



Teterboro Aircraft Noise Abatement Advisory Committee
Full Year 2025 Meeting
January 21, 2026



TANAAC Meeting Agenda:

Welcome/Introduction - TANAAC Member Roll Call - Opening Remarks - TANAAC Overview	Richard Heslin – Meeting Facilitator Mayor Ron Kistner – Borough of Hasbrouck Heights / TANAAC Co-Chair Sherri Smith – Airport Manager, Teterboro Airport – Port Authority of NY & NJ / TANAAC Co-Chair
Operations Update Airport Construction Projects	Scott Marsh - Manager, Operations & Security, Teterboro Airport - Port Authority of NY & NJ
Old Business: - Letter of Request to FAA for Proposed Noise Abatement measures 14 CFR Part 150 NCP Update	Mary M. McCarthy – Director, NY Area Program Integration Office – FAA Gabriel Andino – Manager, Noise Abatement Office – Teterboro Airport/Avports
New/Amended Noise Abatement Flight Procedures Options	Jason Stoddard – Airspace Analyst, HMMH
Enhanced Aircraft Noise Monitoring Methodology	Greg Bracci – Vice President, Americas - Envirosuite
Noise Office Statistical Report (Full Year 2025): - Aircraft Activity - Aircraft Noise Violations - Measured Noise Levels - Noise Complaints	Gabriel Andino - Manager, Noise Abatement Office - Teterboro Airport/Avports Michael Fiscus – Asst. Manager, Noise Abatement Office - Teterboro Airport/Avports Alejandra Cabrera – Specialist, Noise Abatement Office - Teterboro Airport/Avports
Runway 19 Approach Focus Group	Mayor Ron Kistner – Borough of Hasbrouck Heights - TANAAC Co-Chair
Community Open Forum – Introduction	Sherri Smith – Airport Manager, Teterboro Airport – Port Authority of NY & NJ / TANAAC Co-Chair Gabriel Andino – Manager, Noise Abatement Office – Teterboro Airport/Avports
Committee Open Discussion	
Guest Comments/ Questions	

TANAAC Voting Members and Representatives

Member	Mayor / Official	Designated Representatives
Borough of Bogota	Daniele Fede	Councilwoman Connie Carpenter
Bergen County	James J. Tedesco III	Principal Planner Peter Kortright
Borough of Carlstadt	Robert J. Zimmerman	Ronald Stull, Jolanta Polan, and John Antoniotti – Appointed Reps.
Borough of East Rutherford	Jeffrey Lahullier	Councilman George Cronk
City of Hackensack	Caseen Gaines	Environmental Commission Chair - Marlene Sommerville
Borough of Hasbrouck Heights	Ron Kistner	
Borough of Little Ferry	Mauro D. Raguseo	Councilman George Muller & Borough Admin. Lisette Duffy
Borough of Maywood	Richard Bolan	John Brown – Appointed Representative
Borough of Moonachie	Dennis Vaccaro	Councilwoman Karen Surak & Councilman Bradford J. Haberlin
Village of Ridgefield Park	Adam MacNeill	Village Commissioner Wanda Portorreal
Township of Rochelle Park	Thomas Miller	Roy Luyster – Appointed Representative
Borough of Rutherford	Frank Nunziato	Jim Linsalata – Appointed Representative
Town of Secaucus	Michael Gonnelli	Councilman William McKeever
Township of South Hackensack	Luis Perdomo	Councilman Frank Cagas
Township of Teaneck	Mark J. Schwartz	
Borough of Teterboro	John P. Watt	
Borough of Wood-Ridge	Paul A. Sarlo	Borough Clerk Gina Affuso

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 at 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
- 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 public may attend as observers of the proceedings.

TEB Airport Operations Update

Scott Marsh – Manager, Operations & Security





Old Business

- **Letter of Request to FAA**
- **14 CFR Part 150 NCP Update**

Old Business:

TANAAC Letter of Request to FAA – July 2025 Status Update

Topic	Goal	Prior Status	Current Status
Runway 1 published approach procedure	Publish procedure to facilitate use of Runway 1 for arrivals	Estimated publication date January 22, 2025	Because of an issue with some Flight Management Systems, some of the fleet at TEB will not be able to fly the RNAV (GPS) RWY 1 when it is published. As a result, it will not be advertised until February 19.
Runway 6 offset approach procedure	Review feasibility of an alternate Runway 6 approach procedure	On Hold.	On Hold. The Runway 1 procedure should move traffic from the Runway 6 approach and may provide the noise reduction sought.
RNAV (GPS) X Approach procedure to Runway 19 (Runway 19 offset approach)	Increase use of this procedure during daytime hours	Air Traffic Control (ATC) input is needed; on hold because of recent equipment issues and work being done to remedy those issues.	We will begin meeting with Newark Approach to discuss increasing the use of this procedure this quarter.
Runway 19 approach procedures	Review feasibility of increasing aircraft altitudes at the Runway 19 Initial Approach Fix UNVIL	Air Traffic Control (ATC) input needed.	No change. As previously reported, we're unable to raise UNVIL because of LGA traffic above; however, we have some ideas about moving the fix and are considering the feasibility of those ideas.

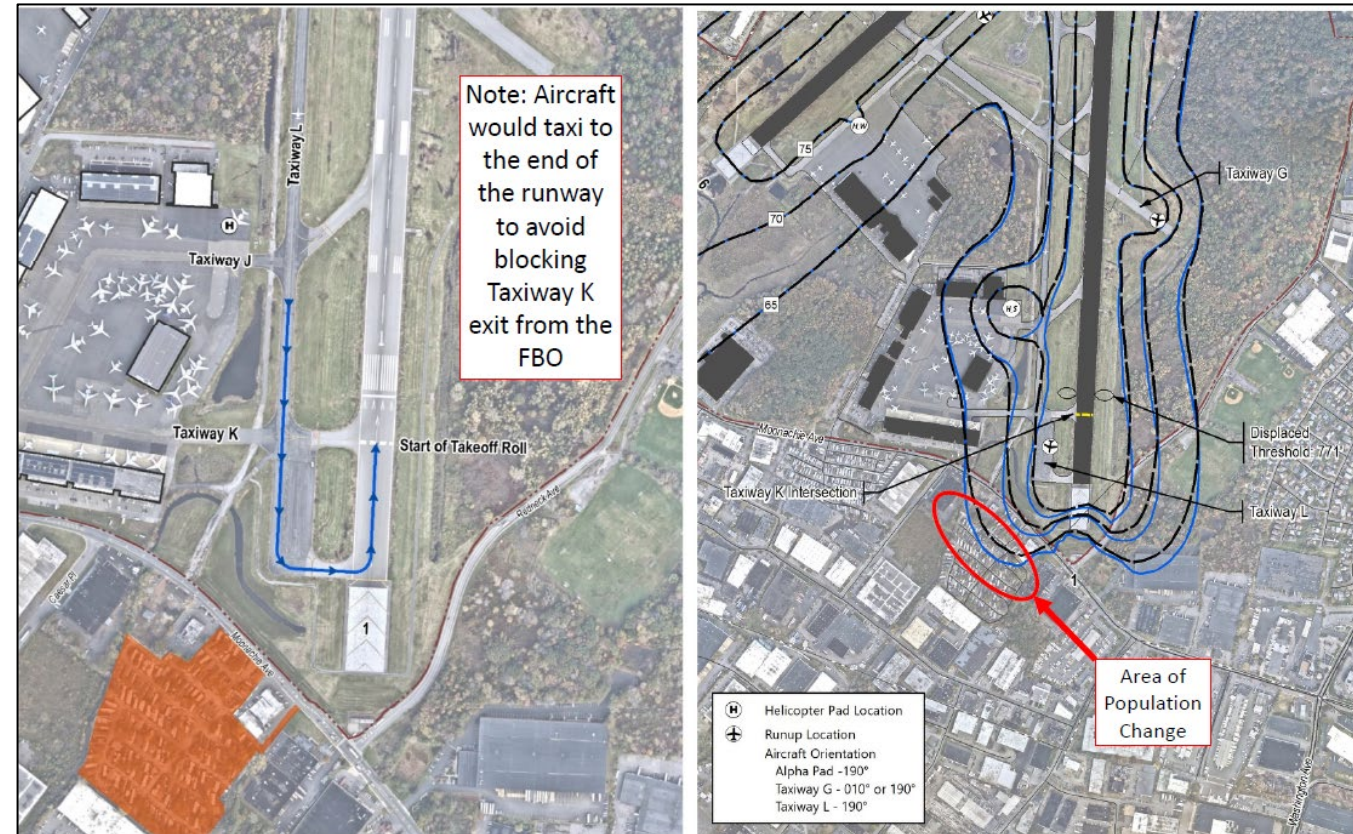
14 CFR Part 150

Noise Compatibility Plan (NCP) Update

- **NCP Noise Abatement (NA) measures**
 - NA 1: Implement a Runway 24 Departure Turn to 230 degrees at Night
 - **Status: Under FAA review for implementation – Implementation date TBD**
 - NA 2: Encourage Intersection Departures from Taxiway L7 (formerly Taxiway K) on Runway 1 at Night
 - **Implemented and currently in use**
 - NA 3: Design and Implement a Centralized Aircraft Run-up Pad
 - **Under review for implementation – Implementation date TBD**
 - NA 6: Implement a Published Approach Procedure to Runway 1 and Increase Usage at Night
 - **Publication of RNAV (GPS) RWY 1 Approach scheduled for January 22, 2026**

NA 2: Encourage Intersection Departures from Taxiway L7 on Runway 1 at Night

- Aircraft start their takeoff roll at Taxiway L7, (formerly Taxiway K) reducing noise impact on the community behind the end of the runway.
- This procedure is utilized during late night hours (between 11:00 pm and 6:00 am) on nights when Runway 1 is in use for departures

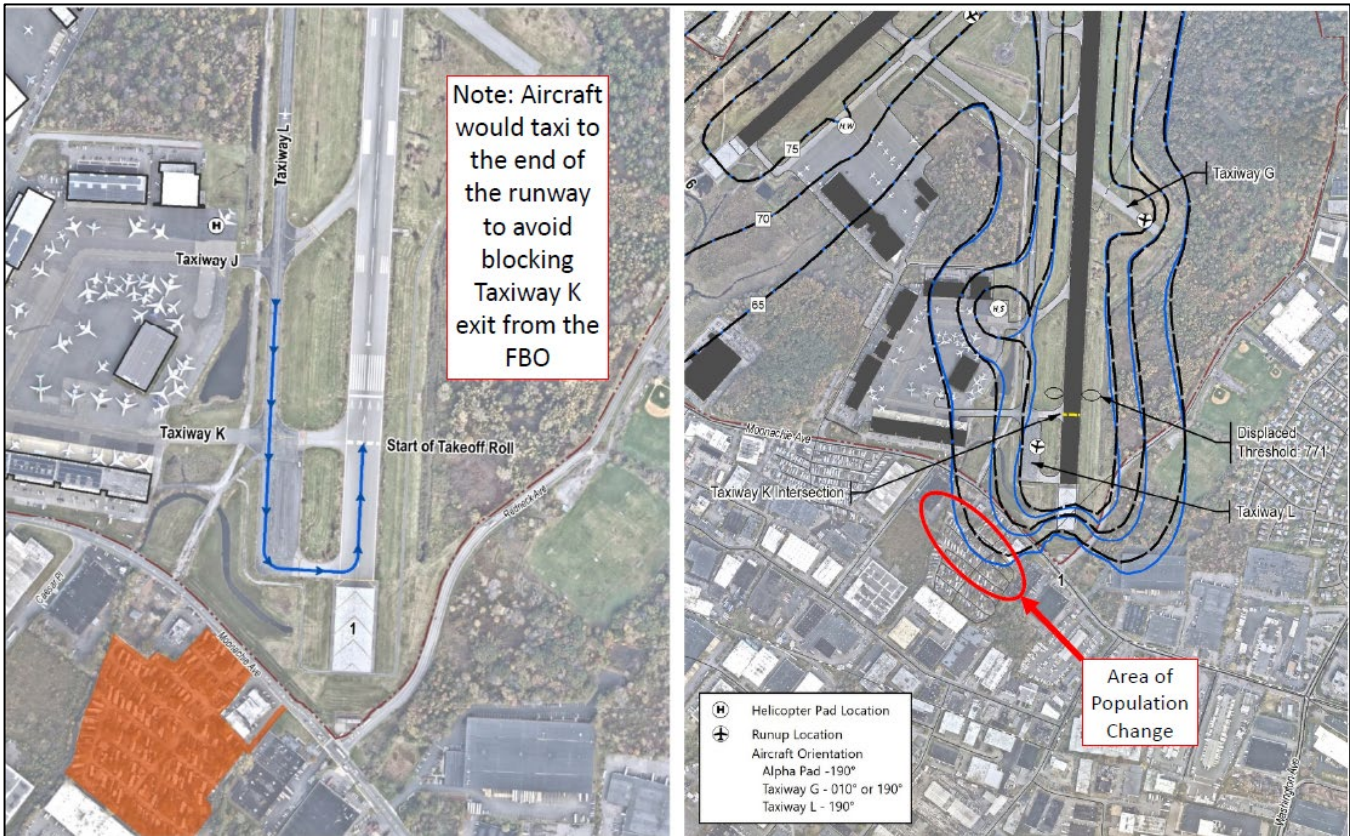


NA 2: Encourage Intersection Departures from Taxiway L7 on Runway 1 at Night

2025 Utilization – 11:00 PM – 6:00 AM

Month	Total RWY 1 Departures	TWY L7 Departures	%
1Q 2025	122	19	16%
2Q 2025	176	40	23%
3Q 2025	167	97	58%
4Q 2025	200	136	68%
Total	665	292	44%

Data Source: Vianair AIM



New / Amended Noise Abatement Flight Procedures Options

HMMH

- Jason Stoddard – Airspace Analyst



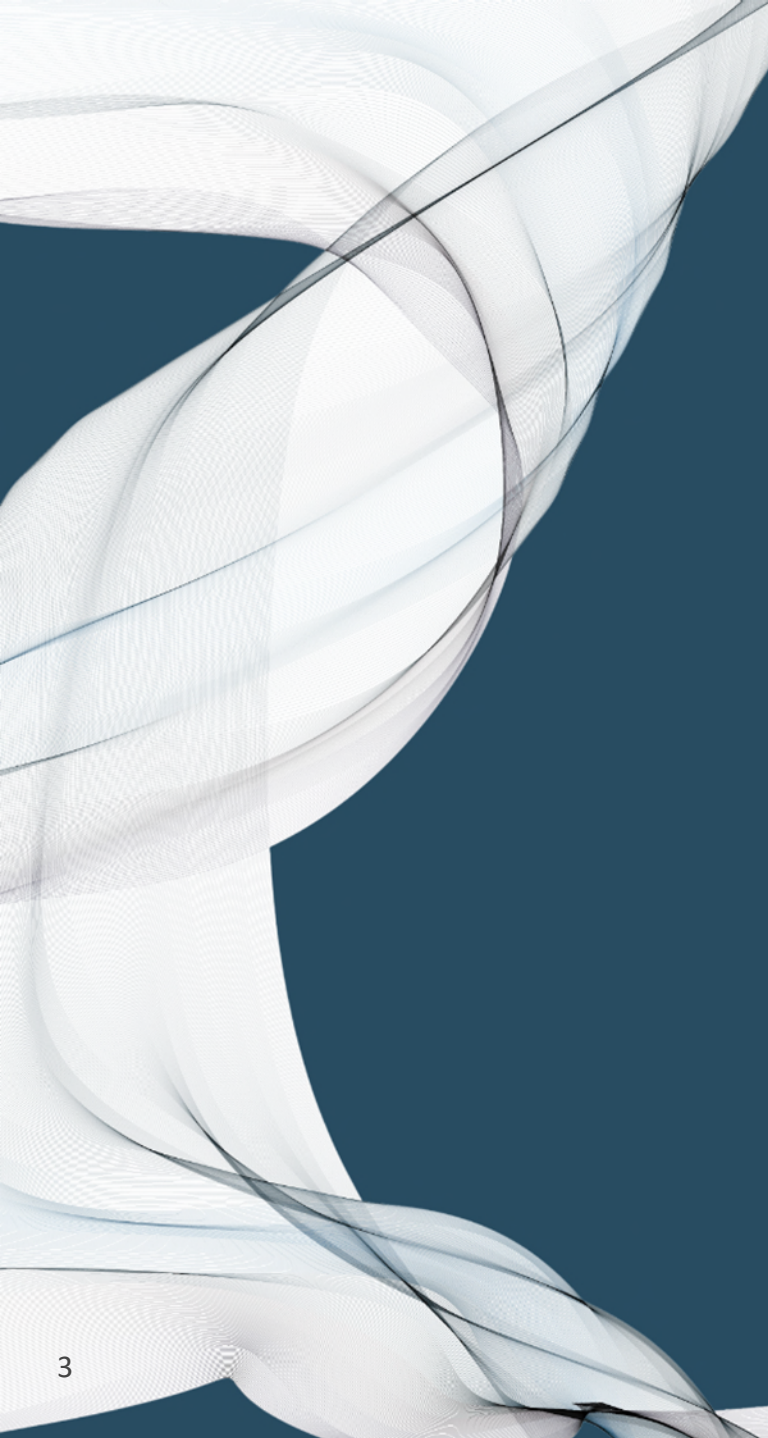
TANAAC Brief

January 21, 2026



Agenda

- Project Scope
- Preliminary Procedure Options
- Questions



Project Scope Revisited

- The contract scope is limited to focus on creation of new procedures and amendment of existing ones (2 new and 2 mods per airport)
- We intend to focus our efforts on procedure creation and amendments that have the greatest possibility of being implemented and result in meaningful change
- Due to the complexity of the airspace and volume of existing traffic, limited options are available

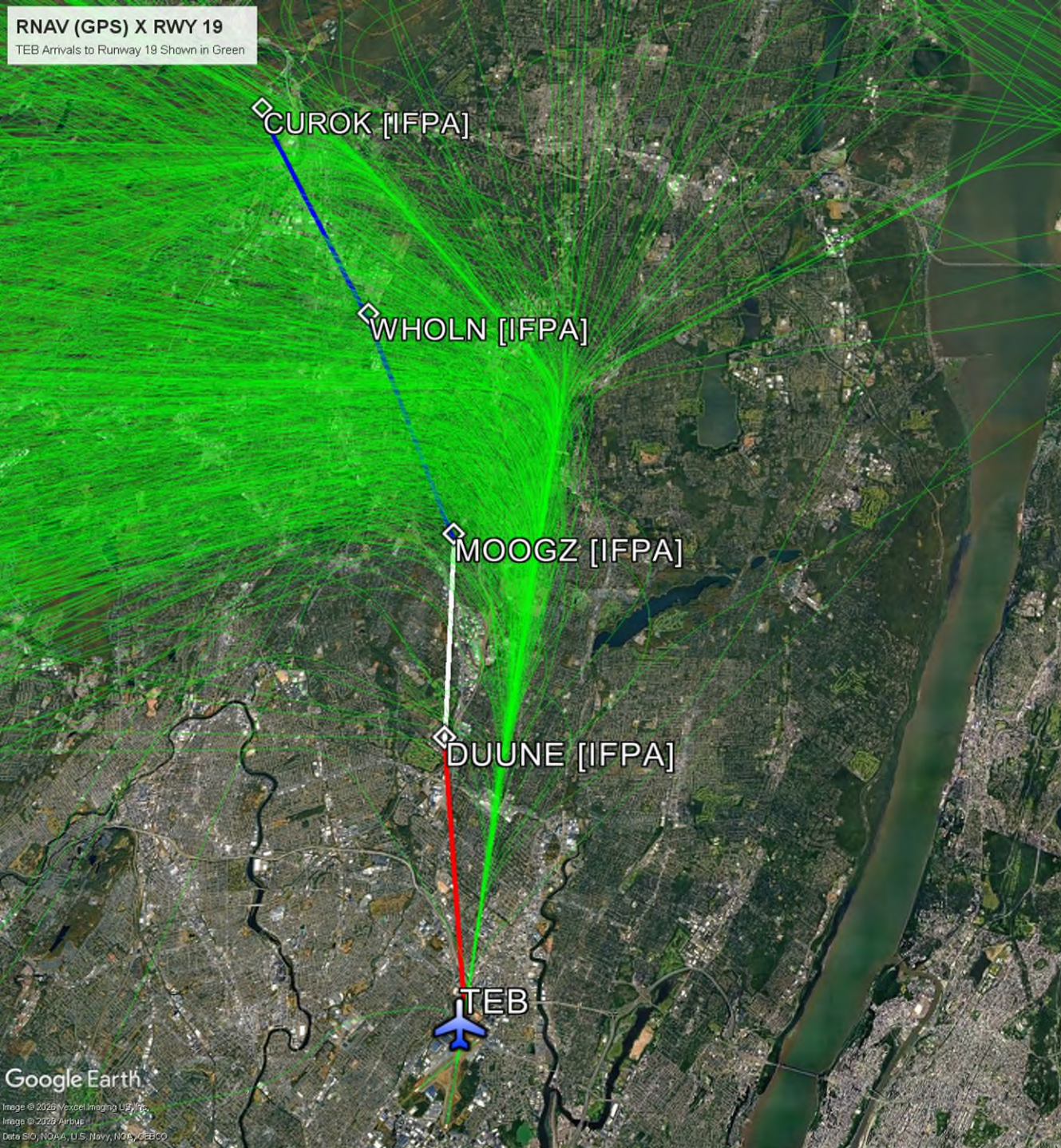
Preliminary Procedure Change Options

- RNAV (GPS) X RWY 19 Redesign
- RNAV (GPS) Y RWY 19 Redesign
- RWY 24 Offset Departure
- Offset Approach for RWY 6



Runway 19 Arrivals

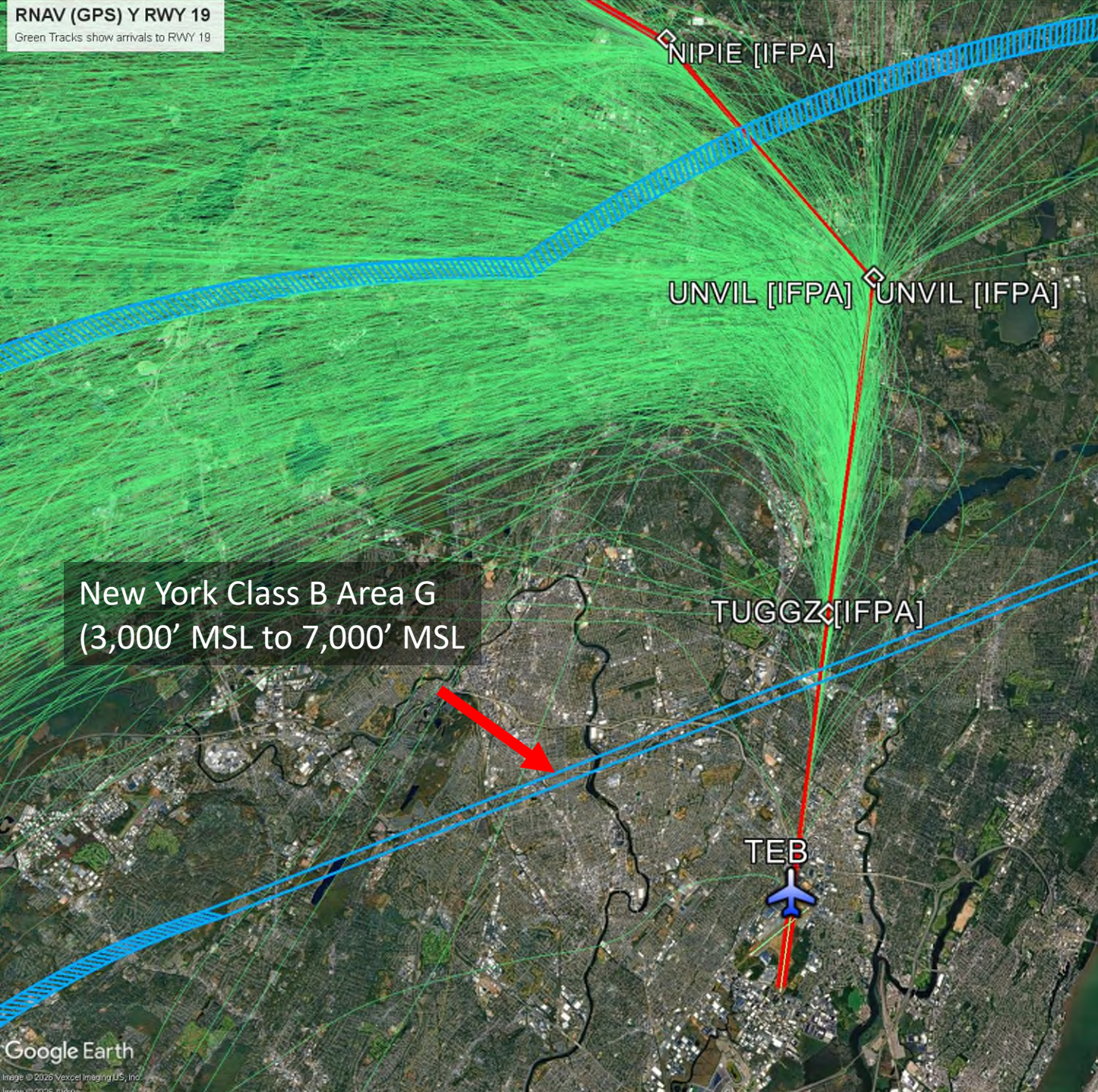
- RNAV (GPS) X RWY 19
- RNAV (GPS) Y RWY 19



Procedure shown is the existing RNAV (GPS) X RWY 19

Tracks shown in green are arrivals to Runway 19 (January 1 – Jan 12, 2026)

- Objectives include:
 - Adding a straight in segment on final approach
 - Reducing the offset angle



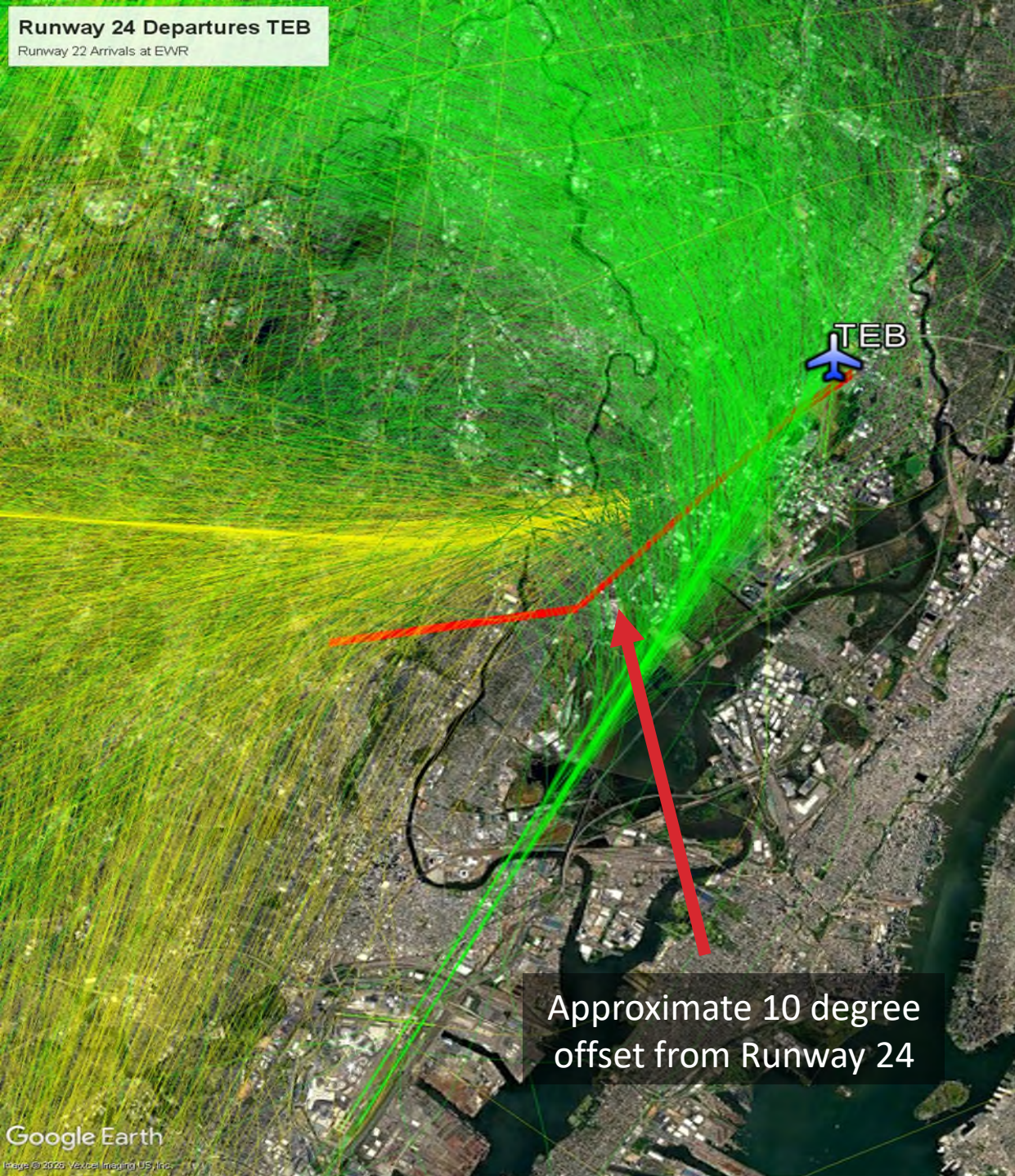
Procedure shown is the existing RNAV (GPS) Y RWY 19

Tracks shown in green are arrivals to Runway 19 (January 1 – Jan 12, 2026)

- Objectives include:
 - Continue exploring raising the altitude of UNVIL
 - Moving the location of UNVIL

Runway 24 Departure

- 230° Initial offset



Runway 24 Departures

Yellow Tracks – Departures from TEB Runway 24
Green Tracks – Arrivals to EWR Runway 22
(All tracks are from Jan 1 – Jan 12, 2026)

- Objectives include:
 - Creating a 230° (10° offset) departure from Runway 24
 - Used in conjunction with offset approach to Runway 22 at EWR (Proposed publication date of Nov 2027)

Runway 6 Approach

- Offset Approach to Runway 6



New Offset Approach for Runway 6 (Red)

Straight in Final Approach (ILS or LOC RWY 6) Shown in Blue for Reference

- Objectives include:
 - Creation of an eastern offset approach to runway 6
 - Slight offset coupled with straight in final segment make it more appealing to Pilots & ATC
 - Loosely follows Rt. 17
 - May be published as a Charted Visual Flight Procedure (VFR)

Questions and Discussion

Thank you!



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ANOMS ANEEM Introduction

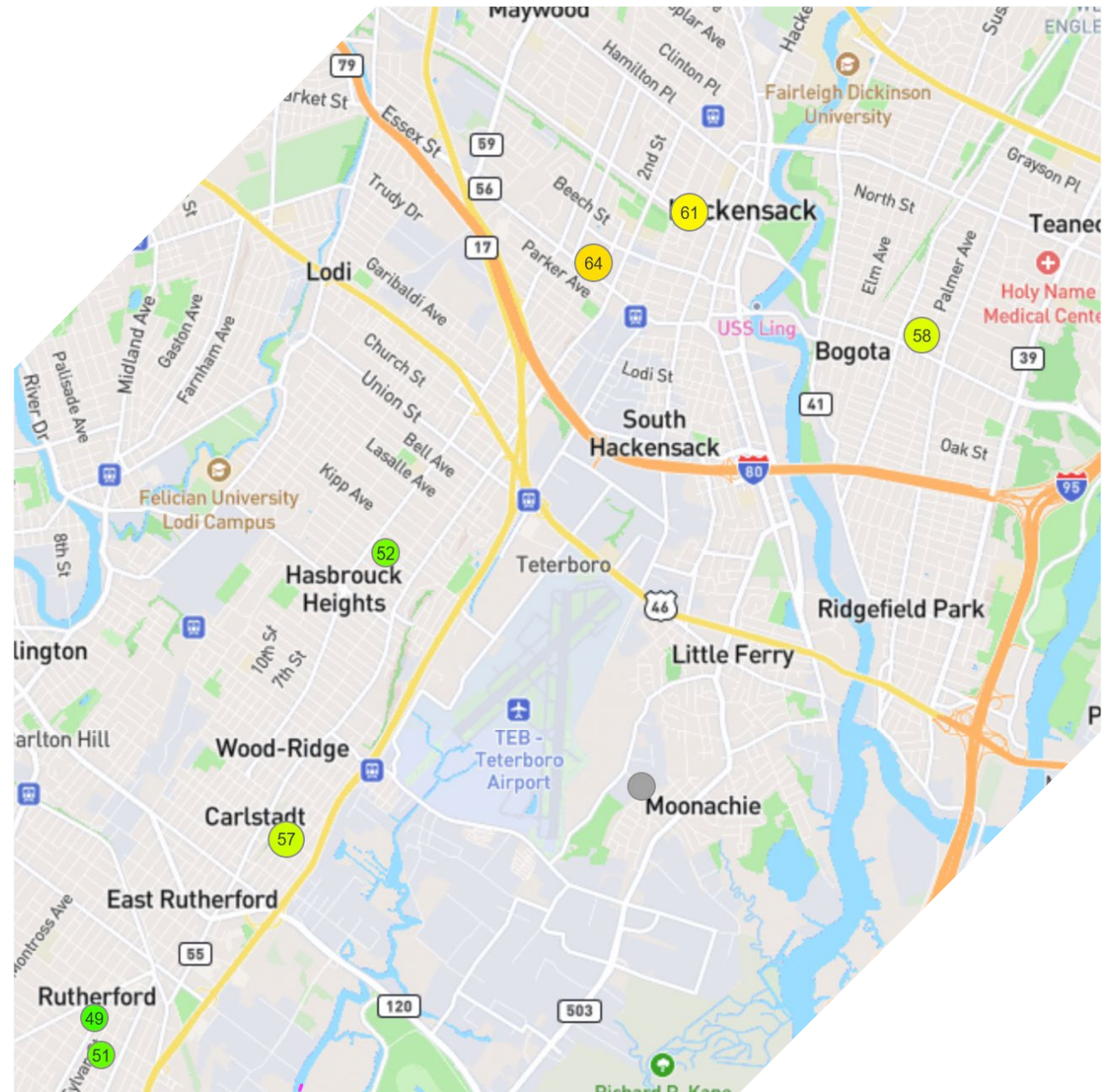
Envirosuite

- Greg Bracci – Vice President, Americas



TANAAC – Teterboro Aircraft Noise Monitoring Methodology

January 21, 2026





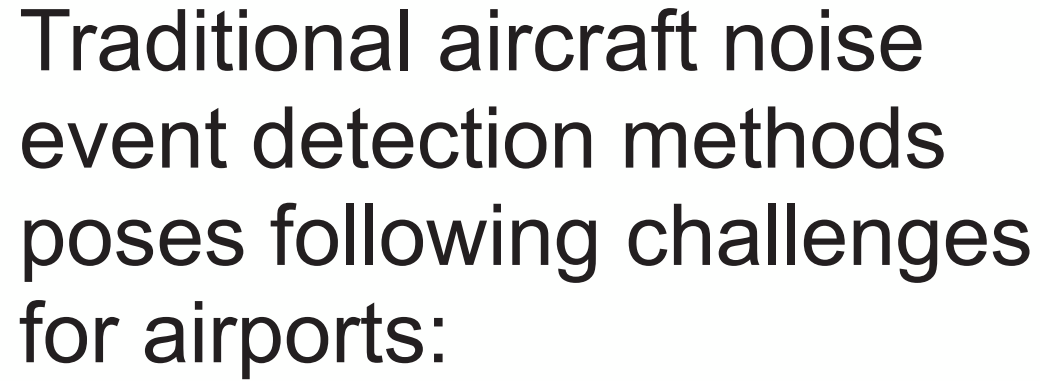
Background

- All existing physical noise monitors rely on a fixed background noise threshold.
- The new technology, being explored, dynamically adjusts its threshold based on background noise variations throughout the day.
- The changes are software-related, requiring no modifications to the physical noise monitoring hardware.
- Testing and reviewing data from the past several months across all sites (*as a pilot project*).

Technology Comparison:

- ✓ The existing system captures a noise event and then searches for a corresponding flight track to correlate the noise with the flight
- ✓ The new AI driven system:
 1. Identifies flights (assuming each flight generates noise) and then locates the corresponding captured noise event.
 2. Compares the measured noise level with the modeled aircraft noise to verify that background noise contamination is not present.



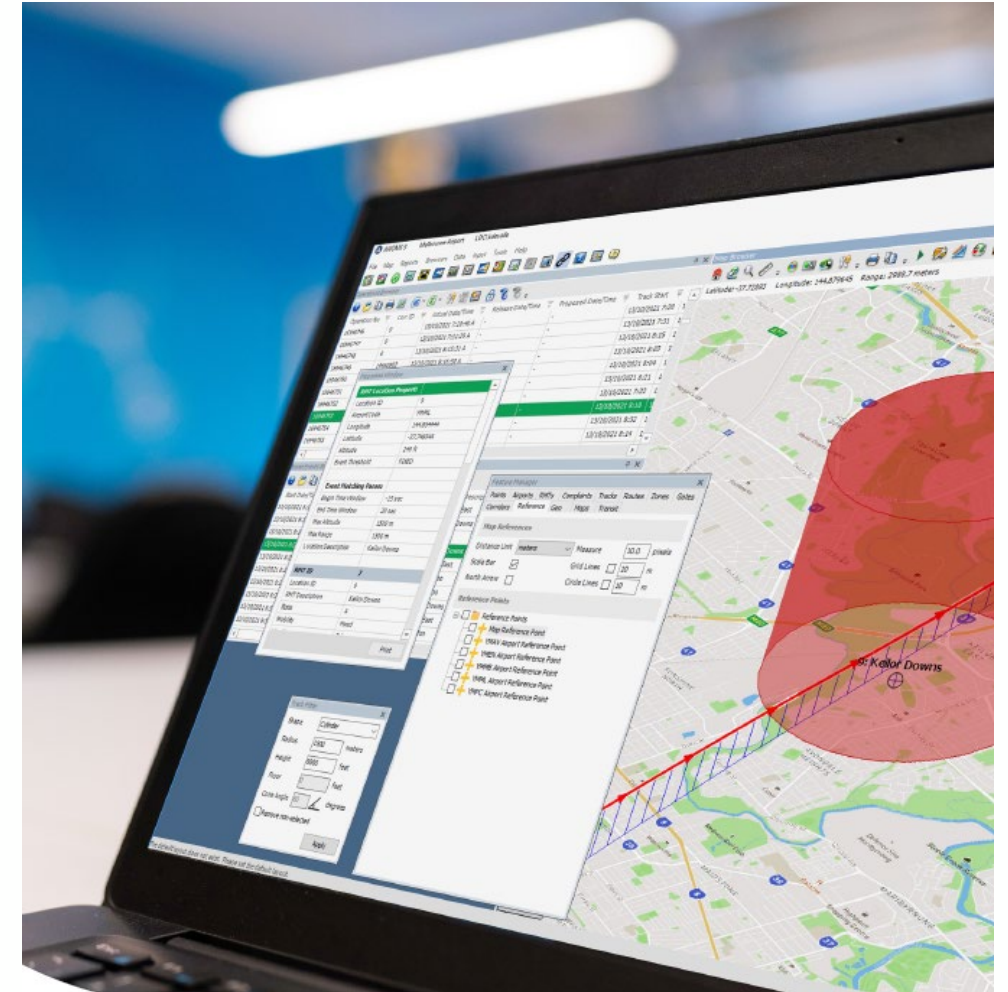


-  Underestimate noise exposure
-  Overestimate noise exposure
-  Maintain community trust
-  Relationship with aircraft operators
-  Overall system credibility



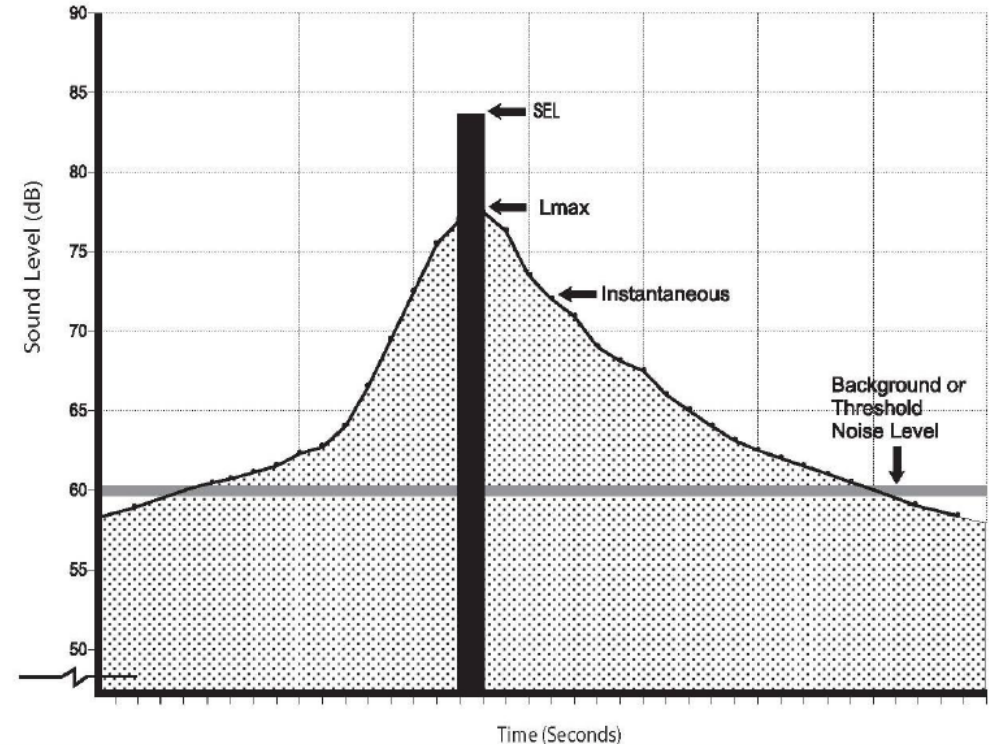
What is ANEEM?

- ANOMS Aircraft Noise Event Extraction Method (ANEEM) provides higher quality data for environmental noise reporting compared to traditional noise threshold-based methods.
- ANEEM detects more aircraft noise events by eliminating events from other sources.
- Standard approaches to noise detection are not effective when the aircraft noise levels are close to the background noise level.
- The fixed threshold method either misses the events completely or greatly overstates aircraft noise being set too high or low.
- ANOMS ANEEM solves this challenge by providing an accurate measure of the contribution of aircraft to the noise communities experience.



ANEEM Benefits

- Eliminates manual threshold setting and extraction of aircraft events from other noise events.
- Provides high-quality, defensible assessment of community exposure to aircraft noise.
- Proven to be more precise than traditional approach.
- In use at several airports in US including SFO, IAD, DCA, DEN, and LHR

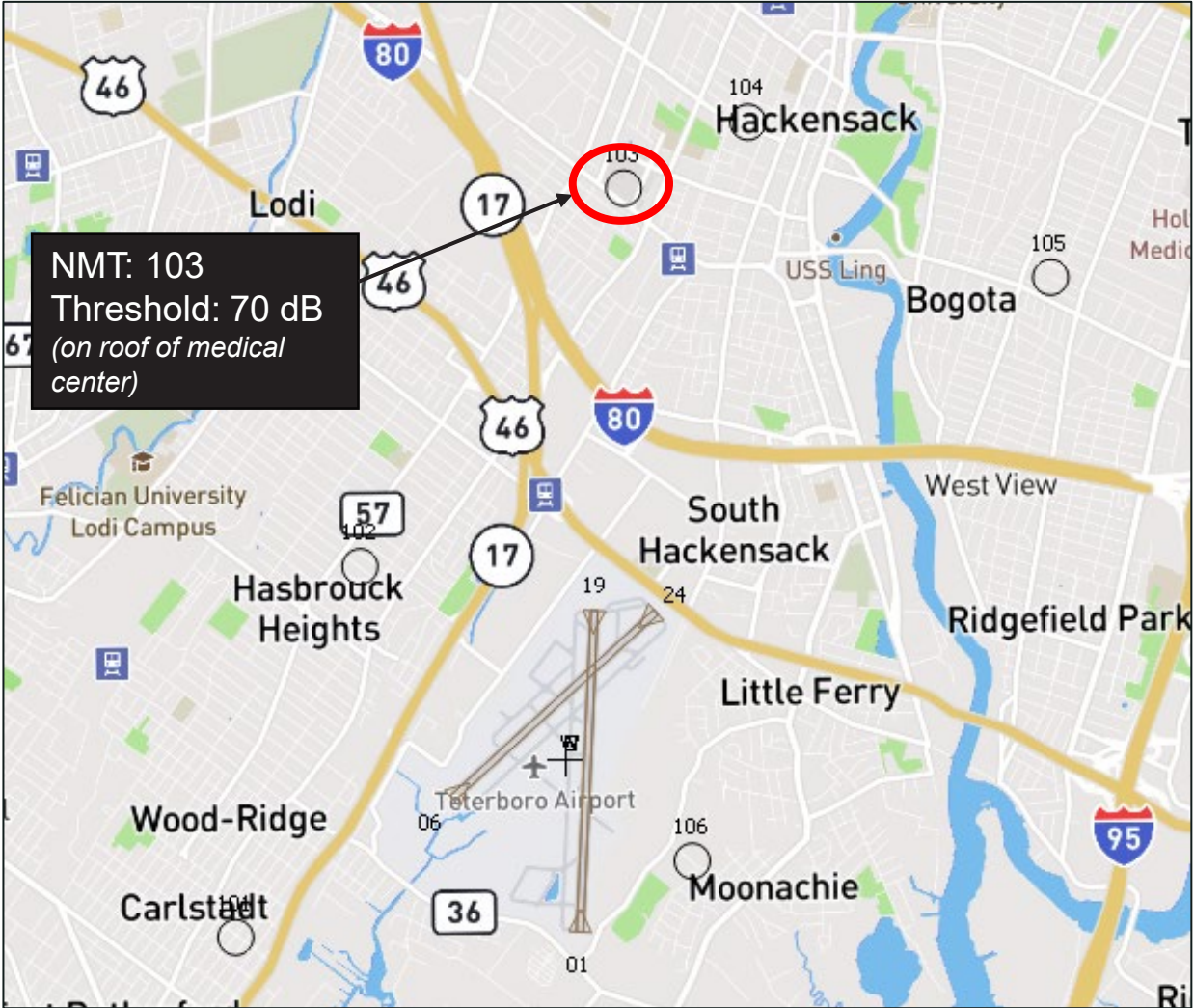


NMT Test Case – Site 103

- Hackensack University Medical Center (Rooftop location)

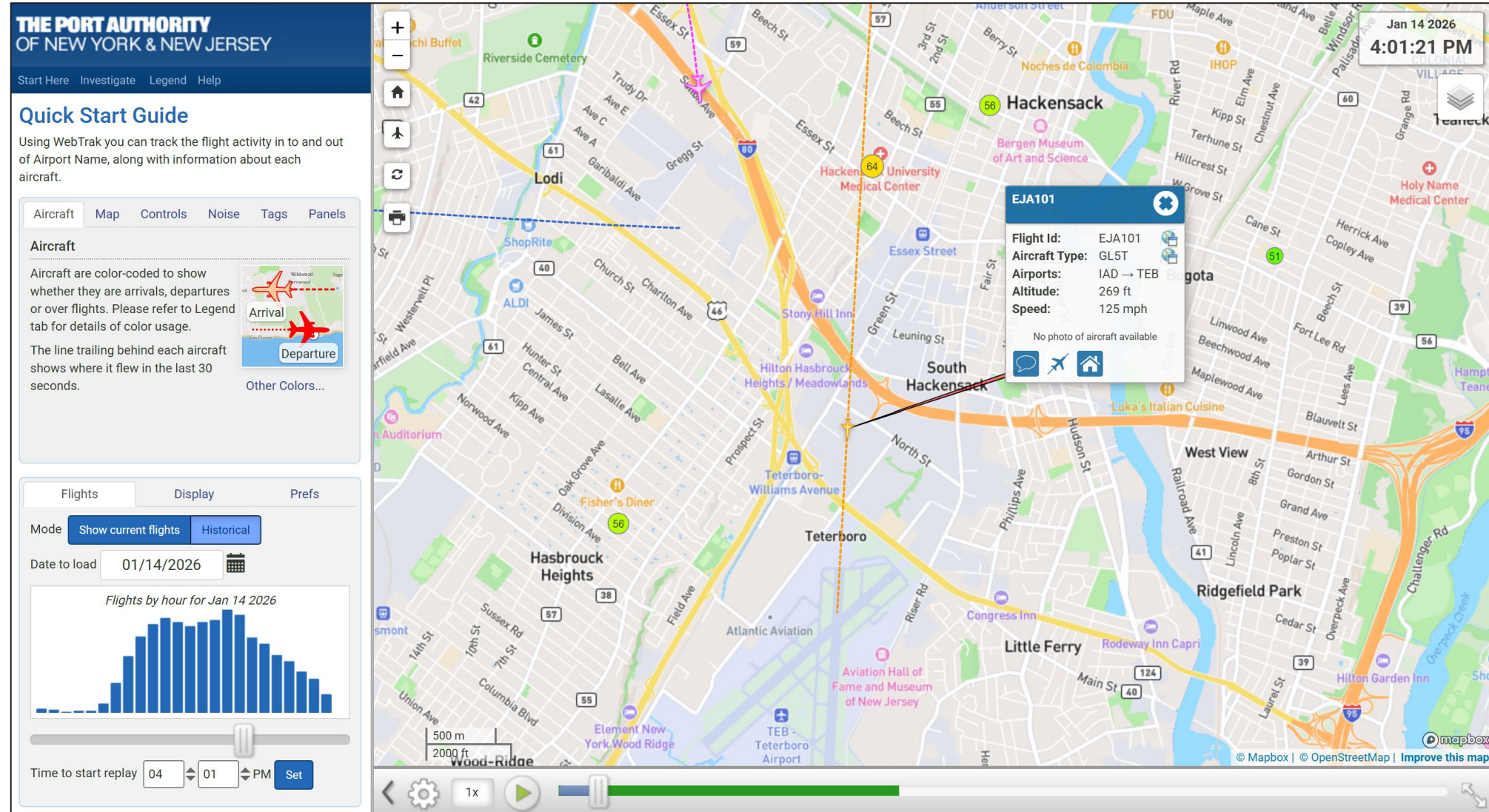
Data Comparison for October 2025

Correlated Noise Events		Monthly DNL Value	
Existing	New (ANEEM)	Existing	New (ANEEM)
3,895	2,359	60.8	58.5



NMT Test Case – Site 103

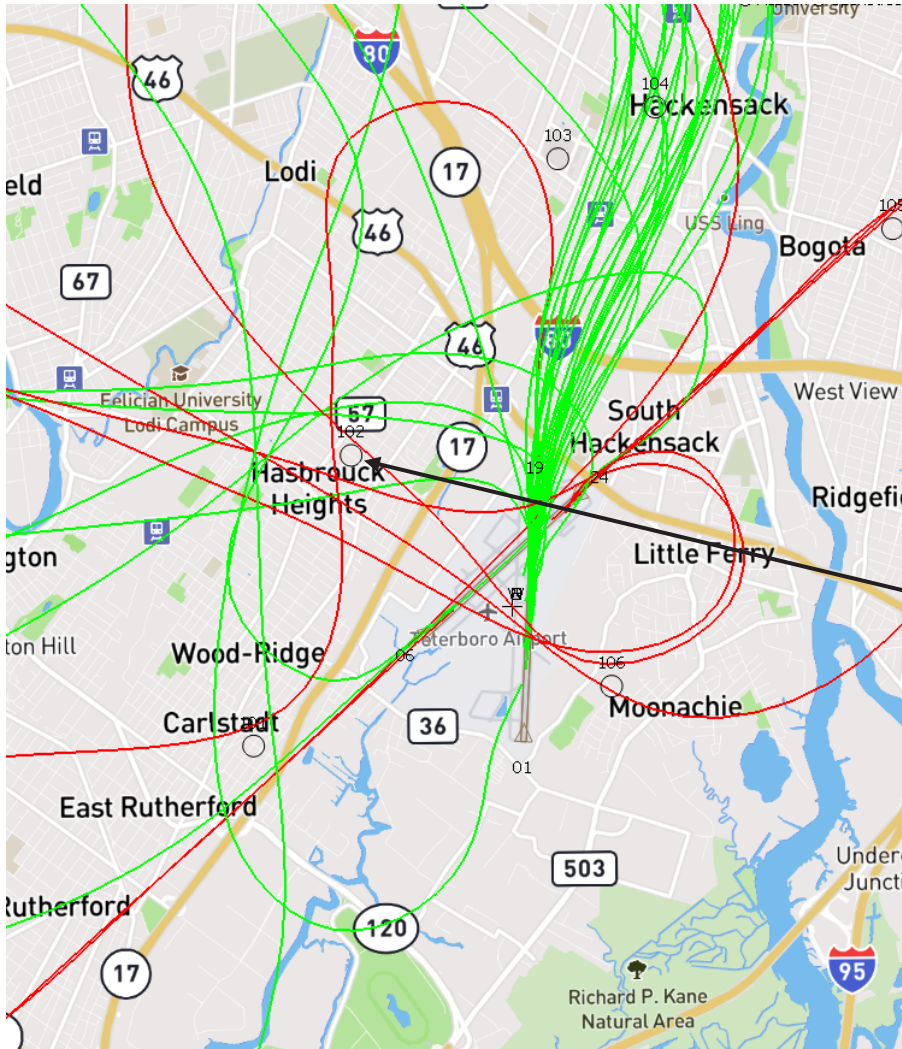
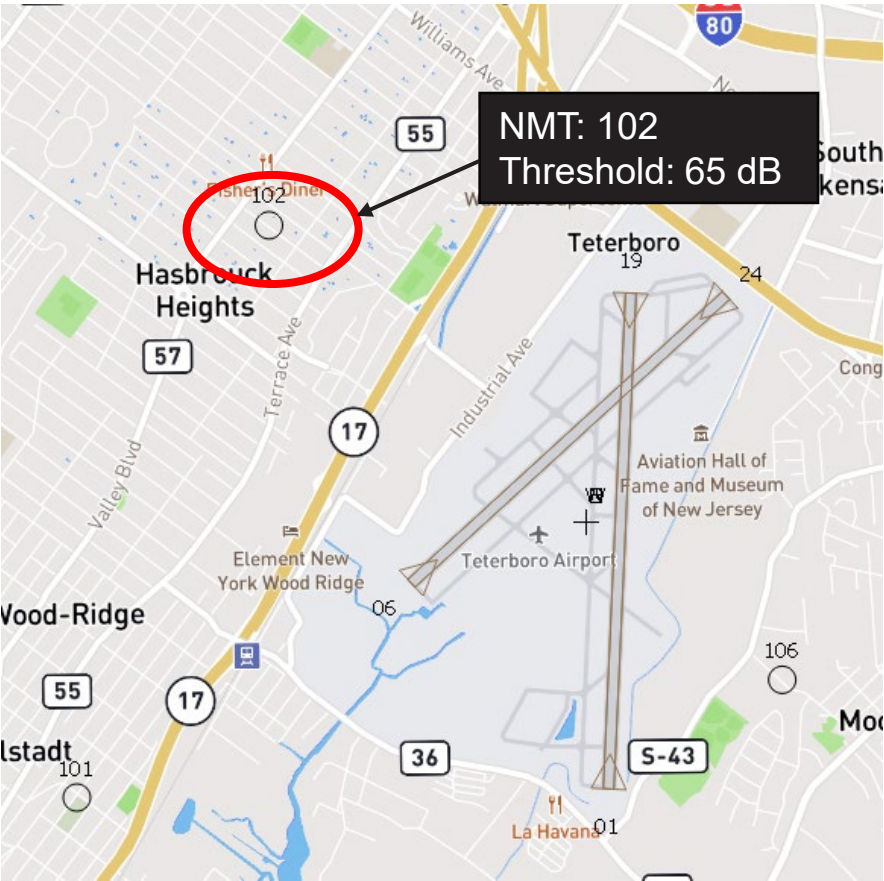
- Hackensack University Medical Center (Rooftop location)



NMT Test Case – Site 102

- Hamilton Ave. Hasbrouck Heights (streetside location)
- Data Comparison for October 2025

Noise Events		Monthly DNL Value	
Existing	New (ANEEM)	Existing	New (ANEEM)
41	2,108	37.1	45.1



NMT Location
RWY 01 Dep
RWY 06 Dep
RWY 06 Arr
RWY 19 Dep
RWY 19 Arr
RWY 24 Dep
* Image is for existing system

No. of Captured Noise Events

	01 Dep/Arr	19 Dep	19 Arr	06 Dep	06 Arr	24 Arr/Dep
Existing	21	1	2	1	1	3
ANEEM	104	20	192	180	119	1,484

NMT Test Case

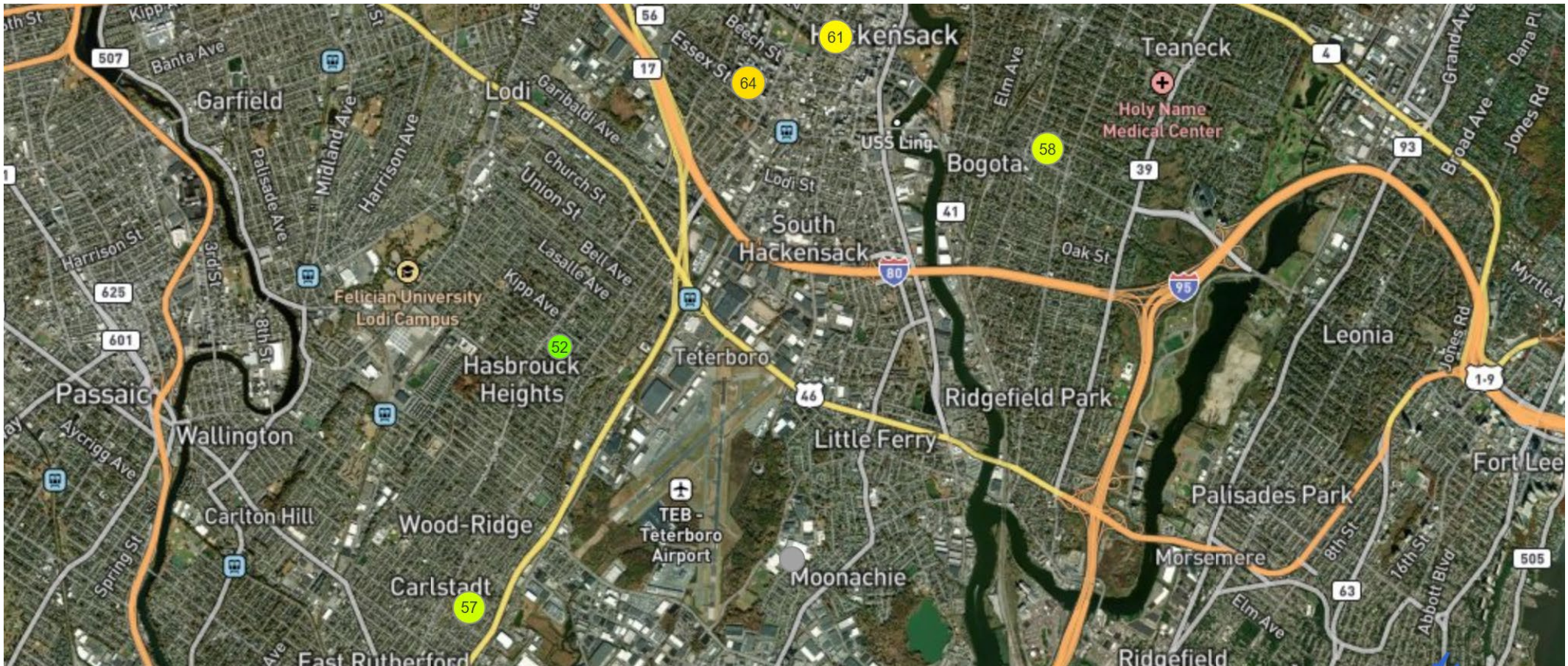


Data Comparison for few sites as Example (July 2025)

Site ID	Correlated Noise Events		Monthly DNL Value	
	Existing	New (ANEEM)	Existing	New (ANEEM)
101 – Carlstadt	5,037	5,602	57.43	57.31
102 – Has. Heights	15	738	30.93	39.89
103 – Hackensack HUMC	4,008	2,719	61.59	59.32
104 - Hackensack	579	2,932	46.62	48.87
105 - Bogota	613	1,470	47.40	47.91
106 - Moonachie	828	3,865	51.01	52.01

- Summary:
 - For most sites, monthly DNL value would be very close i.e. within +/- 2 dB
 - Sites located in areas with either high background noise or very quiet conditions (or fluctuations in background noise throughout the day) may experience more significant differences
- Next Steps:
 - Continue testing for few more months; start reporting ANEEM data from January 2026 in the monthly DNL reports (*data will be replaced with ANEEM generated data*)

Thank You!





Full Year 2025 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

Airport Activity Report

Full Year 2025

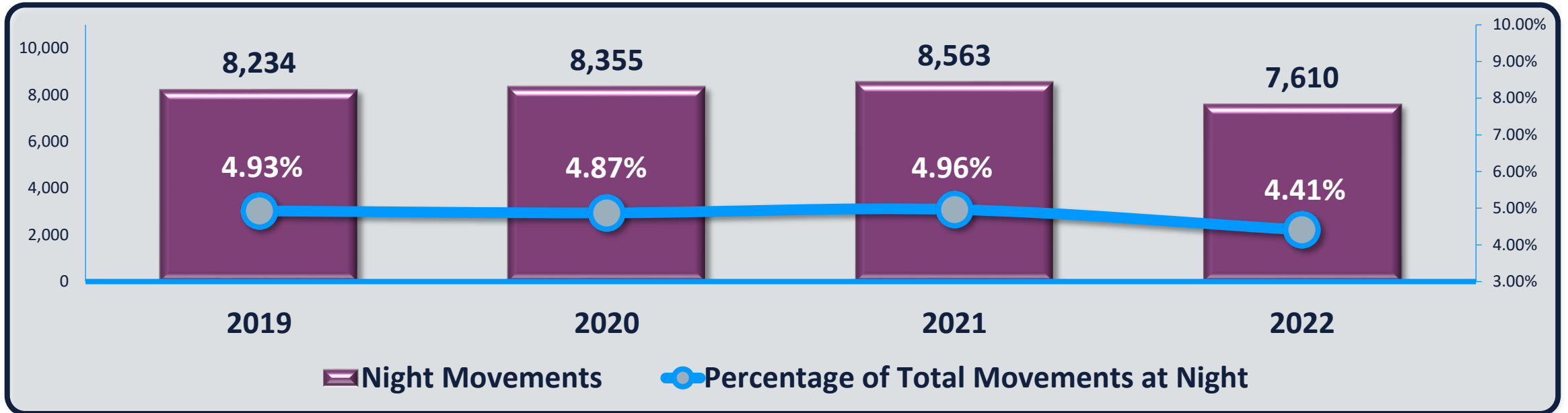


Movements	2021	2022	2023	2024	2025	2021/2022	2022/2023	2023/2024	2024/2025
Props	4,942	4,911	5,029	4,407	3,279	-0.63%	2.40%	-12.37%	-25.60%
Turbo-Props	11,418	13,414	13,252	12,936	12,405	17.48%	-1.21%	-2.38%	-4.10%
Helicopters	4,302	5,190	5,930	5,936	5,458	20.64%	14.26%	0.10%	-8.05%
Jets	122,831	143,081	146,649	148,720	150,928	16.49%	2.49%	1.41%	1.48%
Totals:	143,975	167,137	171,460	172,499	172,628	16.09%	2.59%	0.61%	0.07%

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

Airport Activity Report

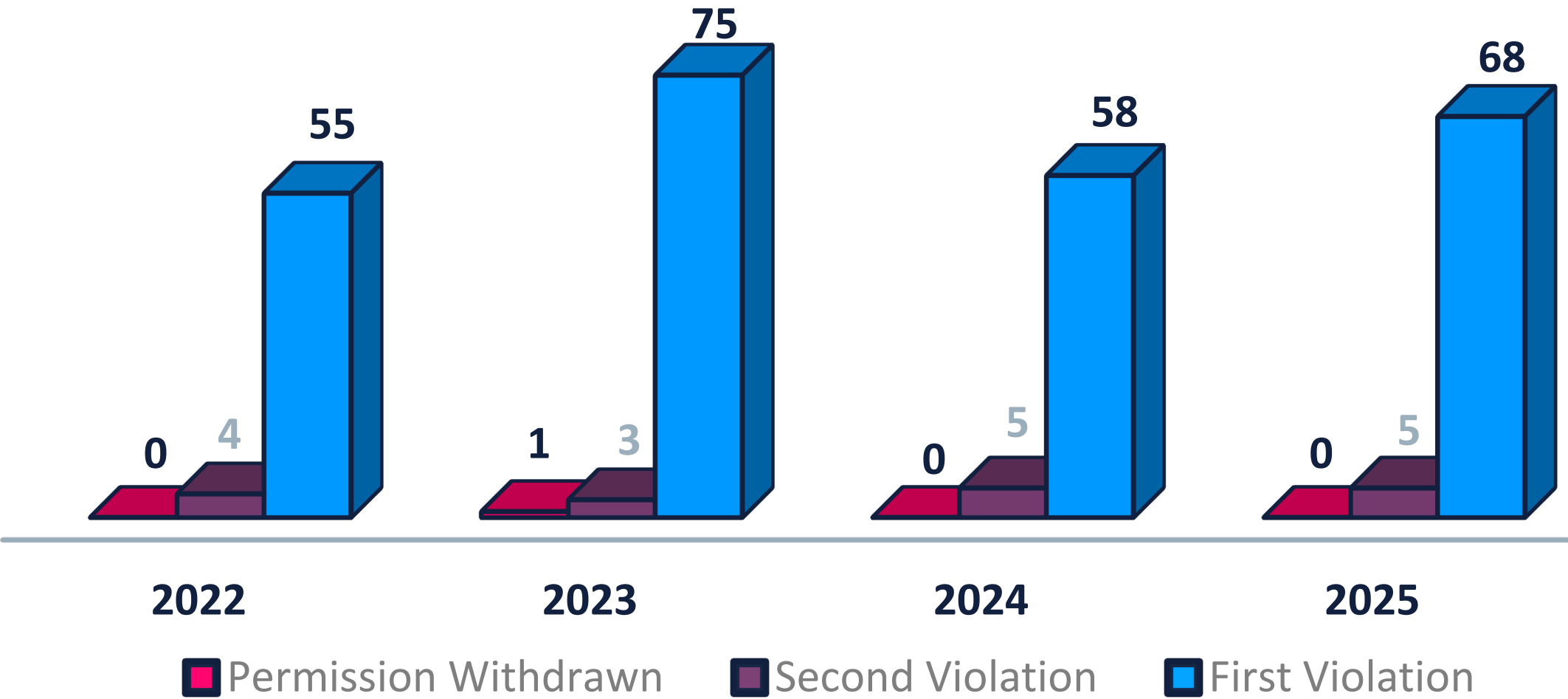
Full Year 2025 (11:00p.m. – 6:00a.m.)



Year	Nighttime Aircraft Movements	Total Aircraft Movements	% of Total Movements at Night
2022	8,234	167,137	4.93%
2023	8,355	171,460	4.87%
2024	8,563	172,499	4.96%
2025	7,610	172,628	4.41%

Noise Violations

Full Year 2025



DNL(A)

Full Year 2025

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

RMS 102

Hamilton St.-Hasbrouck Hts.

2024	35.6
2025	34.7
2024/2025:	-0.9

RMS 101

7th & Berry-Carlstadt

2024	57.6
2025	57.6
2024/2025:	-0.0

RMS 103

Prospect Ave.-Hackensack

2024	63.2
2025	60.4
2024/2025:	-2.8

RMS 104

Park St.-Hackensack

2024	51.4
2025	50.4
2024/2025:	-1.0

RMS 105

Bogota High School-Bogota

2024	50.8
2025	50.2
2024/2025:	-0.6

RMS 106

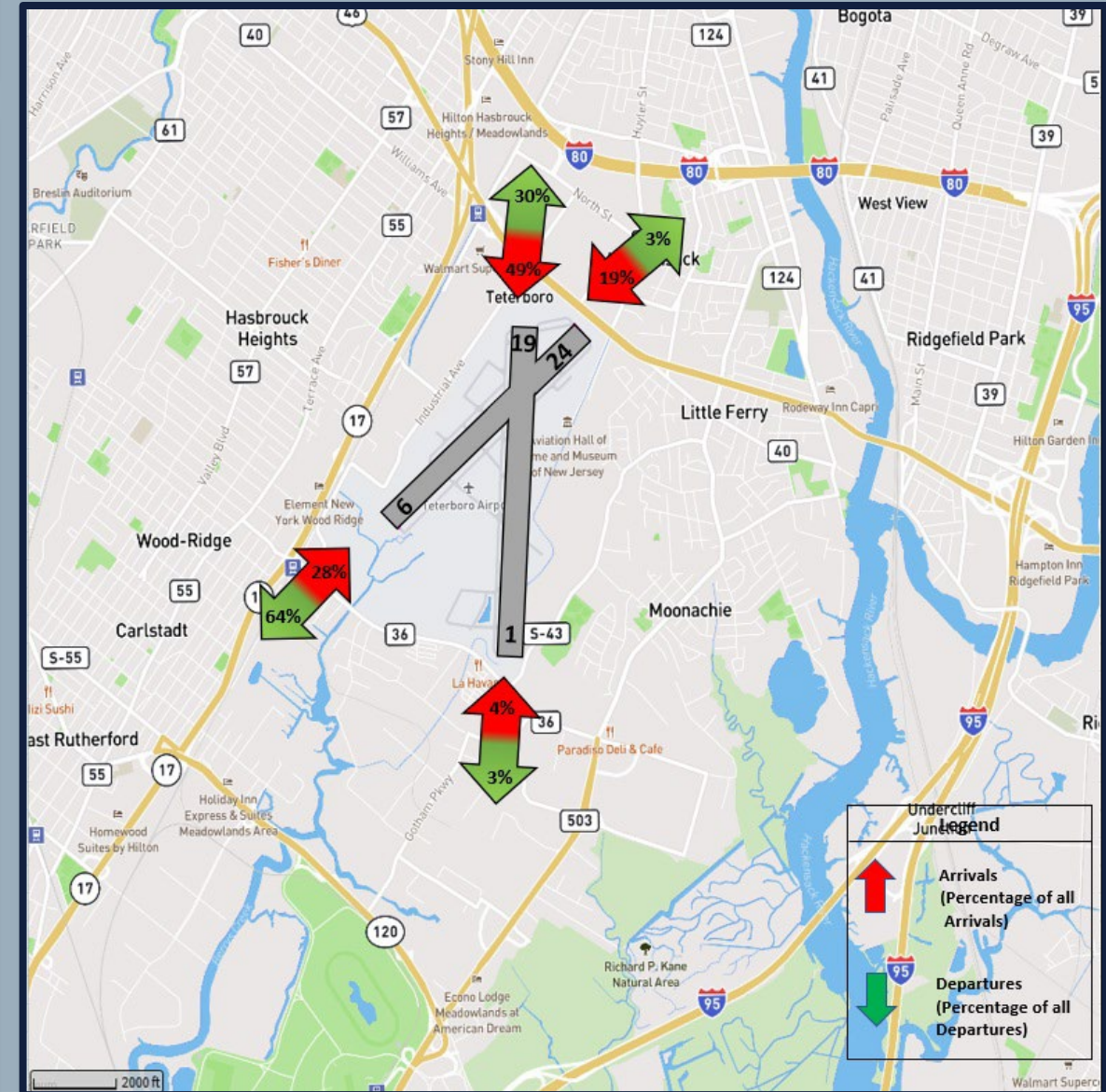
Joseph St.-Moonachie

2024	49.9
2025	50.9
2024/2025:	+1.0

Runway Utilization

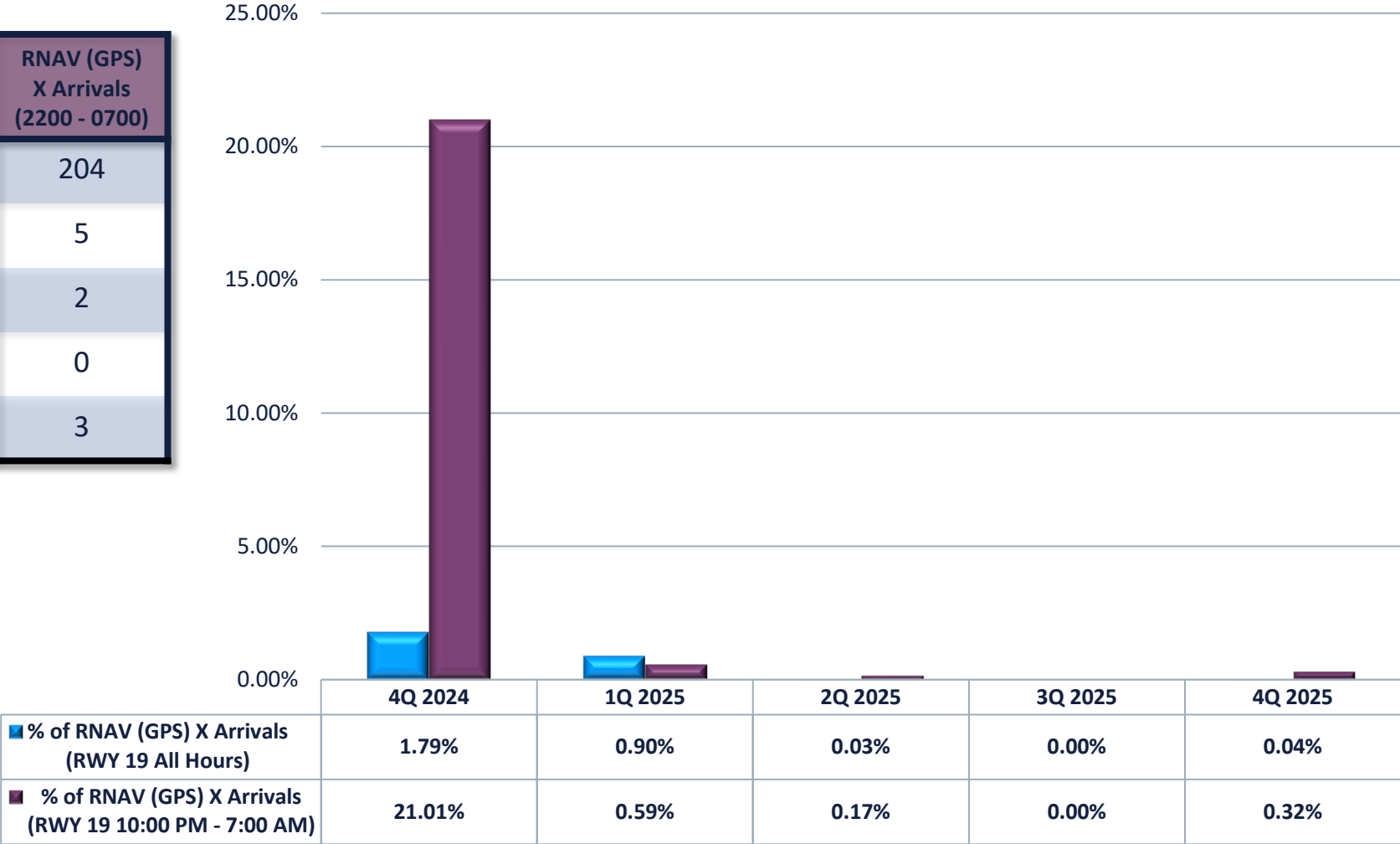
Full Year 2025

		Arrivals		Departures	
Runways	1	3,736	4.47%	25,340	30.29%
	19	40,737	48.75%	2,460	2.94%
	6	23,076	27.62%	2,388	2.85%
	24	16,010	19.16%	53,479	63.92%
		83,559		83,667	
Helicopter Routes	N	131	4.94%	131	4.89%
	E	374	14.11%	285	10.64%
	S	1,999	75.41%	2,131	79.54%
	W	147	5.55%	132	4.93%
		2,651		2,679	



RNAV (GPS) X Runway 19 Offset Approach Utilization

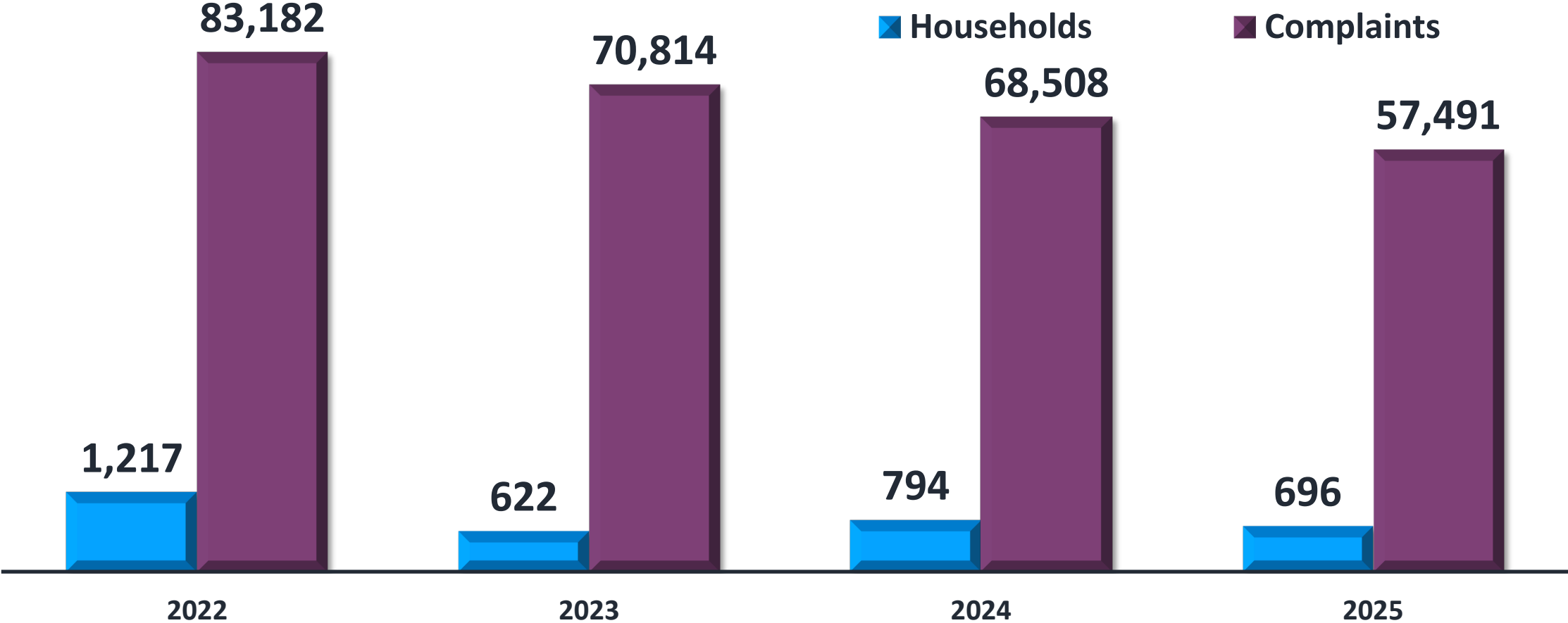
Quarter Year	RWY 19 Arrivals (All Hours)	RNAV (GPS) X Arrivals (All Hours)	RWY 19 Arrivals (2200 - 0700)	RNAV (GPS) X Arrivals (2200 - 0700)
4Q 2024	11.637	208	971	204
1Q 2025	8.122	73	844	5
2Q 2025	10,147	3	1,176	2
3Q 2025	11,051	0	1,162	0
4Q 2025	10,140	4	940	3



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

Noise Complaints

Full Year 2025

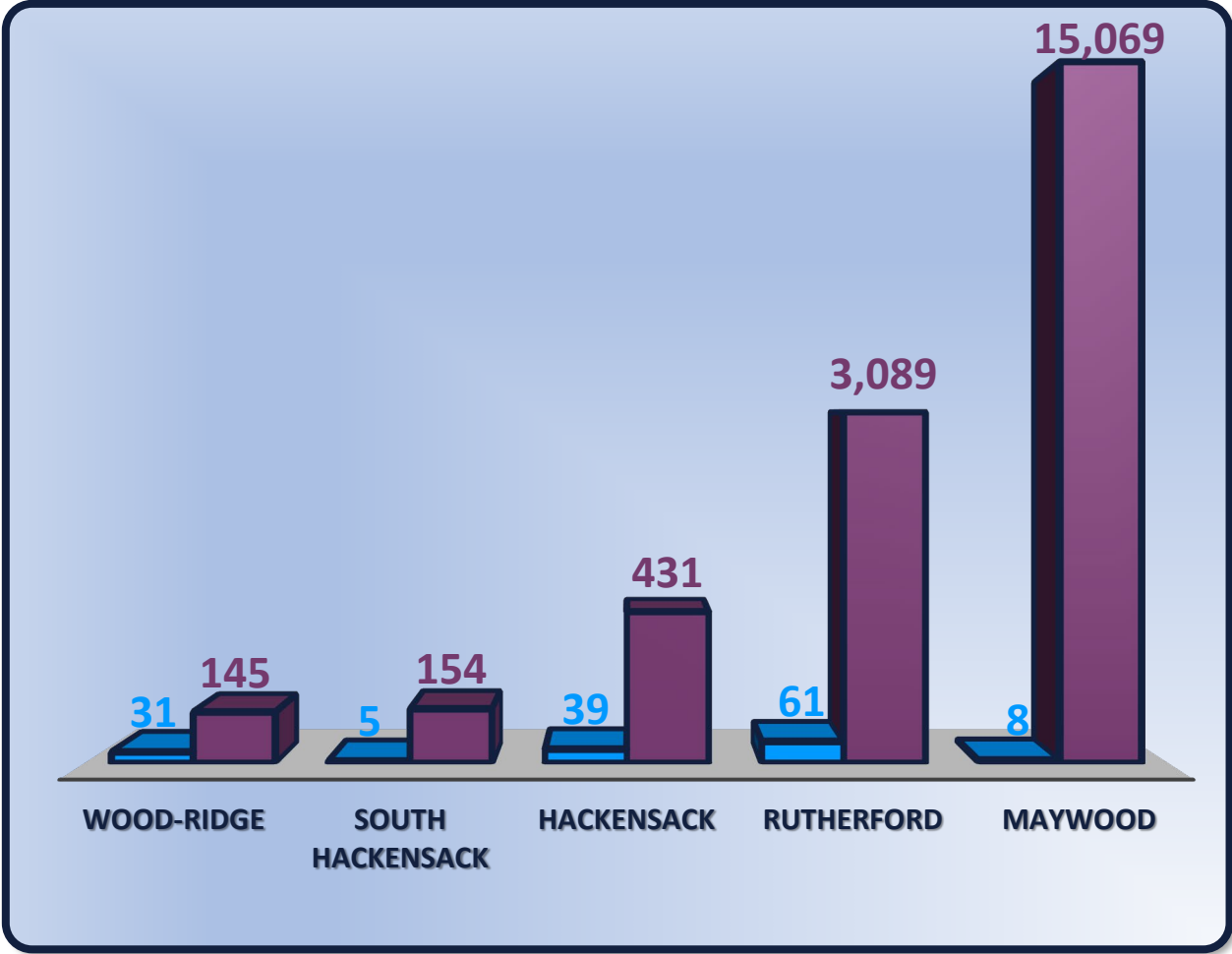


■ Third Party Applications Logged 26,148 Complaints from 19 Callers During 2025.

Noise Complaints: TANAAC Members

Full Year 2025

Rochelle Park	0	0	Moonachie	13	30
Teterboro	0	0	Little Ferry	16	42
Secaucus	1	1	Carlstadt	27	59
East Rutherford	3	5	Wood-Ridge	31	145
Ridgefield Park	2	6	South Hackensack	5	154
Hasbrouck Heights	8	14	Hackensack	39	431
Teaneck	5	18	Rutherford	61	3,089
Bogota	11	19	Maywood	8	15,069



 Households

 Complaints

Noise Complaints: Non-TANAAC Full Year - 2025

Allendale	1	1	Flemington	1	1	Montclair	7	18	River Vale	11	103
Alpine	1	3	Florham Park	1	1	Montvale	7	286	Roosevelt	1	170
Basking Ridge	1	1	Franklin Lakes	1	1	Morristown	7	4,038	Rumson	1	1
Bayside	1	2	Glen Ridge	1	1	New Providence	2	7	Saddle Brook	19	277
Belleville	2	14	Green Brook	6	65	New Rochelle	1	1	Scotch Plains	1	1
Bergenfield	1	3	Harrington Park	3	12	Newark	16	16,479	South Orange	6	38
Bloomfield	7	23	Hawthorne	3	63	Newton	1	2	South Salem	4	22
Branchburg	2	3,121	Hewitt	3	391	North Bergen	4	35	Sparta	1	4
Cedar Grove	1	1	Hillsborough	1	2	North Haledon	2	5	Stanhope	5	343
Chatham	2	7	Hillsdale	19	62	North Plainfield	1	1	Tenafly	12	6,921
Clifton	2	14	Ho-Ho-Kus	1	1	Norwood	7	30	Washington Township	26	112
Closter	12	17	Kearny	1	1	Nutley	8	44	Upper Saddle River	20	2,077
Cresskill	13	1,109	Kinnelon	1	1	Oak Ridge	1	2	Waldwick	1	5
Demarest	8	16	Lake Hopatcong	2	2	Oakland	1	1	Watchung	1	1
Dumont	1	1	Livingston	2	25	Oradell	4	11	Wayne	3	7
Elmwood Park	1	6	Lodi	1	1	Palisades Park	5	8	West Orange	3	45
Emerson	11	808	Lyndhurst	8	86	Paramus	14	131	Westwood	9	16
Englewood	2	2	Madison	1	1	Park Ridge	59	452	Whitehouse Station	1	1
Englewood Cliffs	1	1	Mahwah	35	487	Ramsey	2	8	Woodcliff Lake	20	312
Fair Lawn	4	9	Maplewood	1	1	Randolph	1	3	Wyckoff	2	23
Fairfield	1	1	Midland Park	1	1	Ridgefield	1	2			



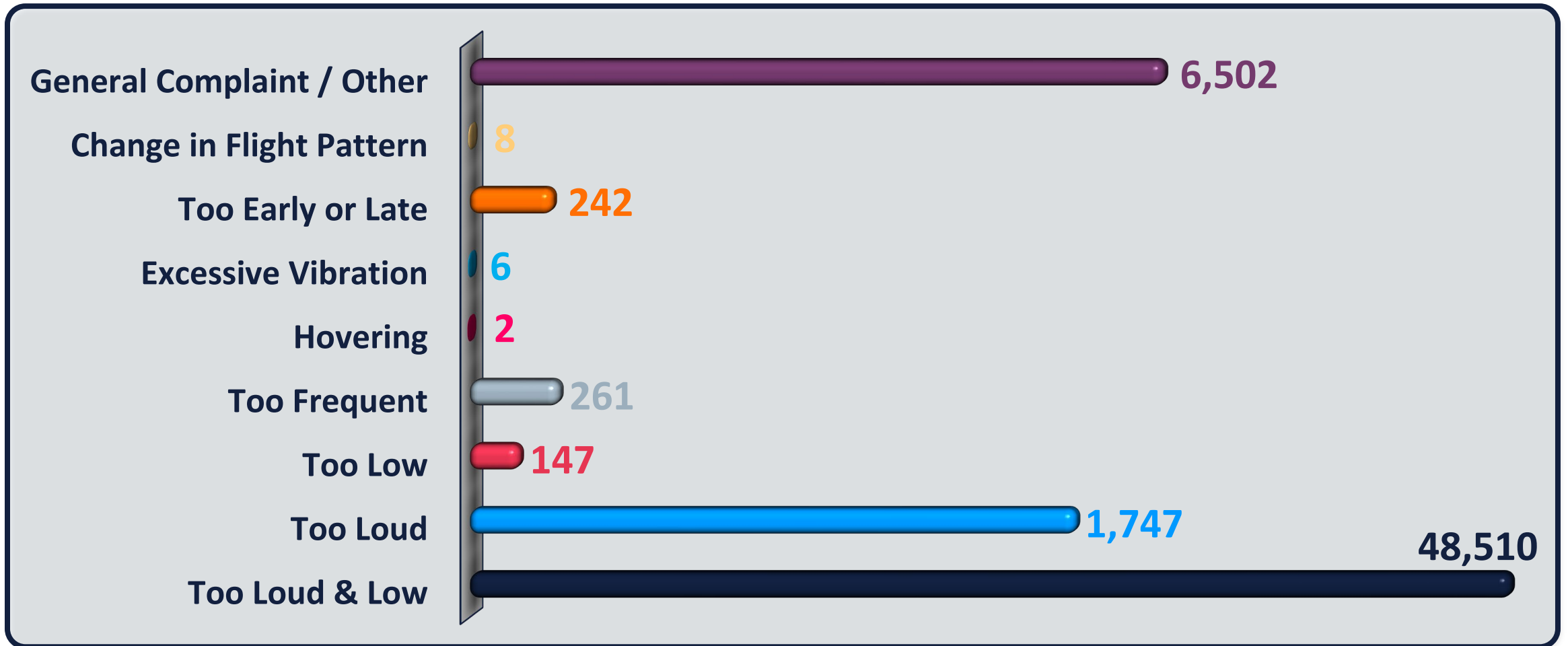
Complaints



Households

Noise Complaints: Nature of Disturbance

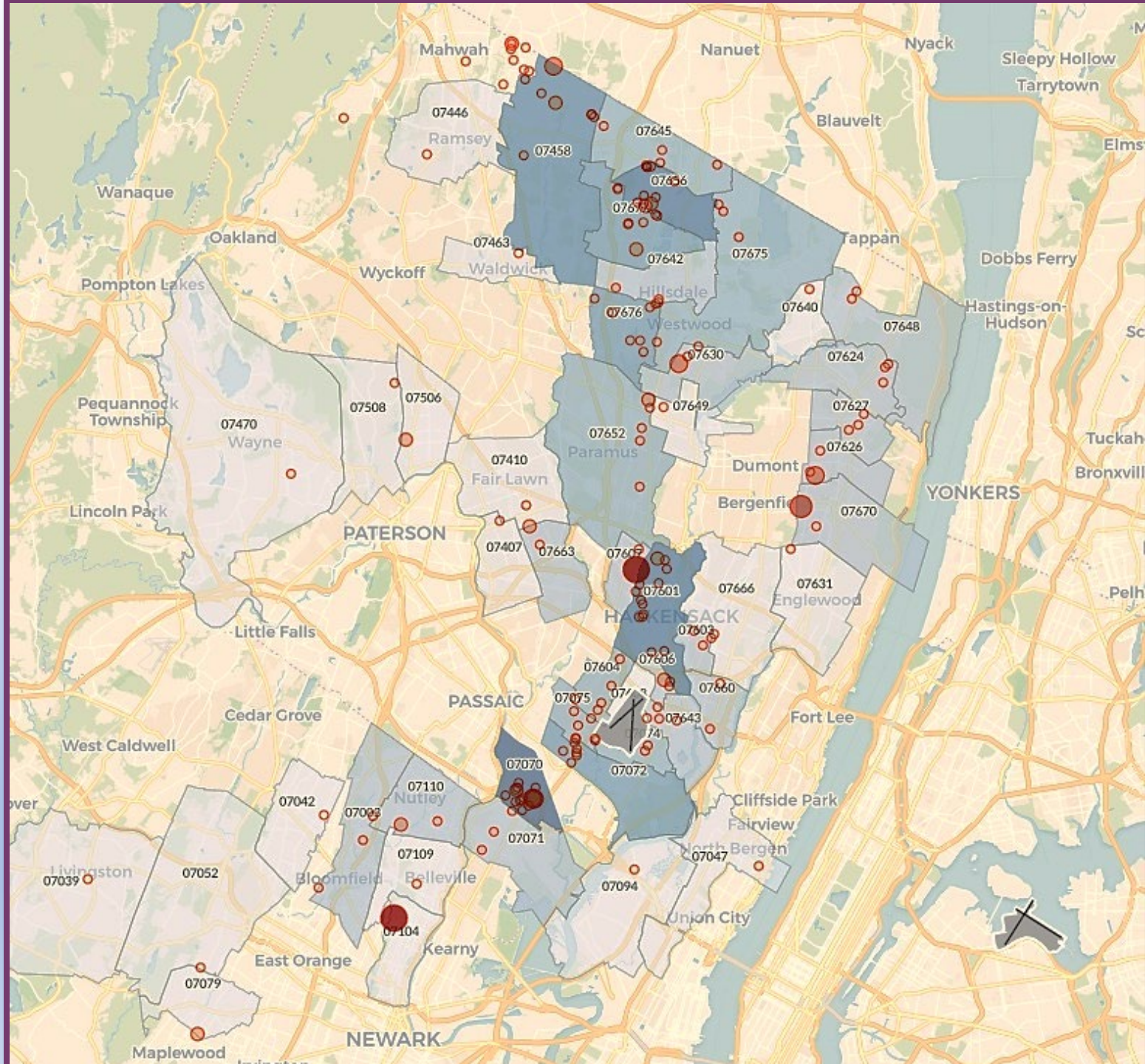
Full Year 2025



KTEB Q4 2025

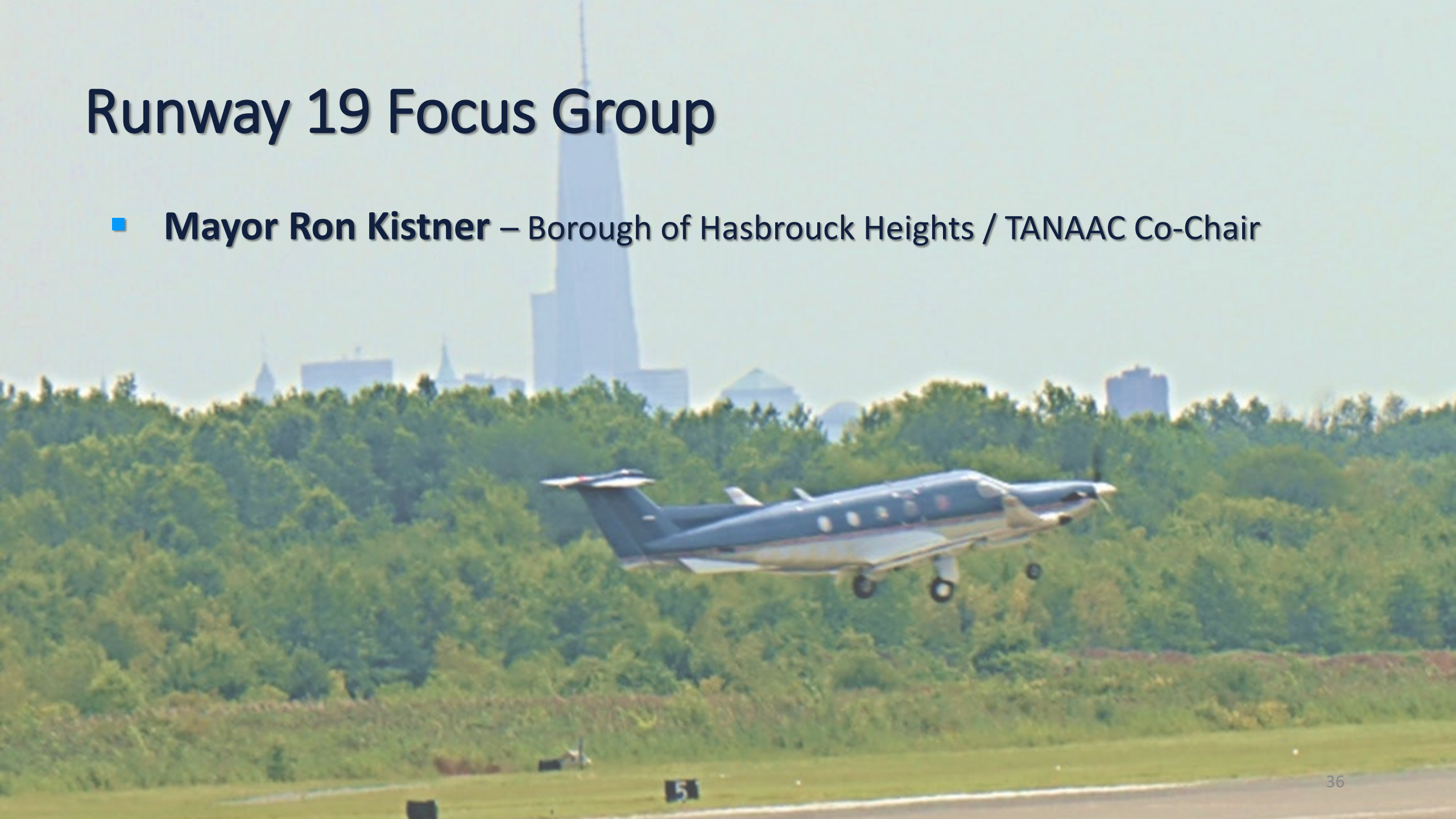
4.1k
2.0k
693
91
27

AVG: 79.5



Runway 19 Focus Group

- **Mayor Ron Kistner** – Borough of Hasbrouck Heights / TANAAC Co-Chair



Community Open Forum

Introduction

- The Teterboro Airport Noise Office will soon begin hosting an Open Forum meeting for area residents
- The Open Forum will be held as a virtual meeting on a recurring basis throughout the year beginning in the First Quarter of 2026
- Meetings will include:
 - In-depth presentations on aircraft flight operations and aviation noise topics
 - Airport activity updates and statistical data reports
 - An expanded open discussion session for residents to provide comments, voice concerns and ask questions

Committee Member Comments / Questions



General Discussion / Questions



Thank you for your Attendance



**THE NEXT TANAAC MEETING IS SCHEDULED
FOR APRIL 15, 2026**