

# TEB Manager's Meeting

PORT  
AUTHORITY  
NY NJ

AIR LAND RAIL SEA

July 2023



# TEB Manager's Meeting

July 2023



TEB – Monthly Statistics  
Airport Manager  
Maria Sheridan

# TEB JUNE 2023 Statistics



Presented at the JULY 2023 – Airport Manger’s Meeting

	<b>2023</b>	<b>2022</b>	<b>% Change</b>
<b>Month A/C Ops</b>	<b>15,151</b>	15,100	0 %
<b>Month Jet Ops</b>	<b>12,656</b>	12,478	1 %
<b>YTD A/C Ops</b>	<b>83,614</b>	82,814	1 %
<b>Fuel (gals)</b>	<b>5,070,734</b>	5,057,147	0 %
<b>YTD Fuel</b>	<b>28,964,001</b>	28,810,478	1 %
<b>Int’l Arrivals</b>	<b>834</b>	800	4 %
<b>YTD Int’l Arr.</b>	<b>4,520</b>	4,609	2 %

**Highest Activity Day:** 710 – Thursday, June 15<sup>th</sup>

**Day(s) w/ Ops Over 600:** 7      **Over 700:** 1

# TEB Manager's Meeting

July 2023



Airport Operations Update  
Manager, Airport Operations & Security  
Scott Marsh

# **TEB Manager's Meeting – July 2023**

Airport Operations – Airfield Construction Project Update

## **Communications Equipment Upgrades**

- **Building 27 – ARFF Garage (Fire House)**
- **REILS (Runway End Identifier Lights)**
  - **RWY 19**
  - **RWY 24**

# TEB Manager's Meeting – July 2023

## Airport Operations – Airfield Construction Project Update

### FAA Construction – Scheduled to start August 7, 2023

- RWY 01 VASI upgraded to PAPI (2023)
- Power Distribution Upgrades to: (2023)
  - RWY 01 VASI/PAPI
  - RWY 01 REILs
  - RWY 06 GS
  - RWY 06 LOC
  - RWY 24 PAPI
  - ASOS

# TEB Manager's Meeting – July 2023

Airport Operations – Construction Project Update

➤ FAA Control Tower

- Continuing as scheduled
- Fall 2024 full-service commissioning

# TEB Manager's Meeting – July 2023

Airport Operations – Special Project

- PANYNJ – Office of Emergency Management (OEM) and Special Operations Division (SOD)
  - Field Testing of the SIGMA+ Program in coordination with DARPA (Defense Advanced Research Projects Agency)
  - When: July 24, 2023, early afternoon hours
  - Where: Hangar #1 Customs Ramp and Charles A. Lindbergh Dr.



# TEB Manager's Meeting – July 2023

## Airport Operations – Traffic Outlook

### ➤ July Events

July 4th Holiday

### ➤ August Events

US Open Tennis - Aug 28 – Sep 10

Labor Day Departures – Aug 30

### ➤ September Events

Labor Day – Sept. 4

NYC Fashion Week – Sept. 7 - 13

Rosh Hashana - Sept. 15 – 17

Emmy Awards - Sept. 18

JetNet iQ Bus Ava Summit - Sept. 13 – 14

UNGA – Sept. 12 – 30

Yom Kippur – Sept. 24 - 25

# TEB Manager's Meeting – July 2023

Airport Security Update

➤ Audit Update

# **Teterboro Airport – 2023 Hurricane Season and Plan Review**

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July 12, 2023

# TEB 2023 Hurricane Plan Review



Presented July 12, 2023, to TEB Airport Managers Meeting

## Agenda

- **Hurricane Background**
- **Hurricane Season Outlook**
- **Airport Hurricane Emergency Response Plan**
- **Airport Tenant Hurricane Response Plan(s)**
- **Communications**
- **Questions / Comments**

# TEB 2023 Hurricane Plan Review

Presented July 12, 2023, to TEB Airport Managers Meeting

## What is a Hurricane?

- A hurricane is an area of low pressure that forms over deep warm ocean waters (at least 80°F) with wind speeds of 74 mph or higher
- Characterized by clouds and thunderstorms that rotate counterclockwise around a defined center of circulation



- ✓ When is Hurricane Season?
- ✓ When should “We” begin to prepare?

# TEB 2023 Hurricane Plan Review

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## How Does a Hurricane Form?

### Tropical Depression

- Maximum sustained winds of 38 mph or less.
- Identified by a number (ex: TD 24).

### Tropical Storm

- Maximum sustained winds of 39-73 mph.
- Identified by a name (ex: Tropical Storm Wilma).

### Hurricane

- Maximum sustained winds of 74 mph or higher.
- Identified by a name (ex: Hurricane Wilma).

# TEB 2023 Hurricane Plan Review



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## Saffir-Simpson Hurricane Wind Scale

Category	Sustained Winds	Damage
1	74-95 mph	<b>Minimal</b> (some roof and siding damages; large tree branches snapped)
2	96-110 mph	<b>Moderate</b> (major roof and siding damage; trees snapped or uprooted resulting in significant power outages)
3	111-129 mph	<b>Extensive</b> (damage to well built homes; many trees snapped or uprooted resulting in significant power outages)
4	130-156 mph	<b>Extreme</b> (significant roof and exterior wall damage to well built homes; most trees snapped or uprooted and power poles downed)
5	≥157 mph	<b>Catastrophic</b> (total roof failure and wall collapse of many homes; residential areas isolated by fallen trees and power poles)

# TEB 2023 Hurricane Plan Review



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## Primary Hazards

- **Storm Surge**
  - The abnormal rise in water levels along the coast generated by a storm's winds
  - Can extend many miles inland
  - This is the primary threat to coastal airports
- **Flooding from Heavy Rainfall**
  - Widespread torrential rainfall can cause flooding hundreds of miles
  - Amount of rain depends on the size and forward speed of the storm, not the intensity
  - This is the primary threat to inland airport locations



# TEB 2023 Hurricane Plan Review



Presented July 12, 2023, to TEB Airport Managers Meeting

## Hurricane Season Outlook

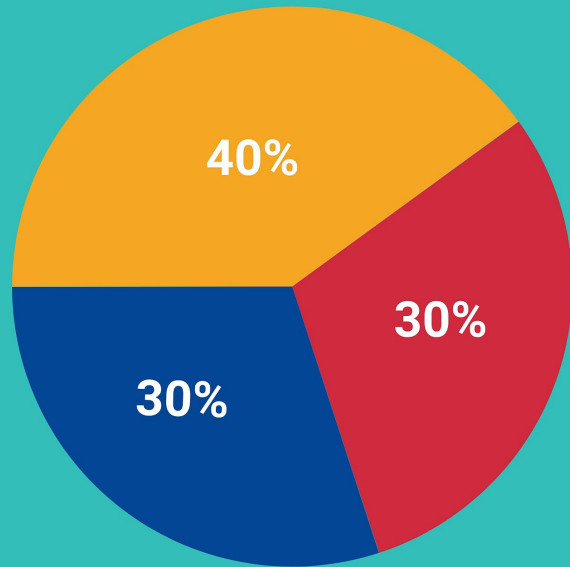
- **The Atlantic hurricane season extends from June 1 through November 30**
- **Mid-August through November 30, for the TEB region**
- **National Oceanic and Atmospheric Administration (NOAA)**
  - NOAA predicts a Near-Normal Season activity
  - 40% chance of a near-normal season, a 30% chance of an above-normal season, and a 30% chance of a below-normal season
  - For 2023, a likely range of 12-17 named storms, of which 5-9 could become hurricanes, including 1 to 4 major hurricanes.

# TEB 2023 Hurricane Plan Review

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## 2023 Atlantic Hurricane Season Outlook



■ Above normal ■ Near normal ■ Below normal

Season probability

Named storms  
12 - 17

Hurricanes  
5 - 9

Major hurricanes  
1 - 4

# TEB 2023 Hurricane Plan Review

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## 2023 Atlantic Tropical Cyclone Names

Arlene  
Bret  
Cindy  
Don  
Emily  
Franklin  
Gert

Harold  
Idalia  
Jose  
Katia  
Lee  
Margot  
Nigel

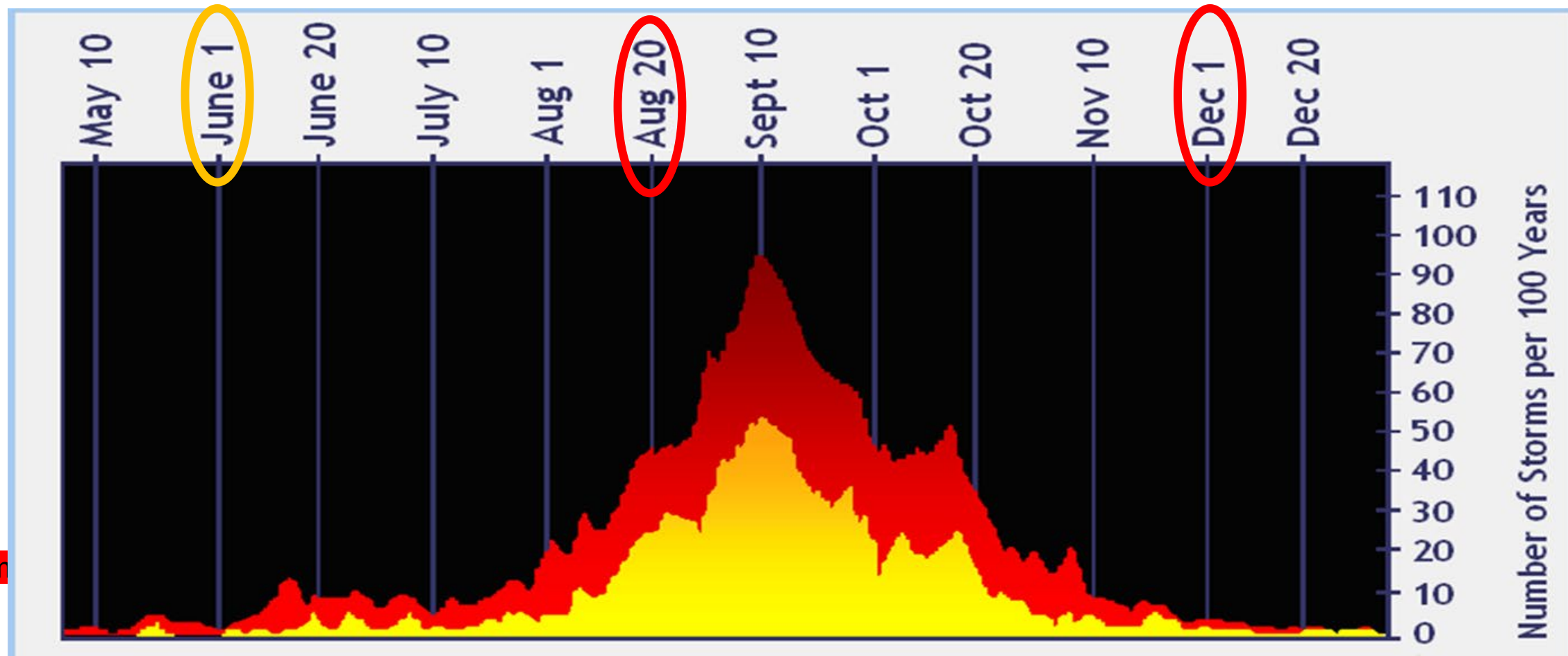
Ophelia  
Philippe  
Rina  
Sean  
Tammy  
Vince  
Whitney

Names provided by the World Meteorological Organization

# TEB 2023 Hurricane Plan Review

Presented July 12, 2023, to TEB Airport Managers Meeting

## Atlantic Hurricane Season



Tropical Storm  
Hurricane

# TEB 2023 Hurricane Plan Review



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## Airport Hurricane Emergency Response Plan

- **Airport Hurricane Emergency Response Plan**
  - Annual Review of the Plan
  - Update the Plan if required
- **Review Responsibilities and Required Actions**
  - Pre-storm - Storm - Post-storm
- **Equipment, Materials and Supplies Inventory and Inspection**
- **Review and Update Communication Lists**
- **Conduct Workshop with Port Authority OEM (NWS, NJ DOT, PA OEM, Airport Management)**

# TEB 2023 Hurricane Plan Review



Presented July 12, 2023, to TEB Airport Managers Meeting

## Communications

- **Conference Calls**
- **Teams Virtual Meetings**
- **Everbridge Messages**
- **Virtual EOC (If required)**
- **NOTAMS / FICONS**
- **Faxes**
- **Telephone Communications**



Presented July 12, 2023, to TEB Airport Managers Meeting

## Airport Tenant Hurricane Response Plan(s)

- **Airport Tenant Hurricane Response Plan(s)**
  - **Ensure your plan is current**
  - **Reference the Airport Hurricane Emergency Response Plan**
  - **Contact Names and Phone Numbers - Updated**
  - **Make your plan available to all employees / tenants**
  - **Communication Plans Updated (contacts current)**
  - **Be prepared, use checklists**

# TEB 2023 Hurricane Plan Review

Presented July 12, 2023, to TEB Airport Managers Meeting

## Questions / Comments





# TEB Manager's Meeting

July 2023



Construction Update  
Scott Marsh  
Ari Ellinsky/Ken Poli

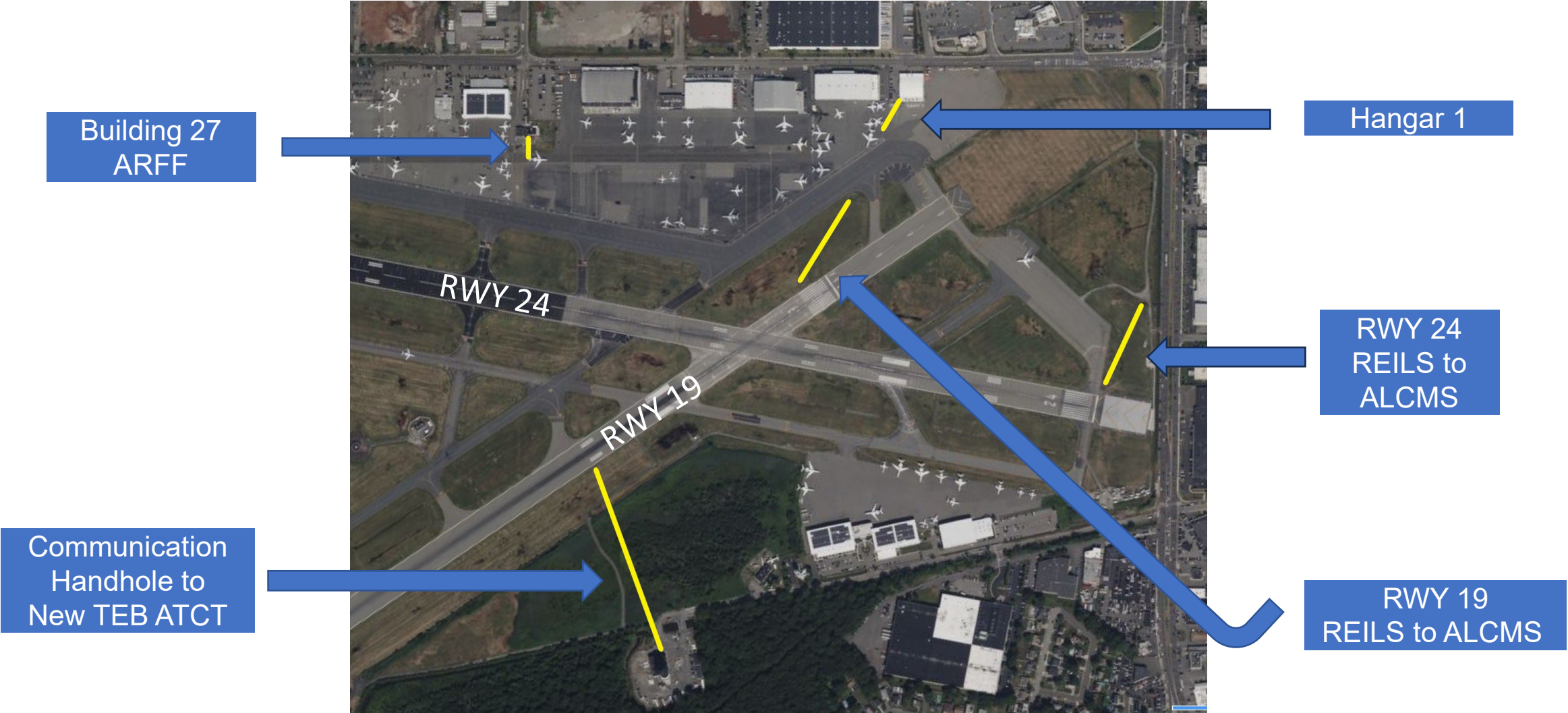
# Teterboro Airport Nav aids Relocation

July 12, 2023

# Scope

- New fiber install in new and existing duct banks on the airfield including from Hangar 1 to Building 27 Aircraft Rescue and Fire Fighting (ARFF)
- Installation of copper wiring for connecting REILS (Runway End Identifier Lights) to existing duct banks to Airport Lighting Control Monitoring System (ALCMS)
- Purchasing ALCMS and EANS (Emergency Alert Notification System) equipment to be placed in the new TEB ATCT (Air Traffic Control Tower)
- Purchase new radio station (plus spare) to be installed in Building 27 (ARFF) for ALCMS communication to Building 73 Maintenance

# Teterboro New Duct Banks





# Runways 19 & 24 REILS New Routes

- Runways 19 & 24 REILS are currently controlled via radio signal.
- Hardwire connections will be installed to control REILS, improving reliability.



# New Fiber Installation - ALCMS

- New fiber optic routes are required for establishing communication between New TEB ATCT and ALCMS.



# Schedule

- Construction is to be scheduled in Mid July and continue through the end of September
- Nighttime runway closures will be required and coordinated through Airport Operations

# Questions and Comments



# TEB Manager's Meeting

July 2023



ATCT – FAA Update  
Lazaro Arteaga

# TEB Manager's Meeting

July 2023



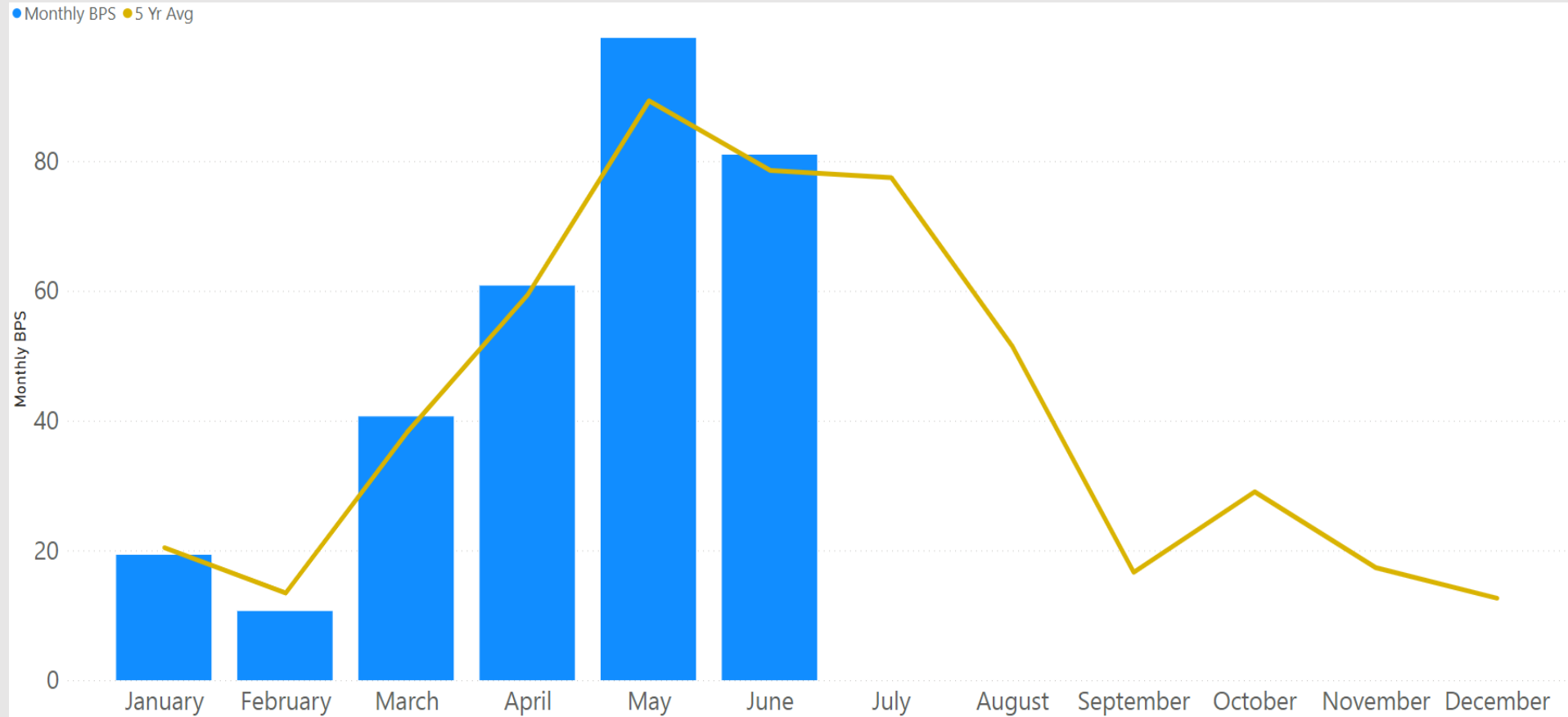
## Wildlife Management Update

Terri Riotto – USDA

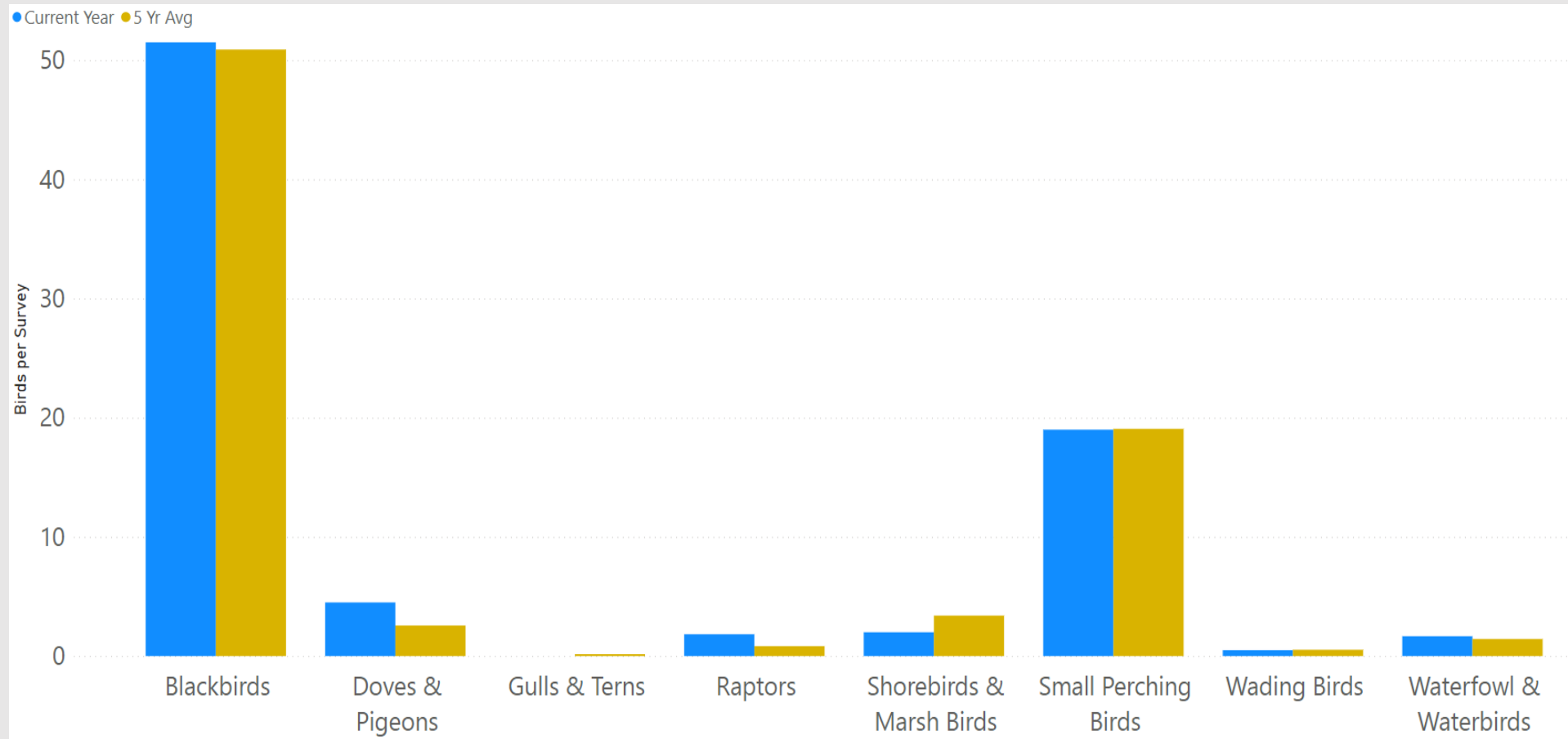




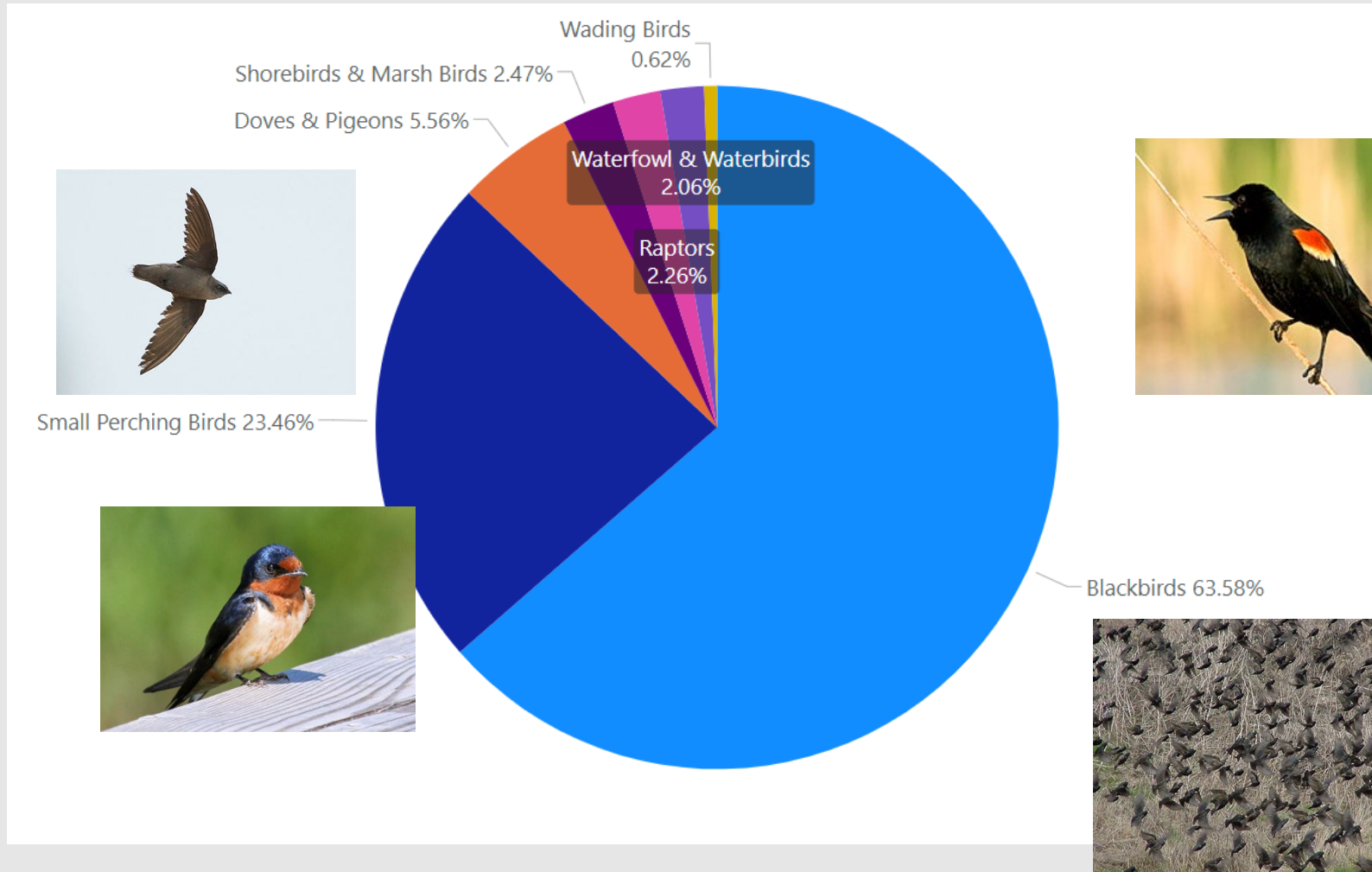
## Average Number of Birds Observed per Survey



## Average Number of Birds per Guild Observed per Survey



# On-Airport Observations by Guild





## Raptor Relocations

Month	Species	Number trapped and relocated
January	American kestrel	1
	Red-tailed hawk	1
March	American kestrel	7
	Red-tailed hawk	1
April	American kestrel	29
	Red-tailed hawk	1
May	Red-tailed hawk	1
<b>YTD Total</b>		<b>41</b>



## June Wildlife Strikes

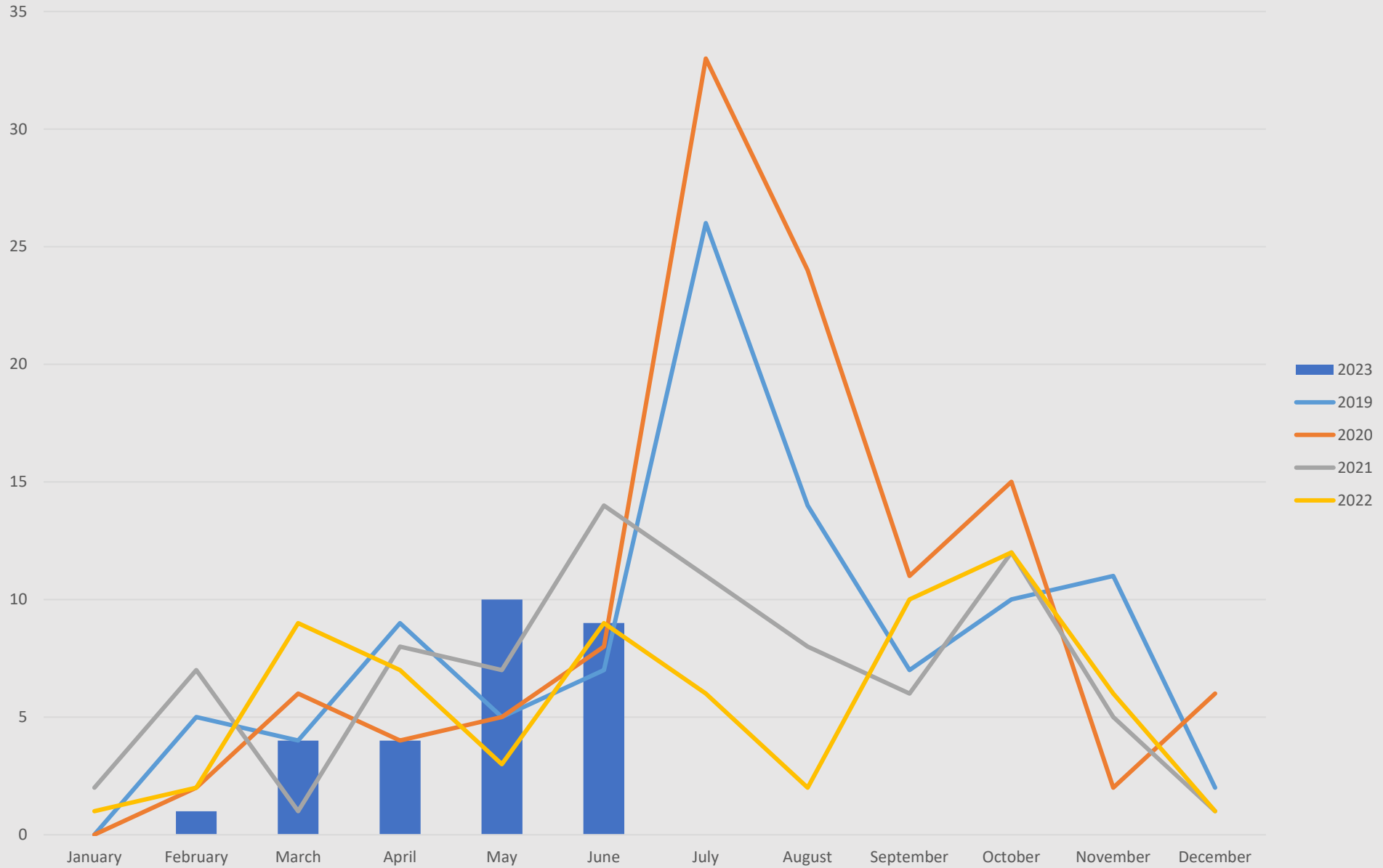
Species	Strikes	Comments
Chimney swift	3	(1) With minor damage
Eastern meadowlark	1	
Killdeer	1	
Mourning dove	1	
Red-tailed hawk	1	2 adult RTHA found on Rwy 24
Rock pigeon	1	
Savannah sparrow	1	
<b>Total</b>	<b>9</b>	







TEB Strikes 2019-2023



# TEB Manager's Meeting

July 2023



TEB Noise Office Update  
Gabe Andino



# Noise Office Update

Airport Manager's Meeting

July 12, 2023

# Noise Complaints June 2023

## June 2023:

- 70% of complaints received related to arrivals
- 62% of complaints related to RWY 19 and RWY 06 arrivals
- 62% of complaints submitted via 3<sup>rd</sup> party app
- 83% of complaints submitted by 3 complainants

	2023		2022	
	Complaints	Callers	Complaints	Callers
June Complaints All Hours	6,011	139	8,263	290
YTD Complaints All Hours	37,036	435	45,049	838
June Complaints 10:00 PM - 7:00 AM	497	58	863	79
YTD Complaints 10:00 PM - 7:00 AM	3,838	179	5,459	242



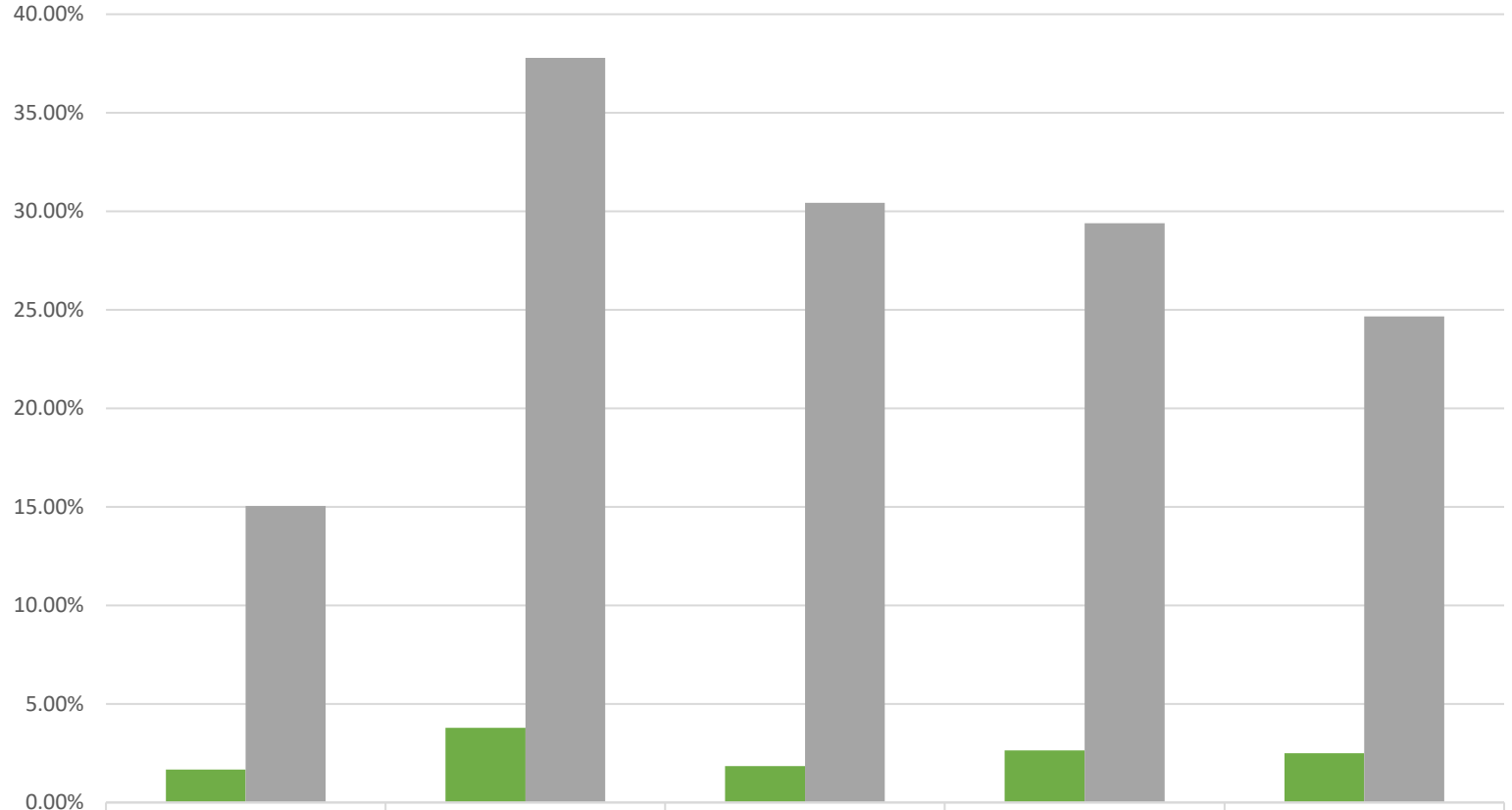
# June Noise Violations

Violation Level	June 2023	YTD 2023	June 2022	YTD 2022
First	7	35	3	28
Second	0	0	0	1
Third	0	0	0	0
Warning	3	18	4	17

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# Runway 19 Offset Approach

RNAV (GPS) X RWY 19 Approach Usage



	2Q 2022	3Q 2022	4Q 2022	1Q 2023	2Q 2023
■ % of RNAV (GPS) X Arrivals (RWY 19 All Hours)	1.68%	3.79%	1.85%	2.65%	2.50%
■ % of RNAV (GPS) X Arrivals (RWY 19 10:00 PM - 7:00 AM)	15.05%	37.78%	30.43%	29.40%	24.67%

# 3<sup>rd</sup> Quarter 2023 TANAAC Meeting

- The next TANAAC Meeting will take place Wednesday July 26<sup>th</sup> at 6:00 pm
- Virtual format (Microsoft Teams)
- Contact Gabe Andino at [gandino@teb.com](mailto:gandino@teb.com) or Patty Salvato at [pasalvato@panynj.gov](mailto:pasalvato@panynj.gov) for meeting link



# TEB Manager's Meeting



OPEN DISCUSSION



# TEB Manager's Meeting

July 2023



## UPCOMING MEETINGS

- Manager's Meeting – August 9 – 10:30PM – Virtual
  - TANAAC Meeting – July 26 – 6:00PM - Virtual

# Thank You!

