

Teterboro Aircraft Noise Abatement Advisory Committee

1st Quarter 2023 Meeting

April 26, 2023

Teterboro

<u>Aircraft</u>

Noise

<u>A</u>batement

Advisory

Committee

Mission Statement:

TANAAC shall make recommendations that will enhance the quality of life for the residents living within the Airport Traffic Area, (approximately five-mile radius of the airport). Recommendations should focus on areas that would result in aircraft, utilizing Teterboro Airport, to operate in the quietest and most environmentally friendly manner technically possible.

TANAAC Membership

 Membership is open to locally elected officials representing the interests of the population that is located within the Airport Traffic Area (approximately five-mile radius of the airport) and selected members of the local aviation community.

Voting Members

Bogota, Bergen County, Carlstadt, East Rutherford, Hackensack, Hasbrouck Heights, Little Ferry, Maywood, Moonachie, Ridgefield Park, Rochelle Park, Rutherford, South Hackensack, Secaucus, Teaneck, Teterboro, and Wood-Ridge.

Non-Voting Members

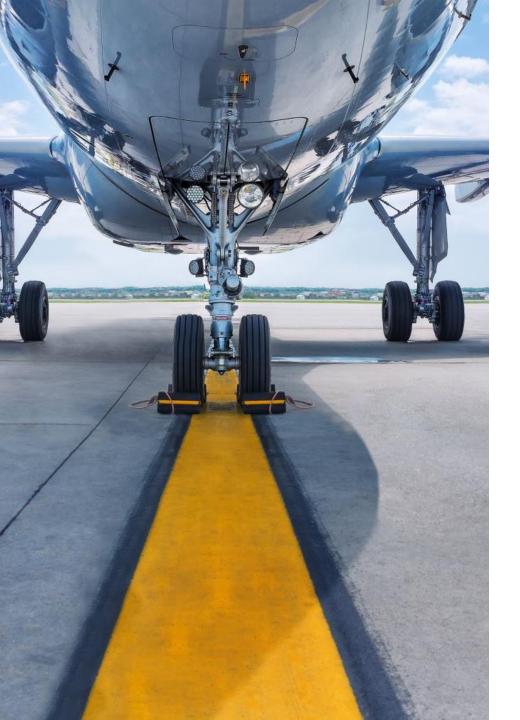
The aviation community is represented by the Airport Manager, the Federal Aviation Administration Teterboro Air Traffic Control Tower Manager, Airport Operator, Airport Owner, Fixed Base Operators, and Heads of Corporate Flight Departments.

TANAAC By-Laws:

https://aircraftnoise.panynj.gov/tanaac-by-laws/

TANAAC Meeting Agenda April 26, 2023

Welcome / Introduction East Rutherford Membership	Paul Griffo – Designated Representative / TANAAC Co-Chair - Borough of Rutherford Maria Sheridan – Manager / TANAAC Co-Chair, Teterboro Airport - Port Authority of NY & NJ		
Operations Update	Scott Marsh - Manager, Operations & Security, Teterboro Airport - Port Authority of NY & NJ		
 Statistical Report 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 Matthew Reese - Specialist, Noise Abatement Office, Teterboro Airport - Avports		
Portable Noise Monitor Report	Gabriel Andino - Manager, Noise Abatement Office, Teterboro Airport - Avports		
TANAAC Co-Chair Nominations	Maria Sheridan – Manager / TANAAC Co-Chair, Teterboro Airport - Port Authority of NY & NJ		
Runways 01 & 06 Alternate Approach Discussion	Paul Griffo – Designated Representative / TANAAC Co-Chair - Borough of Rutherford		
Committee Comments / Questions			
General Discussion / Questions			



TEB Airport Operations Update

 Scott Marsh – Manager, Operations and Security, Teterboro Airport - Port Authority of NY & NJ



Teterboro Aircraft Noise Abatement Advisory Committee

1st Quarter 2023 Statistical Report

Presented by the TEB Noise Abatement Office

Gabriel Andino

Manager

Noise Abatement & Environmental Compliance

Michael Fiscus

Asst. Manager

Noise Abatement & Environmental Compliance

Matthew Reese

Specialist

Noise Abatement & Environmental Compliance



FLIGHT SAFETY INTERNATIONAL PILOT TRAINING FACILITY MOONACHIE, NJ

Cooperative Efforts:

- NetJets
- Executive Jet Management
- Solairus Aviation
- FlexJet

These operators are among the top five operators, accounting for 25% of TEB operations.





Airport Activity Report

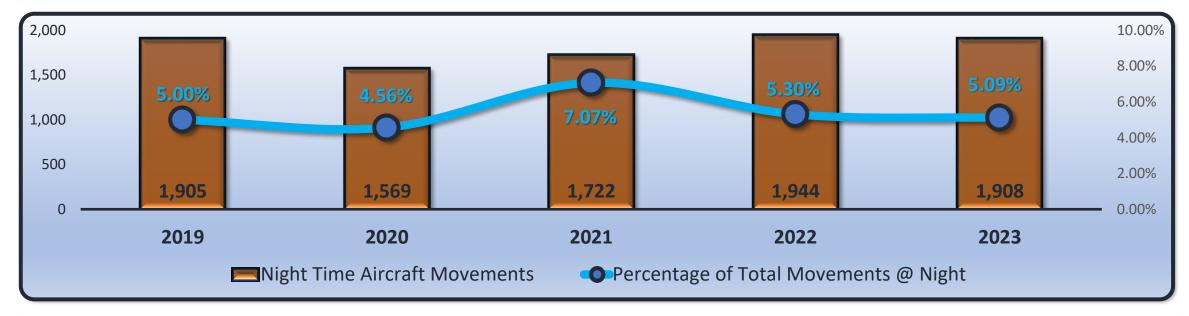
1st Quarter



Movements	2019	2020	2021	2022	2023	2019/2020	2020/2021	2021/2022	2022/2023
Props	738	569	603	796	887	-22.90%	5.98%	32.01%	11.43%
Turbo-Props	2,114	1,765	1,268	2,132	2,185	-16.51%	-28.16%	68.14%	2.49%
Helicopters	1,730	1,258	454	997	1,159	-27.28%	-63.91%	119.60%	16.25%
Jets	33,279	30,667	21,928	32,611	33,052	-7.85%	-28.50%	48.72%	1.35%
Totals:	38,104	34,387	24,370	36,662	37,460	-9.75%	-29.13%	50.44%	2.18%

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

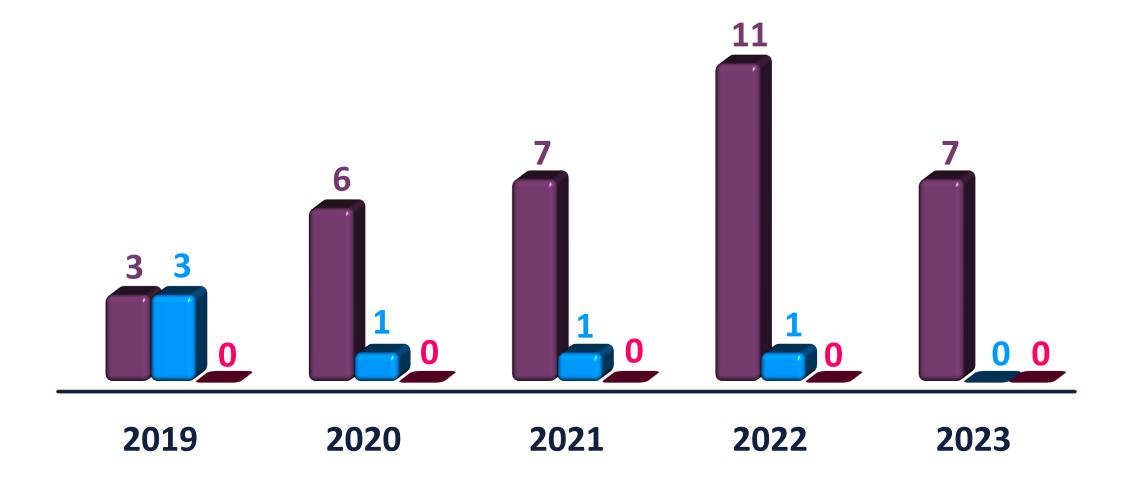
Airport Activity Report 1st Quarter (11:00p.m. – 6:00a.m.)



Year	Nighttime Aircraft Movements	Total Aircraft Movements	% of Total Movements at Night
2019	1,905	38,104	5.00%
2020	1,569	34,387	4.56%
2021	1,722	24,370	7.07%
2022	1,944	36,662	5.30%
2023	1,908	37,460	5.09%

Noise Violations

1st Quarter

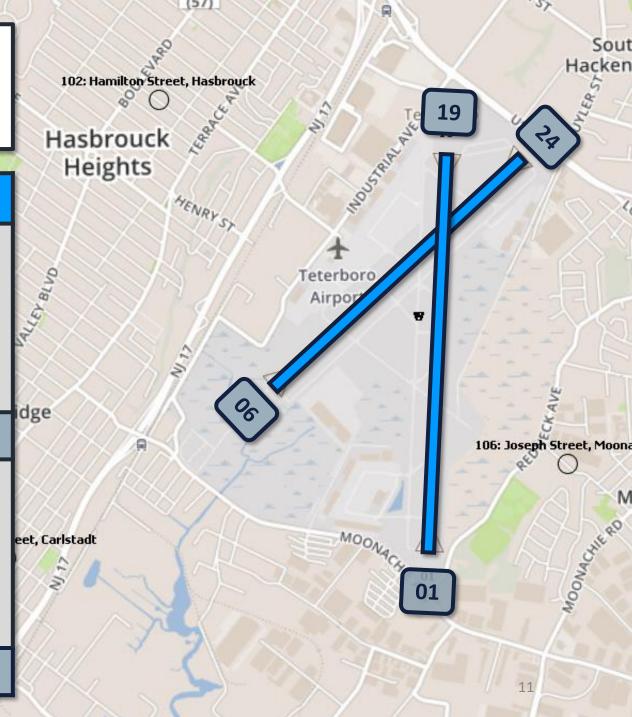


Runway Utilization

1st Quarter

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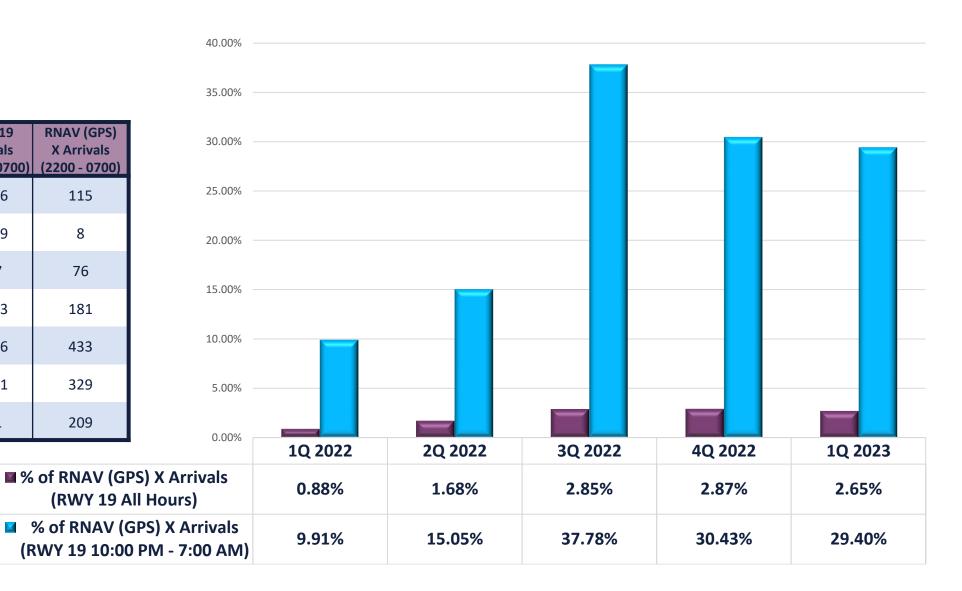
		Arri	vals	Departures		
	1	1,532	8.34%	7,750	43.25%	
vays	19	8,396	45.71%	372	2.08%	
Runways	6	6,214	33.83%	435	2.43%	
	24	2,226	12.12%	9,364	52.25%	
		18,	368	17,921		
utes	N	38	6.50%	34	6.00%	
er Ro	Ε	52	8.89%	49	8.64%	
Helicopter Routes	S	457	78.12%	457	80.60%	
Heli	W	38	6.50%	27	4.76%	
585		35	56	57		

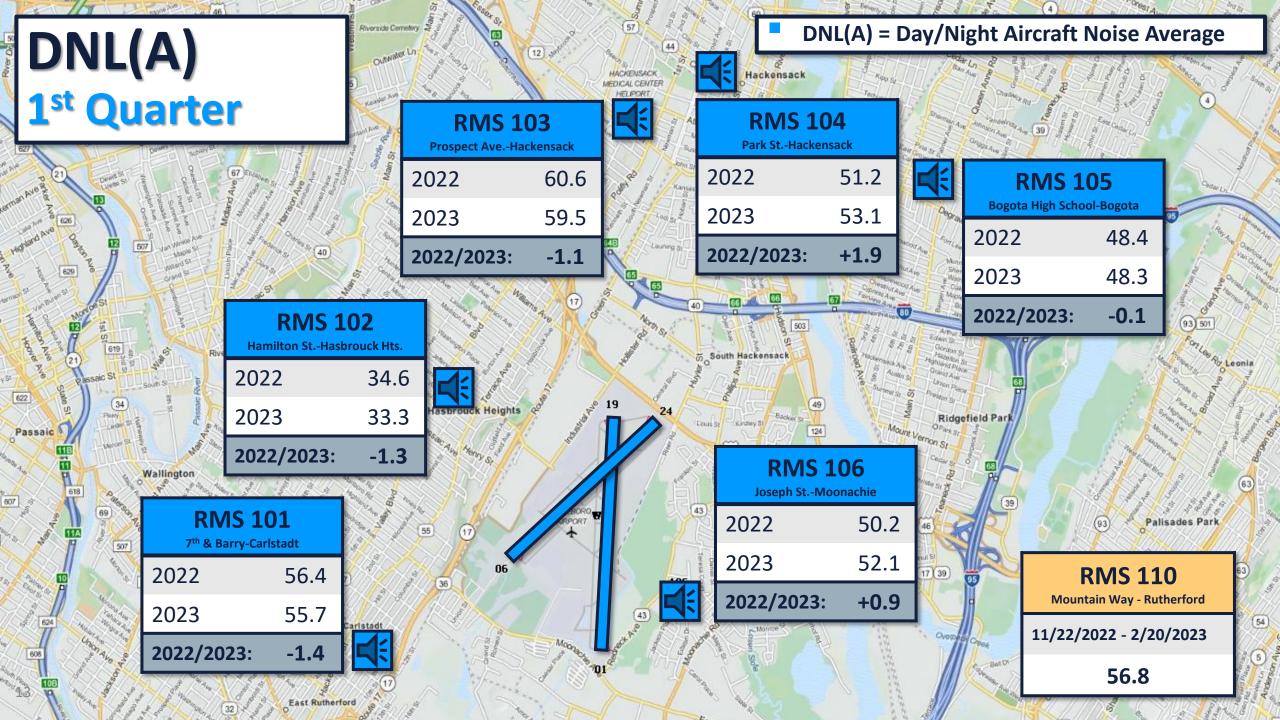


RNAV (GPS) X Runway 19 Offset Approach

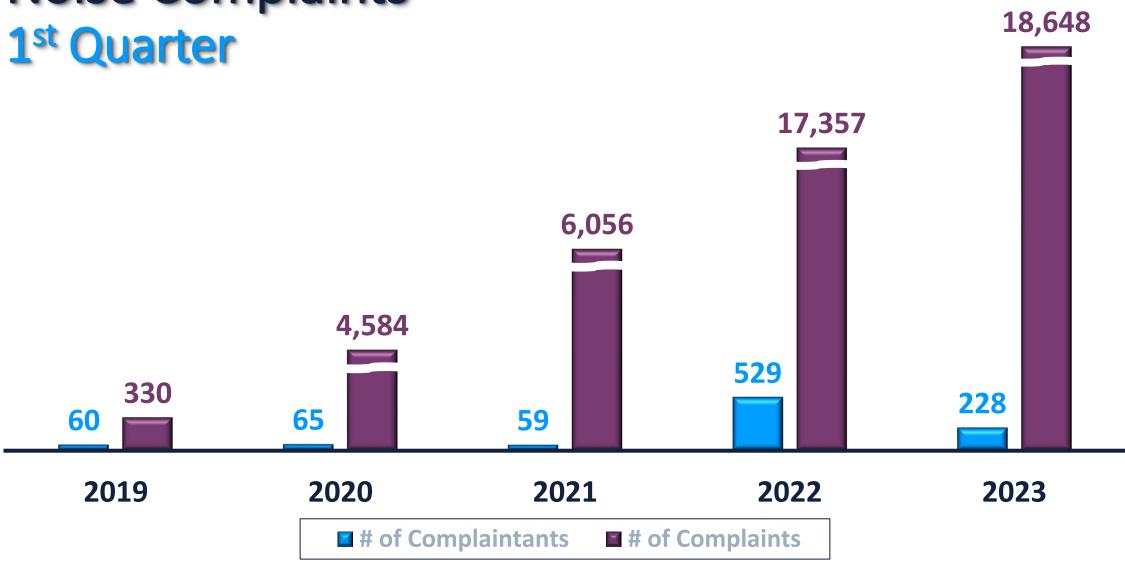
Utilization

Quarter Year	RWY 19 Arrivals (All Hours)	RNAV (GPS) X Arrivals (All Hours)	RWY 19 Arrivals (2200 - 0700)	RNAV (GPS) X Arrivals (2200 - 0700)
3Q 2021	12,734	120	1,216	115
4Q 2021	13,104	21	1,129	8
1Q 2022	8,965	79	767	76
2Q 2022	11,486	193	1,203	181
3Q 2022	11,686	443	1,146	433
4Q 2022	11,612	333	1,081	329
1Q 2023	8,105	215	711	209





Noise Complaints



Third Party Applications Logged 9,128 Complaints from 23 Complainants.

Noise Complaints: TANAAC Members 7,450_ 1st Quarter 1,663 **Rochelle Park** 0 **Bogota Carlstadt** 3 13 Hackensack 26 1,224 0 1,224 **Teterboro** 0 Moonachie **Teaneck** 5 26 **Third Party** 976 Ridgefield Pk. Third Party **Little Ferry** Rutherford 12 1,663 0 0 1 4 35 Hasbrouck Hgts. 2 Third Party 3 34 Maywood 7,450 **Secaucus** 0 4 **Wood-Ridge** S. Hackensack 21 248 **Third Party** 7,447 4 213 35 26 13 3 4





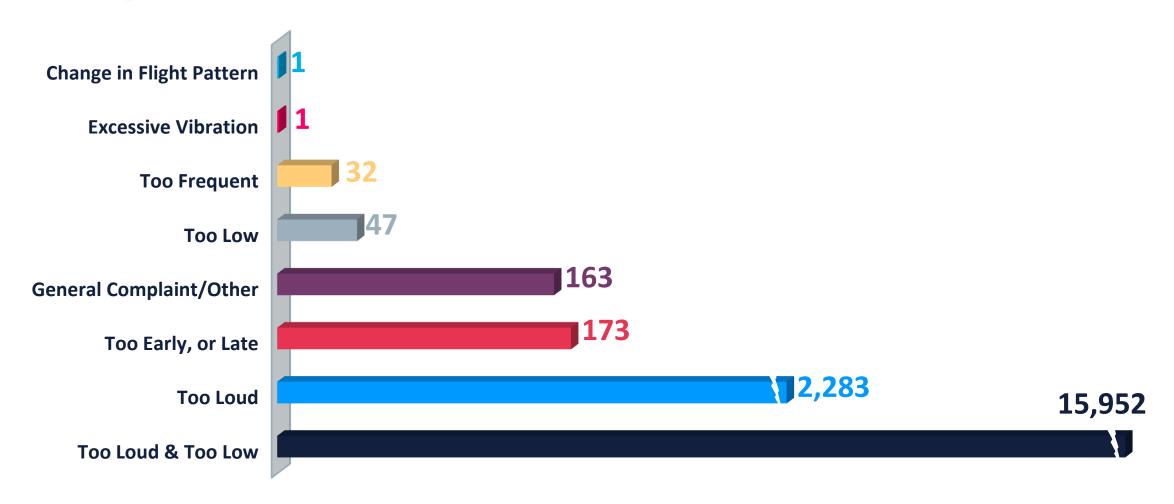
Noise Complaints: Non-TANAAC - 1st Quarter

Allendale	1	1	Hillsdale	3	8	Ramsey	1	1
Alpine	1	1	Huntington	1	2	Ridgefield	1	3
Bergenfield	3	3	Kenilworth	1	1	River Vale	4	28
Bloomfield	2	9	Lyndhurst	6	306	Third Party	1	14
Closter	9	11	Mahwah	12	160	Rockaway	1	73
Cranford	1	1	Montclair	1	1	Saddle River	1	42
Cresskill	4	62	Montvale	8	11	South Salem	1	73
Demarest	15	56	New Milford	1	1	Third Party	1	73
East Rutherford	1	1	New Toronto	1	2	Tenafly	8	500
Emerson	5	162	Newark	7	6,105	Third Party	1	469
Flushing	1	2	Norwood	2	2	Upper Saddle River	10	45
Fort Lee	1	3	Oradell	2	2	Third Party	3	13
Franklin Lakes	1	1	Paramus	1	1	Washington Township	9	36
Third Party	1	1	Third Party	1	1	Westwood	4	27
Green Brook	1	1	Park Ridge	11	106	Woodcliff Lake	10	105
Harrison	1	1	Pearl River	1	1	Third Party	1	77
Third Party	1	1	Purchase	3	34	Wyckoff	3	8
Hewitt	1	27	Third Party	3	34			

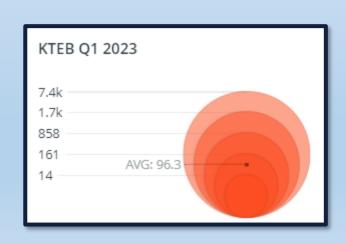


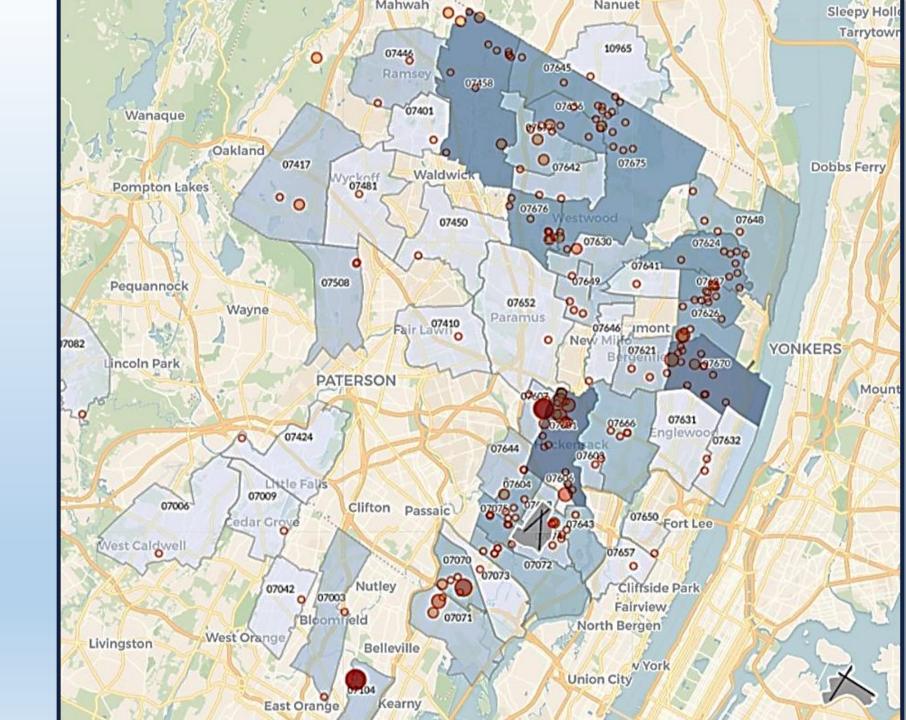


Noise Complaints: Nature of Disturbance 1st Quarter



Regional Complaints 1st Quarter







Portable Noise Monitor Report

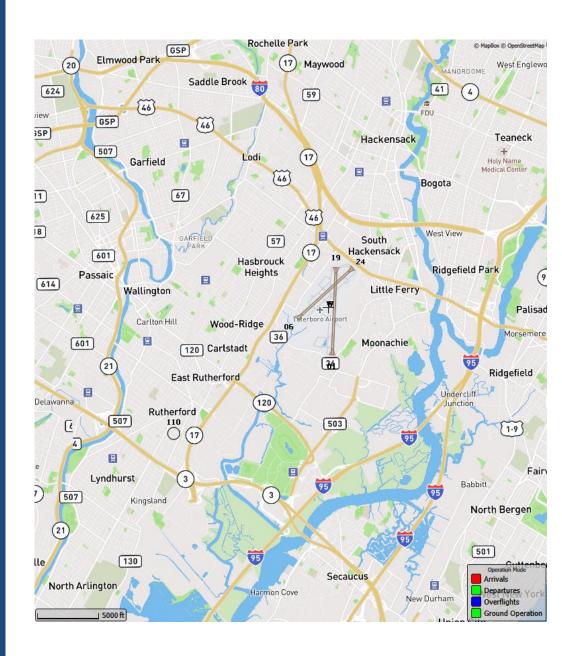
 Gabriel Andino – Manager, Noise Abatement Office, Teterboro Airport -Avports

TETERBORO AIRPORT PORTABLE NOISE MONITORING REPORTS

Remote Monitoring Site 110
172 Mountain Way, Rutherford, NJ
November 22, 2022 – February 20, 2023

RMS 110 BACKGROUND

- A portable noise monitor was installed in Rutherford for a three-month period at the request of TANAAC and the Borough of Rutherford
- The monitor is located approximately 3 miles southwest of the center of the airport and is adjacent to departures from Runway 24 and the instrument approach path for Runway 6
- The noise and operational data presented here is between November 22 and February 20



RMS 110 AIRCRAFT NOISE SUMMARY

Aircraft DNL Levels and Noise Events at RMS 110

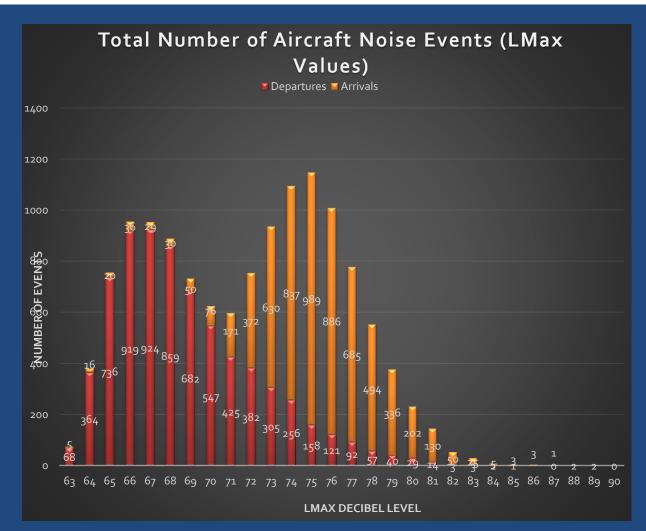
Month	DNL (Aircraft)	DNL (Community)
November (22-30)	55.9	58.8
December	57.9	59.5
January	57.0	57.5
February (1-20)	54.1	57.8
Total	56.4	58.5

- Average noise levels are measured using the Day Night Average Sound Level (Ldn) metric
- Ldn is a long-term weighted average that adds a 10 decibel (dB) penalty to any noise events occurring between 10:00 PM and 7:00 AM
- LdN is the federally mandated system used by the FAA and airports to measure aircraft noise exposure levels

AIRCRAFT NOISE EVENTS

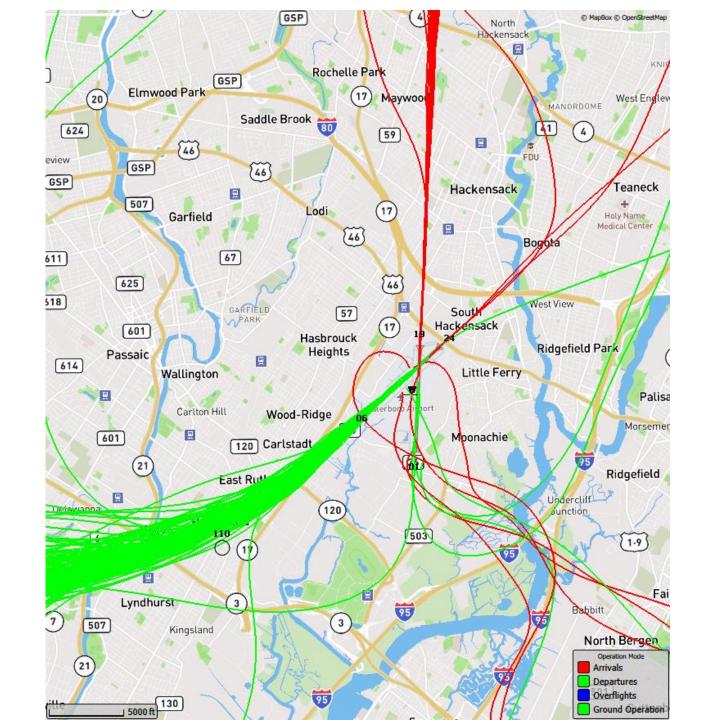
- Individual aircraft noise events were measured using the Maximum Noise Level (Lmax) metric
- Lmax is the maximum, or peak level that the noise reached during the aircraft overflight
- Lmax values at RMS 110 ranged from 63 dB to 89 dB

	Number of Airci			
Month	NAT 65 dB Total number of events	NAT 65 dB Daily Avg number of events	NAT 70 dB Total number of events	NAT 70 dB Daily Avg number of events
November (22-30)	1,269	141	655	73
December	4,996	161	3 , 567	115
January	4,433	143	2,993	97
February (1-20)	1,805	90	876	44
Total	12,503	139	8,091	90



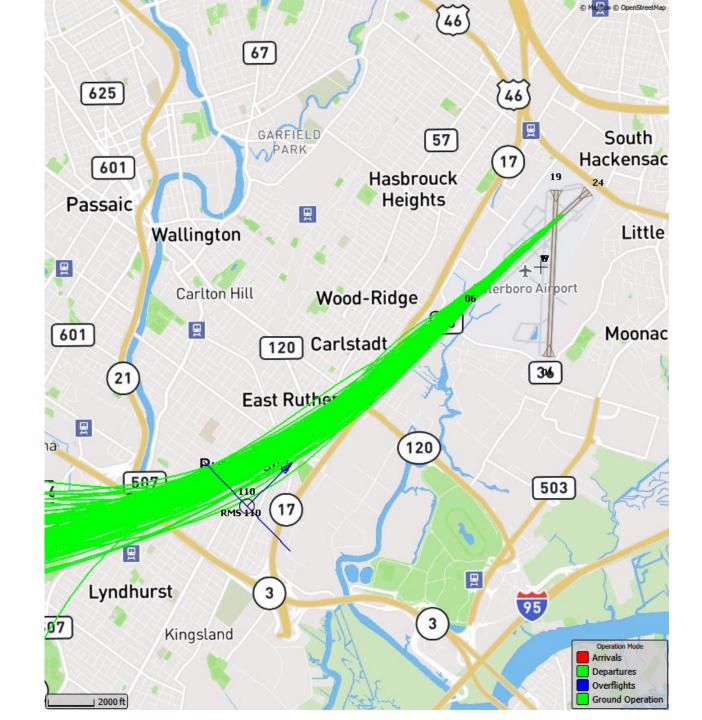
TEB Arrivals (Red) and Departures (Green) on 12/6/22

301 departures and 339 arrivals (640 total movements)

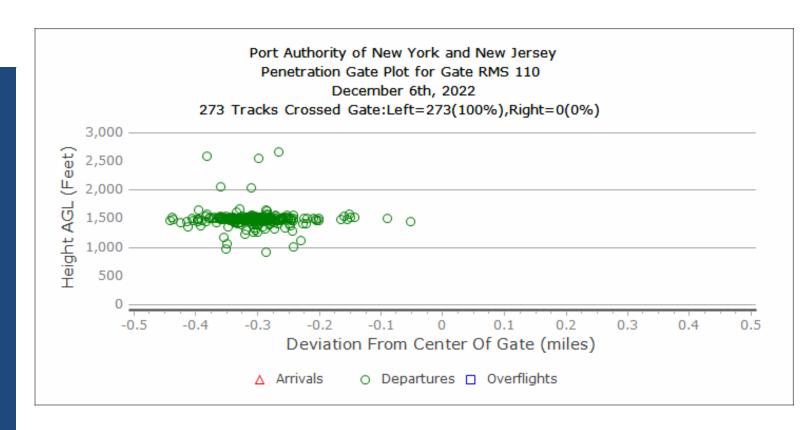


TEB Arrivals within ½ mile of RMS 110 on 12/6/22

273 departures flew near RMS 110

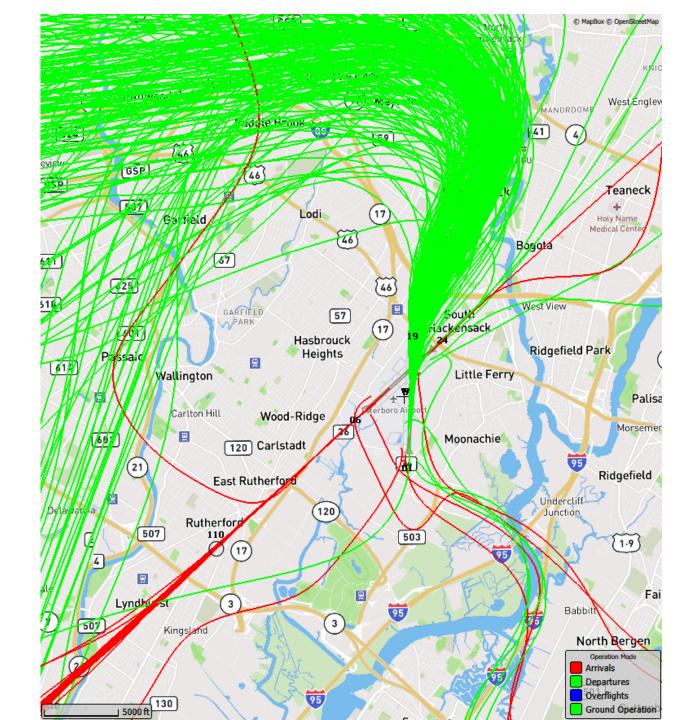


Majority of TEB departures are at approximately 1,500 ft.



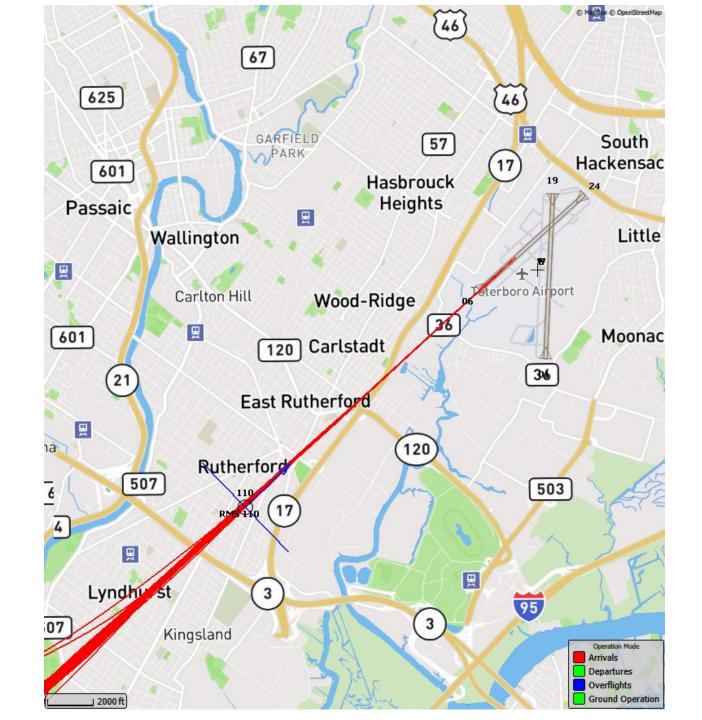
TEB Arrivals (Red) and Departures (Green) on 12/12/22

237 departures and 267 arrivals (504 total movements)

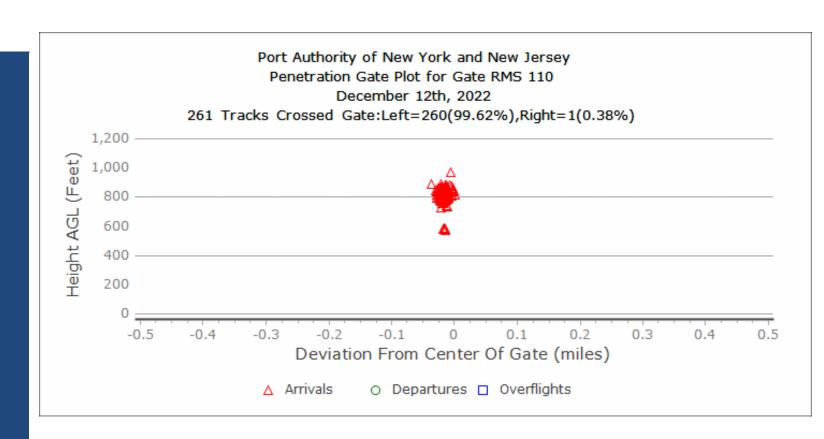


TEB Arrivals within ½ mile of RMS 110 on 12/12/22

267 arrivals flew near RMS



Majority of TEB arrivals are at approximately 800 ft.





TANAAC Co-Chair Nominations

Maria Sheridan – Manager / TANAAC
 Co-Chair, Teterboro Airport, – Port
 Authority of NJ & NJ



Runways 01 & 06 Alternate Approach Discussion

 Paul Griffo – Designated Representative / TANAAC Co-Chair - Borough of Rutherford

TANAAC Voting Members and Representatives

Member	Mayor / Official	Designated Representatives
Borough of Bogota	Christopher M. Kelemen	Councilwoman JoEllen Granquist
Bergen County	James J. Tedesco III	Principal Planner Peter Kortright
Borough of Carlstadt	Robert Zimmerman	
Borough of East Rutherford	Jeffrey L. Lahullier	Councilman George Cronk
City of Hackensack	John P. Labrosse Jr.	Deputy Mayor Kathleen Canestrino
Borough of Hasbrouck Heights	John DeLorenzo III	Councilman Ron Kistner
Borough of Little Ferry	Mauro Raguseo	Councilpersons George Muller / Lisette Duffy
Borough of Maywood	Richard Bolan	
Borough if Moonachie	Dennis Vaccaro	Councilpersons Karen Surak / Manuel Martinez
Village of Ridgefield Park	John H. Anlian	Commissioner Wanda Porterorreal
Township of Rochelle Park	Perrin Mosca	Roy Luyster / Dave Kingma
Borough of Rutherford	Frank Nunziato	Co-Chair Paul Griffo
Town of Secaucus	Michael Gonnelli	Councilman William McKeever
Township of South Hackensack	Gary Brugger	Committee Member Frank Cagas
Township of Teaneck	Michael Pagan	
Borough of Teterboro	John P. Watt	
Borough of Wood-Ridge	Paul S. Sarlo	Borough Clerk Gina Affuso 32

Committee Comments / Questions





Thank you for your Attendance



THE NEXT TANAAC MEETING IS SCHEDULED FOR JULY 26, 2023