Quarterly Noise Report

For the California Department of Transportation

Third Quarter – Calendar Year 2022

Aircraft Noise Mitigation

December 8, 2022

Q3 2022 Quarterly Noise Report

July 1 through September 30, 2022

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 (Airport Authority) for the operation of San Diego International Airport (SDIA) on September 2, 2019.

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

Brendan Reed (Dec 8, 2022 13:19 PST)

Brendan J. Reed
Director of Planning & Environmental Affairs

Kimberly J. Becker

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) – 0.316 Square Miles (202.24 Acres)
    - Federal Military Impact Area (F.M.I.A.) – 0.126 Square Miles (80.64 Acres)

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

    - Dwelling Units – 2,665* (Population – 5,643*)

3. Number of Noise Complaints and Households during the Calendar Quarter:

    - 22,150 Complaints (129 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:

    - Airbus A332 (186 Operations)

5. Number of Air Carrier Operations during the Calendar Quarter: 51,311

6. Percentage of Air Carrier Aircraft Stage 3 or Better:

    - 100%

7. Number of Air Taxi Operations during the Calendar Quarter: 4,270

8. Number of General Aviation Operations during the Calendar Quarter: 3,177

9. Number of Military Operations during the Calendar Quarter: 357

10. Total number of Airport Operations during the Calendar Quarter: 59,115

Reference: Form DOA 617, 10/89

* Population and dwelling unit calculations are based upon 2020 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.

Table 1

Impact Area	Q3 2022	Q3 2021	Change
N.I.A.	0.316	0.090	0.226
F.M.I.A	0.126	0.125	0.001

Noise Contour

The Noise Contour on the subsequent page is prepared for the Airport Authority by their consultant HMMH Inc., using their RealContours for Aviation Environmental Design Tool (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 extents of the contours are adjusted based on actual noise measurements from permanent noise monitors to meet Section 5032 of the California Nosie Standards.

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.

This was the third contour, since the COVID-19 pandemic, that increased substantially in size. Key observations, when reviewing the Airport Noise & Operations Monitoring System data, contributing to the increase are listed below. The analysis is based on a rolling 12-month comparison between 3rd Quarter, 2021 (October 1, 2020 – Sept 30, 2021) and the 3rd Quarter, 2022 (October 1, 2021 – Sept 30, 2022).

- Total operations increased by 38%.
- Evening Operations (7:00 p.m. – 10:00 p.m.) increased by 37%, and Nighttime Operations (10:00 p.m. – 7:00 a.m.) increased by 67%. These operations are weighted heavier in the noise model and were a significant reason for the increased size of the contour.

- Fleet mix changed with a 22% increase of heavy aircraft such as, A306, A330, A350, and 787-8/9.

- FedEx reduced their operations by 9% by removing the daily Boeing B757-200 aircraft. However, they replaced this flight with a louder, Airbus A306 heavy aircraft, during the nighttime hours, which had a significant impact on the contour.

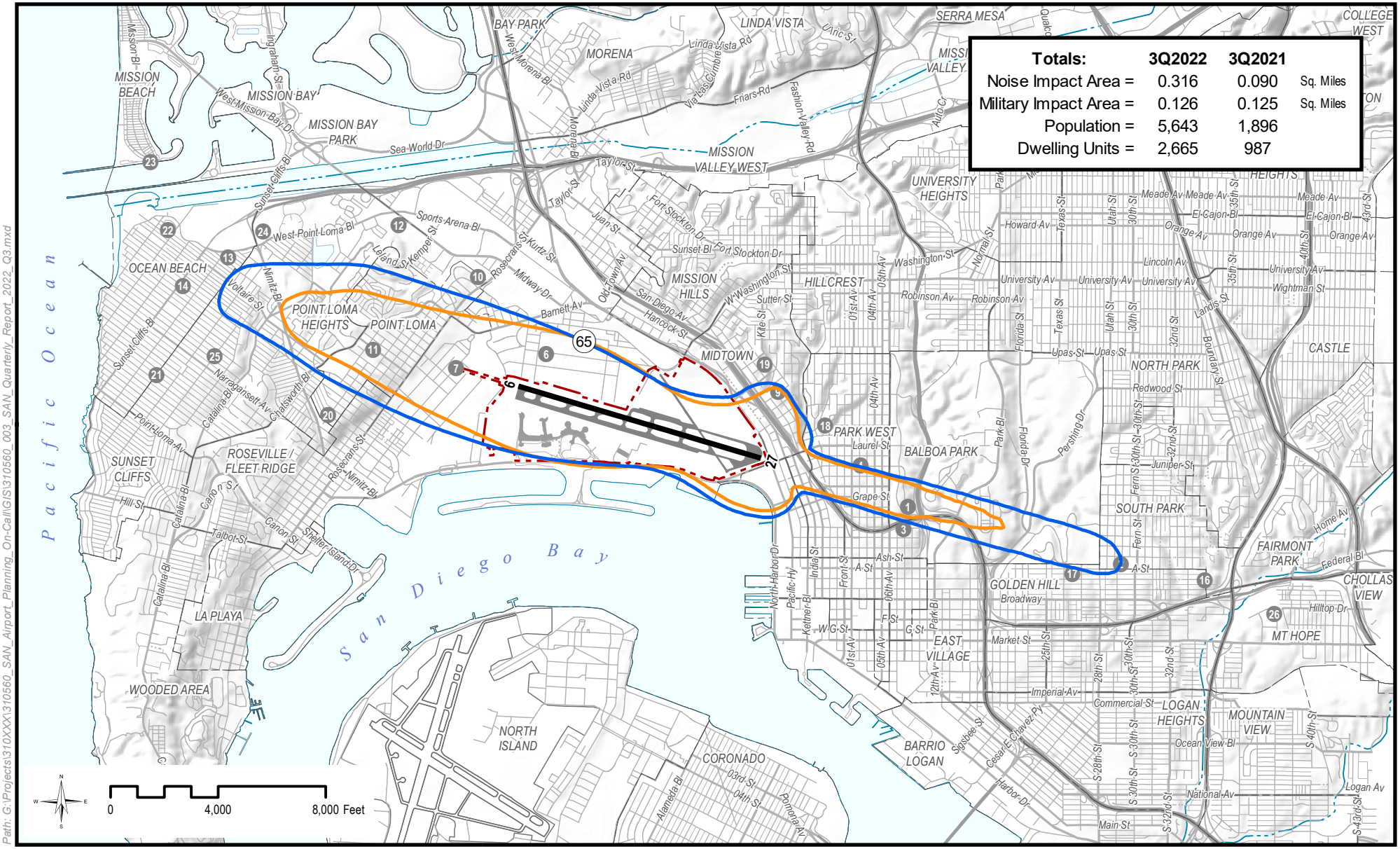
- The overall operations by Airbus A350 aircraft increased to 451 flights serving Heathrow International Airport and Munich International Airport long-haul markets, compared to zero operations by this aircraft type, the same period last year.

- Airbus A320neo family (A20N and A321N) usage increased by 89% from the same period last year.

- The combined usage of all Airbus A320 and A321 increased by 49% from the same period last year.

Moving forward, it is anticipated that the level of change in noise exposure, compared to the previous year, would begin to normalize.

Data Sources: San Diego International Airport; San Diego Association of Governments (SANDAG); City of San Diego and County of San Diego (SanGIS); Environmental Systems Research Institute, Inc. (ESRI); U.S. Census Blocks 2010



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SAN DIEGO INTERNATIONAL AIRPORT
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Comparison of the 2021 and 2022 Third Quarter 65 dB Community Noise Equivalent Level (CNEL) Contours

Community Sound Insulation Program

Per the requirements of the Airport's Variance agreement, the Airport Authority is the sponsor to an active Community Sound Insulation Program, also known as the Quieter Home Program (QHP). In 2020, the airport also initiated a non-residential sound insulation program and is currently working on two church/pre-school facilities. 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 imposed for non-compliance with Airport Authority Code 9.40, Airport Use Regulations. Contours used for QHP eligibility are based on FAA-accepted Noise Exposure Maps as part of the Part 150 Noise Compatibility Program.

To date, QHP has completed 4,983 homes with a current waitlist of 604 units.

Aircraft Noise Complaints

During the Quarter, the Aircraft Noise Office received a total of 22,150 complaints from 129 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.

Table 2

Operations	3rd Quarter 2022	3rd Quarter 2021	Net Change	Percent Change
Air Carrier	51,311	40,865	10,446	25.6%
Air Taxi	4,270	4,063	207	5.1%
General Aviation	3,177	3,235	(58)	-1.8%
Military	357	260	97	37.3%
Total	**59,115**	**48,423**	**10,692**	**22.1%**

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 at SDIA. 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, Aircraft Noise, for the disposition of the violation.

Monetary 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 19 curfew violations, with imposed fines totaling $30,000.

Airport Noise Advisory Committee (ANAC)

The 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 Community Noise Equivalent Level (CNEL) data is shown in Table 3 below. The levels are calculated utilizing the data found in the Airport Noise & Operations Monitoring System (ANOMS) section, which captures the Remote Monitoring Terminals (RMT) thresholds and Daily/Monthly CNEL Logs.

Table 3

RMT #	Quarter CNEL (dB)	Annual CNEL (dB)
1	70.3	68.9
2	65.9	64.7
3	65.3	64.7
4	64.8	63.7
6	68.8	67.7
7	74.5	73.1
9	66.3	65.4
10	64.0	62.2
11	70.8	69.4
12	60.6	59.8
13	64.9	63.8
14	63.7	63.2
16	63.6	62.8
17	64.5	63.3
18	58.0	58.2
19	61.3	62.8
20	60.4	59.2
21	56.4	56.0
22	63.1	62.2
23	61.5	60.4
24	63.7	62.2
25	60.3	59.6
26	62.7	61.7

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. SENEL levels went up due to an increase in the overall number of operations (Arrivals and Departures), as compared to the same time last year.

Table 4

	Q3 2022	Q3 2021	Change (dB)
Arrivals	95.5	93.9	1.58
Departures	101.7	99.4	2.25

The data used to compile this section of the report is captured by reviewing the entire quarter to determine the loudest aircraft. The supporting data is listed in Tables 5 through 7 on subsequent pages. Tables 5 and 6 show 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.

Table 5

Quarterly SENEL Survey – Arrivals (RMT #1) – July – September, 2022

Aircraft Type	SENEL (dB)	Origin	Flight Number	Date and Time
B763	97.3	MEM	FDX1456	8/6/2022 5:56 AM
B763	96.8	MEM	FDX1456	8/27/2022 5:40 AM
B734	96.7	DLF	SWQ3602	7/11/2022 1:48 PM
B763	96.5	SDF	UPS922	7/7/2022 4:32 AM
B763	96.5	SDF	UPS2636	7/13/2022 4:47 PM
B734	96.5	DEN	SWQ3318	9/13/2022 1:29 PM
B733	96.4	ELP	SWQ3502	9/11/2022 1:33 PM
B772	96.2	LHR	BAW44N	7/15/2022 5:09 PM
B763	96.1	SDF	UPS2636	8/23/2022 5:00 PM
B763	96.1	IND	FDX1754	9/15/2022 5:10 AM
B763	96.0	JFK	DAL350	8/6/2022 11:02 AM
B772	96.0	LHR	BAW44N	8/26/2022 5:34 PM
B753	96.0	ATL	DAL868	9/19/2022 12:32 PM
B772	95.9	LHR	BAW44N	8/29/2022 5:03 PM
B763	95.9	MEM	FDX1422	8/30/2022 5:57 AM
B763	95.8	IND	FDX1754	8/18/2022 4:45 AM
B734	95.8	AEX	SWQ3402	8/23/2022 9:12 AM
B763	95.8	MEM	FDX906	8/26/2022 5:03 PM
A321	95.6	DFW	AAL2568	8/5/2022 11:05 PM
B763	95.6	MEM	FDX906	8/23/2022 5:11 PM
B752	95.6	OAK	FDX1889	9/27/2022 4:18 AM
B77W	95.5	LHR	BAW44N	7/5/2022 5:45 PM
A306	95.5	IND	FDX2754	7/13/2022 10:00 AM
B772	95.5	LHR	BAW44N	8/4/2022 5:42 PM
B763	95.5	SDF	UPS922	8/30/2022 5:05 AM
B738	95.5	LAS	SWA2201	9/12/2022 2:47 PM
B772	95.4	LHR	BAW44N	7/28/2022 5:04 PM
B772	95.4	LHR	BAW44N	8/27/2022 5:04 PM
B763	95.3	MEM	FDX1456	7/2/2022 5:05 AM
B772	95.3	LHR	BAW44N	7/7/2022 5:11 PM
B737	95.3	RNO	SWA1941	7/7/2022 10:52 PM
B77W	95.3	LHR	BAW44N	7/10/2022 5:09 PM
B763	95.3	SDF	UPS2636	7/26/2022 5:00 PM
B734	95.3	YUM	SWQ3112	8/3/2022 2:13 PM
B772	95.3	LHR	BAW44N	8/3/2022 5:05 PM
B772	95.3	LHR	BAW44N	8/13/2022 5:04 PM
B772	95.3	LHR	BAW44N	8/15/2022 5:12 PM
B772	95.3	LHR	BAW44N	8/18/2022 5:13 PM
B763	95.3	PHX	FDX979	8/25/2022 4:44 PM

Table 5 – Continued

Quarterly SENEL Survey – Arrivals (RMT #1) – July – September, 2022

Aircraft Type	SENEL (dB)	Origin	Flight Number	Date and Time
B772	95.3	LHR	BAW44N	8/25/2022 5:25 PM
B763	95.3	MEM	FDX1422	8/31/2022 5:35 AM
A332	95.3	HNL	HAL16	9/22/2022 8:21 PM
B763	95.3	MEM	FDX1456	9/24/2022 5:01 AM
B763	95.3	IND	FDX1754	9/30/2022 4:57 AM
A306	95.3	IND	FDX2754	9/30/2022 10:06 AM
B739	95.2	IAH	UAL2358	7/13/2022 10:54 AM
B752	95.2	JFK	DAL350	7/27/2022 11:20 AM
B752	95.2	OAK	FDX1889	8/2/2022 4:21 AM
B752	95.2	OAK	FDX1889	8/27/2022 4:04 AM
B763	95.2	SDF	UPS922	9/16/2022 4:59 AM
B763	95.2	MEM	FDX906	9/17/2022 5:30 PM
A306	95.2	IND	FDX2754	9/21/2022 9:41 AM
B753	95.2	ATL	DAL868	9/24/2022 11:06 AM
B763	95.1	MEM	FDX906	7/28/2022 4:44 PM
B734	95.1	IWA	SWQ3110	8/3/2022 8:48 AM
B77W	95.1	LHR	BAW44N	8/19/2022 4:43 PM
B763	95.1	SDF	UPS922	9/20/2022 4:48 AM
B737	95.1	AUS	SWA2982	9/21/2022 12:43 PM
A321	95.0	DFW	AAL2747	7/11/2022 2:16 PM
B77W	95.0	LHR	BAW44N	7/13/2022 5:30 PM
B772	95.0	LHR	BAW44N	8/2/2022 5:43 PM
B739	95.0	SEA	ASA1176	9/16/2022 2:21 PM
B77W	94.9	LHR	BAW44N	7/4/2022 5:42 PM
B77W	94.9	LHR	BAW44N	7/6/2022 5:20 PM
B763	94.9	MEM	FDX906	7/15/2022 4:35 PM
B733	94.9	DLF	SWQ3506	7/28/2022 1:11 PM
B738	94.9	IAD	UAL1251	7/31/2022 2:34 PM
B772	94.9	LHR	BAW44N	8/9/2022 5:11 PM
B734	94.9	IWA	SWQ3304	8/18/2022 7:46 AM

Table 6

Quarterly SENEL Survey – Departures (RMT #7) – July – September, 2022

Aircraft Type	SENEL (dB)	Destination	Flight Number	Date and Time
A332	103.4	HNL	HAL15	9/13/2022 8:35 AM
B772	103.0	LHR	BAW72A	8/11/2022 7:38 PM
A332	102.4	HNL	HAL15	9/4/2022 8:14 AM
B772	102.3	LHR	BAW72A	9/1/2022 8:13 PM
B772	102.3	LHR	BAW72A	8/20/2022 7:33 PM
A332	102.3	HNL	HAL15	7/2/2022 8:26 AM
B772	102.2	LHR	BAW72A	8/16/2022 8:56 PM
B772	102.2	LHR	BAW72A	9/2/2022 7:12 PM
A332	102.1	HNL	HAL15	7/17/2022 8:30 AM
A321	102.1	DFW	AAL1947	7/30/2022 9:38 AM
A332	102.1	HNL	HAL15	8/3/2022 8:19 AM
B772	102.1	LHR	BAW72A	8/6/2022 8:02 PM
B739	102.1	EWR	UAL1032	7/8/2022 6:51 AM
A321	102.0	ATL	DAL406	7/2/2022 8:20 AM
B772	102.0	LHR	BAW72A	9/6/2022 8:17 PM
A332	101.9	HNL	HAL15	8/16/2022 8:18 AM
B772	101.9	LHR	BAW72A	8/25/2022 7:45 PM
A332	101.9	HNL	HAL15	8/20/2022 8:29 AM
B772	101.8	LHR	BAW72A	8/13/2022 7:11 PM
A332	101.8	HNL	HAL15	7/27/2022 8:31 AM
B772	101.8	LHR	BAW72A	7/29/2022 7:27 PM
B772	101.8	LHR	BAW72A	7/15/2022 7:28 PM
B739	101.8	JFK	ASA392	8/7/2022 11:17 PM
B772	101.7	LHR	BAW72A	7/22/2022 7:19 PM
B738	101.7	JFK	DAL358	8/21/2022 7:17 AM
A332	101.7	HNL	HAL15	9/19/2022 8:36 AM
B772	101.7	LHR	BAW72A	8/12/2022 7:43 PM
B739	101.6	JFK	ASA180	8/12/2022 7:53 AM
B772	101.6	LHR	BAW72A	8/31/2022 7:25 PM
A332	101.6	HNL	HAL15	9/2/2022 8:48 AM
B772	101.6	LHR	BAW72A	8/15/2022 7:21 PM
B739	101.6	EWR	UAL2471	8/26/2022 6:52 AM
A321	101.6	CLT	AAL2093	7/5/2022 10:34 PM
A332	101.6	HNL	HAL15	9/17/2022 8:26 AM
B739	101.6	IAD	UAL546	8/14/2022 7:30 AM
B772	101.5	LHR	BAW72A	7/28/2022 7:11 PM
B772	101.5	LHR	BAW72A	7/23/2022 7:32 PM
A332	101.5	HNL	HAL15	9/20/2022 9:09 AM
B739	101.5	EWR	UAL1032	7/25/2022 7:08 AM

Table 6 – Continued

Quarterly SENEL Survey – Departures (RMT #7) – July – September, 2022

Aircraft Type	SENEL (dB)	Destination	Flight Number	Date and Time
B739	101.5	IAD	UAL2129	9/30/2022 10:00 PM
B739	101.5	EWR	OV4015	8/22/2022 6:42 AM
A332	101.5	HNL	HAL15	9/5/2022 8:23 AM
A332	101.5	HNL	HAL15	7/9/2022 8:13 AM
B739	101.5	MCO	ASA760	7/30/2022 8:23 AM
A321	101.5	CLT	AAL1651	8/21/2022 7:53 AM
B772	101.4	LHR	BAW72A	8/26/2022 7:37 PM
B772	101.4	LHR	BAW72A	8/27/2022 7:08 PM
B739	101.4	IAD	UAL546	7/15/2022 7:43 AM
A332	101.4	HNL	HAL15	7/20/2022 11:58 AM
A332	101.4	HNL	HAL15	7/24/2022 8:16 AM
B772	101.4	LHR	BAW72A	8/5/2022 7:40 PM
A321	101.4	DFW	AAL1947	9/2/2022 9:44 AM
B753	101.3	ATL	DAL868	9/10/2022 1:44 PM
B77W	101.3	LHR	BAW72A	8/19/2022 7:13 PM
B738	101.3	KOA	ASA899	8/15/2022 7:51 AM
B772	101.3	LHR	BAW72A	8/29/2022 7:25 PM
A332	101.3	HNL	HAL15	9/12/2022 8:35 AM
B772	101.3	LHR	BAW72A	8/18/2022 7:23 PM
B739	101.3	IAD	UAL2129	7/27/2022 9:43 PM
B739	101.3	IAD	UAL1116	9/17/2022 8:23 AM
B772	101.3	LHR	BAW72A	8/2/2022 7:53 PM
B739	101.3	SEA	ASA1133	7/18/2022 6:49 AM
B772	101.3	LHR	BAW72A	9/3/2022 7:26 PM
A332	101.2	HNL	HAL15	8/12/2022 8:10 AM
A321	101.2	PHL	AAL2758	9/1/2022 10:51 PM
A332	101.2	HNL	HAL15	9/14/2022 8:37 AM
A332	101.2	HNL	HAL15	7/11/2022 8:30 AM
B772	101.2	LHR	BAW72A	8/4/2022 7:53 PM
B739	101.1	IAD	UAL546	8/17/2022 7:29 AM

Table 7

Average Daily Operations by Runway, Operation Type, Time of Day and Aircraft Type
July – September, 2022

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	4	2	2	5	1	1	0	0	0	0	0	0	**15**
A21N	2	1	1	3	0	1	0	0	0	0	0	0	**8**
A306	1	0	0	0	0	1	0	0	0	0	0	0	**2**
A319	2	0	0	1	1	0	0	0	0	0	0	0	**4**
A320	12	2	2	12	2	2	0	0	0	0	0	0	**32**
A321	23	6	5	22	2	9	0	0	0	0	0	0	**67**
A332	0	1	0	1	0	0	0	0	0	0	0	0	**2**
A359	1	0	0	1	0	0	0	0	0	0	0	0	**2**
B38M	11	2	2	12	2	1	0	0	0	0	0	0	**30**
B39M	4	1	1	5	1	0	0	0	0	0	0	0	**12**
B737	47	12	9	48	15	6	2	0	0	1	0	0	**140**
B738	35	7	9	40	6	5	1	0	0	1	0	0	**104**
B739	13	6	4	17	4	3	0	0	0	0	0	0	**47**
B752	1	0	1	1	1	0	0	0	0	0	0	0	**4**
B763	2	0	2	1	2	1	0	0	0	0	0	0	**8**
BE99	1	0	0	1	0	0	0	0	0	0	0	0	**2**
C208	2	0	0	2	0	1	0	0	0	0	0	0	**5**
CRJ9	0	1	0	1	0	0	0	0	0	0	0	0	**2**
E170	24	4	3	23	5	3	0	0	0	0	0	0	**62**
E75L	0	0	1	0	0	1	0	0	0	0	0	0	**2**
Total	**185**	**45**	**42**	**196**	**42**	**35**	**3**	**0**	**0**	**2**	**0**	**0**	**550**

Airport Noise & Operations 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 Operations 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.

Table 8

Remote Monitoring Terminals (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 – July, 2022

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	70.7	66.9	68.2	65.8	69.6	75.0	67.2	63.7	71.4	61.5	65.6	63.8	64.4	65.4	59.0	61.9	61.1	56.5	63.5	61.8	64.1	60.4	63.9
2	69.4	65.5	66.6	64.1	67.9	73.6	65.8	62.2	70.2	60.2	64.9	64.0	63.0	64.1	55.7	60.5	60.5	56.8	62.8	60.6	62.9	60.7	62.4
3	69.7	66.0	66.7	64.6	69.2	74.0	66.9	63.7	70.3	61.0	65.3	64.0	63.6	64.7	57.5	62.1	60.6	57.3	63.6	62.4	63.7	60.8	62.6
4	69.4	65.7	67.5	64.3	68.7	74.6	67.1	63.2	71.0	61.6	66.1	64.8	63.9	64.4	57.9	62.9	60.9	59.9	64.3	64.6	64.3	61.2	62.4
5	69.5	65.9	64.3	64.4	68.7	74.3	66.4	63.3	70.8	61.0	65.3	63.6	63.6	64.7	56.6	62.1	60.6	57.5	63.5	61.7	63.8	60.4	63.1
6	69.8	66.1	65.6	64.9	69.4	74.1	66.5	63.3	70.1	60.3	64.7	63.9	63.7	64.7	58.3	60.8	60.0	56.3	63.0	60.5	63.2	60.3	63.0
7	70.6	66.7	66.7	65.4	69.4	74.5	66.8	63.4	70.8	60.7	65.4	65.0	64.5	65.3	56.7	60.9	60.3	58.1	63.6	61.6	63.9	60.3	63.7
8	70.1	66.5	67.7	65.2	70.1	74.5	66.7	63.5	71.0	61.2	65.2	63.6	64.4	65.0	57.3	60.5	60.4	55.9	63.2	61.7	63.9	59.9	63.3
9	69.0	65.5	66.3	64.1	68.4	73.9	66.1	62.2	69.8	59.7	64.2	63.5	62.8	65.2	56.3	58.3	60.2	56.1	62.2	59.8	62.2	60.7	62.0
10	69.7	66.0	64.9	64.8	68.9	74.7	66.6	62.6	70.7	60.2	64.8	63.1	63.4	64.6	55.9	59.1	59.9	55.1	62.6	61.2	63.5	59.5	62.6
11	70.2	66.5	64.8	65.0	69.7	74.6	66.7	63.7	70.5	60.3	64.7	63.1	63.9	65.2	57.5	61.2	60.0	55.9	63.1	61.0	63.4	59.1	63.3
12	70.0	66.3	65.4	65.0	69.4	74.2	66.9	63.8	70.7	61.7	65.4	63.7	64.1	64.9	58.9	62.3	60.8	56.5	63.8	62.2	64.0	60.4	63.9
13	70.6	66.6	66.0	65.6	69.2	74.3	66.5	63.6	70.5	60.9	64.8	63.4	64.1	65.3	59.7	60.4	60.4	56.3	63.0	61.5	63.3	60.2	63.8
14	70.6	66.9	65.6	65.9	69.3	74.6	66.9	64.2	71.0	61.1	65.7	64.4	64.5	65.4	58.5	62.8	60.9	57.1	63.9	63.1	64.2	61.4	64.5
15	70.1	66.4	66.1	65.2	69.7	75.4	67.1	63.4	71.2	61.6	65.2	63.7	64.3	64.9	58.3	62.7	60.3	55.5	63.3	63.2	63.9	60.0	62.9
16	79.9	65.5	67.9	65.3	67.9	74.6	66.5	61.6	71.1	58.1	63.7	64.0	63.1	64.1	58.0	61.6	59.4	55.2	61.8	60.3	61.9	58.5	62.0
17	78.0	65.7	65.8	65.7	68.4	74.7	66.3	61.8	71.2	60.4	65.1	63.7	63.3	64.4	58.5	61.8	59.5	54.6	63.0	61.8	63.8	58.7	62.4
18	70.1	66.4	64.6	65.2	69.2	75.3	66.9	63.6	71.7	61.8	66.2	64.4	65.0	65.0	57.2	63.7	61.5	58.6	64.3	63.1	64.7	61.2	63.1
19	69.8	66.1	64.3	65.0	69.1	74.9	66.8	63.4	70.7	60.7	64.3	63.4	64.1	64.7	57.8	59.9	60.3	55.9	62.4	60.2	62.9	60.0	62.6
20	69.9	66.1	65.4	64.9	68.9	75.1	67.2	62.9	71.0	60.7	64.6	63.3	63.7	64.6	58.0	62.5	60.2	55.8	62.5	60.3	63.0	60.1	62.8
21	70.1	66.3	64.8	65.1	69.0	74.8	67.0	63.5	71.3	61.1	65.0	63.2	65.4	64.7	55.9	62.2	60.8	56.1	62.8	61.4	63.9	60.8	63.2
22	70.2	66.6	65.2	65.1	69.8	75.2	66.9	63.7	71.5	61.3	65.8	64.7	64.8	65.0	57.3	64.0	61.4	57.5	63.8	62.3	64.2	61.4	63.3
23	69.0	65.6	63.9	63.9	69.0	74.8	66.9	63.4	71.1	60.8	64.7	64.0	63.5	64.0	59.3	63.5	60.6	56.1	62.5	61.0	63.0	60.6	62.0
24	69.7	66.4	63.2	64.7	69.1	75.4	66.8	63.1	71.5	60.9	65.8	64.5	64.1	64.8	57.7	64.0	61.0	56.0	63.7	62.0	64.3	60.2	63.0
25	70.3	66.7	63.9	65.4	69.7	75.4	67.4	64.4	71.8	62.8	65.9	63.7	64.3	65.1	57.9	63.0	61.3	56.0	63.9	62.3	64.6	60.4	63.3
26	70.2	66.6	64.8	65.3	69.5	74.6	66.8	63.6	70.9	62.1	65.3	63.6	64.0	65.3	56.7	60.4	61.0	56.3	63.2	61.5	64.0	60.4	63.3
27	70.2	66.3	66.2	65.1	69.1	74.4	66.7	63.3	70.9	61.2	65.6	64.7	63.9	64.9	58.1	60.0	60.9	56.8	65.4	61.5	63.9	60.9	63.6
28	70.1	66.5	64.0	65.1	69.6	74.9	67.6	63.8	71.3	61.4	65.3	63.4	64.3	64.8	56.7	62.2	61.0	56.6	63.1	61.2	64.0	60.4	63.4
29	70.3	66.6	65.8	65.3	70.0	75.2	67.4	63.8	71.4	61.4	66.1	64.2	64.4	65.2	57.4	64.5	61.1	56.9	64.1	62.8	64.8	60.9	63.3
30	69.3	65.3	66.1	64.3	68.0	74.2	66.1	62.4	70.5	60.1	64.8	64.3	63.3	64.1	55.3	62.4	60.4	57.4	63.2	60.9	64.0	61.0	63.1
31	69.5	66.0	64.9	64.7	68.9	75.0	66.6	62.6	71.2	60.6	65.3	63.6	63.6	64.5	55.9	61.6	60.8	56.1	63.2	61.7	63.8	60.0	62.8
Month	**71.6**	**66.2**	**65.8**	**65.0**	**69.2**	**74.7**	**66.8**	**63.3**	**71.0**	**61.0**	**65.2**	**63.9**	**64.0**	**64.8**	**57.6**	**62.0**	**60.6**	**56.7**	**63.4**	**61.8**	**63.8**	**60.4**	**63.1**

Table 10

Daily/Monthly CNEL Levels – August, 2022

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	70.0	66.4	64.3	65.3	69.4	74.8	67.2	71.6	71.3	61.3	65.9	64.0	64.0	65.0	57.4	61.5	61.1	57.4	65.3	62.8	65.3	60.7	63.5
2	69.8	65.9	65.5	64.7	69.0	74.1	66.3	63.6	70.6	61.8	65.0	64.0	63.2	64.7	57.4	59.1	60.8	57.0	63.3	61.4	64.8	60.9	62.7
3	69.3	65.6	64.8	64.5	69.4	74.6	66.9	63.6	71.0	61.5	65.5	64.2	63.0	64.3	57.6	59.4	60.9	57.3	63.6	62.1	65.8	61.1	62.5
4	70.2	66.3	66.1	65.7	69.3	75.2	67.2	63.8	71.7	61.8	66.6	65.1	63.6	65.0	58.9	61.3	62.3	57.8	64.7	63.3	65.5	61.7	63.0
5	70.5	66.8	67.9	65.6	69.6	75.0	66.7	63.3	71.1	61.0	65.7	64.3	64.0	65.6	58.9	58.0	61.1	57.5	64.4	62.6	64.9	61.1	63.6
6	69.4	65.5	65.7	64.3	68.7	74.4	65.7	62.3	70.3	58.9	63.7	63.9	63.0	64.2	56.6	56.8	60.1	56.0	62.1	59.1	62.1	60.5	62.6
7	69.7	66.3	64.7	64.8	68.6	74.7	66.2	62.6	71.1	60.0	64.3	62.2	63.6	64.8	55.0	59.8	60.4	54.4	62.0	60.6	63.3	59.0	62.7
8	69.6	65.8	64.0	64.8	69.3	75.7	67.0	72.8	72.1	61.2	66.0	64.0	63.6	64.6	55.6	63.5	61.0	56.6	64.3	62.3	64.8	60.1	62.6
9	69.2	65.4	64.0	64.2	68.4	75.1	66.9	72.0	71.4	61.2	65.3	63.9	63.2	64.3	56.4	62.2	60.9	56.5	63.4	61.7	64.1	60.4	62.1
10	69.4	66.1	64.2	65.0	68.4	74.7	66.8	70.6	70.9	60.6	64.9	63.5	63.5	65.1	59.8	61.6	60.6	56.2	63.1	61.2	63.8	60.2	63.0
11	70.2	66.7	65.6	65.4	69.0	74.4	65.6	62.9	70.1	60.0	64.3	63.0	63.9	65.6	56.9	57.4	60.2	55.8	62.3	60.4	63.1	60.1	63.2
12	69.5	65.9	66.4	64.8	68.7	74.6	67.0	62.9	71.2	60.8	64.5	62.8	63.5	64.3	57.1	59.9	60.4	56.1	62.4	61.0	63.4	60.2	62.8
13	69.1	65.4	64.4	63.9	68.0	74.6	66.0	62.1	71.0	59.7	64.7	63.9	63.3	63.8	54.7	61.7	61.0	56.6	62.9	61.2	63.3	60.7	63.7
14	69.1	65.5	63.5	64.2	68.8	75.2	66.5	62.9	71.6	60.8	65.7	63.7	63.3	64.3	57.3	63.1	61.1	57.0	63.7	62.6	64.8	60.5	63.0
15	69.1	65.5	62.8	64.4	68.8	75.0	67.0	62.8	71.3	60.5	65.5	63.5	63.2	64.1	57.3	62.1	60.6	56.0	63.3	61.8	64.4	60.1	62.7
16	69.9	66.2	64.6	64.9	68.2	74.1	66.3	62.5	70.5	60.3	64.7	63.1	63.9	64.7	56.1	61.3	59.9	55.4	62.7	60.4	63.6	59.7	63.0
17	69.9	66.4	63.7	65.0	68.6	74.4	66.5	62.7	70.6	59.9	64.3	63.1	63.7	65.2	57.1	61.7	59.8	55.6	62.4	60.1	63.2	59.7	62.9
18	70.3	66.5	66.1	65.0	69.2	74.8	66.9	63.5	71.2	61.3	65.4	63.9	63.6	64.9	59.3	60.3	61.1	56.8	63.2	61.4	64.4	60.7	62.9
19	70.6	66.8	66.1	65.3	70.1	75.6	67.8	63.8	71.6	61.3	66.3	64.5	64.7	65.3	57.8	63.9	61.0	57.2	64.2	62.9	65.0	60.9	63.2
20	69.4	65.8	63.6	64.1	68.1	74.7	66.7	62.6	71.2	59.4	64.3	63.5	63.8	64.1	57.7	63.1	59.8	55.9	62.3	61.1	62.8	59.3	62.2
21	69.9	66.5	65.1	65.3	68.6	74.9	67.3	62.8	71.3	60.6	65.2	63.2	64.0	65.1	57.3	63.0	60.6	55.3	63.0	61.7	64.1	59.5	64.5
22	69.6	65.9	64.1	64.5	68.8	74.8	65.8	63.0	71.1	60.4	65.3	63.2	63.2	64.7	56.2	59.8	60.5	55.4	63.2	61.1	63.9	60.4	62.6
23	70.2	66.5	63.7	64.9	68.8	74.7	66.3	63.0	70.9	59.9	64.5	63.1	64.2	64.9	56.8	63.6	59.4	54.9	62.6	60.8	63.4	59.2	62.8
24	69.8	66.0	63.8	64.8	69.0	74.9	66.6	63.0	71.1	60.6	65.5	64.1	63.7	64.5	56.3	62.8	60.4	56.1	63.6	62.1	64.2	60.7	62.7
25	69.8	66.1	64.4	65.0	68.8	74.6	66.5	63.6	71.2	61.8	65.4	63.9	63.8	64.7	55.6	60.2	61.0	56.8	63.6	61.8	64.3	60.8	63.0
26	70.1	66.2	65.9	65.6	69.1	74.8	67.4	63.2	71.1	62.0	65.3	63.7	63.7	64.8	58.1	60.9	61.0	56.4	63.3	61.6	64.1	60.6	63.0
27	69.6	65.3	65.0	64.2	68.1	74.2	66.5	62.3	70.6	59.7	64.5	64.0	63.0	64.1	55.2	60.9	60.4	57.1	62.8	61.0	62.9	61.2	62.8
28	69.2	65.7	64.1	65.0	68.9	74.7	66.6	63.3	71.3	60.9	65.9	64.5	63.4	64.2	55.9	61.7	61.1	57.3	64.1	62.7	64.6	61.2	62.6
29	69.8	65.9	64.9	64.9	68.9	74.9	66.1	63.3	71.1	61.0	65.9	64.4	63.4	64.8	56.1	56.5	61.1	57.6	64.3	61.9	64.7	61.6	62.7
30	69.4	65.6	64.9	64.4	68.8	74.2	65.5	62.8	70.2	61.0	64.2	63.5	62.7	64.3	68.7	57.2	60.4	56.7	62.8	60.1	63.0	60.6	62.4
31	69.4	66.0	65.1	64.6	68.9	74.4	66.2	62.9	69.9	59.1	63.3	62.7	63.5	64.6	59.7	58.7	59.6	55.4	61.8	61.2	61.9	59.4	62.5
Month	**69.7**	**66.0**	**64.9**	**64.8**	**68.9**	**74.8**	**66.6**	**65.7**	**71.0**	**60.7**	**65.1**	**63.7**	**63.6**	**64.7**	**58.8**	**61.2**	**60.7**	**56.5**	**63.3**	**61.6**	**64.1**	**60.5**	**62.9**

Table 11

Daily/Monthly CNEL Levels – September, 2022

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	69.8	66.1	63.5	66.1	68.6	75.2	66.8	62.8	71.4	60.5	64.8	63.2	63.9	64.3	57.9	64.2	59.8	55.3	62.6	61.9	63.8	59.2	63.0
2	69.6	66.0	66.3	64.9	68.9	75.3	67.2	62.5	71.6	60.1	65.0	63.3	63.6	64.9	58.7	63.1	60.2	56.1	63.0	61.9	63.9	59.6	62.4
3	67.8	64.0	64.8	62.6	67.1	74.2	65.1	60.9	70.5	58.3	63.2	62.7	61.7	62.6	58.9	61.6	58.7	55.0	61.7	59.8	61.6	58.7	60.6
4	67.9	64.5	63.7	63.2	66.8	74.1	64.4	60.7	70.2	58.3	63.5	62.6	62.2	63.3	54.5	60.9	59.0	55.2	62.0	61.6	62.3	58.9	61.1
5	69.3	65.7	62.7	64.9	68.6	75.3	66.6	62.9	71.5	60.6	65.3	63.5	63.4	64.1	55.8	62.9	60.5	56.0	63.5	62.1	64.2	60.1	62.2
6	68.8	65.1	62.6	64.0	68.0	74.6	66.0	62.3	71.0	60.1	64.4	62.7	63.3	64.1	58.4	62.1	60.3	55.8	62.5	61.0	63.3	59.5	62.2
7	68.5	65.0	62.5	63.7	67.4	73.7	63.7	61.9	70.1	59.3	63.8	62.7	62.5	63.6	54.6	56.6	59.1	55.5	62.1	60.3	62.7	59.9	61.9
8	68.6	64.7	64.0	63.8	67.9	73.9	63.8	62.4	70.2	59.3	63.8	62.9	62.0	63.5	55.0	58.0	59.2	55.4	62.4	60.0	62.9	59.4	61.4
9	69.6	65.4	69.1	71.1	67.2	73.4	64.6	44.5	71.2	56.9	62.1	66.0	63.0	64.9	66.0	61.1	55.5	49.7	60.0	59.1	61.3	53.3	61.7
10	68.2	64.3	62.6	62.8	68.1	73.9	65.5	0.0	70.7	59.6	64.5	63.6	62.2	62.7	57.2	61.5	59.8	56.0	62.6	61.4	63.7	60.2	61.5
11	69.1	65.3	62.6	63.8	67.6	74.2	65.3	0.0	70.9	59.5	65.1	63.8	62.7	63.8	53.8	59.2	60.5	58.4	63.4	62.0	63.9	61.1	61.9
12	69.1	65.5	62.7	64.0	67.9	73.6	65.4	63.0	70.0	60.1	64.9	63.3	62.8	64.1	54.4	59.7	60.0	56.5	63.3	61.5	64.1	60.5	62.1
13	69.2	65.6	63.1	64.2	68.4	73.3	65.1	62.9	69.9	63.1	64.6	63.5	63.3	64.1	55.7	60.4	59.5	56.6	62.9	61.8	63.6	60.4	62.7
14	68.5	64.8	64.0	63.4	66.9	73.2	64.8	62.3	69.7	59.3	63.4	62.0	63.0	63.4	54.2	61.1	58.8	54.5	61.4	59.7	62.3	58.8	61.7
15	69.9	66.1	66.2	64.6	68.8	74.1	65.4	62.9	70.6	62.1	65.4	64.2	64.1	64.7	53.8	60.8	60.9	57.6	63.7	62.0	64.2	61.5	62.9
16	69.9	65.9	67.9	64.5	70.4	73.7	66.3	61.9	70.6	61.1	65.0	63.7	64.0	64.5	57.3	60.1	60.6	57.0	63.2	61.8	63.9	60.6	62.8
17	68.4	64.7	63.6	62.8	67.4	73.6	65.1	60.2	69.9	59.2	64.6	63.1	62.6	62.9	52.7	61.8	59.7	56.2	63.0	61.1	63.2	59.9	61.3
18	69.6	66.1	66.2	64.2	68.2	74.3	66.6	63.2	71.0	60.8	65.7	64.4	64.1	64.7	55.9	59.4	61.0	57.5	64.0	62.4	64.3	61.1	62.8
19	69.6	65.9	65.1	64.5	69.1	74.3	64.9	63.2	70.8	61.0	65.6	64.1	63.4	64.5	56.4	62.3	61.0	57.6	64.1	62.7	64.4	61.5	62.9
20	69.5	65.7	66.0	64.2	68.0	73.0	62.2	61.0	69.4	60.0	64.3	63.5	63.1	64.5	53.3	53.4	60.2	57.3	62.6	60.4	62.8	60.8	62.7
21	69.9	66.1	66.6	64.6	68.4	73.4	65.8	61.7	69.9	60.6	64.7	63.8	63.6	64.8	57.7	55.2	60.5	57.2	63.2	61.0	63.4	61.3	63.0
22	69.5	65.7	65.5	64.6	68.6	74.0	66.2	62.6	70.6	60.8	65.1	63.9	63.5	64.3	54.2	60.7	60.8	57.1	63.2	61.1	63.8	61.0	63.3
23	69.3	65.6	66.1	64.4	67.9	73.7	66.0	60.7	69.9	59.5	63.7	62.4	63.3	64.2	59.8	57.6	60.3	55.2	61.8	60.0	62.7	59.2	62.3
24	68.1	64.2	65.7	63.0	67.1	73.2	65.6	58.0	69.1	58.2	62.4	62.3	61.6	62.9	57.3	59.0	59.2	54.9	61.6	58.4	60.9	58.9	60.4
25	68.8	65.5	64.1	64.1	68.1	74.3	65.2	62.8	70.5	59.4	63.8	63.0	62.9	64.2	54.3	54.3	60.4	55.9	62.0	59.5	62.5	59.8	62.3
26	69.0	65.4	63.5	64.3	68.4	73.5	64.8	61.6	69.9	60.8	64.5	63.0	63.1	64.2	55.1	59.1	60.0	56.0	62.6	60.5	63.4	59.6	62.1
27	69.0	65.4	64.4	64.1	67.9	72.9	65.1	62.2	69.5	59.3	64.1	63.7	63.0	64.1	54.7	59.3	59.5	57.3	62.1	60.0	62.6	59.2	61.8
28	68.3	64.3	62.6	63.5	67.4	73.8	65.6	60.4	69.9	57.7	62.8	63.6	62.2	62.7	55.8	61.7	57.1	54.1	61.1	58.9	61.6	58.7	60.6
29	68.3	64.6	65.7	64.5	68.2	74.5	66.4	65.0	71.0	58.7	63.8	64.5	62.3	63.3	56.9	61.3	58.6	54.4	62.0	60.1	62.5	58.5	60.9
30	70.2	66.3	69.9	65.1	69.6	74.1	66.2	63.5	70.4	60.0	64.7	63.4	64.7	64.9	55.6	61.9	59.9	56.2	62.9	61.4	63.5	59.9	62.9
Month	**69.1**	**65.4**	**65.3**	**64.7**	**68.2**	**74.0**	**65.5**	**62.1**	**70.4**	**60.0**	**64.4**	**63.5**	**63.1**	**64.0**	**57.3**	**60.6**	**59.8**	**56.1**	**62.6**	**61.0**	**63.2**	**59.9**	**62.1**

Table 12

Air Carrier Operations by Aircraft Type captured by the Airport Noise & Operations Monitoring System – July – September, 2022

Aircraft Type	Air Canada	Alaska Airlines	Allegiant Air	American Airlines	Avelo Airlines	British Airways	Delta Air Lines	FedEx Express	Frontier Airlines	Global Crossing Airlines	Hawaiian Airlines	Horizon Air	Japan Airlines	Jaz Aviation	jetBlue Airways	Lufthansa	National Airlines	SkyWest Airlines	Southwest Airlines	Spirit Airlines	Sun Country Airlines	Swift Air (iAero Airways)	Swoop	United Airlines	UPS Airlines	Westjet Airlines	Total Operations
A20N	0	0	0	0	0	0	0	0	698	0	0	0	0	0	0	0	0	0	0	615	0	0	0	0	0	0	**1,313**
A21N	0	10	0	486	0	0	160	0	0	0	183	0	0	0	54	0	0	0	0	0	0	0	0	0	0	0	**893**
A306	0	0	0	0	0	0	0	102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**102**
A319	0	0	104	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	281	0	0	**387**
A320	171	132	314	2	0	0	641	0	126	6	0	0	0	0	154	0	0	0	0	430	0	0	0	1,013	0	0	**2,989**
A321	0	0	0	2,622	0	0	2,529	0	162	0	0	0	0	0	745	0	0	0	0	173	0	0	0	0	0	0	**6,231**
A332	0	0	0	0	0	0	0	0	0	0	184	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	**186**
A359	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	123	0	0	0	0	0	0	0	0	0	0	**123**
A35K	0	0	0	0	0	36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**36**
B38M	248	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,358	0	0	0	0	113	0	16	**2,745**
B39M	0	582	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	498	0	0	**1,080**
B733	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	0	0	0	0	**42**
B734	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	47	0	0	0	0	**47**
B737	0	0	0	0	18	0	0	0	0	0	0	0	0	0	0	0	0	0	12,835	0	0	0	0	38	0	34	**12,925**
B738	0	907	0	772	0	0	978	0	0	0	0	0	0	0	0	0	0	0	4,750	0	135	132	7	1,751	0	77	**9,509**
B739	0	2,868	0	0	0	0	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,447	0	0	**4,375**
B744	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	**2**
B752	0	0	0	0	0	0	267	128	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	**399**
B753	0	0	0	0	0	0	68	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	**70**
B763	0	0	0	0	0	0	26	480	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	202	0	**708**
B772	0	0	0	0	0	70	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**70**
B77W	0	0	0	0	0	52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**52**
B788	0	0	0	0	0	0	0	0	0	0	0	0	45	0	0	0	0	0	0	0	0	0	0	0	0	0	**45**
B789	0	0	0	0	0	0	0	0	0	0	0	0	67	0	0	0	0	0	0	0	0	0	0	0	0	0	**67**
BCS3	38	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**38**
CRJ2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	44	0	0	0	0	0	0	0	0	**44**
CRJ9	0	0	0	0	0	0	0	0	0	0	0	0	184	0	0	0	0	0	0	0	0	0	0	0	0	0	**184**
E170	0	0	0	0	0	0	0	0	0	0	0	352	0	0	0	0	0	5,412	0	0	0	0	0	0	0	0	**5,764**
E75L	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	246	0	0	0	0	0	0	0	0	**246**
E75S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	**12**
Jet	**457**	**4,499**	**418**	**3,892**	**18**	**158**	**4,731**	**710**	**986**	**6**	**367**	**352**	**112**	**184**	**953**	**123**	**4**	**5,714**	**19,943**	**1,218**	**135**	**221**	**7**	**5,147**	**202**	**127**	**50,684**
BE99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	154	0	**154**
C208	0	0	0	0	0	0	0	436	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**436**
Prop	**0**	**0**	**0**	**0**		**0**	**0**	**436**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**154**	**0**	**590**
All Ops	**457**	**4,499**	**418**	**3,892**	**18**	**158**	**4,731**	**1,146**	**986**	**6**	**367**	**352**	**112**	**184**	**953**	**123**	**4**	**5,714**	**19,943**	**1,218**	**135**	**221**	**7**	**5,147**	**356**	**127**	**51,274**

QNR 3rd Quarter 2022

Final Audit Report 2022-12-15

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