



# Teterboro Aircraft Noise Abatement Advisory Committee

## Half Year (January – June) 2022 Report

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# Teterboro Aircraft Noise Abatement Advisory Committee

- **Introduction**
- **Operations Update**
- **Statistical Report: January - June 2022**
  - Aircraft Activity
  - Aircraft Noise Violations
  - Noise Readings
  - Noise Complaints
- **Discussion Items**
  - 14 CFR Part 150 Study Update
  - Woodcliff Lake Portable Noise Monitor
  - RNAV (GPS) X Runway 19 Offset Approach
    - Review of Runway 19 Approaches
    - Discussion of airspace restrictions and Air Traffic complexities
  - TANAAC Membership
- **Committee Comments / Questions**
- **Adjournment**

**July 27, 2022**

# Operations Update

## Runway 6/24 Rehabilitation: 2022-2023

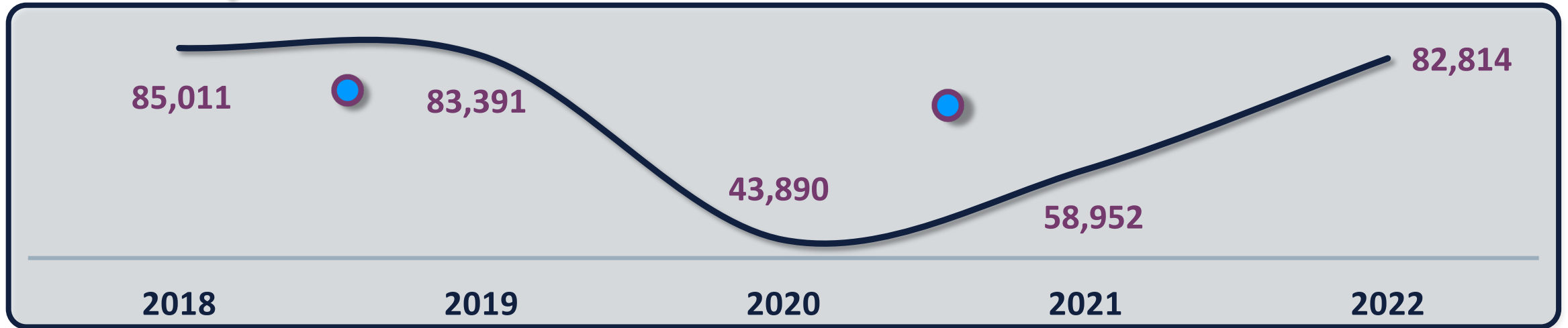
### **Hours of Work / Staging**

- Runway 6/24 Overnight Closures (April 2022 thru April 2023):
  - Sunday, Tuesday, Wednesday, and Thursday – 10:30p.m. to 6:30a.m. the following morning
  - Monday 10:30p.m. to 8:30a.m. Tuesday
- Runway 6/24 weekend Closures:
  - 38-hour closures – Friday 10:00p.m. to noon Sunday (May 2, 2022 – August 31, 2022; total of 7)
  - 12-hour closures – Sunday 12:01a.m. to noon Sunday (Oct 1, 2022 – November 30, 2022; total of 6)
- Airport Weekend Closures:
  - 38-hour closures – Friday 10:00p.m. to noon Sunday (July 1, 2022 – August 31, 2022; total of 6)
  - 12-hour closures – Sunday 12:01a.m. to noon Sunday (Oct 1, 2022 – November 30, 2022; total of 2)



# Airport Activity Report

## January – June



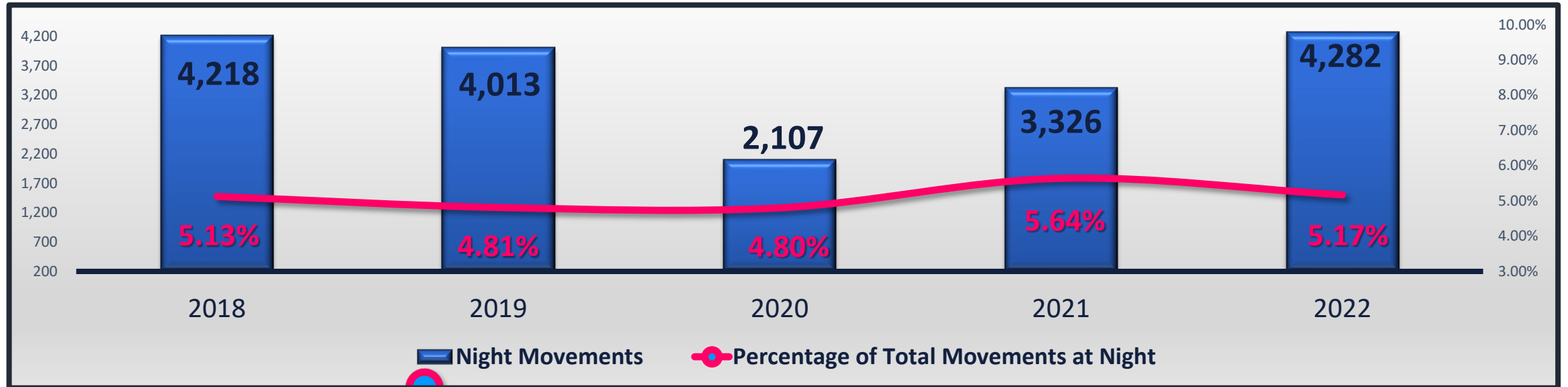
Movements	2018	2019	2020	2021	2022	2019/2020	2020/2021	2021/2022	2019/2022
Props	2,084	2,195	935	1,880	2,160	-57.40%	101.07%	14.89%	-1.59%
Turbo-Props	6,044	5,882	2,699	4,019	5,993	-54.11%	48.91%	49.12%	1.89%
Helicopters	4,049	3,929	1,509	1,429	2,456	-61.59%	-5.30%	71.87%	-37.49%
Jets	72,493	70,909	38,590	51,392	71,920	-45.58%	33.17%	39.94%	1.43%
Totals:	85,011	83,391	43,890	58,952	82,814	-47.37%	34.32%	40.48%	-0.69%

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



# Airport Activity Report

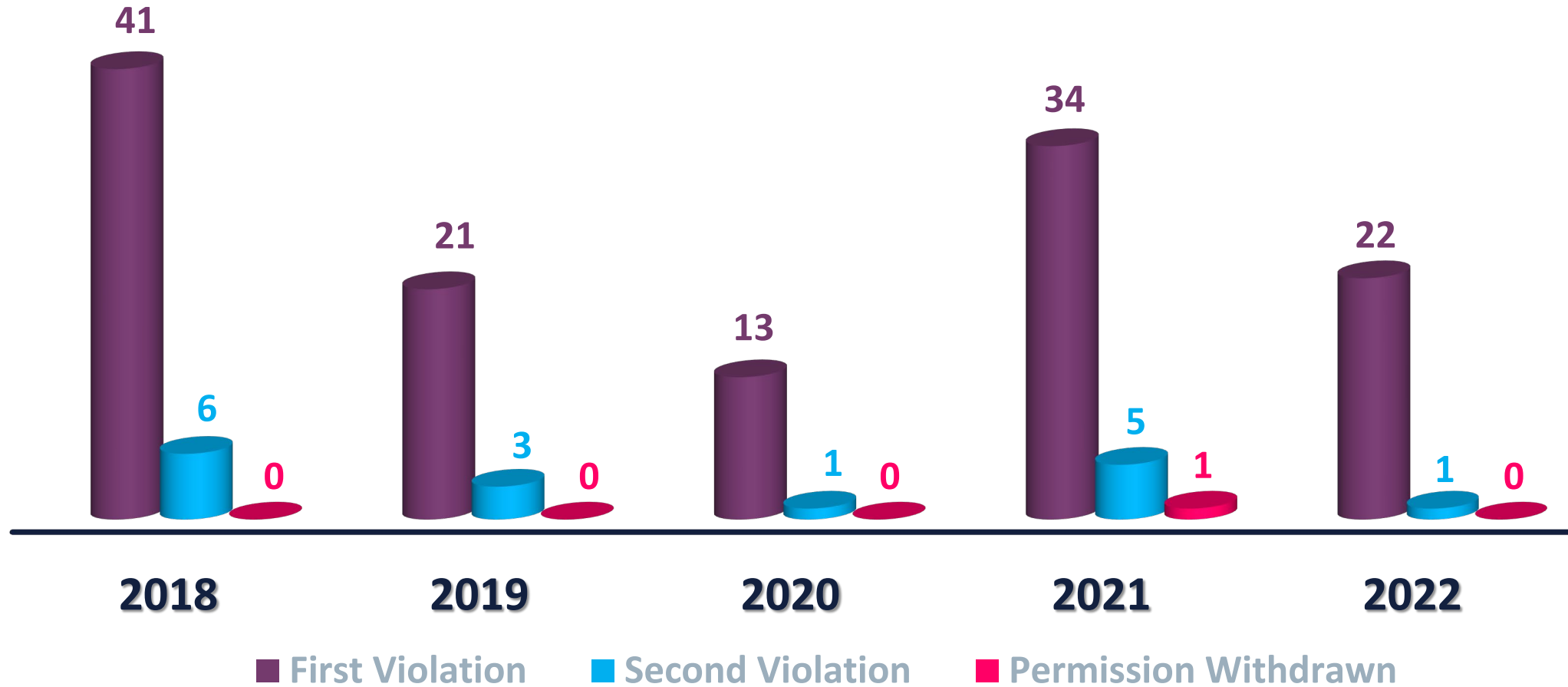
## January – June (11:00p.m. – 6:00a.m.)



Year	Nighttime Aircraft Movements	Total Aircraft Movements	% of Total Movements at Night
2018	4,218	82,297	5.13%
2019	4,013	83,391	4.81%
2020	2,107	43,890	4.80%
2021	3,326	58,952	5.64%
2022	4,282	82,814	5.17%

# Noise Violations

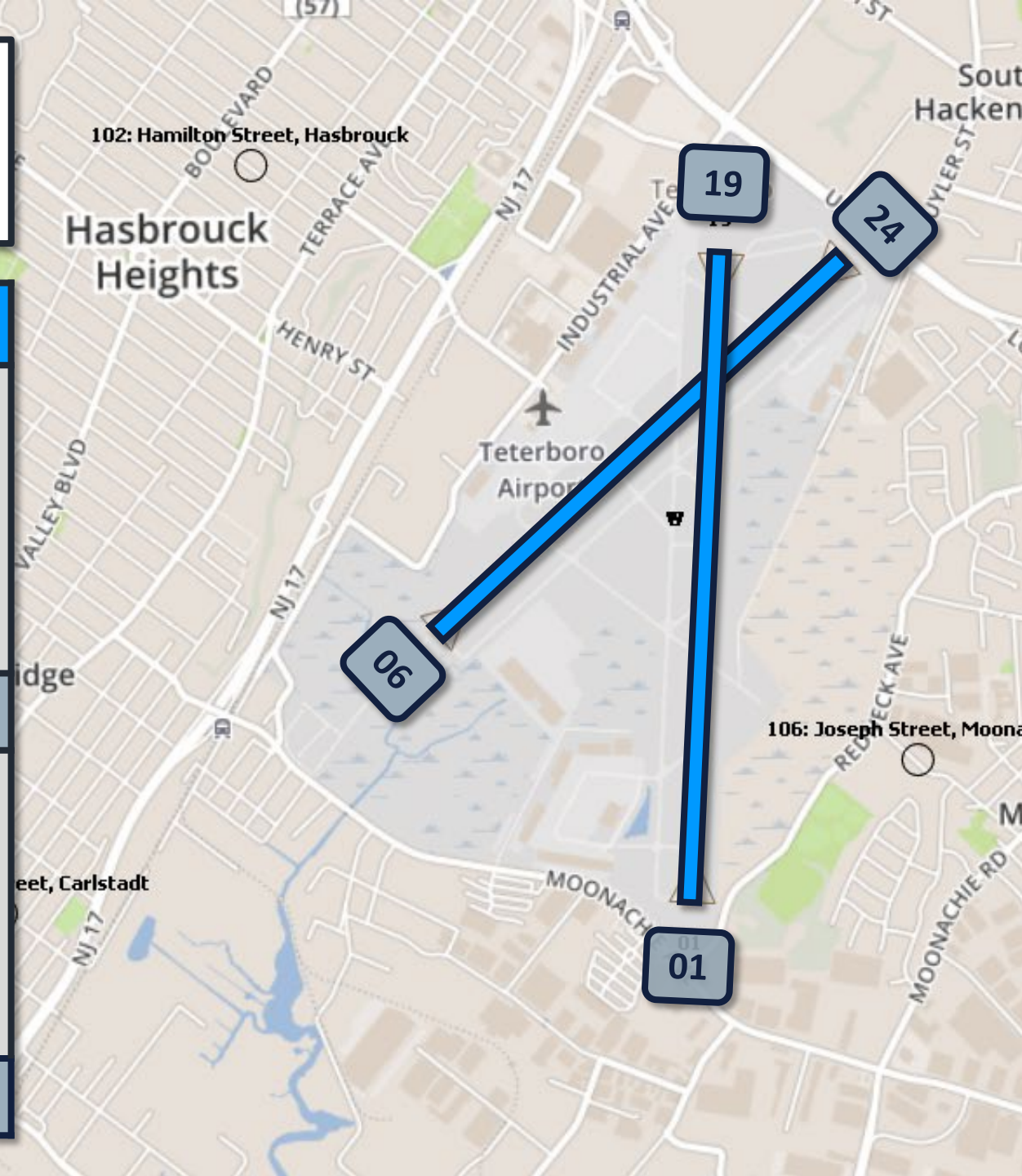
## January - June



# Runway Utilization

## January – June 2022

		Arrivals		Departures	
Runways	1	4,284	10.51%	13,923	35.14%
	19	21,471	52.67%	1,577	3.98%
	6	10,575	25.94%	1,045	2.64%
	24	4,436	10.88%	23,071	58.24%
		18,107		17,559	
Helicopter Routes	N	79	6.37%	83	7.14%
	E	114	9.19%	89	7.66%
	S	947	76.37%	932	80.21%
	W	100	8.06%	58	4.99%
		495		484	





# RNAV (GPS) X Runway 19 Offset Approach Utilization

Runway 19 Arrivals: 24 Hours			
	Total Arrivals	RNAV (GPS) X Arrivals	% of RNAV (GPS) X Arrivals
3 <sup>rd</sup> Quarter 2021	12,734	120	0.94%
4 <sup>th</sup> Quarter 2021	13,104	21	0.16%
1 <sup>st</sup> Quarter 2022	8,965	79	0.88%
2 <sup>nd</sup> Quarter 2022	11,486	193	1.68%

Runway 19 Arrivals: 10:00p.m. – 7:00a.m.			
	Total Arrivals	RNAV (GPS) X Arrivals	% of RNAV (GPS) X Arrivals
3 <sup>rd</sup> Quarter 2021	1,216	115	9.46%
4 <sup>th</sup> Quarter 2021	1,129	8	0.71%
1 <sup>st</sup> Quarter 2022	767	76	9.91%
2 <sup>nd</sup> Quarter 2022	1,203	181	15.05%

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

# LDN(A)

## January – June

### RMS 102

Hamilton St.-Hasbrouck Hts.

2019 35.4

2021 37.3

2022 35.4

2021/2022: -1.9

2019/2022: 0.0

### RMS 103

Prospect Ave.-Hackensack

2019 61.0

2021 59.4

2022 60.7

2021/2022: +1.3

2019/2022: -0.3

### RMS 104

Park St.-Hackensack

2019 52.1

2021 52.3

2022 52.0

2021/2022: -0.3

2019/2022: -0.1

### RMS 105

Bogota High School-Bogota

2019 49.1

2021 47.3

2022 47.7

2021/2022: +0.4

2019/2022: -1.4

### RMS 101

7th & Barry-Carlstadt

2019 57.3

2021 56.6

2022 57.2

2021/2022: +0.6

2019/2022: -0.1

### RMS 106

Joseph St.-Moonachie

2019 50.9

2021 50.9

2022 51.8

2021/2022: +0.9

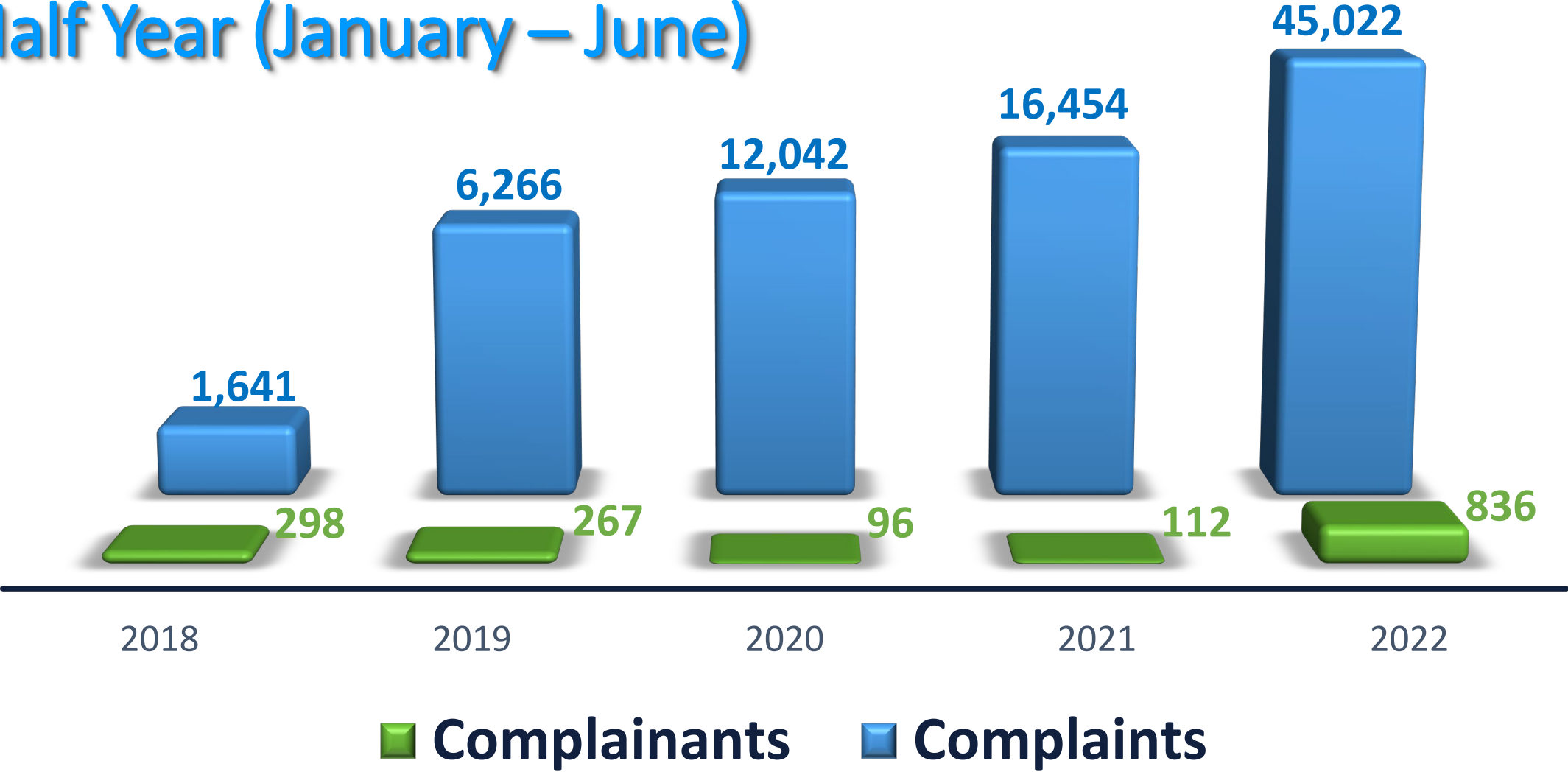
2019/2022: +0.9

**LDN(A) =  
Day/Night  
Average Aircraft  
Sound Level**



# Noise Complaints

## Half Year (January – June)



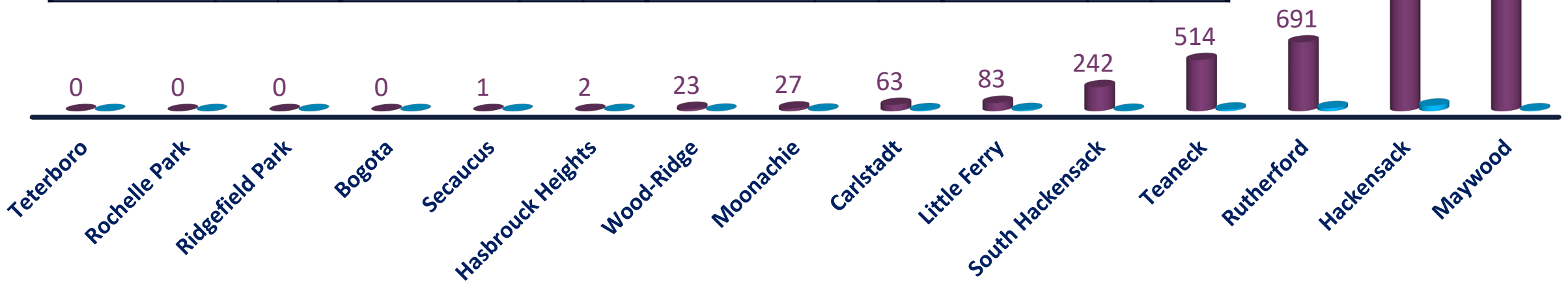
■ Third Party Applications Logged 20,481 Complaints from 51 Callers Between January and June.



# Noise Complaints: TANAAC Members

## January - June 2022

Bogota	0	0	Hasbrouck Heights	2	2	Little Ferry	11	83	Hackensack	55	3,908
Rochelle Park	0	0	Wood-Ridge	4	23	Third Party	1	36	Third Party	26	778
Teterboro	0	0	Moonachie	5	27	South Hackensack	3	242	Maywood	8	17,470
Ridgefield Park	0	0	Carlstadt	9	63	Teaneck	16	514	Third Party	1	17,309
Secaucus	1	1	Third Party	1	2	Rutherford	31	691			



 **Complainants**

 **Complaints**

# Noise Complaints: Non-TANAAC - January – June 2022

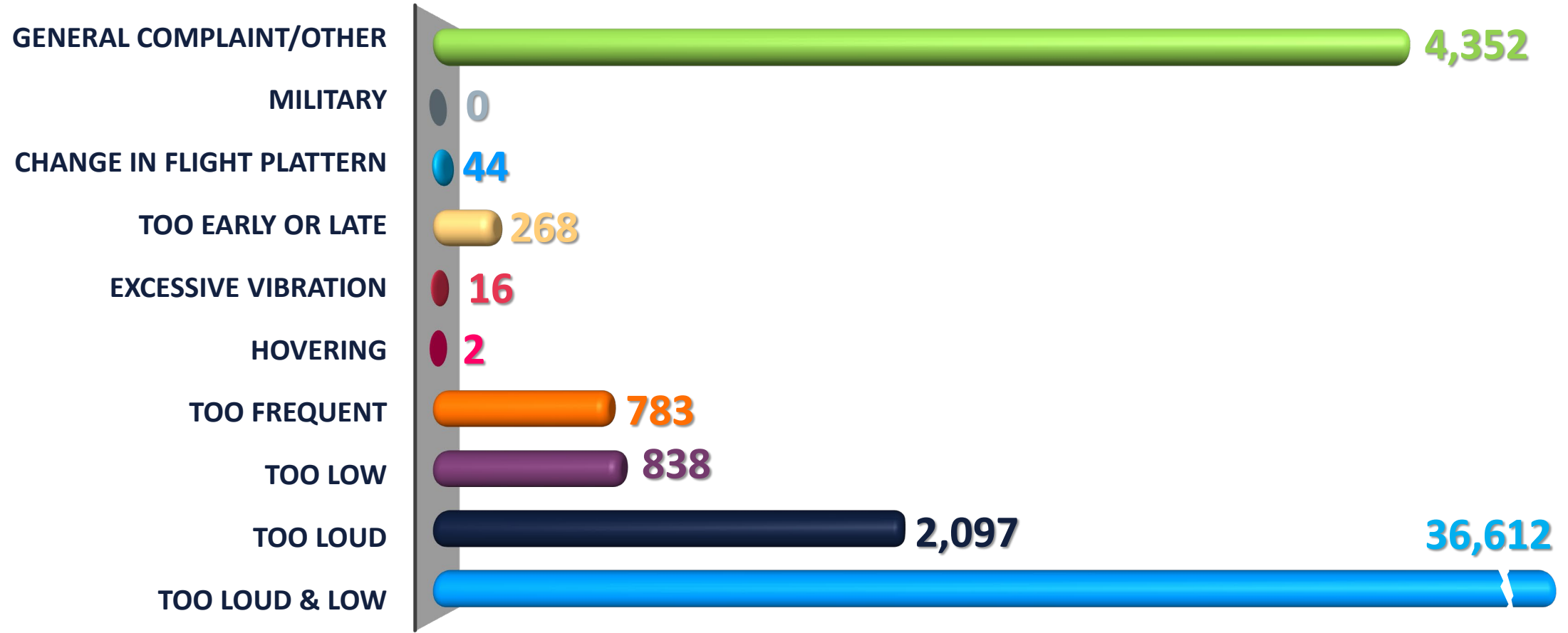
Airmont	1	553	Englewood	3	3	Norwalk	1	1	Somerville	1	3
Albertson	1	1	Glen Ridge	2	4	Norwood	44	95	Tenafly	71	601
Allendale	3	18	Harrington Park	13	21	Nutley	6	13	Third Party:	1	72
Alpine	1	1	Haworth	4	4	Old Tappan	1	1	Twp. of Washington	40	7,343
Belleville	1	2	Hawthorne	1	4	Paramus	13	232	Upper Montclair	1	1
Bergenfield	6	114	Hewitt	1	149	Park Ridge	23	517	Upper Saddle River	61	1,542
Bloomfield	1	7	Hillsdale	24	129	Passaic	1	2	Third Party	13	1,162
Branchburg	1	1	Lodi	2	3	Pearl River	1	1	Waldwick	2	5
Cedar Grove	1	1	Lyndhurst	13	786	Purchase	1	8	Warwick	1	3
Closter	61	198	Mahwah	36	832	Third Party	1	8	Third Party	1	3
Cresskill	33	777	Maplewood	3	4	Ramsey	1	3	Westfield	1	1
Third Party	1	46	Metuchen	1	1	Ridgewood	1	1	Westwood	24	148
Demarest	66	203	Montclair	5	9	Ringwood	1	1	Woodcliff Lake	40	1,167
Dumont	1	1	Montvale	11	33	River Vale	26	199	Third Party	2	1,054
East Rutherford	1	2	New Toronto	1	1	Rivervale	1	1	Wyckoff	2	29
Emerson	9	162	Newark	4	5,981	Saddle River	6	113			
Franklin Lakes	2	6	Newfoundland	1	5	South Salem	2	7			
Third Party	1	4	North Haledon	1	4	Third Party	2	7			

 **Complaints**

 **Complainants**

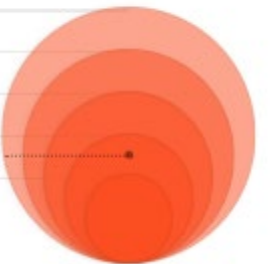
# Noise Complaints: Nature of Disturbance

## January – June 2022





# Regional Complaints 2<sup>nd</sup> Quarter







# Discussion Items

- **14 CFR Part 150 Study Update**
- **Woodcliff Lake Portable Noise Monitor**
- **RNAV (GPS) X Runway 19 Offset Approach Procedure**
  - Review of Runway 19 Approaches
  - Discussion of airspace restrictions and Air Traffic complexities
- **TANAAC Membership**

# FAA Presentation

**James Schultz, FAA General Manager NY District**

**Mary McCarthy, FAA NYAPIO Director**

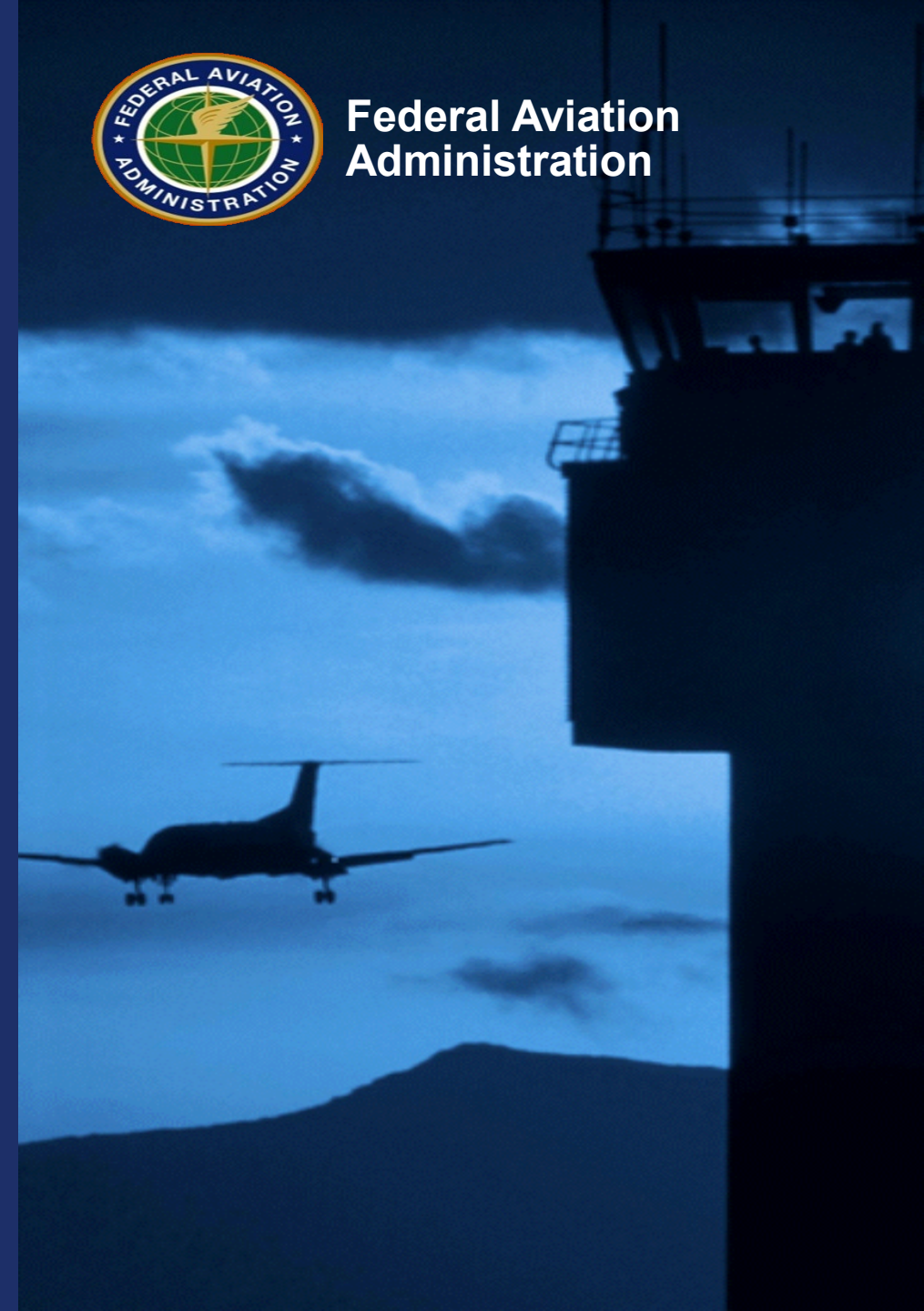


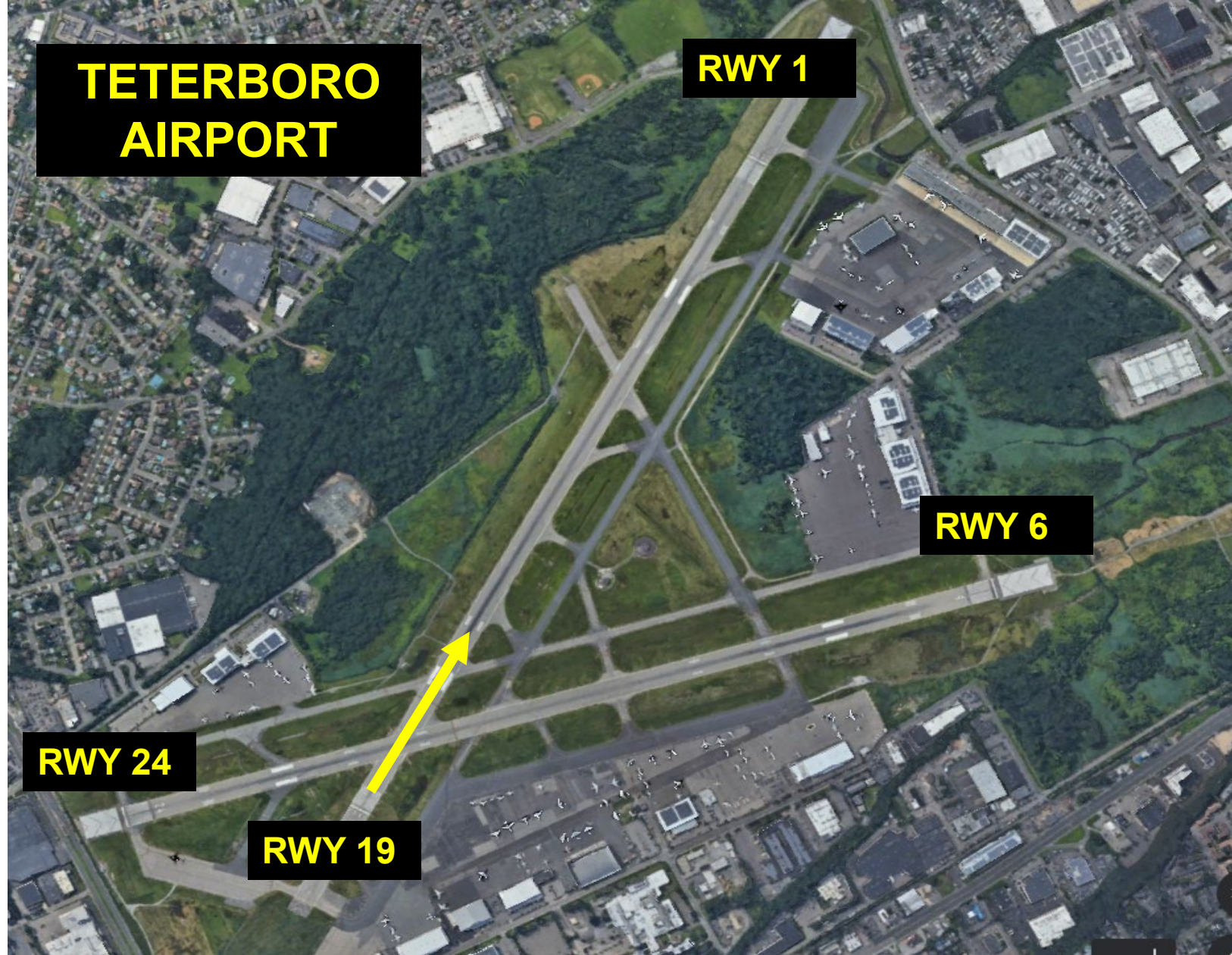


# TEB BRIEF



Federal Aviation  
Administration







# How are Runway Selections Made?

## ➤ Runway Availability

- Runway closures, Taxiway Closures or airport construction etc.

## ➤ Weather/Wind Conditions

## ➤ Operational Efficiency

- Airport throughput, delays, etc.

## ➤ Noise Considerations

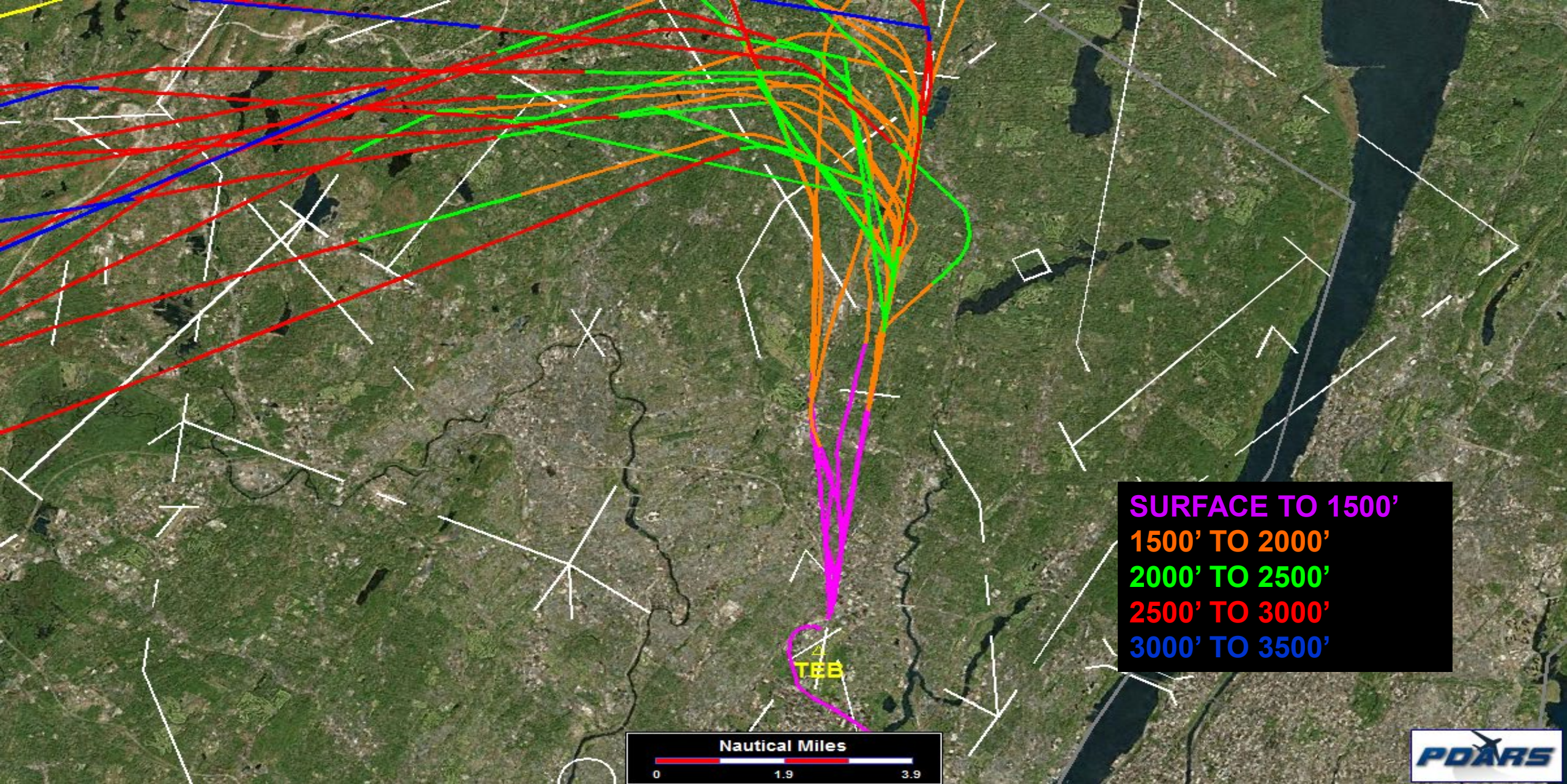


# TEB RNAV (GPS) RWY 19 Offset

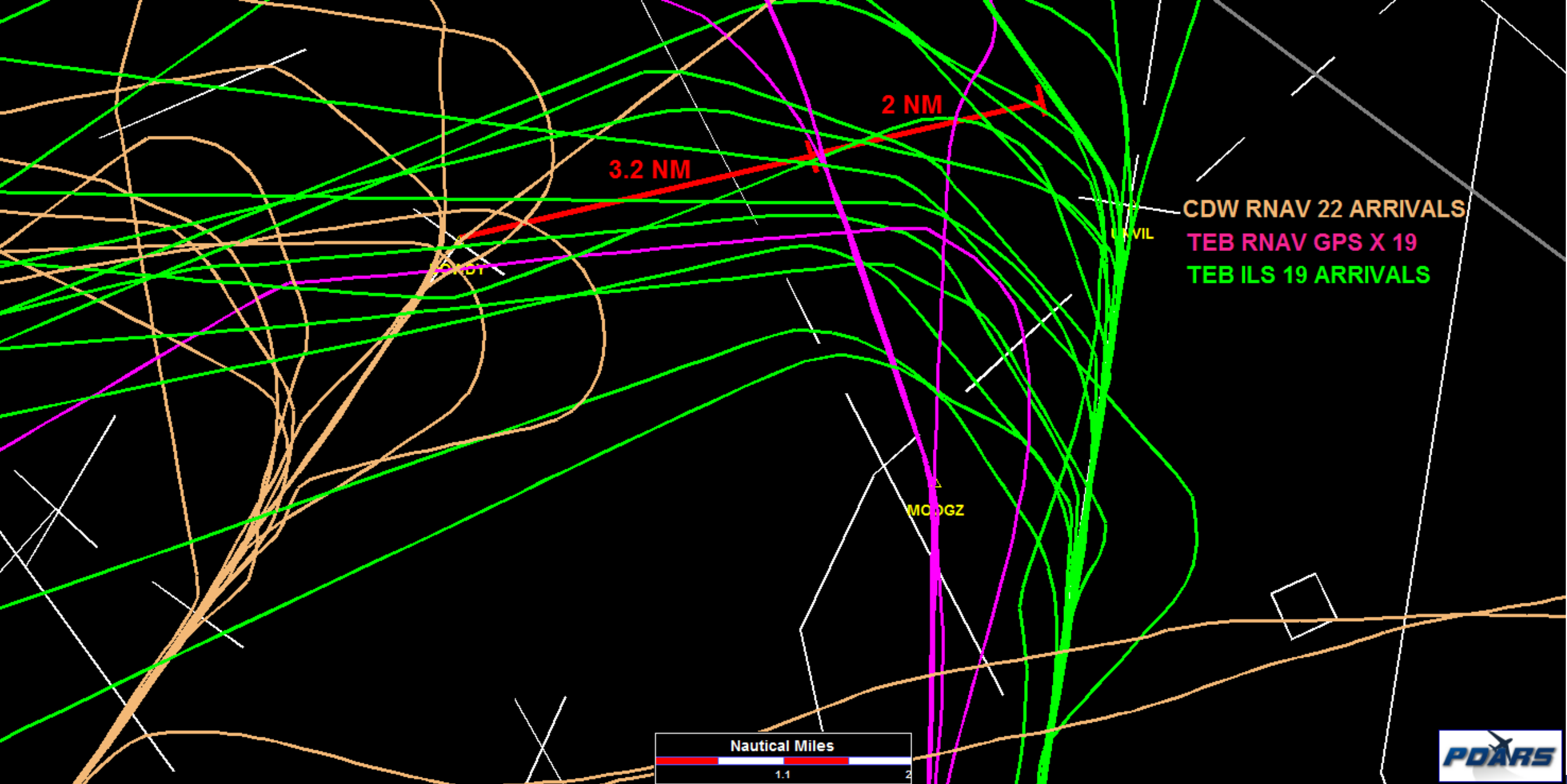
- The FAA developed the RNAV RWY 19 Offset procedure at the request of the Port Authority of New York and New Jersey and the Teterboro Airport Noise Abatement Advisory Committee. The procedure provides a viable alternative approach to Runway 19 that will help reduce the number of aircraft flying over the Hackensack University Medical Center and the surrounding residential areas.
- The RNAV RWY 19 Offset is an **ALTERNATIVE PROCEDURE** and does **NOT** replace the existing conventional instrument approach which will remain the preferred approach for Runway 19.
- The offset procedure is available for use upon pilot request at **anytime**.

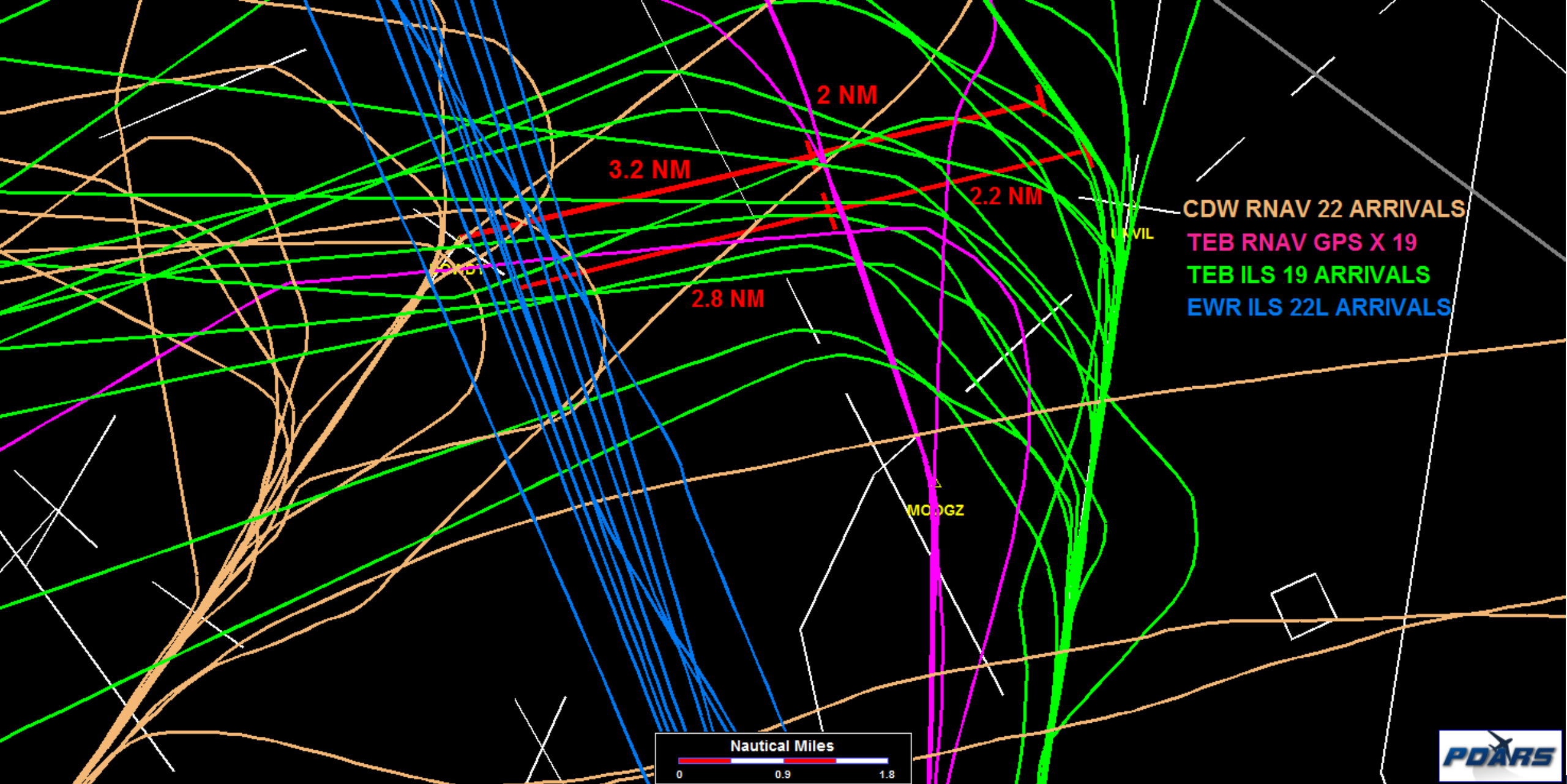












**An audit conducted for the month of April 2022 indicated that 28% of the pilots declined to utilize the GPS-X 19 approach when offered or assigned.**





# QUESTIONS?



# TANAAC Membership







Committee Comments / Questions





Thank you for your Attendance

The next TANAAC Meeting is scheduled for  
October 26, 2022