

An aerial photograph of an airport and its surrounding neighborhood. The airport features a long runway, taxiways, and several hangars. Residential houses and trees are visible around the airport. The title text is overlaid on the top half of the image.

Annual Noise and Operations Report 2024

Prepared by:
Korey Barnes
Environmental & Noise Analyst

Introduction:

DeKalb-Peachtree Airport (PDK) is located in a highly noise-sensitive area as it is surrounded by residential communities. Aircraft noise is noise pollution generated by an aircraft, and may occur during all phases of flight. For instance, while aircraft are on the ground, taxiing, operating auxiliary power units (APUs), and conducting run-ups may contribute noise pollution to the surrounding areas. While aircraft are in the air, noise pollution can occur underneath and to the sides of departure and arrival paths.

The primary goal of the **PDK Good Neighbor Program** is to serve as a community-based program with aims to reduce aircraft noise levels in the vicinity of the airport. Since its inception, the program has sought to increase awareness of airport operations and develop airport/community partnerships with the surrounding cities of Chamblee, Doraville, Dunwoody, Brookhaven, North Atlanta (including the Buckhead community), and others. The program is a multifaceted one that uses many approaches to convey information in a succinct manner.

The program strives to reduce overall aircraft noise disturbances by soliciting airport-user involvement. Community and airport participation, learning, and cooperation are the keys to the program's success.

This report provides a monthly summary of airport operations, noise disturbances, and impacts to the surrounding neighborhoods to airport users and the surrounding communities.

2024 Aircraft Operations:

	This Year	Last Year	% Change from 2021	5-Year Average
Total Operations	198,889	176,520	12.67%	169,747
Itinerant	127,931	121,459	5.33%	117,389
Local	70,958	55,061	28.87%	52,358
Voluntary Curfew Ops	5,250	4,644	13.05%	4,657
Prior Authorization	3,804	(527) Noise disturbance calls associated with these flights. (198) Voluntary curfew ops were associated with these flights.		

Prior Authorization
(Section 6-93 Code)

Operation

Itinerant

Local

Voluntary Curfew Ops

Aircraft certified by the FAA with a max gross take-off weight greater than 75,000 pounds

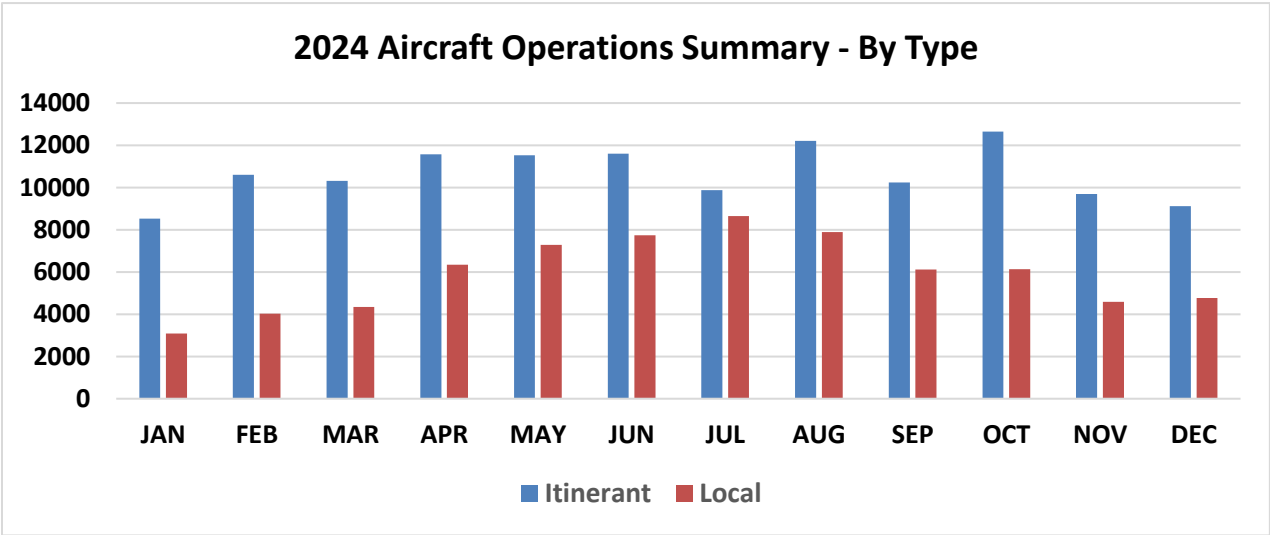
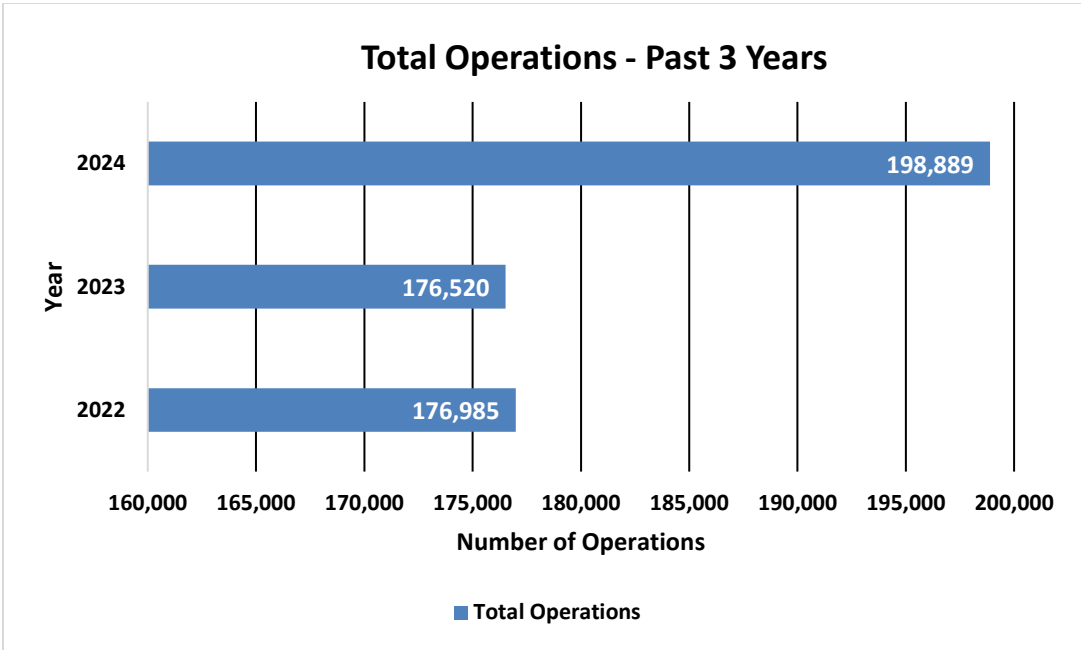
One take-off or landing. Touch-and-go counts as two operations

Non-touch-and-go (regular operations)

Operations within 20 miles of Airport

Operations that occur between the hours of 11:00 p.m. and 6:00 a.m.

2024 Aircraft Operations Summary

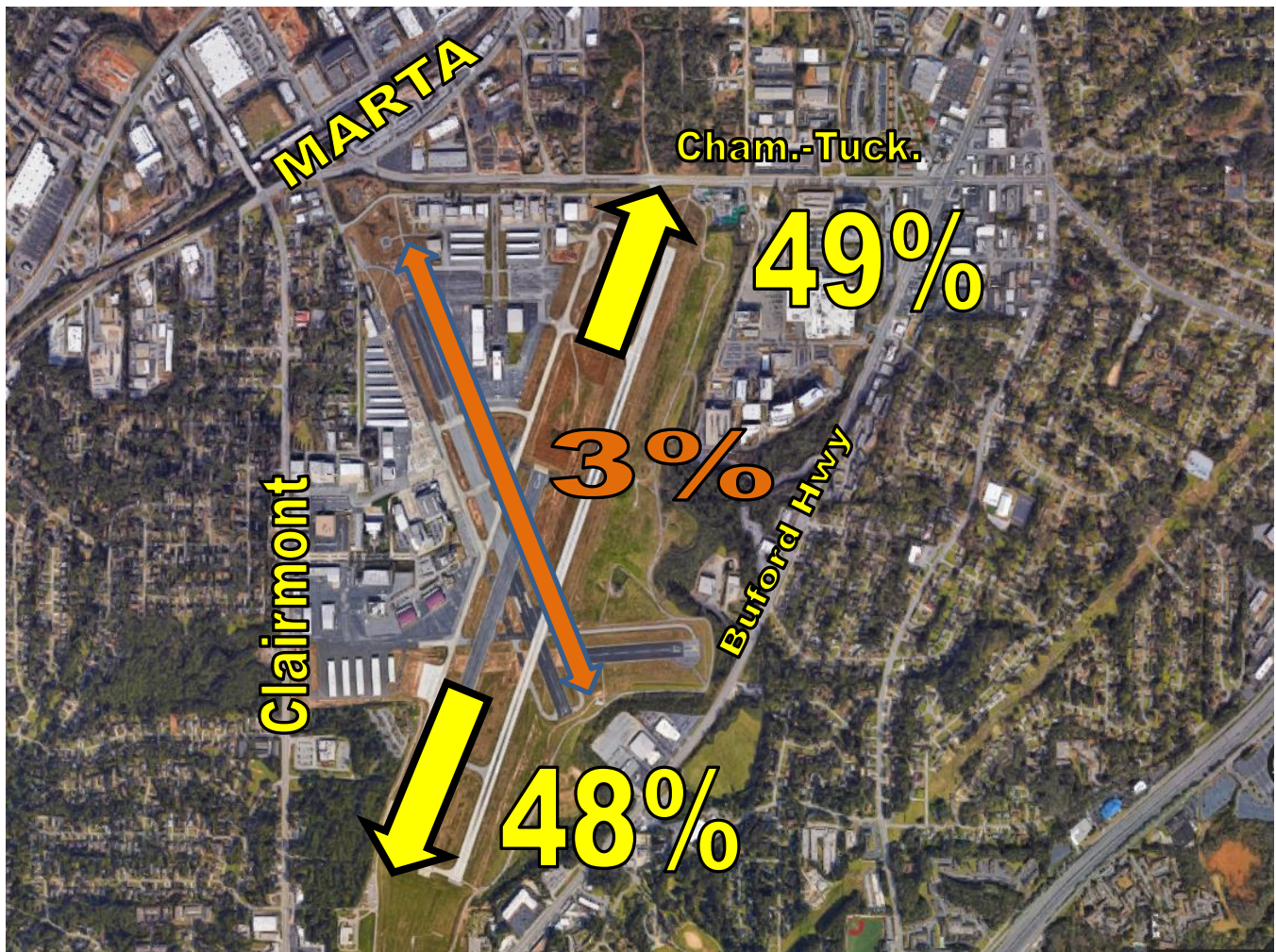


2023 Total Operations	2024 Total Operations	Change from 2023 to 2024
176,520	198,889	12.67%

	2024 Operations by Month			
	Itinerant	Local	Total Tower-Recorded Operations	Voluntary Curfew
JAN	8,528	3,094	11,622	255
FEB	10,603	4,063	14,626	362
MAR	10,321	4,338	14,659	368
APR	11,573	6,338	17,911	431
MAY	12,204	4,985	17,189	493
JUN	11,598	7,738	19,336	561
JUL	18,226	5,467	18,226	469
AUG	12,209	7,886	20,095	552
SEP	10,238	6,114	16,238	518
OCT	12,644	6,139	18,783	557
NOV	9,701	4,580	14,281	345
DEC	9,111	4,772	13,883	339

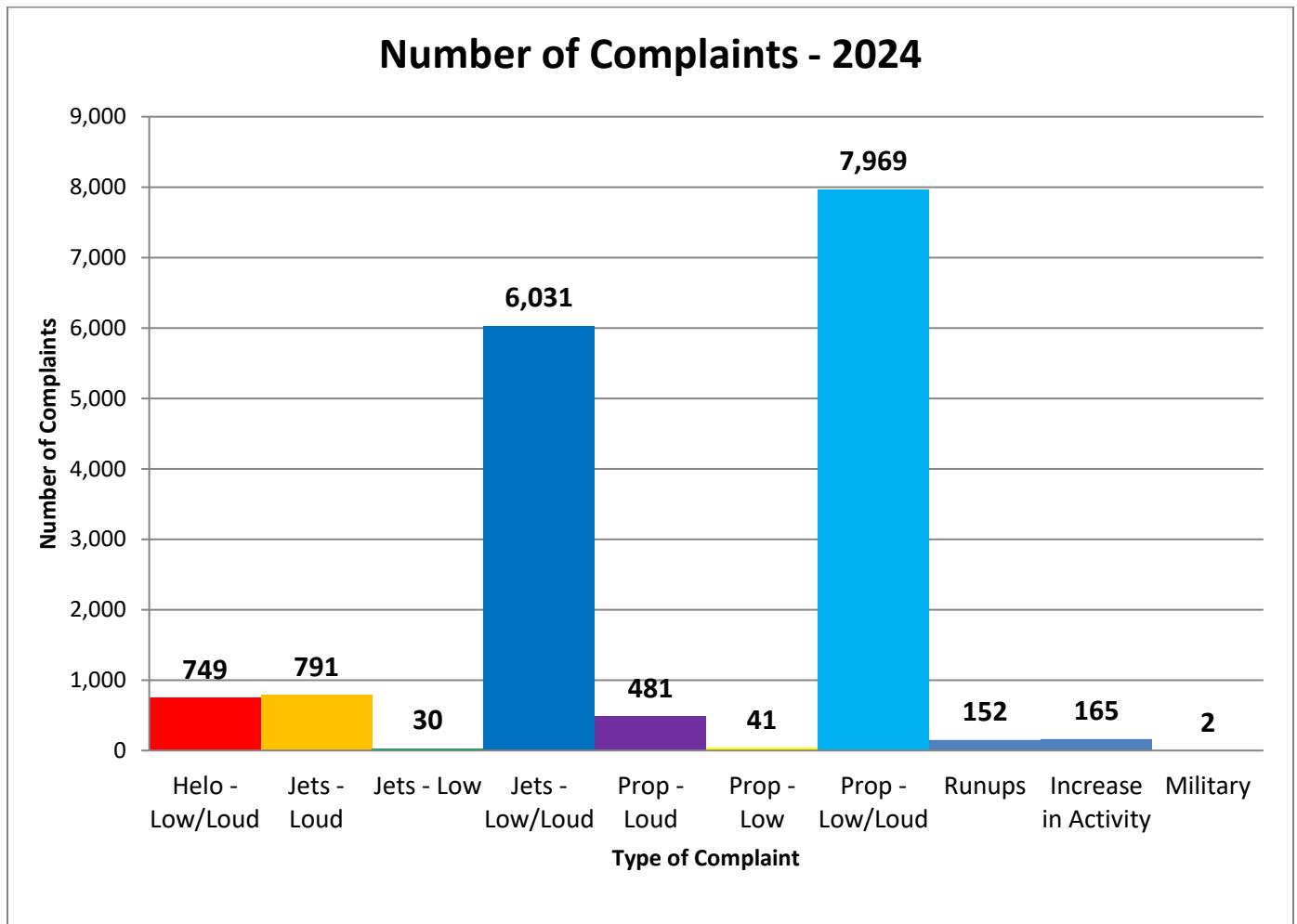
Runway Mode of Operations – 2024

Directional use of runways has a major effect on flight patterns and the areas affected by flight operations. Weather and wind direction generally determines runway selection. When the tower is open, the FAA Air Traffic Control Tower determines the directional use of the runways. When possible, the tower will try to keep operations on a northbound flow (takeoffs and landings to the north) for noise abatement.

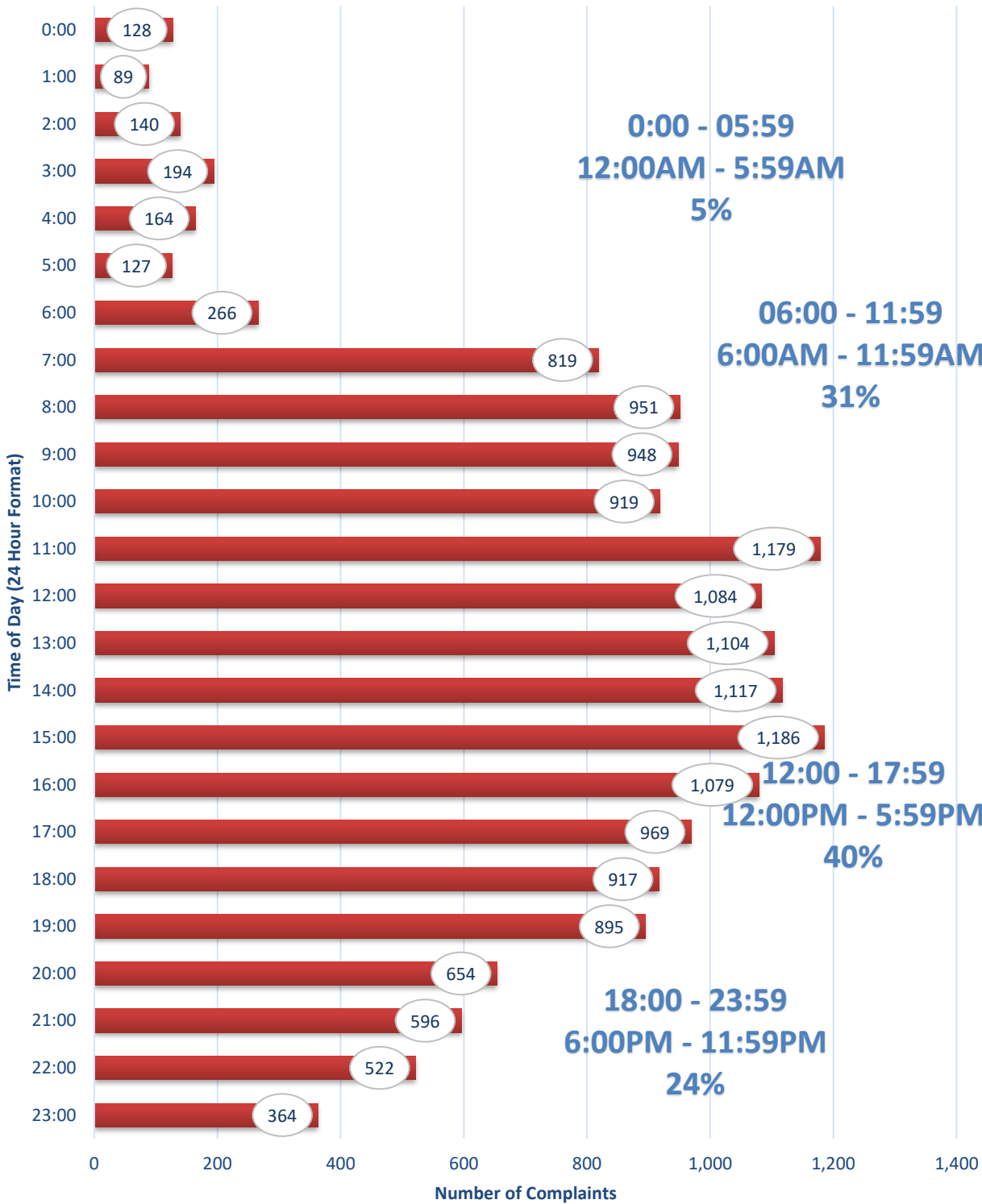


Noise Disturbance Summary

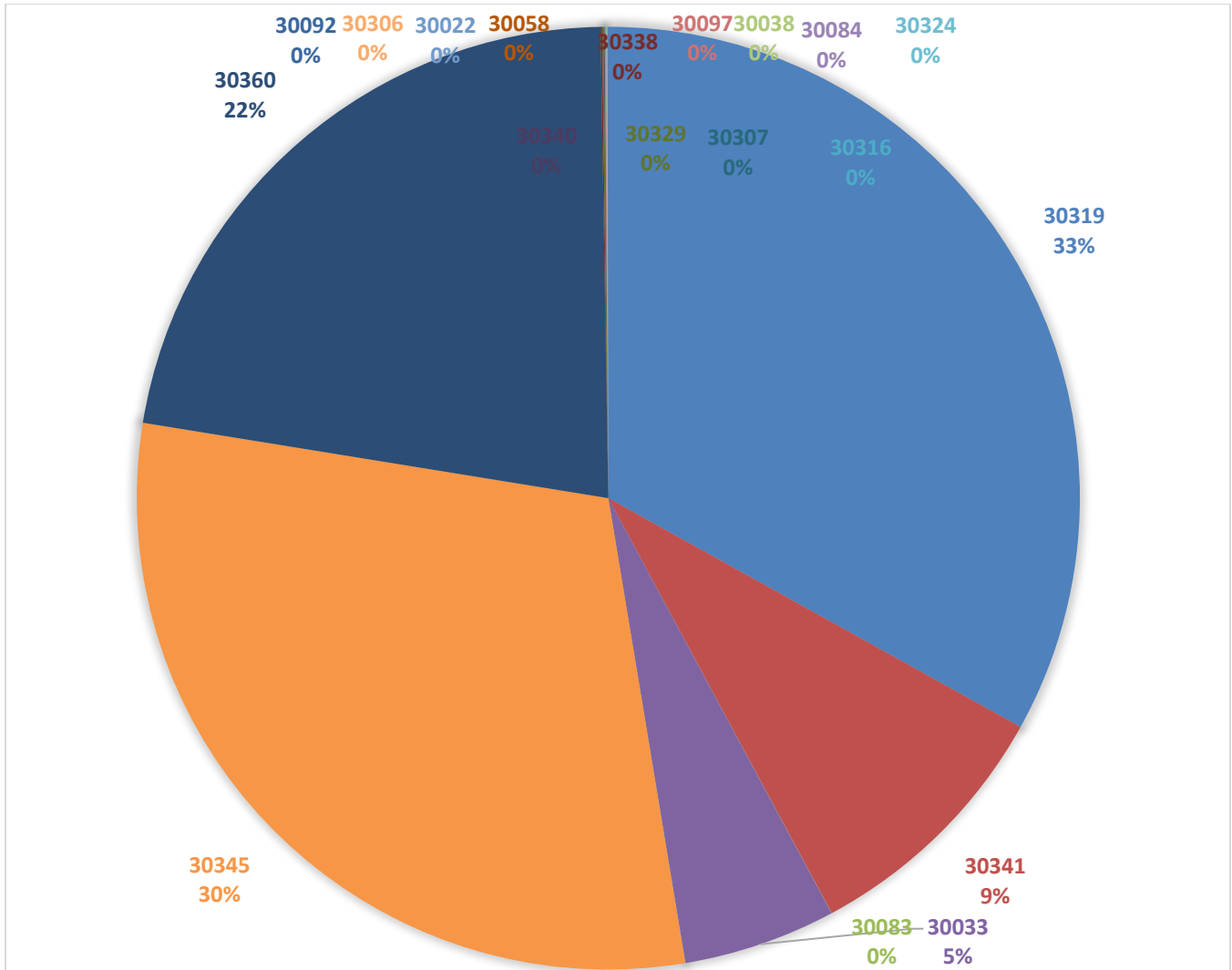
Total complaints for 2024	Monthly Complaint Average 2024	2024 Complaints per Household <i>(minus top two/Households)</i>	2024 Complaints per Household <i>All Inclusive</i>
16,411	1,371	69.5	165



Number of Complaints by Hour - 2024



Complaints by Zip Code



Zip Code Guide		
Zip Code	Community	% of Complaints
30319	Brookhaven	33%
30341	Chamblee - North	9%
30345	Chamblee – South	30%
30360	Dunwoody	22%
30329	North Druid Hills	<0.1%

30338	Dunwoody	<0.1%
30340	Tucker	<0.1%
30033	North Druid Hills	5%
30058	Stonecrest	<0.1%
30083	Stone Mountain	<0.1%
30316	Atlanta	<0.1%
30324	Brookhaven	<0.1%
30097*	Duluth	<0.1%
30307	Atlanta	<0.1%
30022	Druid Hills	<0.1%
30038	Lithonia	<0.1%
30084	Tucker	<0.1%
30306*	Atlanta	<0.1%
30092*	Peachtree Corners	<0.1%

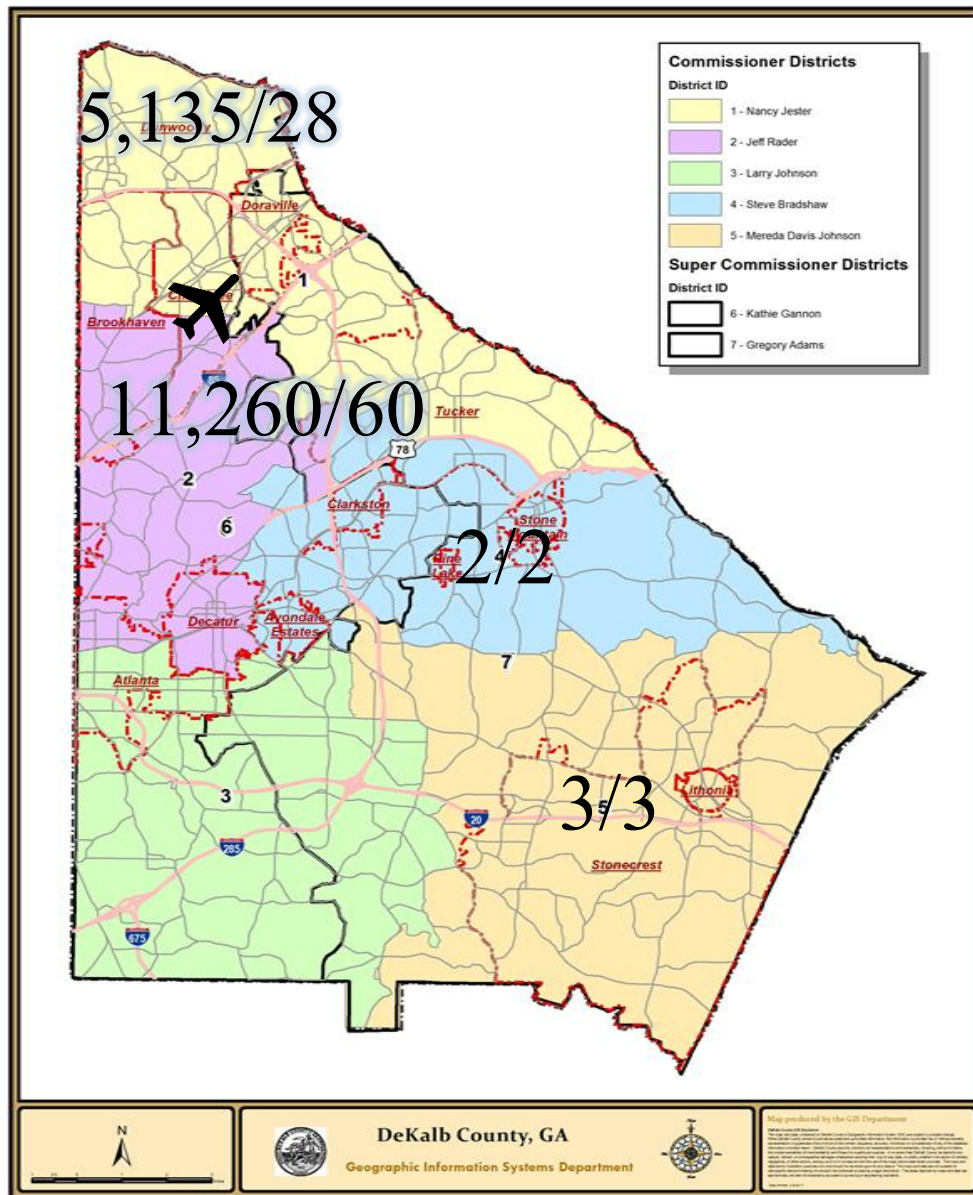
Complaints by Caller

Name	Address	City	Zip Code	Complaints
Cone	2592 Drew Valley Rd NE	Brookhaven	30319	247
Robson	2199 Fisher Trl NE	Atlanta	30345	1
Schneeberg	2707 Ashford Rd, NE	Atlanta	30319	32
Sheppard	2855 Arrow Creek Dr	Atlanta	30341	4
Penn	30339 Skyland Dr NE	Chamblee	30341	5
Harrell	3849 Captain Dr	Atlanta	30341	1
Krieger	1598 Tryon Rd NE	Brookhaven	30319	12
Paskevich	1178 Druid Walk	Decatur	30033	697
Gerondelis	1390 Lavista Dr	Decatur	30033	3
Myers	2860 Talisman Ct NE	Atlanta	30345	3
Johnson	5200 Peachtree Rd	Atlanta	30341	589
Cody	3447 Raymond Dr	Atlanta	30340	3
Allen	1501 Woodshire Dr	Decatur	30033	33
Stevens	2497 Ashford Oaks Dr	Atlanta	30345	1
Burr	3019 Skyland Dr NE	Atlanta	30341	1
Smith	2254 Springwood Dr	Decatur	30033	18
Gokce	1955 Fairway Cir NE	Brookhaven	30319	6
Pittard	2078 Black Fox Dr NE	Atlanta	30345	2
Kime	1608 Woodcrest Walk	Lithonia	30058	1
Pohlmann	1050 Capital Club Cir NE	Brookhaven	30319	1
Schneeberg	2707 Ashford Rd NE	Brookhaven	30319	11
Gray	2652 Cove Cir NE	Brookhaven	30319	4
Weber	3493 Keswick Dr	Atlanta	30341	3
Franck	2654 Winding Ln NE	Brookhaven	30319	5
Kaiser	1634 Wayland Cir NE	Brookhaven	30319	2
Maddox	3093 Janice Cir	Atlanta	30341	1
Hummel	2854 Greenbrook Way NE	Atlanta	30345	69
Claar	1771 Toni Way	Atlanta	30341	6
Schnaubelt	2078 Clairmeade Valley Rd NE	Atlanta	30329	1
Doriscar	3545 Lakeview Crk	Lithonia	30038	1
Wheeler	2450 Ellijay Dr NE	Brookhaven	30319	2
Elwell	1513 Laurel Park Cir NE	Atlanta	30329	1
Smith	2942 Appling Cir	Atlanta	30341	1
Rosa	2105 Pine Forest Dr NE	Atlanta	30345	1
Matthews	600 Webster Dr	Decatur	30033	1
Anon - 1	LaVenture Forrest	Atlanta	30341	810
Tabbara	3602 Ashcroft Bend NE	Brookhaven	30319	12
Gravolet	1797 Bragg St	Atlanta	30341	7
Sanke	4485 Huntington Cir	Atlanta	30338	9
Bowden	2527 Dering Pl NE	Atlanta	30345	7
Taglia	1404 Tugaloo Dr NE	Brookhaven	30319	7

Barnard	2502 Flair Knoll Ct NE	Atlanta	30345	1
Brooks	2743 Redding Rd NE	Brookhaven	30319	11
Bui	2768 Tryon Pl NE	Brookhaven	30319	2
Jeffares	3092 Presidential Pkwy	Atlanta	30340	1
Kendrick	1476 Brianwood Rd	Decatur	30033	3
Zhu	1614 Girvan Ridge Dr	Duluth	30097	2
McWhorter	1380 Nalley Cir	Decatur	30033	2
Malikyar	1826 Rue De Montreal	Tucker	30084	1
Hunnicutt	2132 Meadowcliff Dr NE	Atlanta	30345	3
Tepper	315 Rosalie Ct	Alpharetta	30022	1
Domis	2671 Almshouse Ln NE	Atlanta	30329	3
Jones	410 Longs Peak	Alpharetta	30022	1
Lowndes	2416 Dunwoody Hollow Dr	Dunwoody	30360	3606
Needle	2586 Warwick Cir NE	Atlanta	30345	38
Farinola	2361 Burch Cir NE	Brookhaven	30319	2
Ortiz	1832 Georgiana Dr NE	Atlanta	30329	1
Dykewicz	2486 Susaleen Ct NE	Atlanta	30345	32
Townsend	2230 Tanglewood Rd	Decatur	30033	80
Spatafora	5009 Lakeside Dr	Atlanta	30360	34
Prince	1986 Ellwyn Dr	Atlanta	30341	8
Simelaro	2831 Shady Valley Dr NE	Atlanta	30324	1
Havard	5405 Hoylake Ct	Duluth	30097	2
Welsch	2019 Clairmont Ter NE	Atlanta	30345	4726
Barnett	2851 Cravey Dr NE	Atlanta	30345	12
Coulombe	3912 Longview Dr	Atlanta	30341	1
Crosson	3635 Ashford Creek Dr NE	Brookhaven	30319	1
Morris	1918 Variations Dr NE	Atlanta	30329	1
Bland	2406 Greenglade Rd NE	Atlanta	30345	1
Baker	1788 Buckhead Valley Ln NE	Atlanta	30324	3
Baker	1789 Buckhead Valley Ln NE	Atlanta	30324	1
Novas	2780 Pioneer Ct	Atlanta	30341	1
Kempter	2431 Skyland Way NE	Brookhaven	30319	4940
Roberts	1124 Virginia Ave NE	Atlanta	30306	1
Yates	1895 9th St	Atlanta	30341	17
Kirstein	943 Barton Woods Rd NE	Atlanta	30307	1
Groundwater	1691 Cotswold Dr NE	Brookhaven	30319	51
Mauldin	2607 Drew Valley Rd NE	Brookhaven	30319	1
Bui	5193 Peachtree Blvd	Atlanta	30341	9
Douglas	2427 Coosawattee Dr NE	Brookhaven	30319	11
Dengler	1693 Wayland Cir NE	Brookhaven	30319	66
Fox	2423 Woodacres Rd NE	Atlanta	30345	49
McSwanson	3789 Donaldson Dr	Atlanta	30341	5
Henson	1391 Altamont Dr	Decatur	30033	22
Sallach	1784 Huntington Chase	Atlanta	30341	1
Scher	2711 N Thompson Rd NE	Brookhaven	30319	1
Berger	1998 Jordan Ter NE	Atlanta	30345	2

Hurst	3102 Tree Mountain Pkwy	Stone Mountain	30083	1
Edwards	4201 River Bottom Dr	Peachtree Corners	30092	4
Staples	2745 Ashburn Ln	Atlanta	30341	1
Donovan	1357 Brook Forest Dr NE	Atlanta	30324	1
McKay	3222 Clairwood Ter	Atlanta	30341	4
Lien	1936 Forest Green Dr NE	Atlanta	30329	1
Gill	3091 Colonial Way Apt E3	Atlanta	30341	13
Philips	2442 Wentworth Dr NE	Atlanta	30345	2
Bozza	2735 Briarlake Woods Way NE	Atlanta	30345	1
Feingold	1657 Bridgeport Dr NE	Atlanta	30329	1
Crabtree	1355 Town Country Dr SE	Atlanta	30316	1
Wolf	3338 Turngate Ct	Atlanta	30341	1

Complaints per Commission District



Total Number of Complaints
Total Number of Complainants

16,411/
99

There were 6 complainant(s) outside of DeKalb County with 11 complaint(s) total.

Correlation Chart of Noise Complaints to Operations

The airport correlated **16,177 (98.6%)** out of **16,411** complaints:

- **15,553 or 94.8%** of the noise complaints were found to be **Direct** correlations
- **624 or 3.9 %** were **Indirect** correlations to operations
- **234 or 1.3%** were **Not Correlated**.
- **Direct** = *Linked to a **specific flight operation to/from PDK** over a house/monitor (NOMS or manual correlation).*
- **Indirect** = ***Not linked to a specific flight operation** (take-off thrust, reverse thrust; maintenance run-ups) **OR** flight operation **not originating or terminating at PDK**.*
- **Not correlated** = *There was no noise event and/or aircraft track based on either NOMS correlation or manual research.*

Definitions:

NOMS: Noise and Operations Monitoring System

Op Type: Operation; Approach, Departure, or Overflight

Name: Name of Complainant

Offense Start: Date/Time of offense to complainant

Flight ID: Tail number of aircraft or military call sign

Flight Time: Actual Date/Time of correlated offense

NMS: Noise Monitoring Station

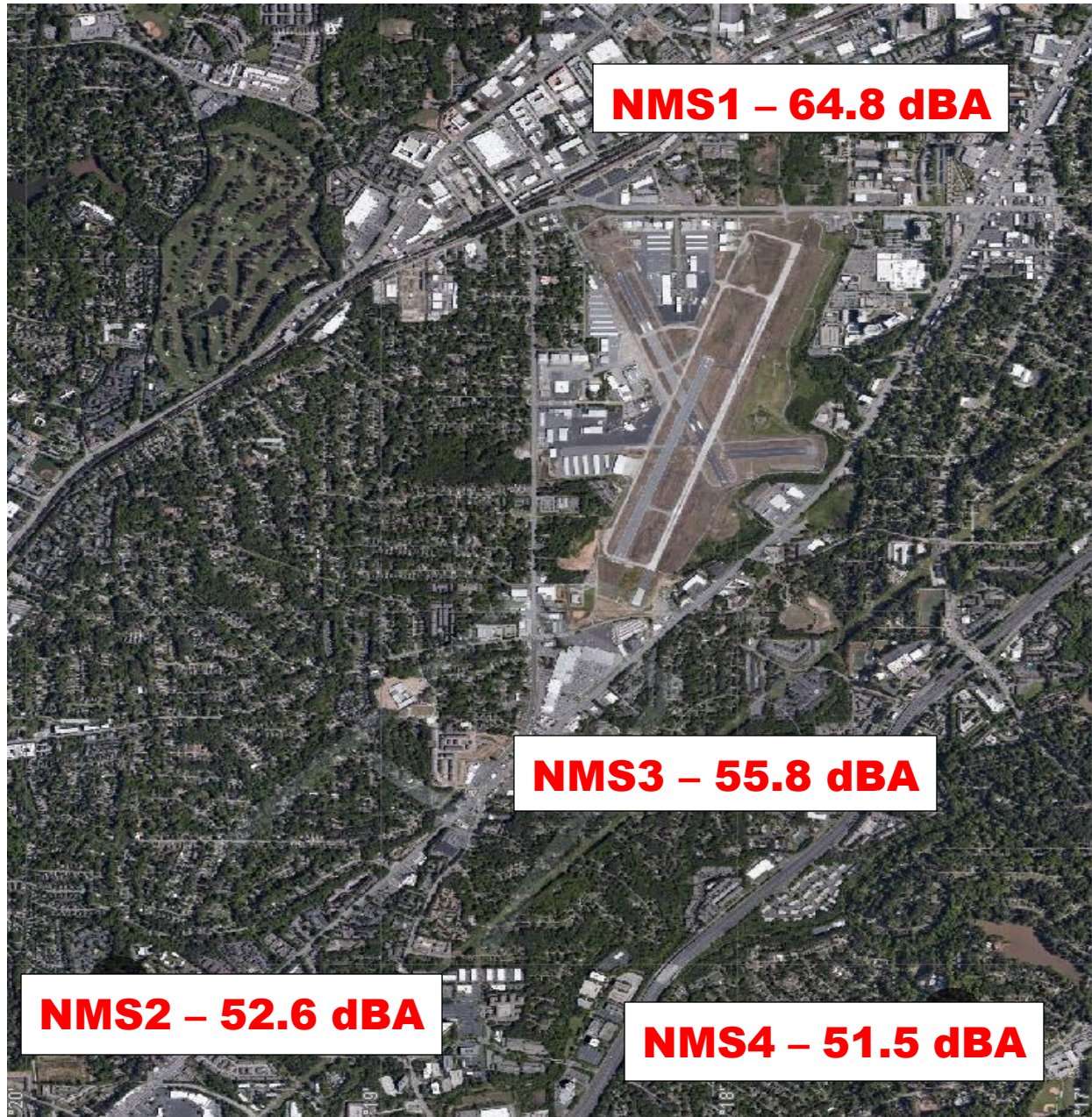
Rwy: Runway

LMAX: Maximum A-weighted sound level for a given event

Please contact: *Korey Barnes, Airport Noise and Environmental Analyst*, for more information regarding the PDK Good Neighbor Program at (770) 936-5440 or kbarnes@dekalbcountyga.gov.

PDK maintains a **hotline** that permits residents to report noise concerns by dialing: **(770) 936-5442** or e-mailing: pdknoise@dekalbcountyga.gov

2024 Noise Levels at Monitors



Noise Terminology

- Decibels (dB) are the unit of measurement on the loudness scale. Decibels that a human can hear are called “A-weighted” or “dBA” on the sound frequency scale.
- The decibel scale is logarithmic, not linear. The smallest detectable change 1 dB; 3 dB for a human is readily detectable; 10 dB seems twice as loud.

- *L_{max} – The maximum A-weighted sound level for a given event – the highest level registered on the scale or meter; is not related to the duration for the event.*
- *DNL – A 24-hour time-averaged sound exposure level. It is the noise metric of choice in aircraft sound level measurement. It is also used to define noise contours of equal exposure. All Federal agencies have adopted DNL (LDNA) as the metric for airport noise analysis. (Day Night Level) (Day Night Level A-weighted)*
- *Leq – The steady A-weighted sound level over any specified period. It is used to identify the average sound level over a given period of time.*

Voluntary Curfew Operations & Operators Summary/Letter Status

Operations Summary:

The airport identified a total of **5,283 (99.8%)** of the **5,291** operations during the voluntary curfew period (11PM-6AM) during **2024**. Of the **5,283** identified operations, **2,554 (48.3%)** were classified as **medical transport (e.g., Med-Evac) or other critical flights**.

- Out of the *identified* operations, **658 one-time** operations were conducted during this period.
- Out of the *identified* operations, **4,624 multi-time** operations were conducted during this period, (i.e., sum of all aircraft operations in which an aircraft flew more than once during the voluntary curfew).

Operators Identified / Multi-Use:

1,275 operators were identified using the airport during the voluntary curfew period (does not include unknown aircraft).

617 operators were identified using the airport during the voluntary curfew period for 2 or more times during the month.

96 multi-use operators were identified as Med-Evac and/or emergency flights.

Complaints received from operations conducted during the voluntary curfew period:

16,411 complaints were received during **2024**.

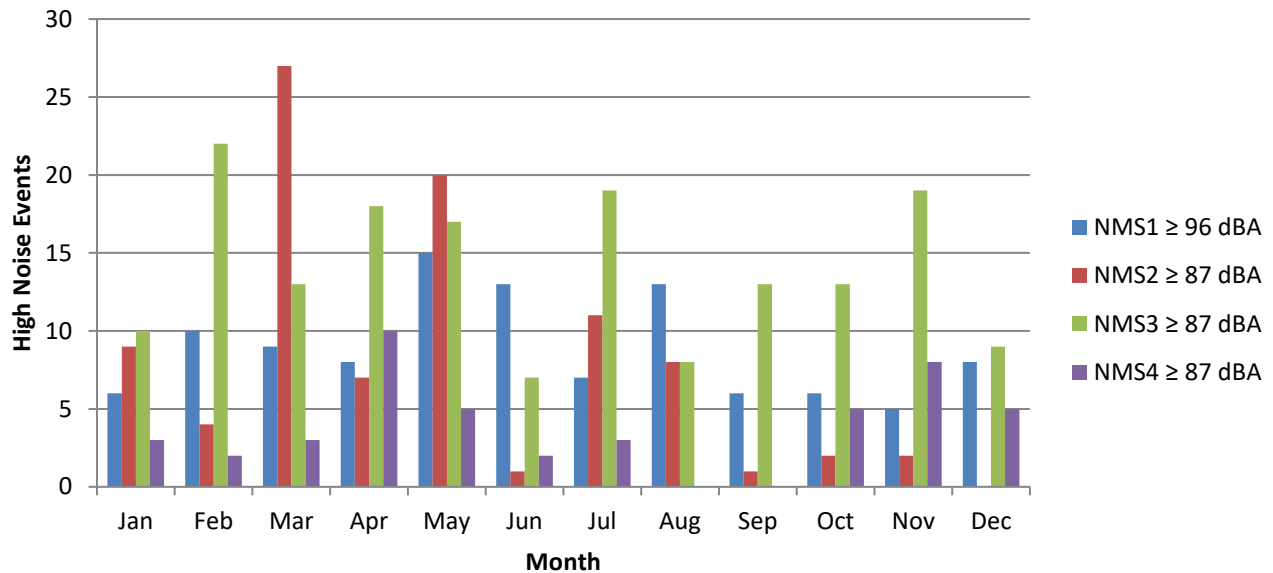
1,206 (7.3%) complaints were received for operations conducted during the voluntary curfew period (**including** those complaints that were found to be non-correlated or indirect).

A total of **2,729** advisory letters were sent to aircraft operators flying during the voluntary curfew period in **2024** who were not identified as Med-Evac and/or other emergency flights.

High Noise Event Threshold

The high noise event threshold was developed to work with pilots in methods and techniques that could reduce aircraft noise levels in and around PDK and its residential areas. Noise Monitoring Station (NMS) 1 is located in a commercial district and is set at **96 dBA L_{max}** or greater. All other monitors, NMS2, 3, & 4 are located in residential areas and are set at **87 dBA L_{max}** or greater. A Total of **288** noise events occurs in 2024; with this **282** advisory letters were sent out for aircraft identified as Exceeding PDK's high noise event threshold.

High Noise Events 2024



Comments/Concerns?

Please visit www.pdkairport.org for airport information. You may also contact the airport about noise concerns at pdknoise@dekalbcountyga.gov or call the noise hotline at (770) 936-5442.