66.2	71.4	62.9	60.2	67.9	55.8	61.7	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	64.9	63.5	61.6	62.1	67.6	73.5	63.2	60.8	69.4	59.5	63.7	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	66.7	64.6	63.5	63.6	68.2	73.2	66.0	62.8	69.3	61.7	64.7	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	67.5	64.8	62.7	63.9	67.8	73.4	66.1	62.9	70.2	61.2	64.6	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	67.0	65.1	62.3	63.8	68.4	73.6	65.8	63.0	70.0	62.7	65.1	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	69.1	65.6	65.5	67.5	69.1	75.2	69.3	63.0	71.8	61.1	65.6	66.1	64.6	64.4	63.7	67.0	60.6	57.8	64.1	64.0	63.5	61.8	62.7
<b>Month</b>	<b>68.0</b>	<b>65.1</b>	<b>64.8</b>	<b>65.3</b>	<b>69.1</b>	<b>74.6</b>	<b>66.7</b>	<b>62.9</b>	<b>71.0</b>	<b>61.5</b>	<b>65.1</b>	<b>65.3</b>	<b>63.7</b>	<b>63.7</b>	<b>62.3</b>	<b>64.8</b>	<b>60.2</b>	<b>57.7</b>	<b>64.2</b>	<b>63.4</b>	<b>63.2</b>	<b>61.7</b>	<b>62.3</b>

**Table 10**

Daily/Monthly CNEL Levels – February 2020

Day	RMT 1	RMT 2	RMT 3	RMT 4	RMT 6	RMT 7	RMT 9	RMT 10	RMT 11	RMT 12	RMT 13	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	66.5	62.2	65.9	60.8	66.2	72.0	63.3	59.1	68.1	57.5	61.5	61.0	61.7	60.4	59.4	60.8	58.6	53.8	59.9	58.9	59.9	57.6	59.0
2	69.6	65.7	61.3	64.1	68.6	73.9	67.4	63.2	70.8	60.9	65.3	64.0	64.2	63.8	62.0	63.9	60.2	57.3	63.3	62.2	63.4	61.2	62.8
3	66.7	64.5	60.7	63.3	68.0	72.1	64.9	62.4	68.9	60.4	64.2	63.2	62.3	62.7	60.6	60.8	60.1	58.0	67.6	63.2	62.6	60.8	61.2
4	65.4	62.9	62.5	60.9	66.0	71.3	58.4	60.6	67.7	60.9	61.5	61.2	60.7	61.0	46.3	53.0	60.0	54.4	60.2	58.0	60.0	57.8	58.9
5	68.4	64.9	66.1	63.4	67.9	72.6	65.9	61.9	68.5	60.5	62.8	61.8	63.1	63.1	58.4	62.8	58.6	55.6	61.3	59.0	61.2	58.9	61.9
6	70.0	66.0	67.2	64.8	68.8	74.4	66.3	63.5	70.9	61.4	64.9	64.0	64.7	64.2	57.9	61.9	60.7	57.2	63.2	60.6	63.1	61.2	64.0
7	70.5	66.1	68.2	64.8	68.4	74.7	67.3	63.5	71.1	61.8	65.4	64.3	65.0	64.6	58.1	63.8	61.3	57.5	64.0	62.1	63.8	61.1	63.2
8	68.4	64.4	64.3	62.9	67.2	73.1	66.1	61.8	69.6	61.1	64.4	63.5	62.8	62.7	61.6	62.8	59.7	57.1	62.8	61.2	63.3	60.3	61.3
9	68.3	64.2	67.3	69.6	68.6	76.6	67.3	62.8	73.6	59.6	65.6	69.2	63.3	63.8	65.7	63.3	59.8	58.6	64.1	62.4	62.3	62.0	61.0
10	70.1	66.1	65.9	64.6	69.8	74.5	68.2	64.4	71.4	62.5	66.5	65.4	65.2	64.2	58.5	65.5	62.0	59.3	65.7	63.3	64.6	63.3	63.2
11	71.1	66.1	68.2	64.7	68.9	74.2	64.4	63.4	70.9	62.3	64.6	63.7	64.5	65.5	54.5	63.0	61.2	57.2	63.1	60.6	62.9	60.9	63.3
12	70.1	66.0	66.6	64.8	68.6	74.7	66.3	63.6	70.7	62.5	64.7	64.0	64.7	64.5	61.9	62.8	60.7	57.3	63.1	60.5	63.0	61.0	63.3
13	71.0	66.5	67.9	65.6	68.8	74.5	68.3	63.5	71.2	61.9	65.8	64.9	65.3	64.8	56.9	64.7	61.4	59.0	64.3	62.3	65.4	61.8	63.6
14	70.6	66.2	69.0	65.3	68.3	74.4	69.2	67.5	71.1	61.9	65.7	64.9	65.2	64.6	62.9	66.4	61.2	58.4	64.1	62.0	64.4	61.8	63.5
15	68.5	64.4	66.9	63.0	67.4	73.5	66.0	61.9	70.1	59.5	64.0	63.4	63.7	62.7	63.2	61.6	60.0	56.6	62.4	60.0	62.1	60.4	61.1
16	69.8	65.8	65.7	65.0	68.3	74.4	67.5	63.0	70.7	60.5	64.6	63.9	64.1	64.1	59.3	66.1	60.7	56.9	62.9	61.0	62.8	60.7	62.6
17	70.1	66.2	65.5	66.1	68.7	74.6	67.5	64.2	71.4	62.8	65.4	64.9	64.2	64.2	59.9	64.6	60.7	57.7	65.3	62.0	63.5	60.9	63.0
18	70.2	66.4	64.7	65.5	68.2	74.2	65.1	63.3	71.1	62.1	65.1	64.0	64.4	64.7	52.4	58.5	61.2	59.4	63.3	61.4	63.3	61.0	65.0
19	70.3	66.2	65.6	65.2	68.2	74.4	65.8	63.5	71.4	62.5	65.2	63.9	63.9	64.3	56.0	58.6	61.3	58.0	63.4	60.7	63.6	60.9	67.2
20	70.3	65.3	66.3	66.2	68.5	74.6	66.1	63.1	71.4	61.0	65.0	65.3	64.2	63.7	60.3	62.5	60.5	59.2	63.4	61.7	63.6	60.6	62.5
21	70.8	66.4	65.1	65.6	69.4	74.6	68.2	63.5	71.3	62.4	65.7	64.5	65.4	64.7	62.8	65.6	60.8	57.4	64.0	62.7	64.5	61.1	64.2
22	69.1	65.6	64.6	63.7	67.7	73.8	66.7	62.6	70.5	61.1	65.0	64.0	64.2	63.5	59.8	65.8	60.0	57.4	63.4	61.4	63.1	61.0	62.1
23	70.1	66.0	65.5	64.7	69.1	74.1	66.3	63.9	70.9	61.7	66.3	65.2	64.3	64.6	59.3	60.8	61.5	59.0	64.7	63.1	64.5	62.5	63.1
24	69.9	65.8	65.3	64.7	68.5	74.7	65.4	64.3	71.5	62.3	69.2	65.2	64.5	64.3	54.6	58.3	61.9	58.5	66.4	62.6	64.3	62.3	63.1
25	68.4	63.9	65.8	64.6	69.3	73.9	66.4	62.9	70.0	61.4	64.0	63.5	63.7	62.3	63.0	63.9	59.5	56.4	62.2	60.3	62.2	60.0	60.8
26	68.7	64.1	66.1	64.2	67.7	73.0	65.6	62.2	68.7	61.6	63.4	61.8	64.6	62.6	64.4	64.8	58.4	55.1	62.9	58.7	62.1	58.6	60.7
27	66.3	63.3	64.1	61.8	67.7	73.5	61.1	61.4	69.6	60.1	62.9	62.2	62.3	61.3	54.9	59.7	58.0	54.3	63.0	59.0	61.5	59.4	59.9
28	69.3	64.8	67.2	63.9	68.1	74.0	64.3	61.6	70.3	61.1	63.8	62.6	64.1	63.0	54.7	62.0	59.3	55.1	62.8	59.9	62.7	59.2	61.5
29	68.4	64.5	60.8	63.0	67.8	73.5	66.1	62.2	70.2	61.6	64.9	63.4	63.4	62.6	53.8	64.4	59.5	56.1	62.6	61.5	62.8	59.8	61.2
<b>Month</b>	<b>69.4</b>	<b>65.3</b>	<b>66.0</b>	<b>64.7</b>	<b>68.3</b>	<b>74.0</b>	<b>66.3</b>	<b>63.2</b>	<b>70.6</b>	<b>61.4</b>	<b>65.0</b>	<b>64.2</b>	<b>64.0</b>	<b>63.7</b>	<b>60.3</b>	<b>63.3</b>	<b>60.4</b>	<b>57.4</b>	<b>63.7</b>	<b>61.3</b>	<b>63.2</b>	<b>60.8</b>	<b>62.7</b>

**Table 11**

Daily/Monthly CNEL Levels – March 2020

Day	RMT 1	RMT 2	RMT 3	RMT 4	RMT 6	RMT 7	RMT 9	RMT 10	RMT 11	RMT 12	RMT 13	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	70.4	66.6	64.5	64.8	69.8	74.4	66.0	64.2	71.2	62.3	66.4	65.3	64.9	64.8	58.4	62.8	61.5	59.2	64.9	63.6	64.7	62.4	63.6
2	69.6	65.8	65.5	64.2	69.2	74.1	66.3	64.1	71.0	62.8	66.9	65.1	64.3	64.3	59.1	64.2	61.8	59.3	66.0	62.8	63.8	62.7	63.3
3	69.9	65.8	65.6	65.6	68.6	73.7	65.4	62.9	69.9	62.8	66.6	62.8	64.5	64.2	60.5	62.7	60.1	56.2	64.3	61.8	62.0	59.5	62.5
4	70.0	66.0	65.3	65.0	68.5	74.6	66.8	63.9	71.6	62.8	66.7	65.0	64.4	64.2	60.5	65.0	61.5	58.4	64.5	62.1	64.5	61.9	63.1
5	70.1	66.3	65.5	65.3	68.8	74.1	66.5	62.9	70.8	62.3	65.3	64.1	64.1	64.6	56.6	59.7	60.6	57.6	64.0	61.4	63.7	61.3	63.1
6	69.7	66.0	66.8	64.7	69.0	74.7	66.5	63.6	71.2	61.9	65.2	65.2	64.3	64.3	61.5	62.5	60.5	56.7	64.6	61.7	63.6	60.9	63.2
7	69.4	65.6	66.3	64.0	67.6	72.6	64.1	62.4	69.4	61.1	64.8	64.1	63.6	64.0	53.7	60.7	60.1	57.8	64.3	61.4	62.9	62.0	62.8
8	70.5	66.7	66.4	64.9	69.3	74.8	66.3	64.4	71.7	64.3	67.0	65.7	65.2	65.0	55.2	63.7	62.4	59.5	65.4	63.8	64.9	63.0	64.0
9	70.3	66.2	66.5	68.1	69.3	74.0	64.7	64.6	71.1	62.2	65.7	65.6	64.7	65.0	63.0	59.8	60.7	57.5	65.7	62.3	63.6	60.9	63.5
10	70.2	65.7	67.5	70.2	69.8	74.1	67.4	61.9	71.5	60.3	63.7	65.9	64.8	64.9	66.0	65.0	57.5	54.9	62.0	60.5	62.2	60.1	62.2
11	70.4	66.4	65.7	66.4	68.9	74.1	65.4	63.7	71.3	62.0	65.6	65.6	64.2	64.7	60.2	59.8	61.2	58.0	63.8	61.6	63.7	61.9	63.3
12	71.3	66.9	63.8	65.9	70.2	74.2	68.1	64.7	71.0	62.4	65.7	64.5	65.8	65.1	57.2	64.7	61.0	58.0	64.0	62.4	64.0	61.5	64.0
13	71.4	67.1	65.9	66.1	70.0	74.0	67.1	64.8	70.7	62.9	65.9	64.6	66.0	65.5	58.4	65.6	61.3	58.7	64.1	62.7	64.3	62.3	64.2
14	69.3	65.3	65.1	63.7	68.3	72.9	66.4	63.2	69.9	61.1	65.1	64.6	64.5	63.6	51.9	60.2	60.7	58.3	63.4	61.0	63.0	61.8	62.3
15	69.5	65.8	63.7	64.3	69.2	73.0	66.4	63.5	70.2	61.8	65.7	64.3	64.4	64.1	59.7	66.2	60.8	58.4	64.0	62.3	63.9	61.8	62.8
16	70.7	66.5	62.1	65.4	70.4	73.0	66.7	64.4	69.9	63.1	65.4	64.2	65.5	64.8	57.1	63.3	60.9	58.6	65.5	61.7	63.5	61.5	63.3
17	69.5	65.9	62.8	64.1	69.3	71.2	66.1	64.0	68.4	63.9	64.2	62.8	64.5	64.3	59.1	63.2	60.4	58.1	62.7	62.0	62.8	61.3	63.2
18	69.9	66.3	62.7	64.8	69.4	71.5	61.8	63.9	68.7	63.1	64.5	63.4	64.7	64.6	57.0	57.3	60.6	58.2	63.1	62.1	63.0	61.3	63.3
19	69.3	65.9	62.2	64.2	69.0	71.2	65.4	63.4	68.2	61.5	64.1	62.6	64.6	64.4	58.6	62.6	59.7	57.6	62.4	61.3	62.6	60.7	63.0
20	69.6	65.9	62.3	64.2	69.5	71.0	63.5	63.1	68.0	61.4	64.1	62.8	64.1	64.0	55.8	60.9	59.4	57.4	62.4	60.6	62.3	60.5	63.0
21	67.6	64.2	59.4	63.0	67.8	70.3	62.7	62.0	67.5	59.8	63.3	62.6	62.2	62.5	54.1	60.1	58.9	57.2	61.8	59.3	61.3	60.5	61.0
22	67.2	64.4	58.1	63.0	67.9	70.1	60.7	61.7	67.2	59.9	62.8	61.1	62.2	62.4	46.9	56.2	58.1	55.8	61.1	59.1	61.2	58.8	61.2
23	67.8	64.2	59.8	62.5	68.5	69.5	63.4	63.4	66.9	60.7	63.2	61.2	62.0	62.3	56.9	60.5	58.6	56.7	64.5	60.1	61.7	60.3	61.1
24	69.0	65.4	60.9	64.1	68.4	69.6	62.6	62.6	66.9	61.9	62.9	61.4	63.0	63.7	52.6	55.1	59.1	56.9	61.5	59.7	61.1	59.6	62.2
25	68.8	65.2	60.6	63.6	68.1	68.3	61.9	62.2	65.8	61.4	62.1	60.6	62.9	63.5	52.1	56.2	58.0	56.2	60.5	58.5	60.6	59.0	62.3
26	70.3	64.9	61.7	63.7	68.7	67.8	62.2	62.7	65.5	61.2	62.0	60.3	62.7	63.3	57.7	57.8	58.5	57.2	60.4	58.9	60.9	59.2	61.8
27	67.3	64.0	59.8	62.2	68.0	69.8	62.4	62.2	67.0	60.4	62.3	61.1	62.6	62.3	52.1	60.9	58.4	56.1	60.6	58.6	60.7	60.8	61.3
28	66.5	63.2	57.9	61.4	65.9	68.2	61.6	60.0	65.7	58.0	61.4	59.9	61.2	61.3	48.0	63.7	57.1	55.8	59.9	57.0	59.6	58.5	60.3
29	65.8	62.9	57.3	61.2	67.0	68.6	57.7	61.1	66.2	59.1	62.1	60.5	60.6	61.3	40.4	51.7	57.5	55.5	60.4	57.7	60.4	58.5	59.9
30	66.6	62.9	59.0	61.7	66.9	68.5	57.1	61.2	65.9	59.6	61.6	60.0	60.8	61.6	41.9	47.3	57.9	56.6	64.5	57.1	60.0	58.6	60.0
31	68.6	63.6	63.1	65.6	67.0	69.5	64.4	61.1	66.5	59.8	61.1	60.9	61.8	62.0	58.1	62.2	57.5	54.6	59.1	55.5	59.8	58.0	60.7
<b>Month</b>	<b>69.4</b>	<b>65.5</b>	<b>63.9</b>	<b>64.9</b>	<b>68.8</b>	<b>72.4</b>	<b>65.0</b>	<b>63.2</b>	<b>69.4</b>	<b>61.8</b>	<b>64.6</b>	<b>63.6</b>	<b>63.9</b>	<b>63.9</b>	<b>58.3</b>	<b>62.1</b>	<b>60.0</b>	<b>57.5</b>	<b>63.5</b>	<b>61.1</b>	<b>62.7</b>	<b>60.9</b>	<b>62.6</b>

**Table 12**

Air Carrier Operations by Aircraft Type captured by the Noise Monitoring System.

Aircraft Type	Air Canada Jazz	Air Canada Rouge	Alaska Airlines	Allegiant Air	American	British Airways	Compass Airlines	Delta Air Lines	Edelweiss	Frontier Airlines	Hawaiian	Horizon Air	Japan Airlines	jetBlue	Lufthansa	SkyWest Airlines	Southwest Airlines	Spirit Airlines	Sun Country Airlines	United Airlines	WestJet	Airborne Express	FedEx Express	UPS Airlines	Total Operations
A20N	0	0	0	0	0	0	0	0	0	334	0	0	0	0	0	0	0	196	0	0	0	0	0	0	530
A21N	0	0	64	0	131	0	0	0	0	0	211	0	0	0	0	0	0	0	0	0	0	0	0	0	406
A221	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
A306	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
A319	0	28	262	13	2	0	0	261	0	411	0	0	0	0	0	0	0	429	0	338	0	0	0	0	1,744
A320	0	2	1,587	0	74	0	0	539	0	98	0	0	0	213	0	0	0	170	0	996	0	0	0	0	3,679
A321	0	128	0	0	2,664	0	0	1,631	0	4	0	0	0	642	0	0	0	0	0	0	0	0	0	0	5,069
A332	0	0	0	0	0	0	0	0	0	0	133	0	0	0	0	0	0	0	0	0	0	0	0	0	133
A333	0	0	0	0	0	0	0	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28
A343	0	0	0	0	0	0	0	0	0	0	0	0	0	0	98	0	0	0	0	0	0	0	0	0	98
B736	0	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	2	0	0	0	0	0	0	0	0	0	0	0	0	0	14,306	0	0	52	86	0	0	0	14,446
B738	0	0	901	0	1,212	0	0	644	0	0	0	0	0	0	0	0	4,311	0	116	686	28	0	0	0	7,898
B739	0	0	1,282	0	0	0	0	129	0	0	0	0	0	0	0	0	0	0	0	1,975	0	0	0	0	3,386
B744	0	0	0	0	0	147	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	147
B752	0	0	0	0	156	0	0	569	0	0	0	0	0	0	0	0	0	0	0	571	0	0	172	2	1,470
B753	0	0	0	0	0	0	0	127	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	127
B762	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4
B763	0	6	0	0	0	0	0	68	0	0	0	0	0	0	0	0	0	0	0	0	0	127	484	218	903
B764	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
B772	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2
B788	0	0	0	0	0	0	0	0	0	0	0	0	170	0	0	0	0	0	0	0	0	0	0	0	170
CRJ2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	347	0	0	0	0	0	0	0	0	347
CRJ7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	260	0	0	0	0	0	0	0	0	260
CRJ9	478	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	478
DC10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	4
E175	0	0	0	0	0	0	1,651	0	0	0	0	1,326	0	0	0	3,294	0	0	0	0	0	0	0	0	6,271
<b>Jet</b>	<b>478</b>	<b>164</b>	<b>4,098</b>	<b>13</b>	<b>4,239</b>	<b>147</b>	<b>1,651</b>	<b>4,000</b>	<b>0</b>	<b>847</b>	<b>344</b>	<b>1,326</b>	<b>170</b>	<b>855</b>	<b>98</b>	<b>3,901</b>	<b>18,617</b>	<b>795</b>	<b>116</b>	<b>4,620</b>	<b>136</b>	<b>131</b>	<b>660</b>	<b>222</b>	<b>47,628</b>
BE99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	155	155
C208	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	422	0	422
PA31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	118	118
SW3/4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	12
Prop	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	422	285	707
<b>All Ops</b>	<b>478</b>	<b>164</b>	<b>4,098</b>	<b>13</b>	<b>4,239</b>	<b>147</b>	<b>1,651</b>	<b>4,000</b>	<b>0</b>	<b>847</b>	<b>344</b>	<b>1,326</b>	<b>170</b>	<b>855</b>	<b>98</b>	<b>3,901</b>	<b>18,617</b>	<b>795</b>	<b>116</b>	<b>4,620</b>	<b>136</b>	<b>131</b>	<b>1,082</b>	<b>507</b>	<b>48,335</b>