CDA
CHICAGO DEPARTMENT OF AVIATION

2021 Annual Report

Fly Quiet Program

Chicago O'Hare International Airport

Visit the O'Hare Noise Webpage on the Internet at
www.flychicago.com/oharenoise

2021 Annual Report

BACKGROUND

On June 17, 1997, the City of Chicago announced that airlines operating at Chicago O'Hare International Airport had agreed to use designated noise abatement flight procedures in accordance with the Fly Quiet Program. The Fly Quiet Program was implemented in an effort to further reduce the impacts of aircraft noise on the surrounding neighborhoods.

The Fly Quiet Program is a voluntary program that encourages pilots and air traffic controllers to use designated nighttime preferential runways and flight tracks developed by the Chicago Department of Aviation (CDA) in cooperation with the O'Hare Noise Compatibility Commission, the airlines, and the air traffic controllers. These preferred routes direct aircraft over less-populated areas, such as forest preserves, highways, as well as commercial and industrial areas.

As part of the Fly Quiet Program, the CDA prepares a Fly Quiet Report. This report is shared with CDA staff, the O'Hare Noise Compatibility Commission, the airlines, the Federal Aviation Administration (FAA), and the general public. The Fly Quiet Report contains detailed information regarding Fly Quiet Mode, runway use, flight operations, flight tracks, and noise complaints and 24-hour tracking of ground run-ups. The data presented in this report is compiled from the Airport Noise Management System (ANMS) and airport operation logs.

FLY QUIET MODE

The FAA considers nighttime hours as 10:00 p.m. - 7:00 a.m.[1] It is the CDA's goal for the Fly Quiet Program to occur during the entire nine-hour nighttime period of 10:00 p.m. to 7:00 a.m., however due to operational demand by the airlines and traveling public, Fly Quiet is typically limited to a period less than nine hours. Fly Quiet Mode (FQM), the period of time in Fly Quiet, starts each night on or after 10:00 p.m., once demand allows for two departure runways and one arrival runway and allows for the use of the preferential flight tracks as outlined in the CDA's Fly Quiet Manual. Demand for the majority of the night allows for one arrival runway and one departure runway. Once demand increases in the morning where additional runways are needed and preferential flight tracks can no longer be utilized, Fly Quiet Mode stops.

Highlights for **2021** include:

Average Start Time: **10:49 p.m.**	Average Stop Time: **6:03 a.m.**
Average Nightly Time in FQM: **7:14**	Average Nightly Operations in FQM: **93**

Note 1: Airport Noise Compatibility Planning (14 CFR Part 150)

OPERATIONS

O'Hare has eight runways that are all utilized at different times depending on a number of conditions including weather, airfield pavement and construction activities, and air traffic demand.

The *Runway Use Reports* disclose runway utilization for the period and compares the average percentage of use for each runway during the current year. The percentage of use for departures and arrivals is shown graphically for each runway. This data is presented for all aircraft types during Fly Quiet Mode. The *Nighttime Hourly Operations Report* compares the arrivals and departures by hour in 15 minute increments to the current year. Percentage is a ratio whereas a percentage point is the difference between two percentages.

Highlights for **2021** include:

Departures	**Arrivals**
Most used nighttime departure runway: **28R – *41%***	Most used nighttime arrival runway: **28C – *35%***
9C night departures increased by ***10pp*** from 2020	27C night arrivals increased by ***12pp*** from 2020
28R night departures decreased by ***7pp*** from 2020	27L night arrivals decreased ***20pp*** from 2020

pp = Percentage Points

Nighttime operations represent ***10%*** of the overall daily operations

PREFERENTIAL FLIGHT TRACKS

As part of the Fly Quiet Program, the CDA worked with the O'Hare Noise Compatibility Commission, the airlines, and the air traffic controllers to identify preferred runways and flight tracks for nighttime operations at O'Hare. The preferred routes direct aircraft over less-populated areas in an effort to limit the effects of noise on the surrounding communities.

Adherence to nighttime departure preferential flight tracks is measured by the ANMS. An average deviation graphic and table is provided for all runways. The *Nighttime Departure Track Report* measures FQM deviation (in nautical miles) from the preferred flight tracks and is divided into three categories:

Highlights for **2021** include:

Categories	**Percent Deviation**
less than 0.5 miles	**82%**
between 0.5 and 1.0 miles	**13%**
greater than 1.0 miles	**5%**

A detailed airline deviation summary is also provided for the current year that shows total arrivals, total departures, and average FQM deviation (in nautical miles) from the preferred flight tracks.

NOISE

The *Nighttime Aircraft Noise Report* summarizes noise measurements from each of the 40 noise monitors located around O'Hare. The data presented summarizes the Equivalent Sound Level (Leq). Leq is used to identify the average sound level over a given period of time (in this case 10 p.m. to 7 a.m.) and is the metric used for this analysis as it is the most appropriate noise measure for periods of time less than 24 hours.

NOISE COMPLAINTS

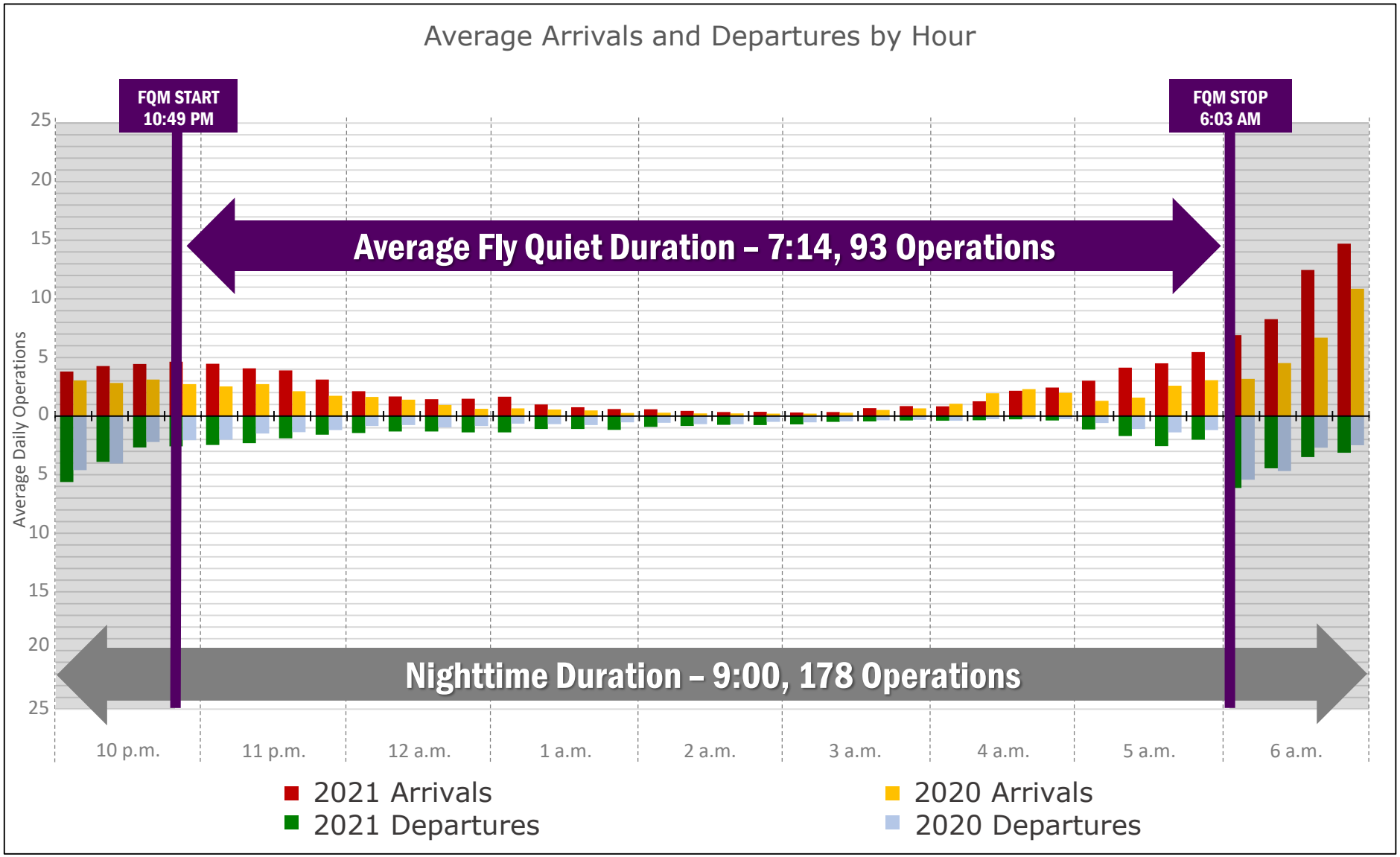
The CDA maintains a toll-free noise hotline (**1-800-435-9569**) and an online service at www.flychicago.com/oharenoise, and a free CHI 311 mobile app for citizens to express their concern about particular aircraft events or aircraft noise levels in general. The *Nighttime Noise Complaint Report* summarizes the number of complaints received from households with verifiable addresses and where the households were located. The tables illustrate the method of complaints, and nature of complaints during the specified year. These totals only include complaints made within the State of Illinois to the O'Hare Noise Hotline toll-free number, online service, or CHI 311 mobile app.

GROUND RUN-UPS

Ground run-ups are aircraft engine tests that are performed to ensure that the engines are working properly after maintenance is performed. Ground run-ups typically occur at night and generate high levels of noise for extended periods of time. In 1997, the CDA constructed a ground run-up enclosure (GRE) at O'Hare to help reduce the noise impacts of ground run-ups on the communities surrounding the airport. This facility was the first of its kind in the United States. When it is not possible to use the GRE, run-ups are performed at one of the four alternative locations. In the fall of 2017, the CDA relocated the GRE from its original location to a new location approximately 1,100 feet to the northeast, but still located on the Scenic Hold Pad.

The *Airline Ground Run-up Report* displays the total number of ground run ups from the current year by airline. The *Aircraft Ground Run-up Report* displays the total number of ground run ups from the current year by aircraft. Both reports compare the percent utilization of the GRE facility to the percent utilization of other locations for ground run-ups.

Nighttime Hourly Operations Report
Chicago O'Hare International Airport
Period: January 1, 2021 through December 31, 2021
Time of Day: 10:00 p.m. to 7:00 a.m.



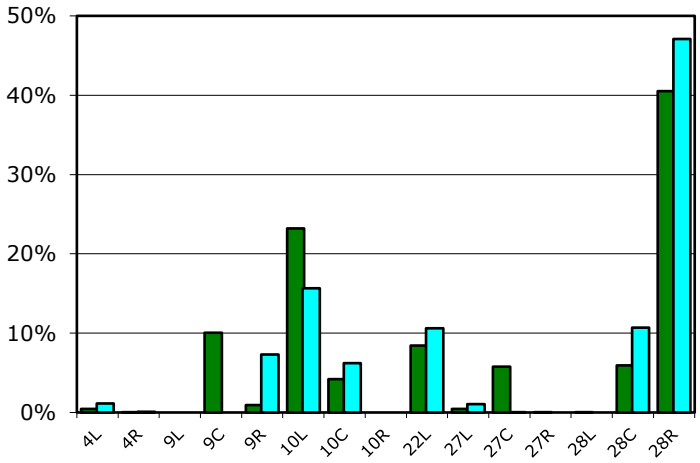
Runway Use Report
Chicago O'Hare International Airport
Period: January 1, 2021 through December 31, 2021
Time of Day: 10:00 p.m. to 7:00 a.m.

Average Runway Use (10 p.m. to 7 a.m.)

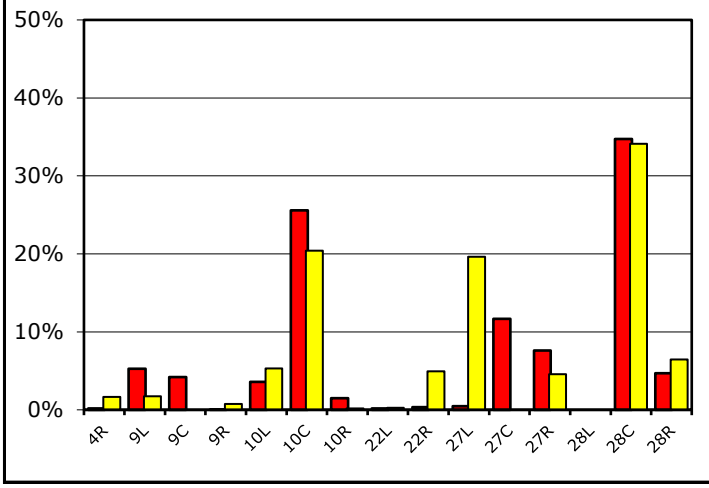
Source: Airport Noise Management System (ANMS)

	Runway Utilization															
	4L	***4R***	***9L***	***9C***	***9R***	***10L***	***10C***	***10R***	***22L***	***22R***	***27L***	***27C***	***27R***	***28L***	***28C***	***28R***
Average Daily Departures																
2021	**0**	**0**	**0**	**6**	**1**	**15**	**3**	**0**	**5**	**n/a**	**0**	**4**	**0**	**0**	**4**	**26**
2020	1	0	0	n/a	4	8	3	0	5	n/a	1	n/a	0	0	5	23
Average Daily Arrivals																
2021	**n/a**	**0**	**6**	**5**	**0**	**4**	**29**	**2**	**0**	**0**	**1**	**13**	**9**	**0**	**39**	**5**
2020	n/a	1	1	n/a	1	4	14	0	0	3	14	n/a	3	0	24	5

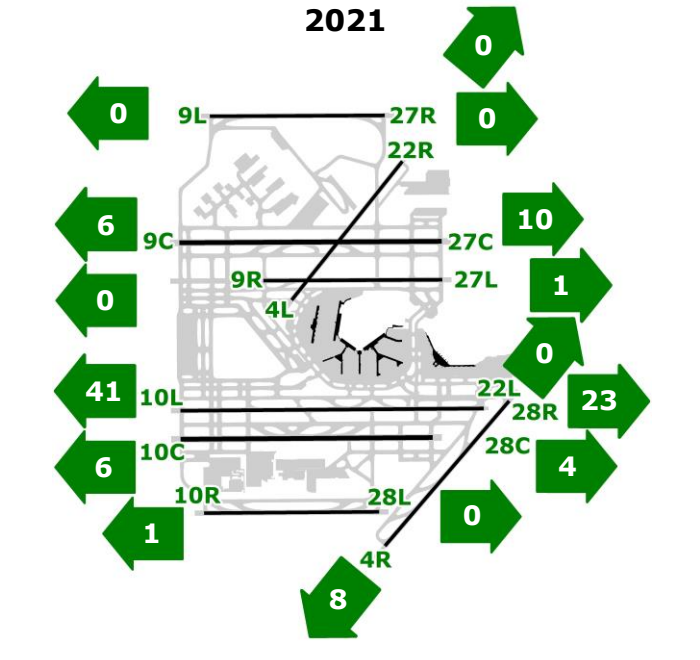
Departures (10 p.m. to 7 a.m.)



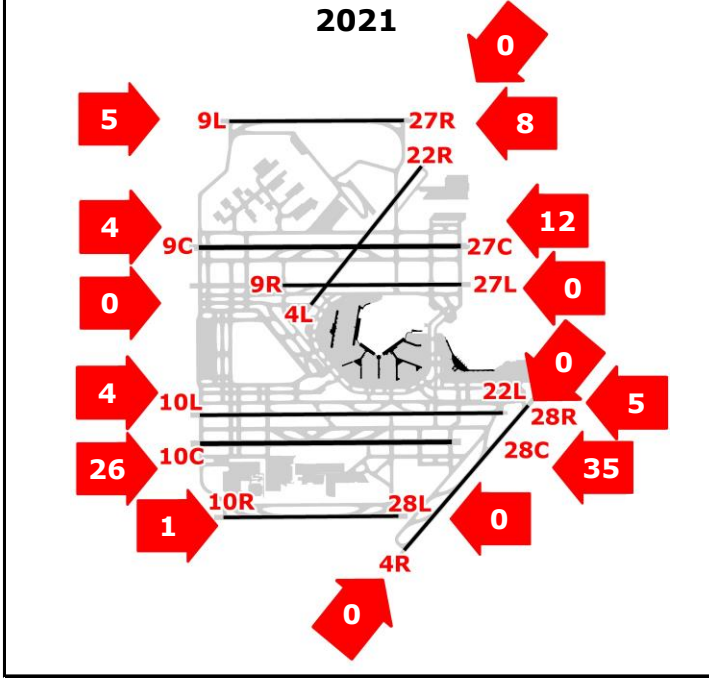
Arrivals (10 p.m. to 7 a.m.)



Percentage Departure Utilization



Percentage Arrival Utilization



Runway 9C-27C was commissioned on November 5, 2020.

Runway 9R-27L extension was commissioned on December 2, 2021.

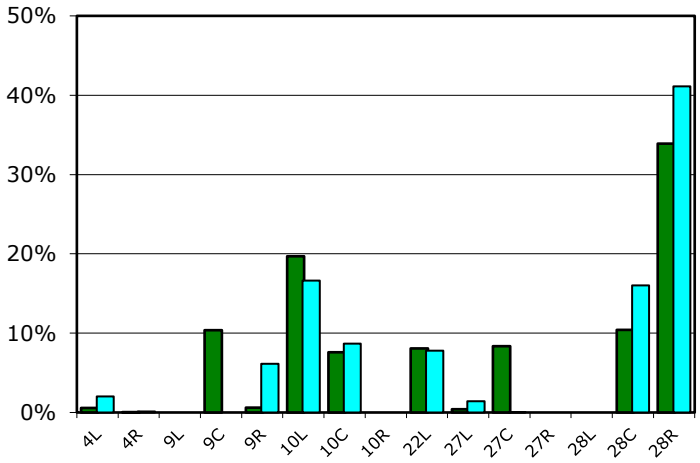
Runway Use Report
Chicago O'Hare International Airport
Period: January 1, 2021 through December 31, 2021
Time of Day: Fly Quiet Mode (FQM)

Average Runway Use (FQM)

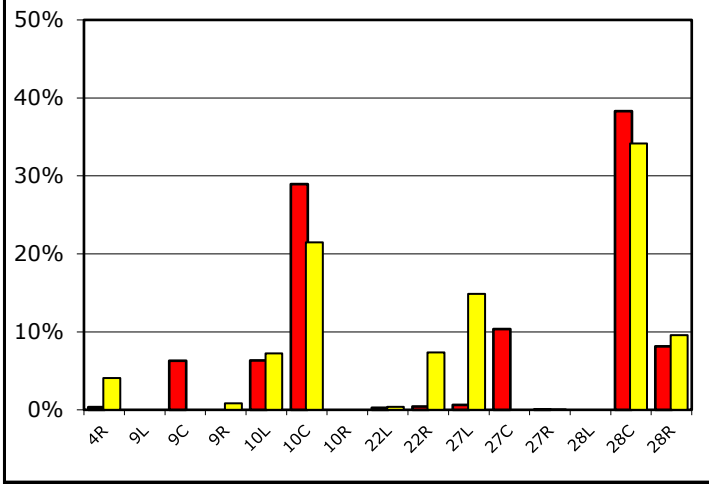
Source: Airport Noise Management System (ANMS)

	Runway Utilization															
	4L	***4R***	***9L***	***9C***	***9R***	***10L***	***10C***	***10R***	***22L***	***22R***	***27L***	***27C***	***27R***	***28L***	***28C***	***28R***
Average Daily Departures																
2021	**0**	**0**	**0**	**0**	**0**	**7**	**3**	**0**	**3**	**n/a**	**0**	**0**	**0**	**0**	**4**	**12**
2020	1	0	0	n/a	2	5	3	0	2	n/a	0	n/a	0	0	5	12
Average Daily Arrivals																
2021	**n/a**	**0**	**0**	**0**	**0**	**4**	**16**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**22**	**5**
2020	n/a	2	0	n/a	0	3	9	0	0	3	6	n/a	0	0	15	4

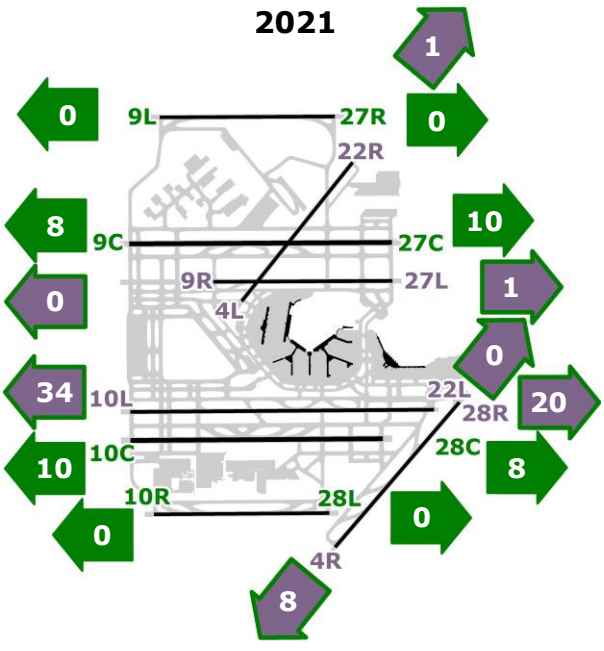
Departures (FQM)



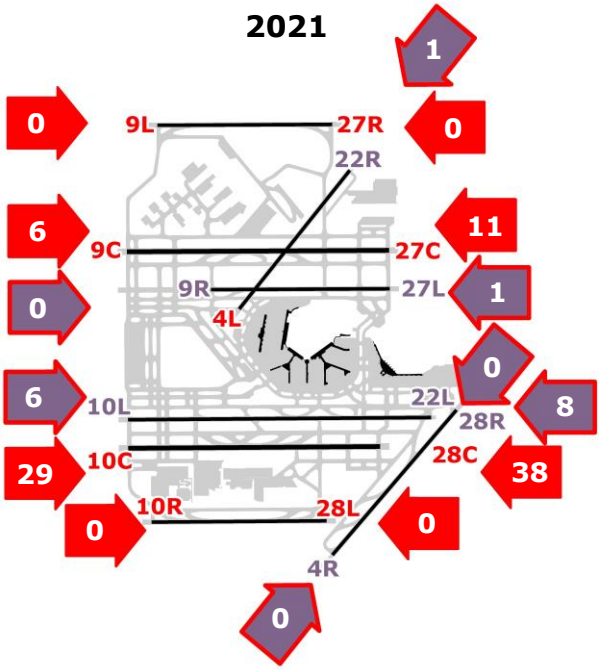
Arrivals (FQM)



Percentage Departure Utilization



Percentage Arrival Utilization



Purple denotes Fly Quiet preferential departure and arrival runways.

Runway 9C-27C was commissioned on November 5, 2020.

Runway 9R-27L extension was commissioned on December 2, 2021.

Nighttime Preferential Flight Track Summary (1/2)
Chicago O'Hare International Airport
Period: January 1, 2021 through December 31, 2021
Time of Day: Fly Quiet Mode (FQM)

Airlines	Type[1]	Arrivals	Departures	Average Departure Deviation (nautical miles)
ABX Air	C	73	216	0.29
Aerologic	C	93	177	0.51
AeroMexico	P	361	384	0.46
AeroUnion	C	7	14	0.21
Air Atlanta Icelandic	C	3	37	0.44
Air Belgium	C	--	1	--
Air Canada	P	3	75	0.28
Air Canada Express/Jazz	P	2	3	0.26
Air China Cargo	C	37	41	0.44
Air France	P	1	5	0.22
Air France Cargo	C	40	140	0.26
Air India	P	46	26	0.26
Air Transport International	C	88	36	0.27
AirBridge Cargo Airlines	C	83	123	0.43
Alaska Airlines	P	543	32	0.58
American Airlines	P	3,677	1,332	0.35
American Eagle/Envoy	P	217	93	0.26
American Eagle/Piedmont	P	14	31	0.19
American Eagle/PSA Airlines	P	2	1	--
ANA Cargo	C	10	--	--
Asiana Cargo	C	144	162	0.31
ASL Airlines Belgium	C	2	2	0.19
Atlas Air	C	244	256	0.34
Boutique Air	P	63	20	1.24
British Airways	P	3	54	0.46
Cargojet Airways	C	--	3	0.18
CargoLogicAir	C	9	5	0.10
Cargolux Airlines	C	148	226	0.43
Cargolux Italia	C	67	76	0.32
Cathay Pacific Airways	P	--	2	0.37
Cathay Pacific Cargo	C	79	181	0.68
China Airlines Cargo	C	291	314	0.32
China Cargo Airlines	C	2	6	0.46
China Southern Airlines	C	142	173	0.36
Copa Airlines	P	153	--	--
Delta Air Lines	P	611	336	0.27
Emirates	P	1	4	0.33
Emirates SkyCargo	C	112	123	0.25
Ethiopian Airlines	P	45	--	--
Ethiopian Cargo	C	4	5	0.52
Etihad Airways	P	--	1	0.81
Etihad Cargo	C	19	51	0.37
European Air Transport	C	--	6	0.09
EVA Air	P	5	303	0.41
EVA Air Cargo	C	53	62	0.47
FedEx	C	1,073	920	0.26
Finnair	P	--	11	0.25
Frontier Airlines	C	1,207	330	0.35
General Aviation	--	180	159	0.41

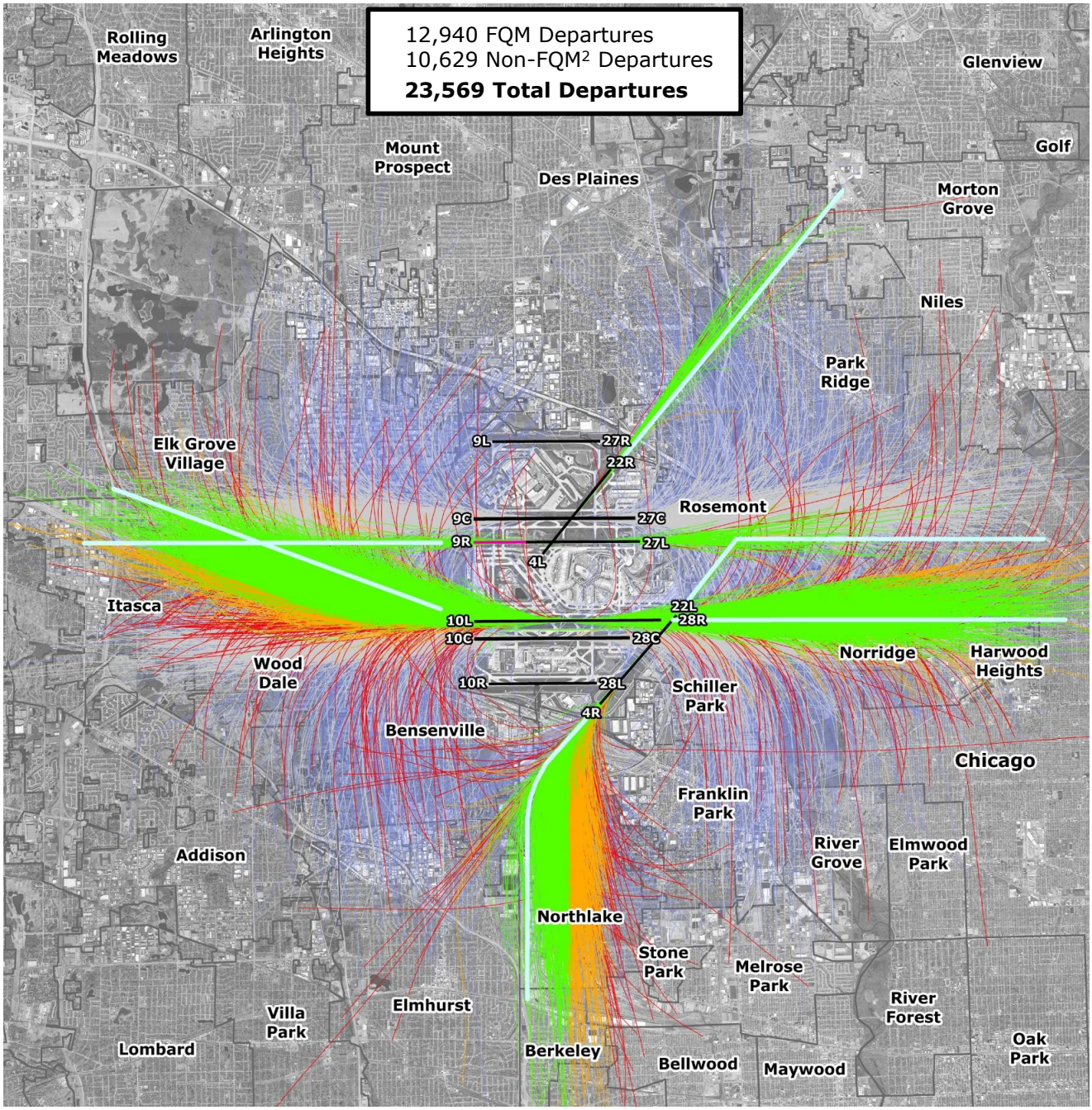
Green represents a deviation of less than 0.5 nautical miles
Orange represents a deviation between 0.5 and 1.0 nautical miles
Red represents a deviation greater than 1.0 nautical mile
Note 1: Passenger Carrier (P) or Dedicated Cargo (C)

Nighttime Preferential Flight Track Summary (2/2)
Chicago O'Hare International Airport
Period: January 1, 2021 through December 31, 2021
Time of Day: Fly Quiet Mode (FQM)

Airlines	Type[1]	Arrivals	Departures	Average Departure Deviation (nautical miles)
Hi Fly Malta	C	4	2	--
Iberia Airlines	P	4	--	--
Japan Airlines	P	39	1	0.55
JetBlue Airways	P	224	145	0.28
Kalitta Air	C	221	182	0.33
Korean Air Lines	P	--	2	--
Korean Air Cargo	C	238	302	0.28
LATAM Cargo Chile	C	--	3	0.28
LATAM Cargo Colombia	C	6	--	--
LOT	P	4	122	0.32
Lufthansa	P	1	23	0.26
Lufthansa Cargo	C	14	100	0.34
Martinair	C	2	30	0.34
National Air Cargo	C	45	52	0.23
Nippon Cargo Airlines	C	94	244	0.33
Polar Air Cargo	C	22	13	0.50
Qantas Freight	C	72	75	0.49
Qatar Airways	P	3	196	0.40
Qatar Airways Cargo	C	163	282	0.37
Republic Airlines	P	549	238	0.29
Royal Jordanian	P	4	4	0.10
Saudi Arabian Airlines	P	1	1	0.00
Scandinavian Airlines	P	--	165	0.22
Silk Way West Airlines	C	94	101	0.49
Sky Lease Cargo	C	46	32	0.14
Sky West Aviation	P	721	328	0.31
SmartLynx Airlines	C	4	3	0.06
Southern Air	C	236	18	0.43
Southwest Airlines	P	575	148	0.28
Spirit Airlines	P	1,225	622	0.29
Sun Country Airlines	P	9	9	0.18
Suparna Airlines	C	18	43	0.31
Swiss Air Lines	P	--	30	0.35
TAP Air Portugal	P	6	12	0.28
Titan Airways	C	2	15	0.37
Turkish Airlines	P	--	71	0.39
Turkish Cargo	C	158	174	0.45
United Airlines	P	3,955	822	0.29
United Express/Air Wisconsin	P	264	131	0.29
United Express/CommutAir	P	--	1	0.24
United Express/Gojet	P	177	53	0.44
United Express/Mesa	P	11	3	--
UPS	C	719	412	0.21
Virgin Atlantic	P	--	59	0.21
VivaAerobus	P	227	388	0.48
Volaris	P	556	667	0.46
Volga-Dnepr Airlines	C	3	2	0.38
Western Global Airlines	C	65	56	0.18
Overall		**20,738**	**12,940**	**0.34**

Green represents a deviation of less than 0.5 nautical miles
Orange represents a deviation between 0.5 and 1.0 nautical miles
Red represents a deviation greater than 1.0 nautical mile
Note 1: Passenger Carrier (P) or Dedicated Cargo (C)

Nighttime Departure Track Report
Chicago O'Hare International Airport
Period: January 1, 2021 through December 31, 2021
Time of Day: 10:00 p.m. to 7:00 a.m.



Preferential Flight Track | Existing Runways | Future Runways

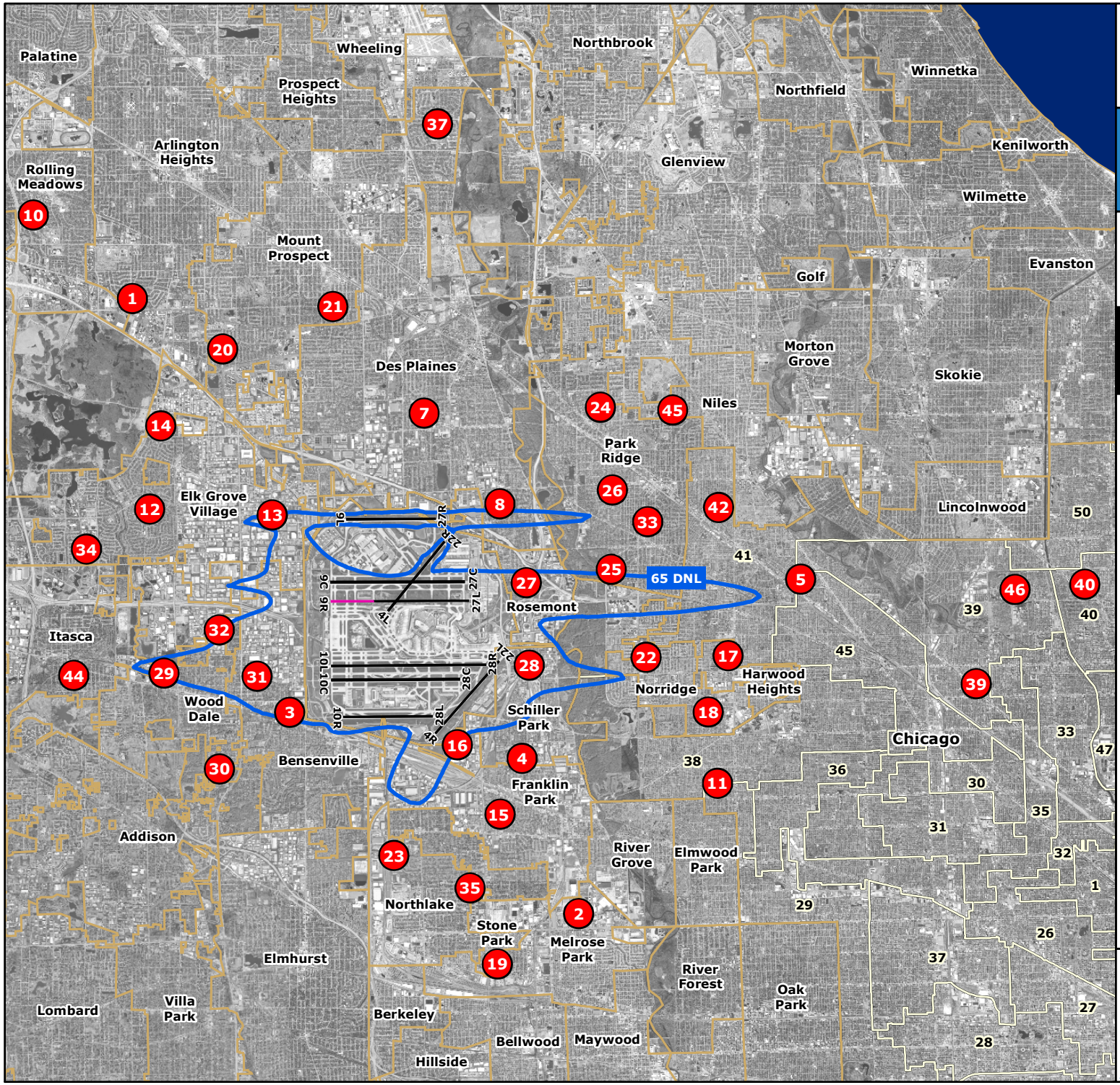
Runway Departures (in %) versus Deviation (in nautical miles)																
Deviation (# tracks)	**4L**	**4R**	**9C**	**9L**	**9R**	**10C**	**10L**	**10R**	**22L**	**22R**	**27C**	**27L**	**27R**	**28C**	**28L**	**28R**
< 0.5 (6,747)	**93%**	**66%**	n/a[1]	n/a[1]	**89%**	n/a[1]	**90%**	n/a[1]	**48%**	n/a[1]	n/a[1]	**94%**	n/a[1]	n/a[1]	n/a[1]	**86%**
0.5 < 1.0 (1,054)	**4%**	**17%**			**5%**		**5%**		**45%**			**4%**				**10%**
>1.0 (392)	**3%**	**17%**			**6%**		**5%**		**7%**			**2%**				**4%**

n/a = not applicable

Note 1: Runways 9C, 9L, 10C, 10R, 22R, 27C, 27R, 28C, and 28L are shown in white and do not have preferential flight tracks.

Note 2: Non-FQM departures are shown in purple.

Flight tracks shown until 3,000' Mean Sea Level (MSL).



CDA
CHICAGO DEPARTMENT OF AVIATION

Chicago O'Hare International Airport

City of Chicago
Lori E. Lightfoot, Mayor
Jamie L. Rhee, Commissioner of Aviation

Permanent Noise Monitor Locations

Legend

- Permanent Noise Monitors (40)
- Existing Runways
- Future Runway
- O'Hare Modernization Program Build-Out Noise Contour (65 DNL)
- Chicago Ward Boundaries
- Community Boundaries

Miles
0 2 4
N

Date: December 2, 2021
File: ORD_RMT_Vers2.mxd

Nighttime Aircraft Noise Report
Chicago O'Hare International Airport
Period: January 1, 2021 through December 31, 2021
Time of Day: 10:00 p.m. to 7:00 a.m.
Metric: Aircraft Leq

Site #	Community	Last 10 Years Monitored Noise Levels[1]									
		2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
1	Arlington Heights	51.0	50.0	45.9	48.3	48.8	48.1	48.4	42.9	42.4	42.8
2	Melrose Park	48.4	44.3	46.5	47.6	48.1	49.2	51.9	42.9	38.7	42.3
3	Bensenville	53.0	51.9	54.6	54.7	54.9	54.7	55.5	56.0	54.0	54.1
4	Schiller Park	50.1	46.7	49.6	43.4	49.3	47.4	47.9	47.3	42.8	44.1
5	Chicago (Norwood Park East)	49.5	48.1	61.4	52.1	52.0	54.7	51.9	50.5	46.0	52.2
7	Des Plaines	48.3	43.1	43.8	41.9	40.6	40.6	42.7	42.8	38.3	39.3
8	Des Plaines	51.3	50.4	50.4	46.8	45.2	50.3	50.6	47.8	46.2	47.1
10	Rolling Meadows	51.5	54.9	47.2	44.5	48.7	46.8	41.3	40.4	38.9	40.6
11	Chicago (Belmont Heights)	53.4	50.2	54.2	44.3	45.4	46.2	46.2	46.4	44.3	43.9
12	Elk Grove Village	55.4	51.1	56.9	51.6	53.3	51.3	51.1	50.1	45.9	48.8
13	Elk Grove Village	64.2	64.3	56.9	59.7	60.3	57.4	55.0	54.3	47.7	53.1
14	Elk Grove Village	52.6	52.7	49.7	52.7	52.4	50.0	46.8	47.3	45.4	45.6
15	Franklin Park	50.1	46.0	43.6	40.8	43.5	40.9	42.2	41.0	38.0	40.2
16	Franklin Park	61.5	54.4	54.6	55.7	54.4	54.8	56.0	56.1	53.4	52.7
17	Harwood Heights	57.2	56.6	69.4	57.2	57.3	57.7	57.2	55.6	54.0	54.0
18	Norridge[2]	--	--	--	--	--	--	52.3	52.4	50.3	49.6
19	Stone Park	50.8	41.5	45.2	41.8	40.6	41.4	43.8	45.2	41.4	42.1
20	Mount Prospect	52.8	52.5	57.8	46.8	46.9	44.7	48.7	46.0	42.7	43.6
21	Mount Prospect	45.1	44.1	37.3	41.0	43.2	39.7	41.5	43.1	38.7	38.9
22	Norridge	58.6	59.2	57.8	56.8	59.0	60.7	59.2	58.7	57.2	57.7
23	Northlake	55.2	55.2	53.3	55.9	54.4	54.8	55.0	55.0	49.1	47.8
24	Park Ridge	45.5	42.8	44.4	42.0	44.2	45.3	45.5	41.0	43.0	43.2
25	Park Ridge	53.2	47.9	51.9	52.4	54.0	54.0	54.7	55.2	48.9	54.4
26	Park Ridge	47.3	45.4	46.8	45.1	45.8	47.3	48.8	49.4	43.7	46.2
27	Rosemont	56.6	54.2	57.8	58.6	61.1	60.6	61.6	61.7	54.4	61.0
28	Schiller Park	68.5	68.9	67.8	66.2	66.1	67.9	68.0	66.9	64.9	65.3
29	Wood Dale	56.8	57.4	58.0	58.6	59.1	59.4	60.1	59.8	57.9	60.7
30	Wood Dale	51.1	46.0	46.2	43.8	46.3	47.0	46.0	46.6	43.1	42.9
31	Bensenville[3]	--	--	--	--	--	--	--	63.9	61.2	63.2
32	Wood Dale	54.2	55.0	58.0	58.9	58.2	59.5	58.1	57.4	54.5	56.1
33	Park Ridge	48.2	47.6	49.9	50.6	49.8	51.7	53.7	53.2	46.3	51.3
34	Elk Grove Village	51.2	50.6	50.9	50.4	52.6	50.7	50.1	50.1	48.6	50.6
35	Unincorporated Cook	50.9	49.4	47.7	48.8	47.8	47.7	47.5	47.6	43.4	42.1
37	Mount Prospect	49.8	47.8	46.4	37.2	39.0	37.1	36.7	40.4	36.7	36.0
39	Chicago (Albany Park)[4]	--	--	--	--	--	--	--	--	--	--
40	Chicago (Arcadia Terrace)[5]	--	--	--	--	--	--	--	--	--	--
42	Chicago (Edison Park)[6]	--	--	--	--	46.6	48.1	50.9	48.2	43.9	47.5
44	Itasca[7]	--	--	--	--	--	--	58.4	57.7	54.9	55.7
45	Niles[8]	--	--	--	--	--	--	--	--	--	42.3
46	Chicago (Hollywood Park)[9]	--	--	--	--	--	--	--	--	--	--

Note 1: Leq (Equivalent Sound Level): The average sound energy level during a stated period of time.
Note 2: Site 18 was commissioned on January 12, 2018.
Note 3: Site 31 was commissioned on August 3, 2018.
Note 4: Site 39 was commissioned on December 10, 2021.
Note 5: Site 40 was commissioned on December 7, 2021.
Note 6: Site 42 was commissioned on June 27, 2015.
Note 7: Site 44 was commissioned on January 12, 2018.
Note 8: Site 45 was commissioned on May 21, 2021.
Note 9: Site 46 was commissioned on December 7, 2021.

Nighttime Noise Complaint Report
Chicago O'Hare International Airport
Period: January 1, 2021 through December 31, 2021
Time of Day: 10:00 p.m. to 7:00 a.m.

Community[1]	Households 1Q 21	2Q 21	3Q 21	4Q 21	Total Complaints for the Year 2021
Addison	1	2	2	1	12
Algonquin	--	--	--	--	--
Arlington Heights	7	8	8	11	497
Barrington	--	--	--	--	--
Barrington Hills	--	--	--	--	--
Bartlett	2	5	8	4	4,908
Batavia	--	1	1	--	2
Bensenville	2	5	6	2	1,310
Berkeley	--	--	--	--	--
Berwyn	--	--	--	--	--
Bloomingdale	3	4	9	2	249
Buffalo Grove	--	1	--	--	1
Burlington	--	--	--	--	--
Carol Stream	1	--	--	--	5
Carpentersville	1	1	1	1	80
Chicago	78	181	205	157	21,938
Ward 38	10	11	11	10	760
Ward 39	10	34	39	24	6,614
Ward 40	6	11	9	9	83
Ward 41	27	92	101	80	10,228
Ward 45	8	16	20	11	872
Ward Other	17	17	25	23	3,381
Deerfield	--	--	--	--	--
Des Plaines	8	9	8	11	472
Downers Grove	--	--	--	--	--
Elburn	1	--	--	--	1
Elgin	3	4	2	2	432
Elk Grove Village	12	17	22	12	1,899
Elmhurst	13	10	10	10	650
Elmwood Park	--	--	1	--	1
Evanston	1	1	2	1	456
Franklin Park	2	1	2	1	29
Geneva	--	1	--	--	1
Gilberts	1	1	1	1	613
Glen Ellyn	--	--	--	--	--

Community[1]	Households 1Q 21	2Q 21	3Q 21	4Q 21	Total Complaints for the Year 2021
Glencoe	--	--	--	--	--
Glenview	10	6	11	5	3,028
Gurnee	--	--	--	--	--
Hampshire	1	1	1	1	78
Hanover Park	2	2	3	2	118
Harwood Heights	2	2	1	1	44
Hillside	1	1	1	1	29
Hoffman Estates	1	1	1	1	61
Itasca	7	11	10	11	6,214
La Grange Park	--	1	--	1	2
Libertyville	--	--	--	--	--
Lincolnwood	1	2	3	2	67
Lombard	2	2	2	2	364
Maywood	--	1	--	--	2
Medinah	2	2	--	1	19
Morton Grove	1	--	2	1	9
Mount Prospect	--	1	--	1	2
Mundelein	--	1	1	1	5
Naperville	--	--	--	1	1
Niles	3	4	8	7	3,256
Norridge	11	8	18	6	3,296
Northbrook	--	3	2	3	101
Northlake	--	--	2	--	4
Oak Park	--	--	--	1	2
Palatine	2	3	3	3	22
Park Ridge	43	94	95	79	8,636
Pingree Grove	--	--	--	1	1
Prospect Heights	--	--	1	--	2
River Grove	--	--	--	--	--
Riverside	--	--	--	--	--
Rolling Meadows	--	--	--	1	4
Roselle	2	--	8	7	166
Rosemont	13	22	16	6	230
Schaumburg	--	4	6	3	110
Schiller Park	10	7	9	15	325

Community[1]	Households 1Q 21	2Q 21	3Q 21	4Q 21	Total Complaints for the Year 2021
Skokie	1	1	1	3	68
Sleepy Hollow	--	--	--	--	--
South Barrington	--	--	--	--	--
South Elgin	1	1	1	1	129
St. Charles	2	5	5	4	105
Unincorp. Cook	--	--	--	--	--
Villa Park	--	--	--	--	--
Wayne	1	1	1	1	18
West Chicago	--	1	1	3	9
West Dundee	--	--	--	--	--
Westchester	--	--	1	--	1
Western Springs	1	1	1	1	107
Westmont	--	--	--	1	1
Wheaton	1	2	--	--	4
Wilmette	1	--	--	--	3
Winfield	2	1	2	1	333
Wood Dale	15	25	20	8	1,922
Total	**275**	**469**	**525**	**403**	**62,454**

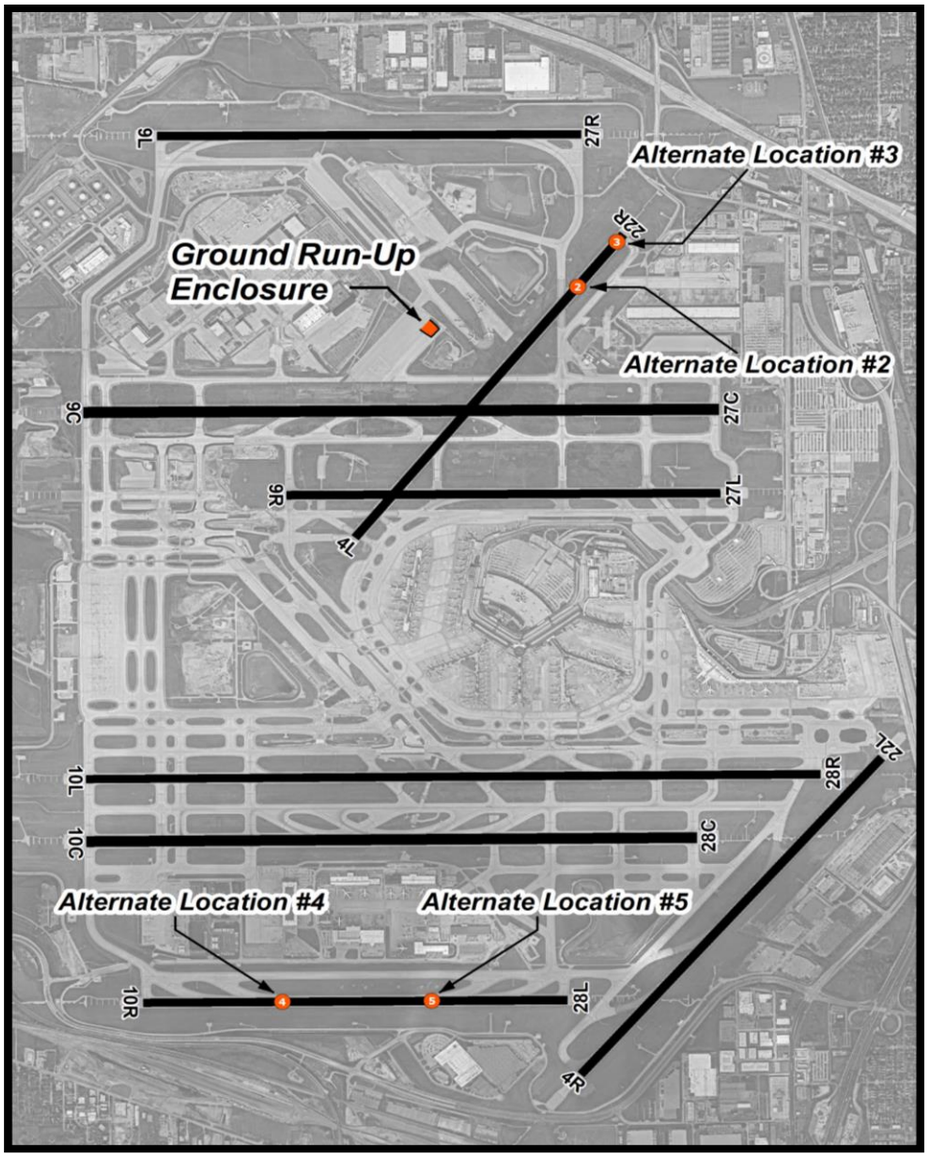
METHOD OF COMPLAINT	Total	% of Total
Website	60,911	97.5%
App	1,075	1.7%
Telephone	468	0.8%
Total	62,454	100%

NATURE OF COMPLAINT	Total	% of Total
Aircraft Noise	46,853	75.0%
Low Flying	5,370	8.6%
Vibration	2,043	3.3%
Frequency	8,157	13.1%
Other	31	0.0%
Total	62,454	100%

Note 1: Complaints made within the State of Illinois from households with verifiable addresses.

Airline Ground Run-Up Report
Chicago O'Hare International Airport
Period: January 1, 2021 through December 31, 2021
Time of Day: 24 Hours

	Run-ups Total	Run-ups in GRE	Run-ups Other	Percentage Use of GRE
All Airlines	**935**	**869**	**66**	**93%**
American Airlines	248	224	24	90%
American Eagle	293	292	1	100%
UNITED	93	64	29	69%
UNITED EXPRESS	242	242	0	100%
Other	59	47	12	80%



Alternate locations are approved by FAA Air Traffic on an as needed basis.

Aircraft Ground Run-Up Report
Chicago O'Hare International Airport
Period: January 1, 2021 through December 31, 2021
Time of Day: 24 Hours

Aircraft	Run-ups Total	Run-ups in GRE	Percentage Use of GRE
A220	2	2	**100%**
A319	21	19	**90%**
A320	37	33	**89%**
A321	14	11	**79%**
B737	233	218	**94%**
B747	3	0	**0%**
B757	18	10	**56%**
B767	3	2	**67%**
B777	16	6	**38%**
B787	18	5	**28%**
CRJ200/700/900	254	253	**99%**
E140/145	165	165	**100%**
E170/175	139	138	**99%**
MD10/11	10	5	**50%**
Other	2	2	**100%**
TOTAL	**935**	**869**	**93%**

Chicago Department of Aviation
O'Hare Noise Hotline: 1-800-435-9569
www.flychicago.com/oharenoise