



Teterboro Aircraft Noise Abatement Advisory Committee

Full Year 2023 Meeting

January 24, 2024



TANAAC Meeting Agenda

January 24, 2024

Welcome/Introduction	Paul Griffo - Borough of Rutherford / TANAAC Co-Chair Scott Marsh - Port Authority of NY & NJ
TANAAC Overview	Gabriel Andino – Teterboro Airport/Avports
Operations Update	Scott Marsh - Port Authority of NY & NJ
Old Business: <ul style="list-style-type: none"> ▪ Letter of Request to FAA for proposed noise abatement measures ▪ 14 CFR Part 150 NCP Update 	
Noise Office Statistical Report (2023): <ul style="list-style-type: none"> ▪ Aircraft Activity ▪ Aircraft Noise Violations ▪ Runway Utilization ▪ Runway 19 Offset Approach Utilization ▪ Measured Noise Levels ▪ Noise Complaints 	Gabriel Andino - Manager, Noise Abatement Office Teterboro Airport/Avports Michael Fiscus - Assistant Manager, Noise Abatement Office Teterboro Airport/Avports
Committee Comments / Questions	
General Discussion / Questions	

TANAAC Overview

- TANAAC was formed as a community group on February 26, 1987. It was established after a series of public meetings in South Bergen County to address noise generated by jet aircraft departing and arriving into Teterboro Airport, especially at night.
- The main purpose of the committee is to establish a meaningful dialogue between the airport community and the residential communities.
- The primary goal was to enhance the quality of life of the residents of local communities while ensuring the efficient operation of the airport.

TANAAC is Comprised of:

- Locally Elected Officials (within a five-mile radius of the airport):
 - Mayors (or a duly appointed alternate), State Assembly & Senate Members, and Members of Congress
- Bergen County Executive and Board of Commissioners Chairperson
- Members of the Aviation Community
- Airport Manager
- FAA Tower Manager
- Fixed Base Operators and Heads of Corporate Flight Departments
- One vote per member. The Airport Manager only votes in the case of a tie.
- TANAAC governing By-Laws are available online at the following address:
 - <https://aircraftnoise.panynj.gov/tanaac-by-laws/>
- The general public may attend as observers of the proceedings.



Noise Abatement Rules

Maximum Noise Levels:

Runway 24:

- 80 dB(A) Between the hours of 2200L and 0700L
- 90 dB(A) Between the hours of 0700L and 2200L

Runway 01, 06, & 19:

- 95 dB(A) All Hours

Helicopter Departure Routes:

- 95 dB(A) All Hours

If a departure from Teterboro Airport exceeds the Maximum Noise Level associated with the runway used for departure, a violation shall be issued to the owner / operator of the aircraft.

First and Second violations shall be kept for two years (from the date of the violation); upon the violations' second anniversary, it will be downgraded or expunged.

A Third Violation within a two-year period results in the permanent banishment of that aircraft from future operation at Teterboro Airport.

TEB Airport Operations Update

Scott Marsh – Manager, Operations and Security



Teterboro Airport Good Neighbor Awards

2022 - Winners

- Limited Brands Inc.
- Stryker Corporation
- Sky, LLC
- Alpha Flying Inc.
- Sky Quest, LLC
- Aircraft Mgmt. Group Inc.
- DRW Aviation, LLC
- SBJ Aviation, LLC
- ROP Aviation Inc.
- Snails Pace Aviation, LLC
- Thomas H. Lee Capital, LLC
- Starr Equipment Corporation
- Gruss & Company
- Phillip Fernandez
- Three Cities Research Inc.

Teterboro Airport Good Neighbor Awards 2022 – Honorable Mention

- Hop-A-Jet Worldwide Jet Charter
- Corporate Air
- Starlink Aviation
- Nicholas Services, LLC
- Thrive Aviation
- BGHN Holdings, LLC
- Weatherstone Air Inc.
- Andersen Tax, LLC
- TRFO, LLC
- GI Aviation
- Blue City Holdings, LLC
- Hertz Corporation
- Harland Clarke Corp.

Teterboro Airport Good Neighbor Awards 2023 - Winners

- Zip Aviation
- Bank of America
- Nicholas Services, LLC
- Corporate Air, LLC
- Limited Brands Inc.
- Starr Equipment Corp.
- Oliver Sterling
- GI Aviation, LLC
- TRFO, LLC
- EWA Holdings, LLC
- Philip Fernandez
- Paradiso Aviazone, LLC
- Gotham Helicopters, LLC
- Jobs Lane Aviation, LLC
- SBJ Aviation, LLC

Teterboro Airport Good Neighbor Awards 2023 – Honorable Mentioned

- **Airsprint Inc.**
- **Tudor Investments Corporation**
- **Pam Jets**

Teterboro Airport



THE PORT AUTHORITY OF NY & NJ



Old Business

- **Letter of Request to FAA**
 - Offset Approach to Runway 06
 - Published approach procedure to Runway 01
 - Increase usage of the RNAV GPS X Approach to Runway 19 during daylight hours on Saturdays and Sundays.
 - Increase aircraft altitude at UNVIL from 2,000' to 3,000' for the RNAV GPS Y and ILS approaches to Runway 19
- **14 CFR Part 150 NCP Update**

TEB NCP Record of Approval (ROA)

January 24, 2024

Noise Compatibility Program (NCP) Timeline

- Final NCP was submitted to FAA on July 15th, 2022
- NCP received FAA's Record of Approval (ROA) on January 10th, 2023
(http://www.panynjpart150.com/TEB_ROA.asp)
- Federal Register Notice was published on January 17th, 2023
(<https://www.federalregister.gov/documents/2023/01/17/2023-00651/approval-of-teterboro-airport-teb-noise-compatibility-program>)
- Email notification sent to Technical Advisory Committee members on January 20, 2023

ROA Summary

- 16 Noise Abatement (NA) measures were submitted in the NCP (7 new measures and 9 existing measures)
- Status of new NA measures
 - NA 1: Implement a Runway 24 Departure Turn to 230 degrees at Night - **Approved**
 - NA 2: Encourage Intersection Departures from Taxiway K on Runway 1 at Night - **Approved**
 - NA 3: Design and Implement a Centralized Aircraft Run-up Pad - **Approved**
 - NA 4: Implement an Offset Approach Procedure to Runway 19 - **Disapproved** (*already in place*)
 - NA 5: Implement an Offset Approach Procedure to Runway 6 - **Disapproved**
 - NA 6: Implement a Published Approach Procedure to Runway 1 and Increase Usage at Night - **Approved**
 - NA 7: Implement a Published Departure Procedure from Runway 19 - **Disapproved**

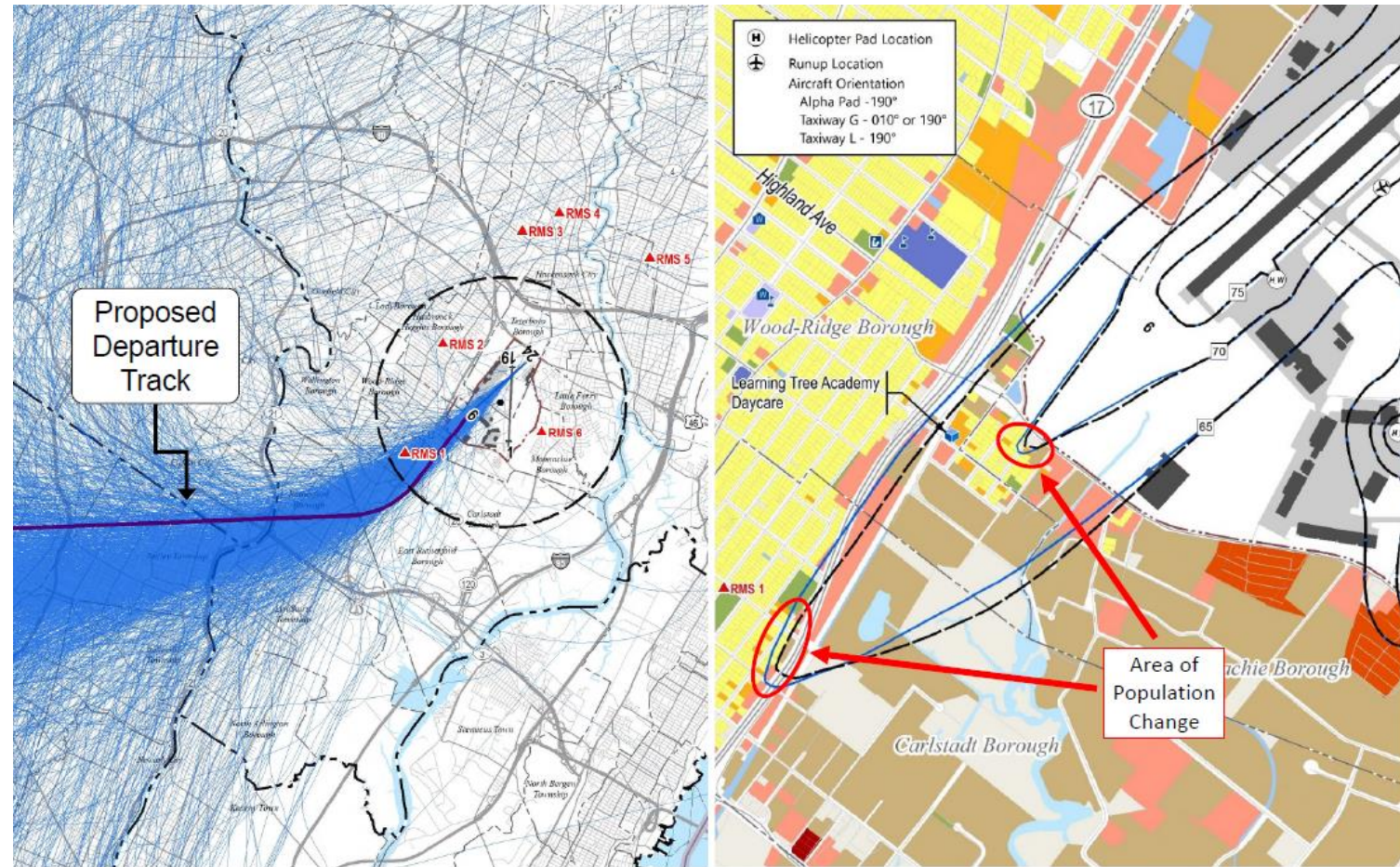
Disapproved NA Measures

- 3 noise abatement measures were disapproved
 - NA 4: Implement an Offset Approach Procedure to Runway 19 (*already in place*)
 - NA 5: Implement an Offset Approach Procedure to Runway 6
 - NA 7: Implement a Published Departure Procedure from Runway 19
- Measures NA 4 and NA 5 were disapproved for the purposes of the Part 150 because the measures did not show noise benefits within the 65 DNL contour.
- Measure NA 7 was disapproved due to the uncertainty that the measure would result in a net reduction of population and non-compatible land uses within the DNL 65 dB contour at differing utilization rates, which does not meet the standard for approval by the FAA
- Disapproved NA measures can be pursued by the Port Authority for implementation outside of Part 150

NA 1: Implement a Runway 24 Departure Turn to 230 degrees at Night

Approved – Entered into FAA’s Gateway Portal (Nov. 2023)

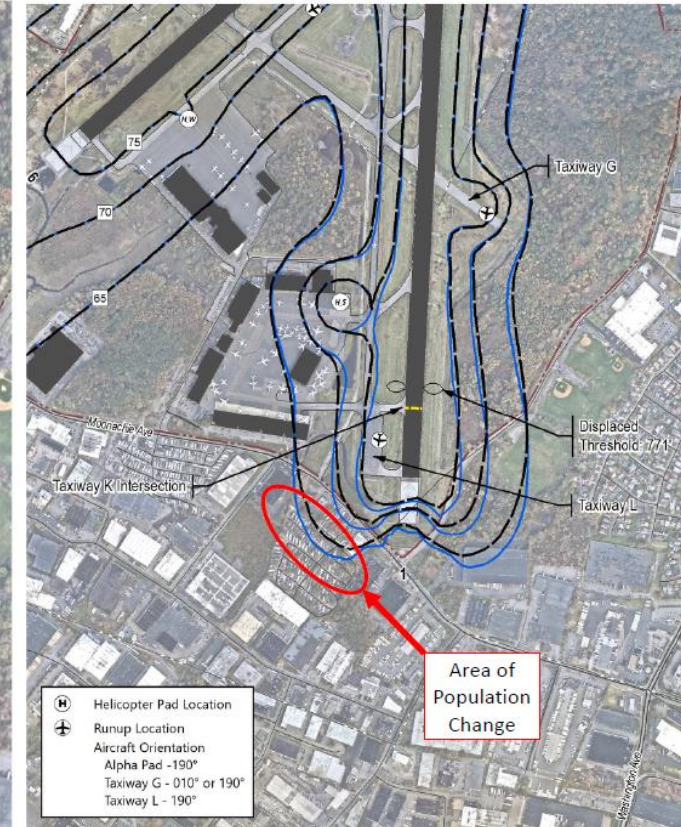
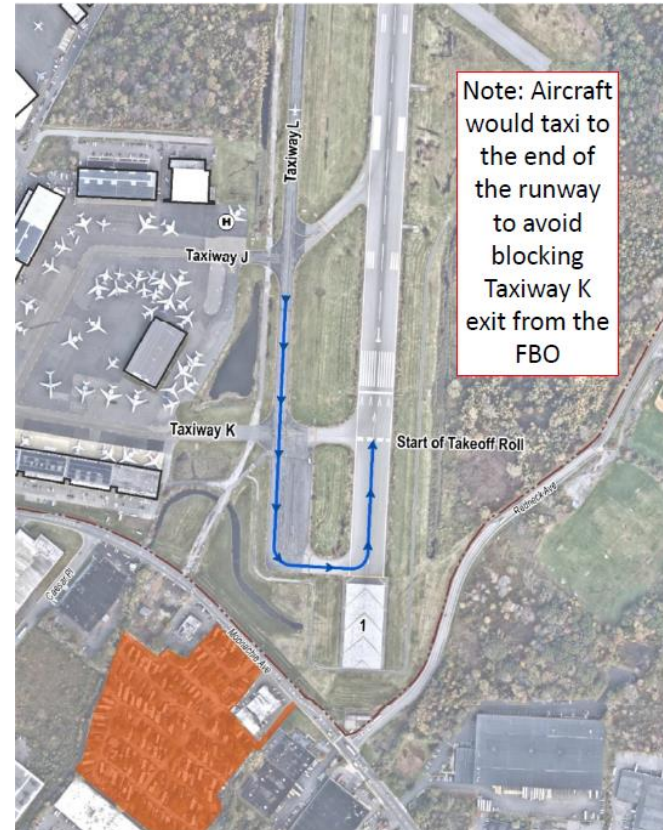
- This measure was designed to change the Runway 24 departure heading at night from 240 degrees to 230 degrees
- With 50 percent usage this measure could reduce the amount of people exposed to 65 DNL or higher by 17, with higher usage further increasing the amount removed from the 65 DNL.



NA 2: Encourage Intersection Departures from Taxiway K on Runway 1 at Night

Approved – Engaging with FAA ATC for Implementation

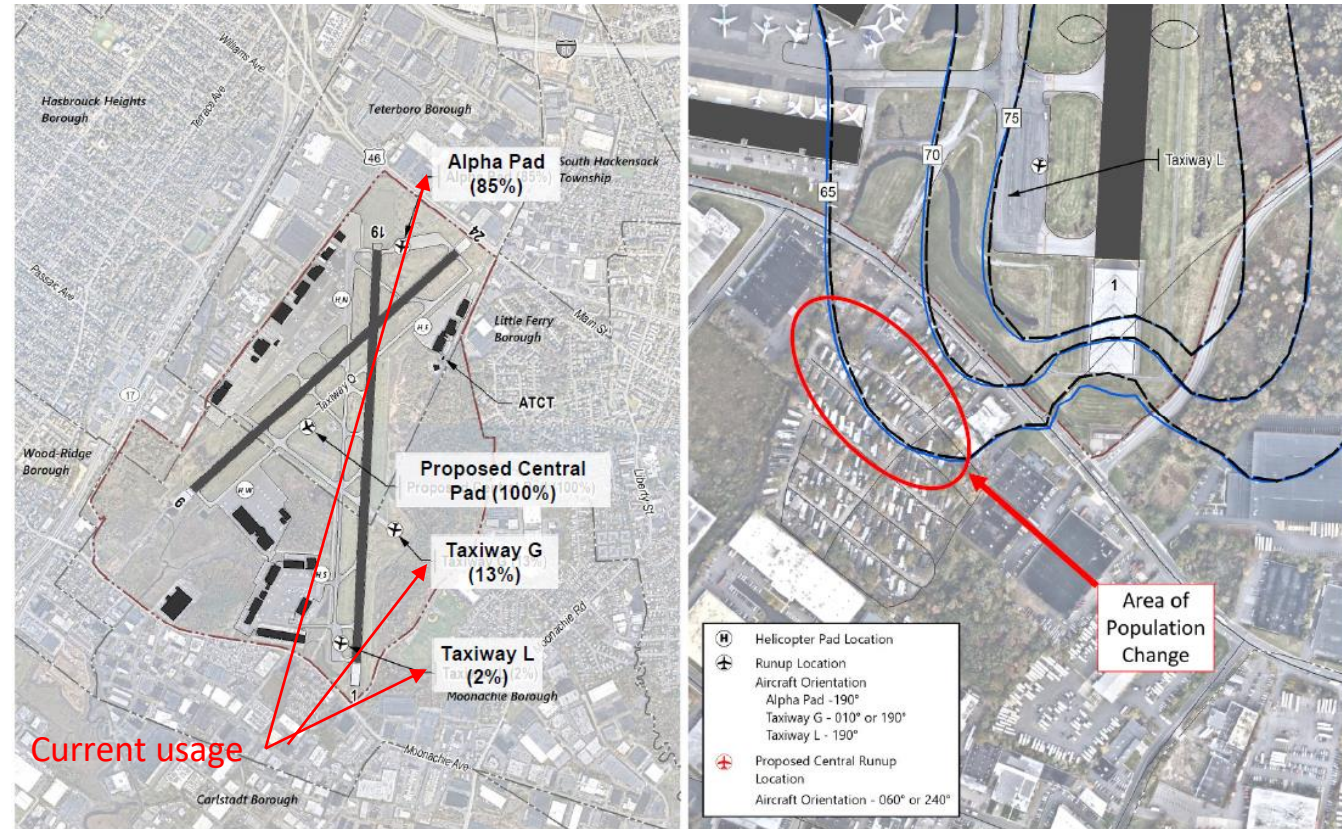
- Noise abatement measure 2 would encourage aircraft to enter or proceed to Taxiway K before starting their takeoff roll
- Departing from Taxiway K rather than the end of the runway would reduce the noise impact on the communities at the end of the runway
- With 80 percent usage at night this measure has the potential to reduce the number of people exposed to 65 DNL or higher by 56.



NA 3: Design and Implement a Centralized Aircraft Run-up Pad

- This measure would relocate all aircraft maintenance run-ups to a centralized aircraft run-up pad adjacent to Taxiway Q
- Implementation of a centralized run-up pad has the potential to reduce the number of people exposed to 65 DNL or higher by 13.

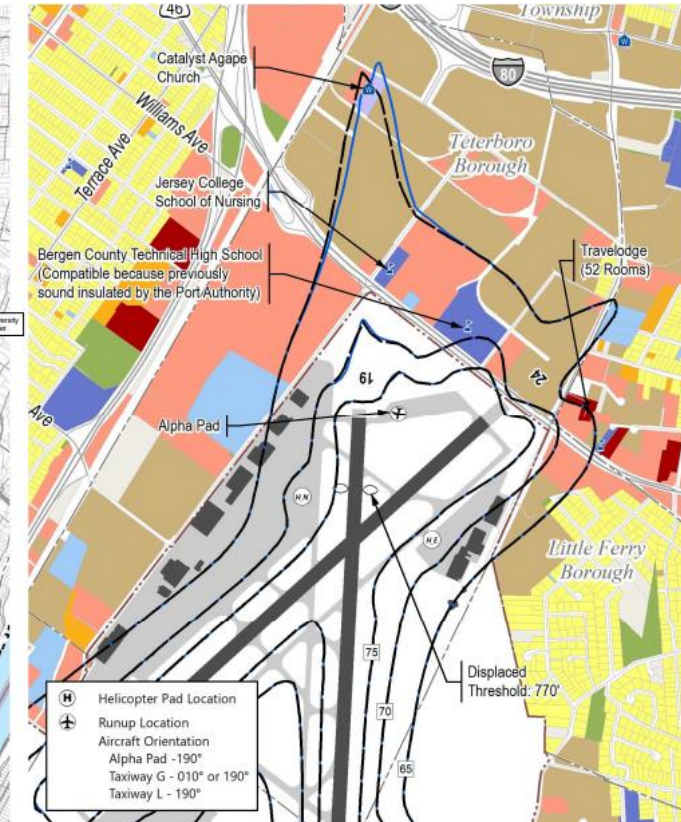
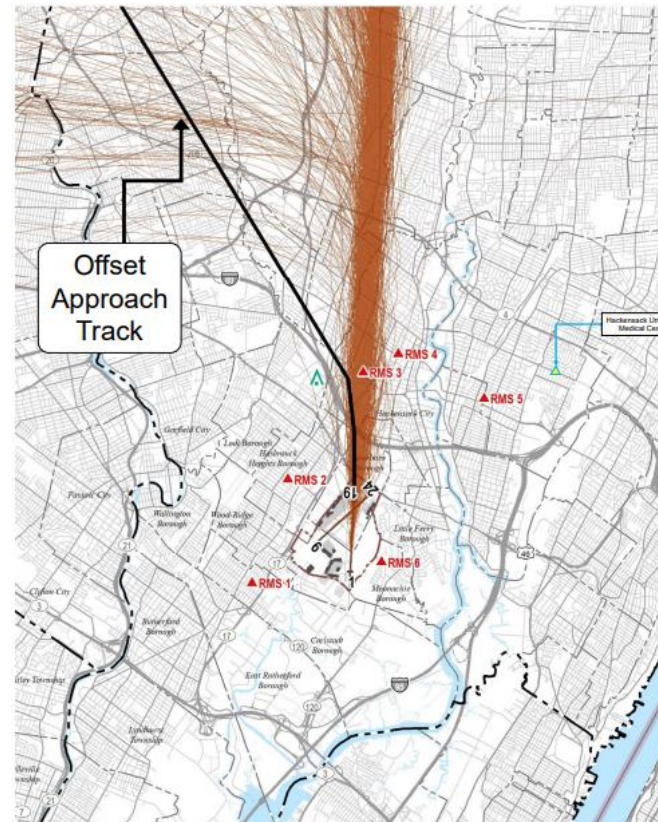
Approved – Implementation at a future date



NA 4: Implement an Offset Approach Procedure to Runway 19

- This measure would implement an offset approach procedure to Runway 19.
- An offset procedure could reduce the amount of aircraft over the Hackensack University Medical Center
- The Measure was disapproved for the purpose of the Part 150 due to the measure not showing any reduction in population within the 65 or greater DNL.
- This measure was implemented with the RNAV (GPS) X Runway 19 arrival procedure publish December 31, 2020 in response to requests from the Port Authority and the Teterboro Aircraft Noise Abatement Advisory Committee

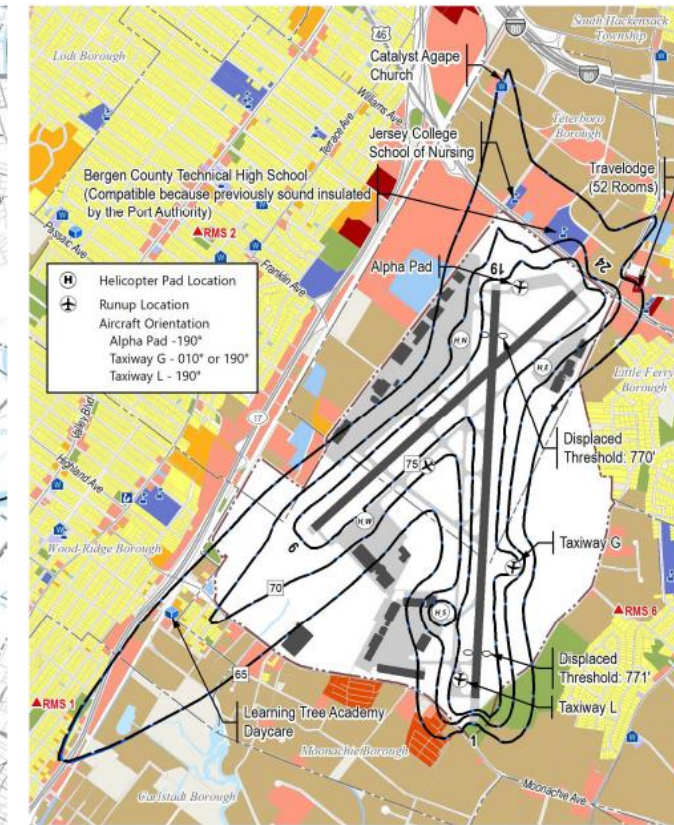
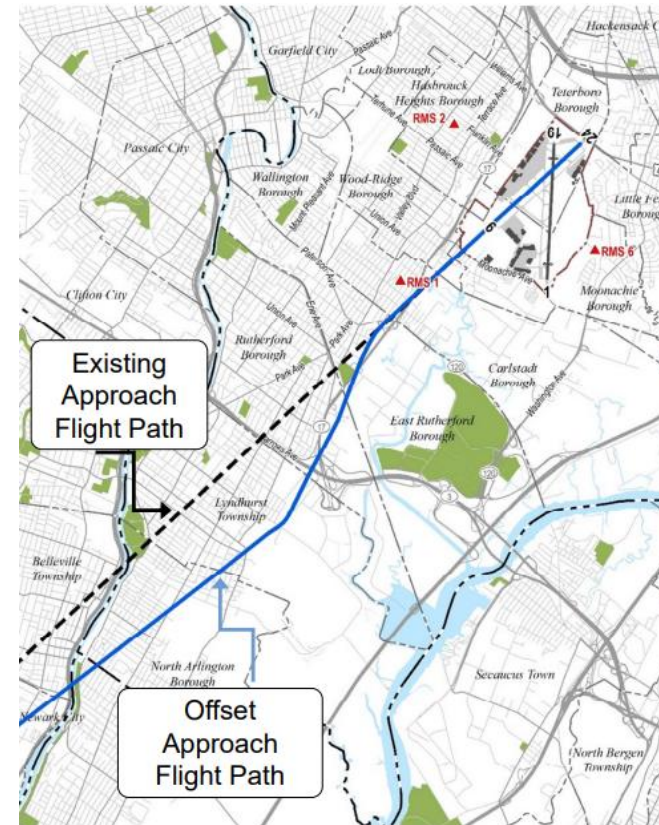
Disapproved – Already Implemented



NA 5: Implement an Offset Approach Procedure to Runway 6

Disapproved – Entered into FAA’s Gateway Portal (Aug. 2023)

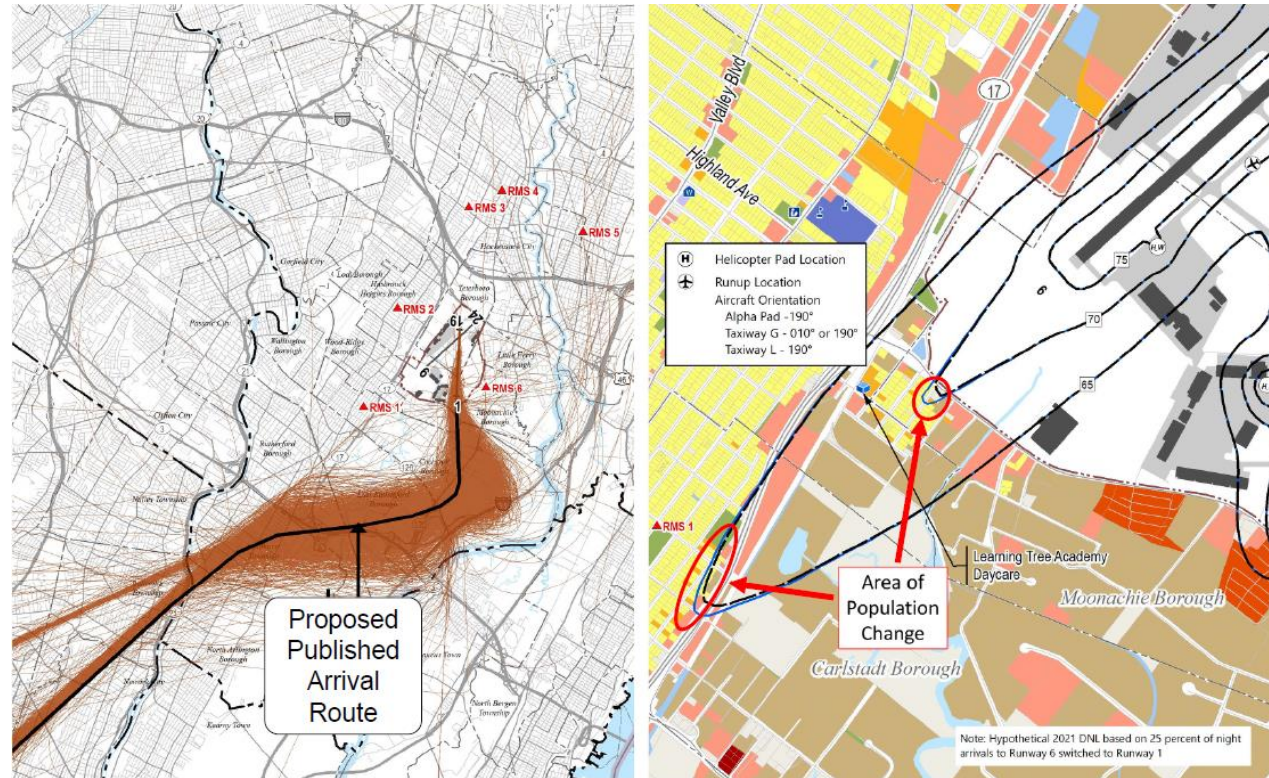
- This measure would implement an offset approach procedure to Runway 6 that was proposed by community members who participated in the TEB NEM Public Workshop
- Aircraft approaching Runway 6 would fly to the east of Lyndhurst and Rutherford over mostly compatible land uses before rejoining the ILS approach and lining up with the runway centerline near the intersection of Routes 17 and 120 in East Rutherford
- The measure was disapproved for the purpose of the Part 150 due to the measure not showing any reduction in population within the 65 or greater DNL.



NA 6: Implement a Published Approach Procedure to Runway 1 and Increase Usage at Night

- This measure would implement a published approach procedure to Runway 1 in order to increase arrival usage at night. Currently, there is no published approach procedure (visual or instrument) to Runway 1. The ATCT instructs pilots using Runway 1 for arrivals to fly the Runway 6 ILS and then circle to Runway 1.
- For noise abatement reasons, the preferred runway for arrivals to the north between 10 p.m. and 7 a.m. local time is Runway 1
- Implementation of a Runway 1 approach procedure and 25 percent usage for nighttime arrivals has the potential to reduce up to 17 people from being exposed to 65 DNL or higher.

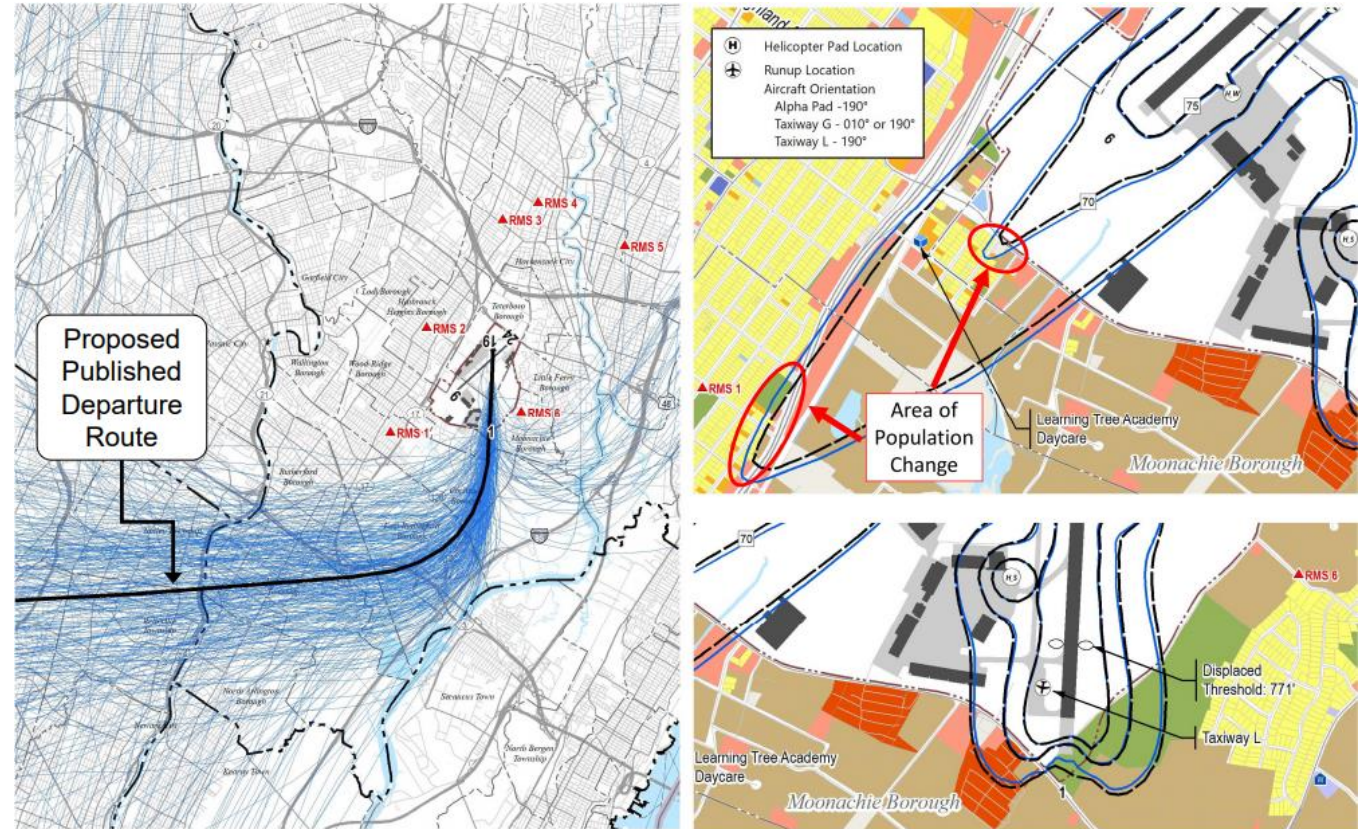
Approved – Publication of procedure estimated for Feb. 2025



NA 7: Implement a Published Departure Procedure from Runway 19

Disapproved – Entered into FAA’s Gateway Portal (Nov. 2023)

- This measure would implement a published departure procedure from Runway 19
- For noise abatement reasons, Runway 19 is preferred for departures to the south between 10 p.m. and 7 a.m. local time
- Measure was disapproved for the purpose of the Part 150 due to uncertainty that the measure would reduce the number of homes within the 65 DNL





Teterboro Aircraft Noise Abatement Advisory Committee
2023 Full Year Statistical Report
Presented by the TEB Noise Abatement Office

Gabriel Andino
Manager
Noise Abatement &
Environmental Compliance

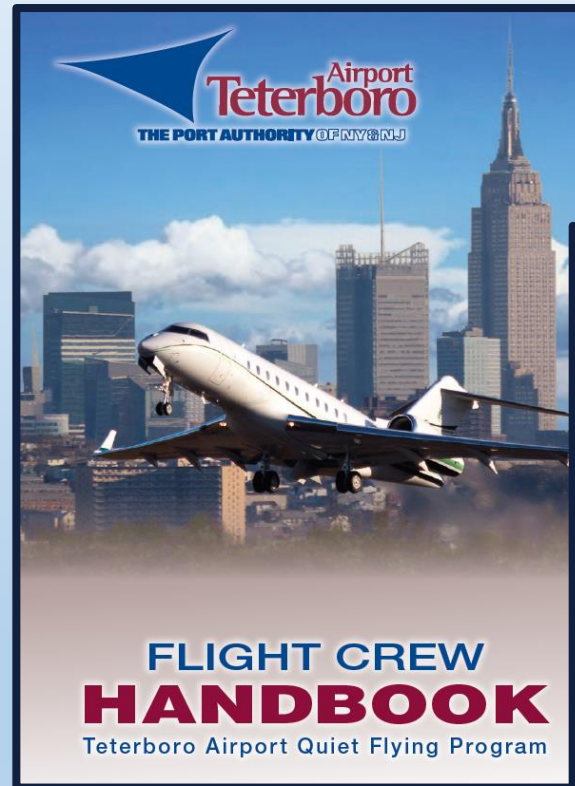
Michael Fiscus
Asst. Manager
Noise Abatement &
Environmental Compliance

Alejandra Cabrera
Specialist
Noise Abatement &
Environmental Compliance

Operator Outreach

Local Efforts

- **Activities Include:**
 - Briefing Pilots at FBOs
 - Publication of Posters
 - Distribution of revised Flight Crew Handbooks booklets and mobile app.
 - Outreach to the Eastern Region Helicopter Council



Operator Outreach

Regional and National Efforts

■ Activities Includes:

- Exhibited at NBAA Schedulers and Dispatcher's and BACE Conventions
 - Allows us direct contact with flight planners, operators, and crew members.
- Attended the NBAA Regional Forum held at Westchester County Airport
- Reaching out to various flight departments of our largest operators
- Established a working relationship with FlightSafety International, one of the leading training facilities of General Aviation flight crews.



Airport Activity Report

Full Year

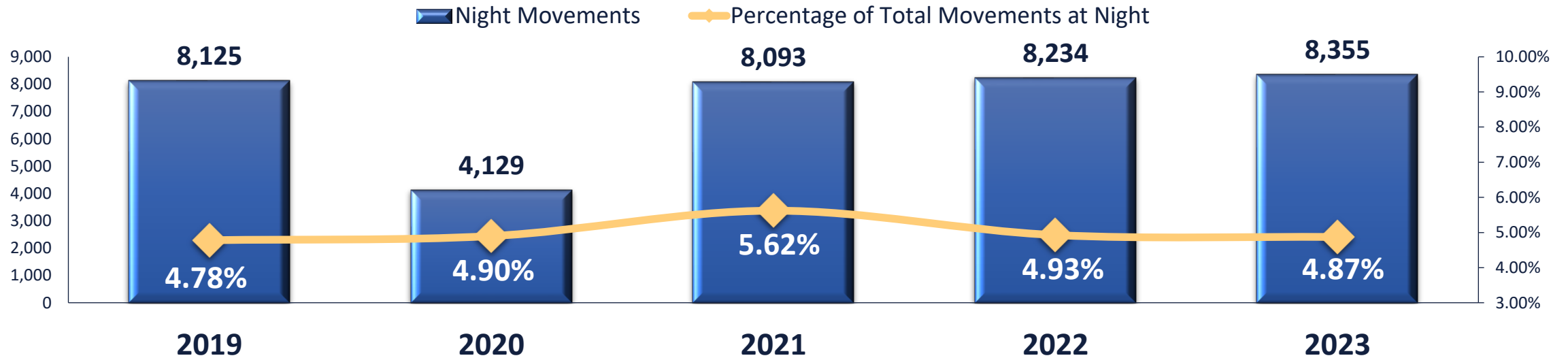


Movements	2019	2020	2021	2022	2023	2019/2020	2020/2021	2021/2022	2022/2023
Props	4,631	2,753	4,942	4,911	5,029	-40.55%	79.51%	-0.63%	2.40%
Turbo-Props	13,798	7,239	11,418	13,414	13,252	-47.54%	57.73%	17.48%	-1.21%
Helicopters	7,711	2,679	4,302	5,190	5,930	-65.26%	60.58%	20.64%	14.26%
Jets	143,068	71,882	122,831	143,081	146,649	-49.76%	70.88%	16.49%	2.49%
Totals:	170,003	84,819	143,975	167,137	171,460	-50.11%	69.74%	16.09%	2.59%

❖ Total Aircraft Movements are Inclusive of Missed Approaches and Aborted Take-Offs.

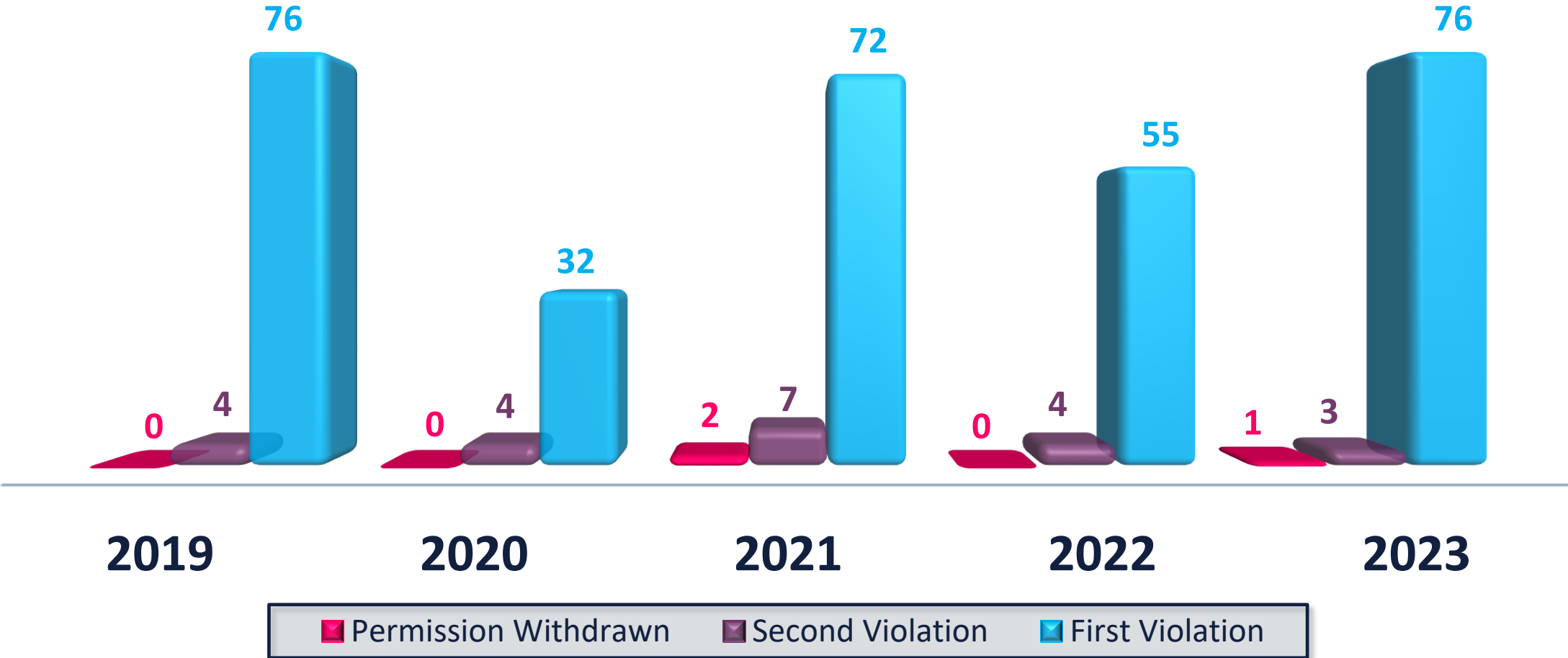
Airport Activity Report

Full Year (11:00p.m. – 6:00a.m.)



Year	Nighttime Aircraft Movements	Total Aircraft Movements	% of Total Movements at Night
2019	8,125	170,003	4.78%
2020	4,129	84,295	4.90%
2021	8,093	143,975	5.62%
2022	8,234	167,137	4.93%
2023	8,355	171,460	4.87%

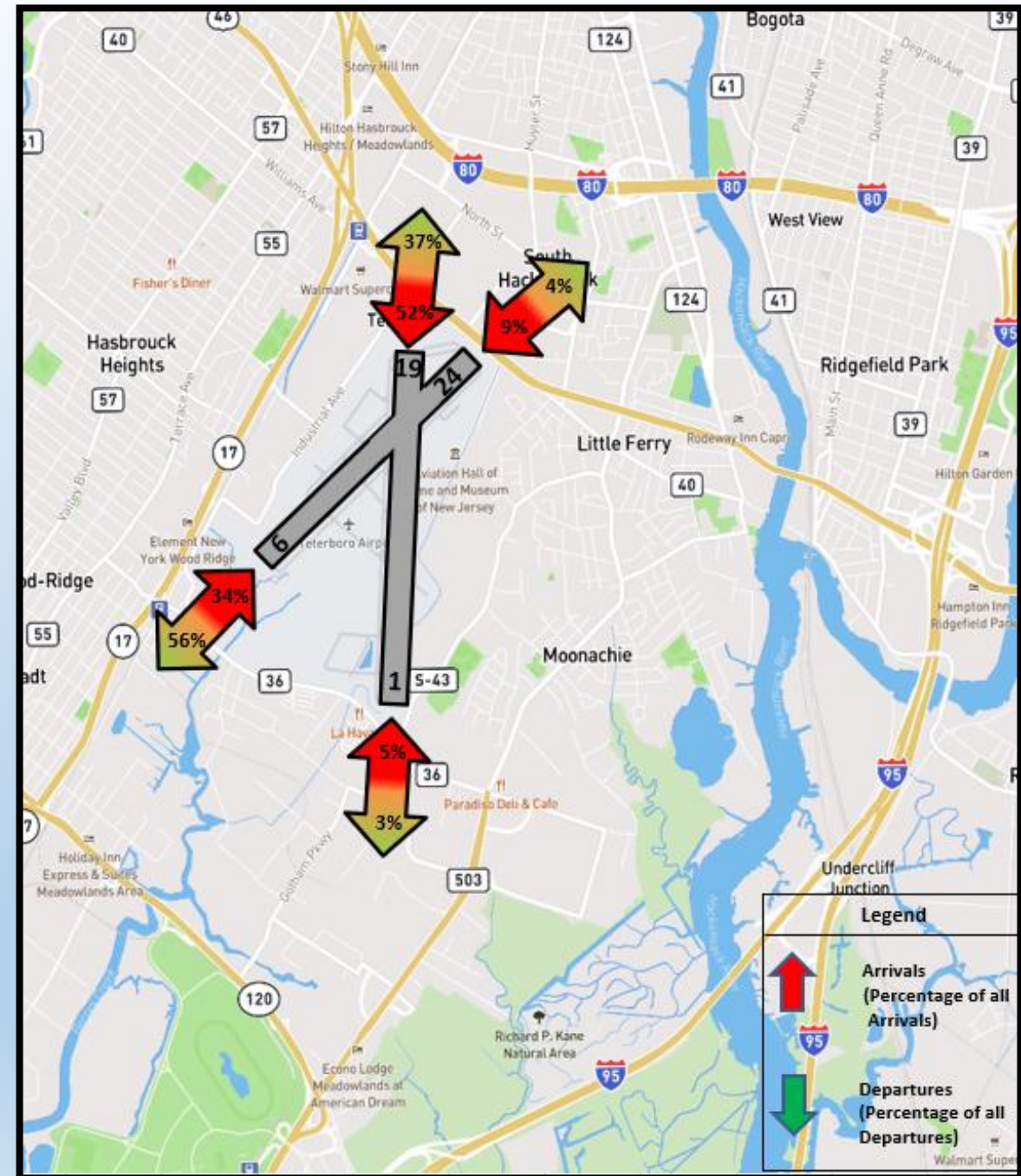
Noise Violations Full Year



Runway Utilization

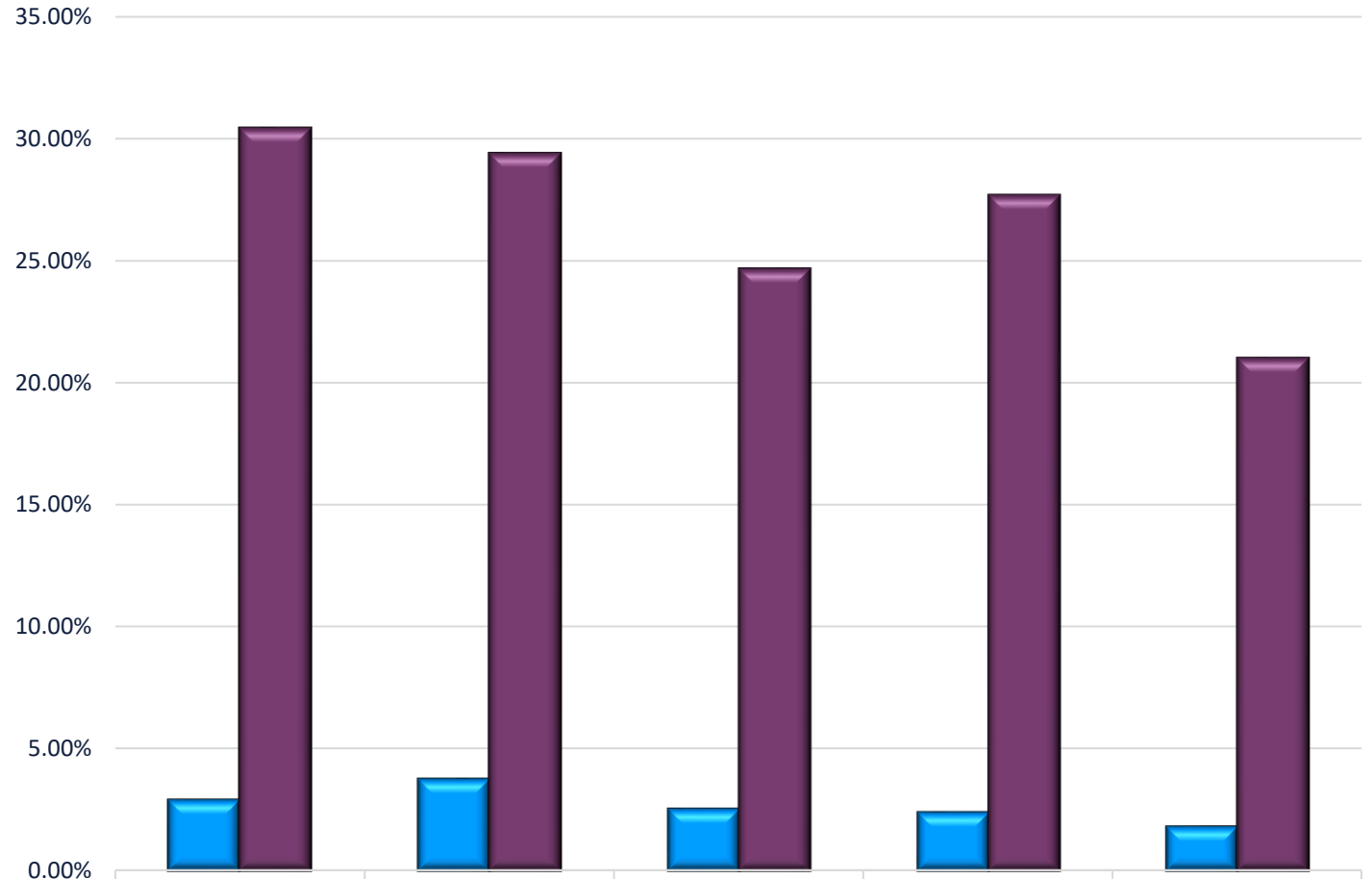
Full Year

		Arrivals		Departures	
Runways	1	4,277	5.15%	30,300	36.73%
	19	43,186	52.01%	2,878	3.49%
	6	27,993	33.72%	2,901	3.52%
	24	7,572	9.12%	46,422	56.27%
		83,028		82,501	
Helicopter Routes	N	166	5.68%	203	6.99%
	E	286	9.79%	275	9.46%
	S	2,251	77.09%	2,211	76.08%
	W	217	7.43%	217	7.47%
		2,920		2,906	



RNAV (GPS) X Runway 19 Offset Approach Utilization

Quarter Year	RWY 19 Arrivals (All Hours)	RNAV (GPS) X Arrivals (All Hours)	RWY 19 Arrivals (2200 - 0700)	RNAV (GPS) X Arrivals (2200 - 0700)
4Q 2022	11,612	333	1,081	329
1Q 2023	8105	215	711	209
2Q 2023	12,025	301	1,196	295
3Q 2023	10,049	237	849	235
4Q 2023	11,637	208	971	204

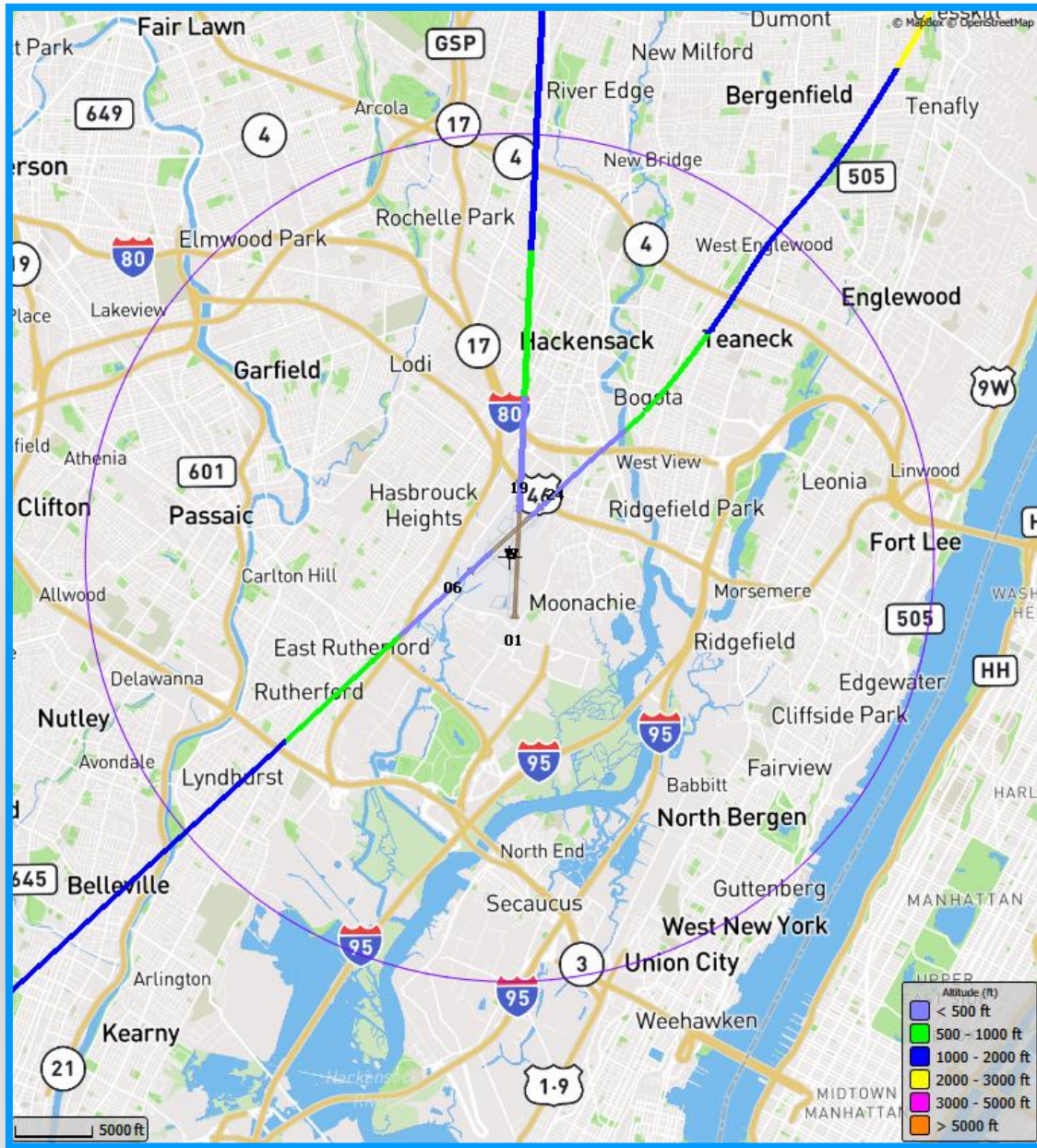


	4Q 2022	1Q 2023	2Q 2023	3Q 2023	4Q 2023
■ % of RNAV (GPS) X Arrivals (RWY 19 All Hours)	2.87%	3.71%	2.50%	2.36%	1.79%
■ % of RNAV (GPS) X Arrivals (RWY 19 10:00 PM - 7:00 AM)	30.43%	29.40%	24.67%	27.68%	21.01%

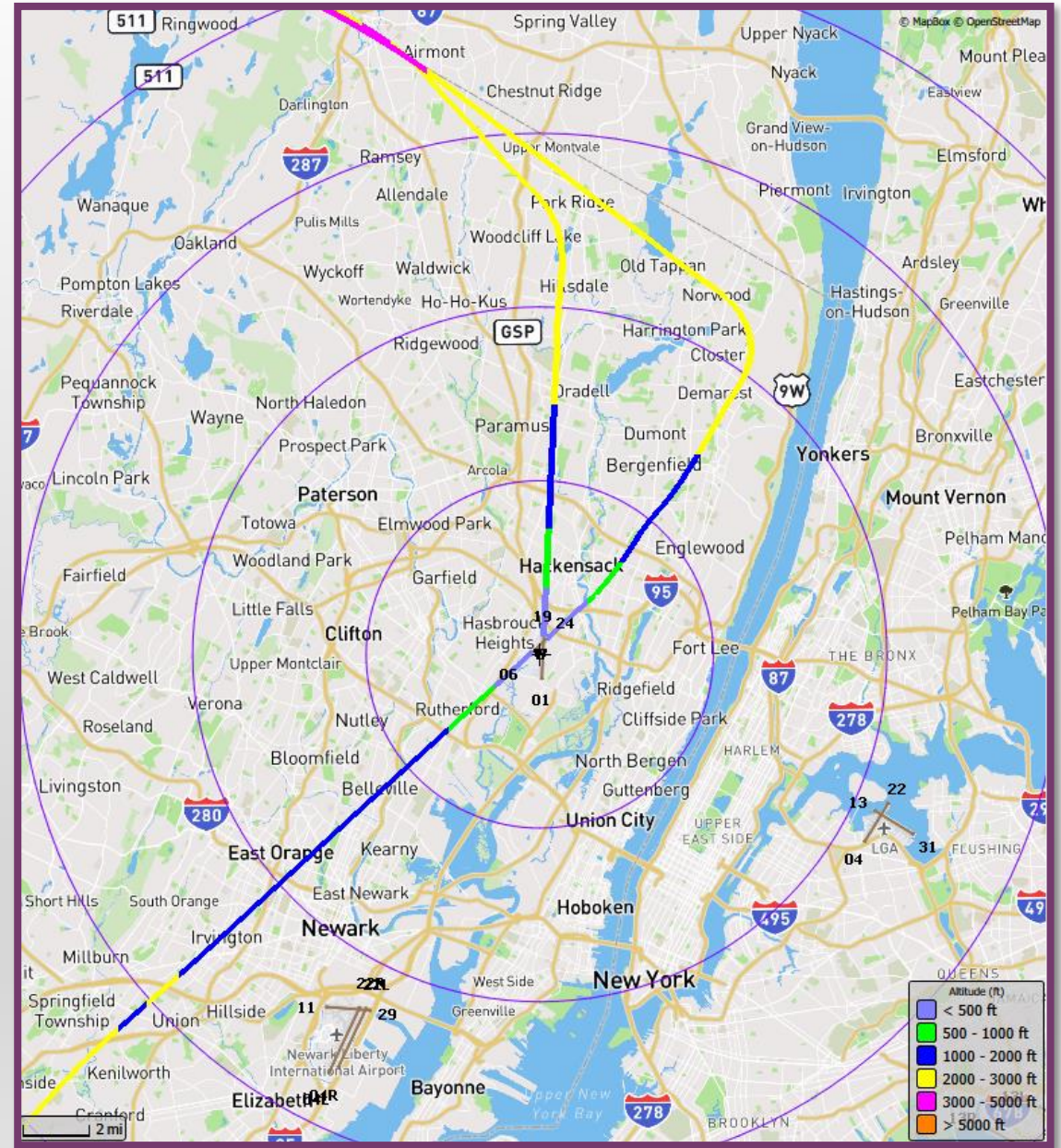
Availability of the RNAV (GPS) X Runway 19 approach is dependent on several factors including weather, visibility, and air traffic volume.

Arrivals By Altitude

5 - Mile Radius

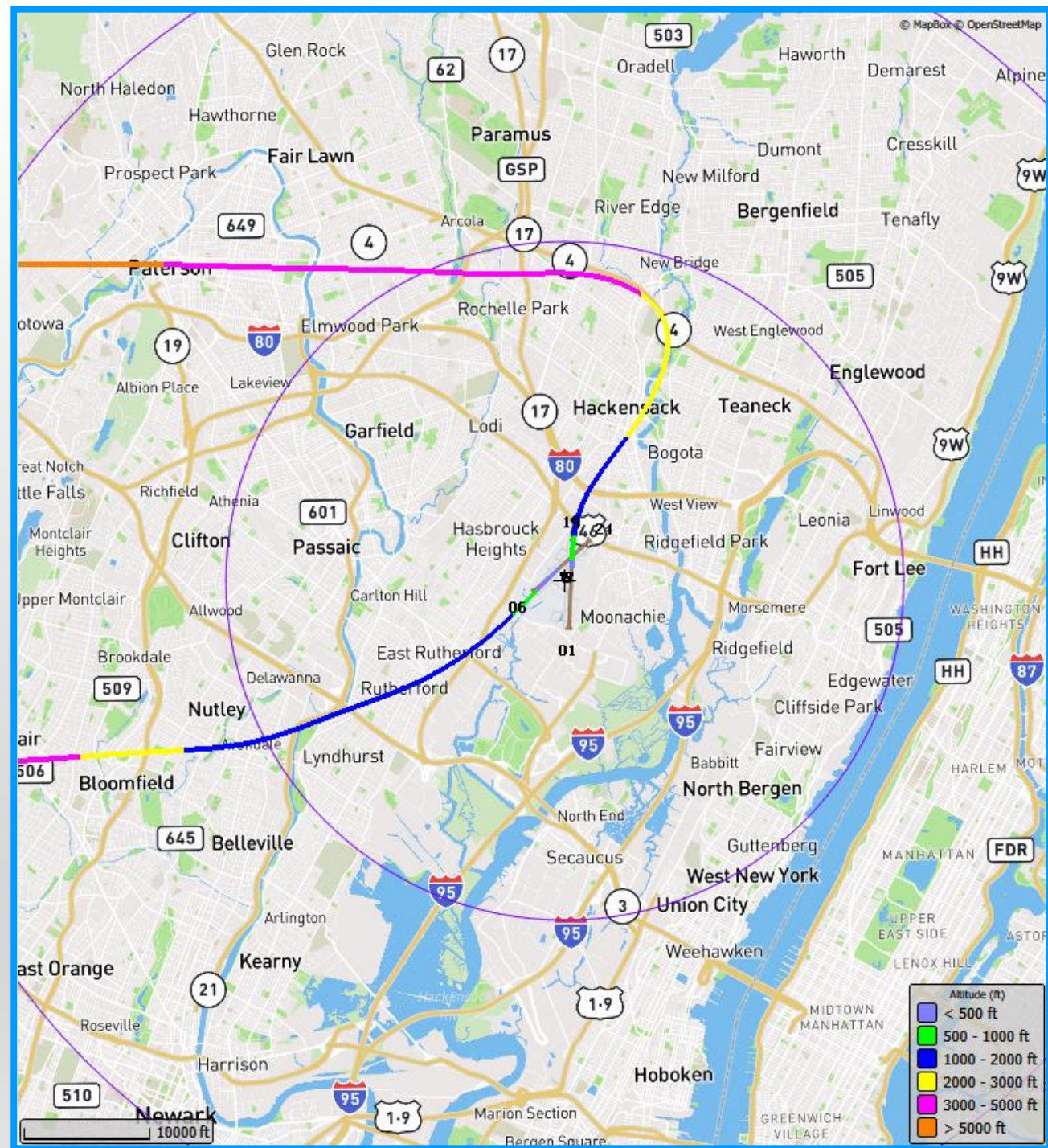


20 - Mile Radius



Departures By Altitude

Runway 1 & Runway 24



DNL(A) Full Year

■ DNL(A) = Day/Night Aircraft Noise Average

RMS 102	
Hamilton St.-Hasbrouck Hts.	
2022	36.1
2023	34.8
2022/2023:	-1.3

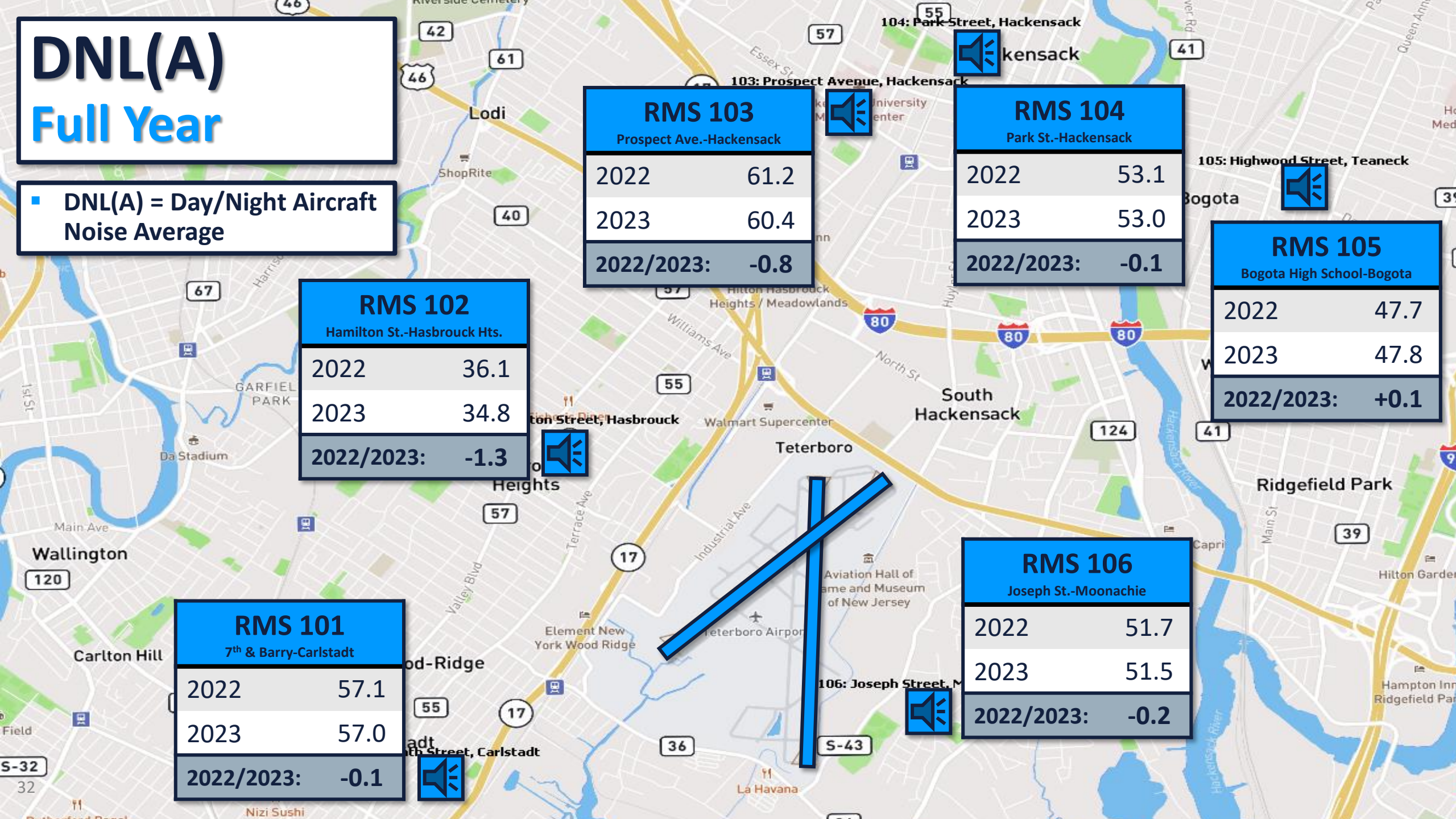
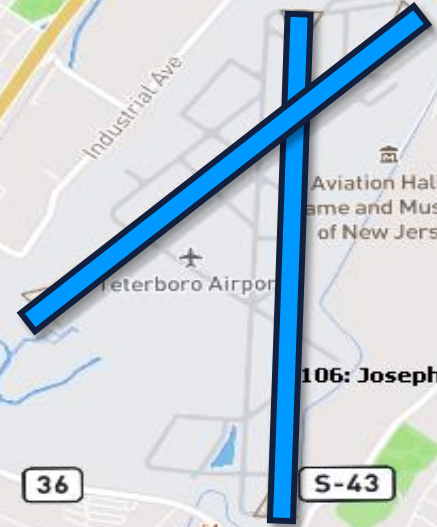
RMS 101	
7th & Barry-Carlstadt	
2022	57.1
2023	57.0
2022/2023:	-0.1

RMS 103	
Prospect Ave.-Hackensack	
2022	61.2
2023	60.4
2022/2023:	-0.8

RMS 104	
Park St.-Hackensack	
2022	53.1
2023	53.0
2022/2023:	-0.1

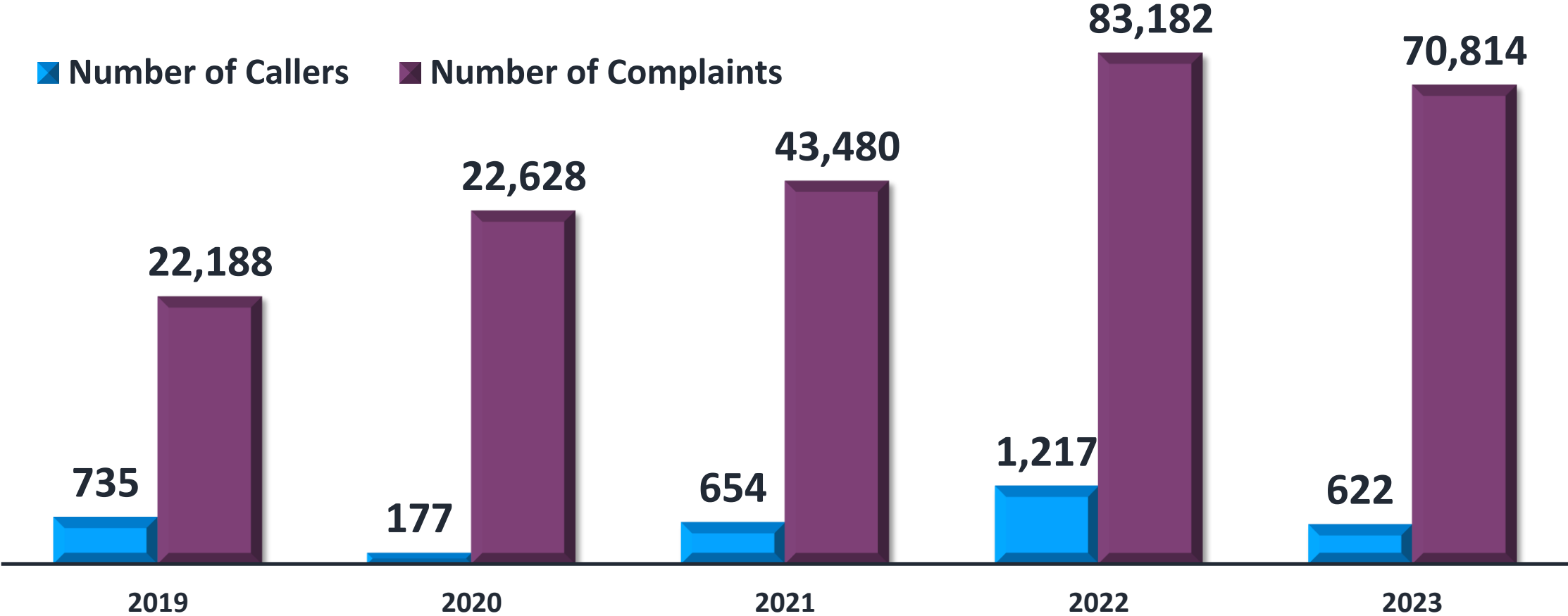
RMS 105	
Bogota High School-Bogota	
2022	47.7
2023	47.8
2022/2023:	+0.1

RMS 106	
Joseph St.-Moonachie	
2022	51.7
2023	51.5
2022/2023:	-0.2



Noise Complaints

Full Year

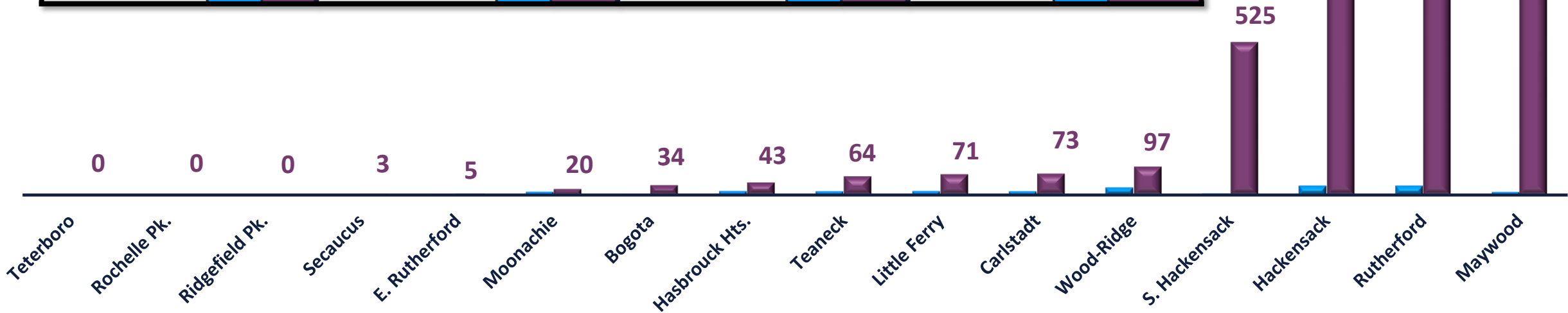


■ Third Party Applications Logged 34,101 Complaints from 60 Callers for 2023.

Noise Complaints: TANAAC Members

Full Year

Teterboro	0	0	Moonachie	12	20	Little Ferry	14	71	Hackensack	31	2,703
Rochelle Pk.	0	0	Third Party	1	1	Third Party	3	34	Third Party	6	1,916
Ridgefield Pk.	0	0	Bogota	4	34	Carlstadt	13	73	Rutherford	31	2,855
Secaucus	1	3	Hasbrouck Hts.	14	43	Wood-Ridge	25	97	Maywood	11	29,231
E. Rutherford	4	5	Teaneck	13	64	S. Hackensack	6	525	Third Party	1	28,925



 **Complainants**

 **Complaints**

Noise Complaints: Non-TANAAC - Full Year

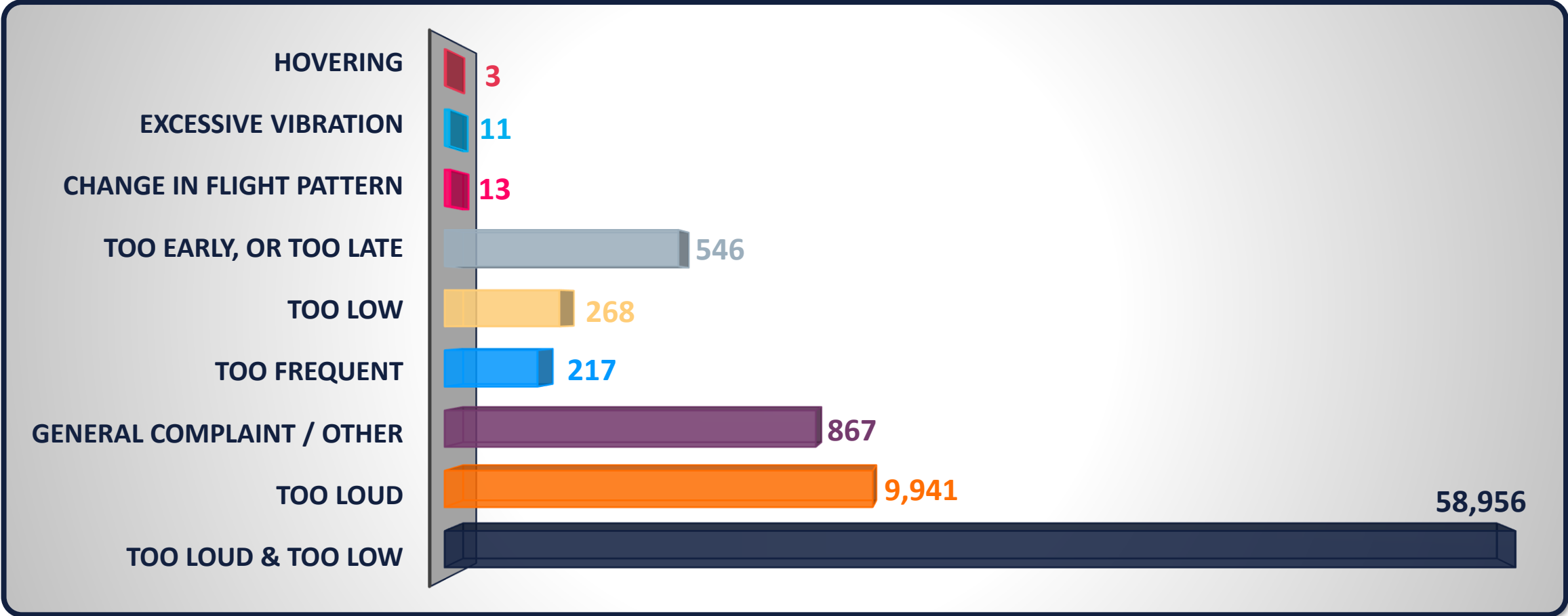
Airmont	1	1	Emerson	12	585	Harrington Park	1	1	New Milford	2	2	Pearl River	1	1	Tenafly	20	1,832
Allendale	2	87	Englewood	1	1	Hawthorne	1	3	New York	2	11	Ramsey	4	4	Third Party	1	1,719
Alpine	1	2	Englewood Cliffs	12	19	Hewitt	1	571	Newark	4	21,384	Ridgefield	2	11	Upper Saddle River	29	437
Basking Ridge	1	1	Fair Lawn	12	1	Hillsdale	19	47	North Bergen	1	2	Ridgewood	3	4	Third Party	4	84
Belleville	3	65	Flushing	1	2	Huntington	1	2	N. Haledon	3	6	River Edge	1	1	Walden	1	1
Bergenfield	12	80	Fort Lee	4	13	Islip	1	3	Northport	1	2	River Vale	8	21	Waldwick	1	2
Bloomfield	5	19	Franklin	1	1	Kearny	1	1	Norwood	9	16	Third Party	1	1	Washington Twp.	10	101
Boonton	4	34	Franklin Lakes	3	200	Kenilworth	1	1	Nutley	5	7	Rockaway	2	563	Wayne	3	4
Cedar Grove	2	2	Third Party	3	186	Lake Hopatcong	2	2	Oak Ridge	1	2	Saddle River	1	114	West Orange	1	3
Closter	14	20	Garfield	1	1	Lyndhurst	27	3,646	Oradell	5	33	South Orange	3	4	Westfield	1	1
Cranford	1	1	Glen Head	1	1	Mahwah	24	236	Third Party	1	1	South Salem	2	303	Westwood	12	65
Cresskill	12	2,987	Glen Ridge	1	1	Monroe Twp.	1	1	Paramus	13	19	Third Party	2	301	Woodcliff Lake	19	746
Third Party	2	2,104	Green Brook	2	2	Montclair	6	12	Park Ridge	16	217	Stanhope	4	168	Third Party	3	386
Demarest	34	110	Harrison	1	1	Montvale	13	25	Purchase	4	161	Staten Island	4	19	Wurtsboro	3	3
Edgewater	1	6	Third Party	1	1	Montville	2	3	Third Party	4	162	Vauxhall	2	25	Wyckoff	5	28

 Complaints

 Complainants

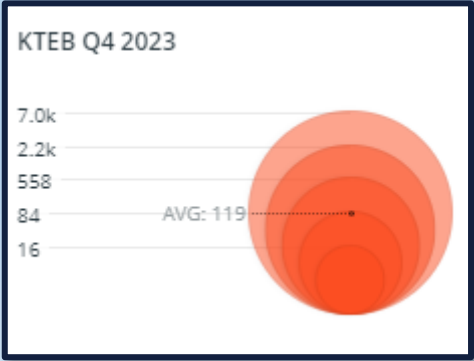
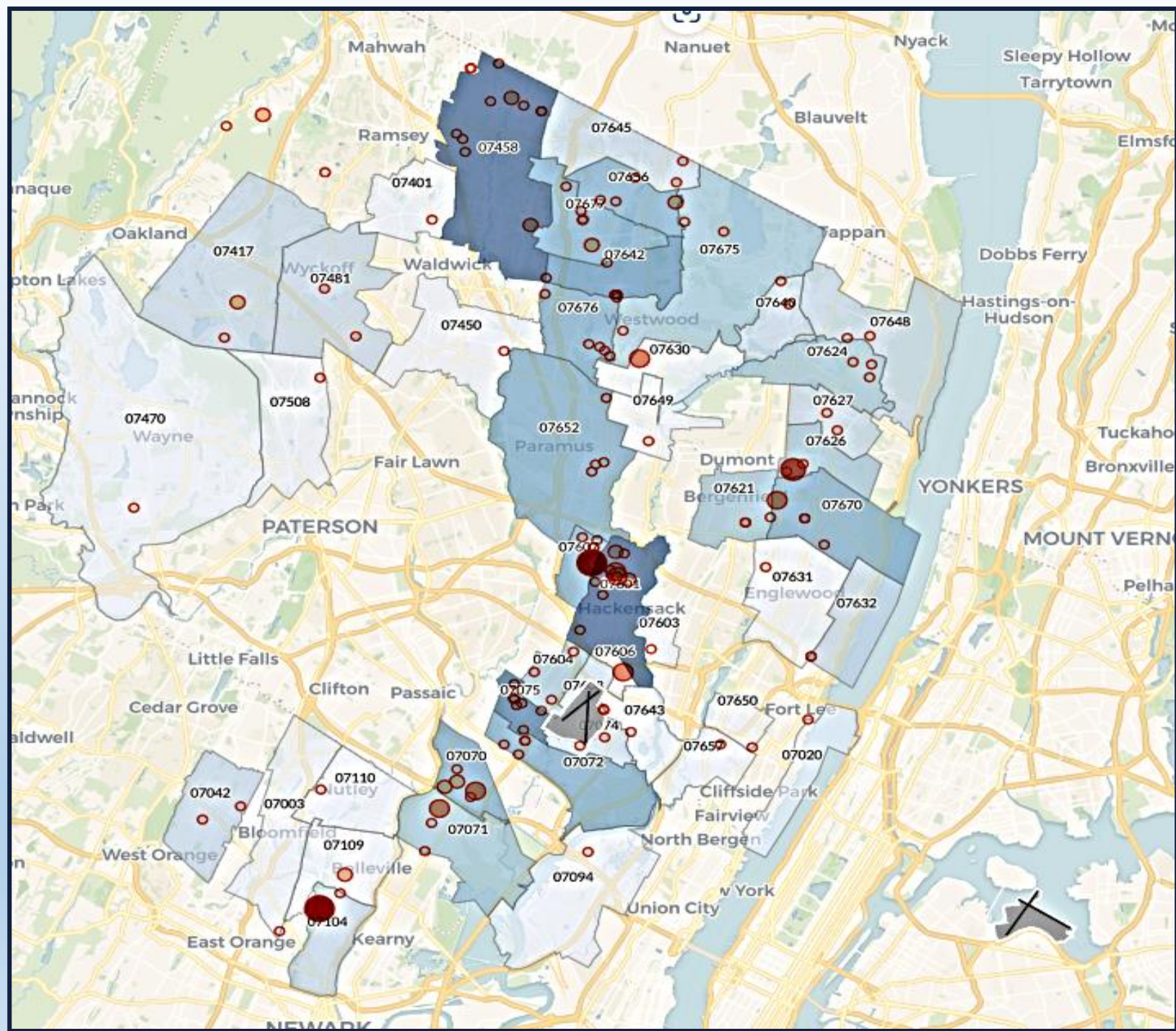
Noise Complaints: Nature of Disturbance

Full Year



Regional Complaints

Oct. – Dec. 2023



Committee Comments / Questions



General Discussion / Questions



Thank you for your Attendance



THE NEXT TANAAC MEETING IS SCHEDULED
FOR APRIL 24, 2024