

Port Authority of New York and New Jersey

Fly Quiet Programs JFK Roundtable Briefing

June 3, 2024



Agenda

- Background
- Status and Updates
- 2023 Award Winners
- Airport Statistics
- Q&A



Background



Background on PANYNJ Fly Quiet Programs

- Recommended program management measure in the Part 150s for all four PANYNJ airports
- Establish new programs at JFK, LGA, and EWR Airports
- Enhance and support the existing TEB Quiet Flying Program

What is a Fly Quiet Program?

- A voluntary **collaboration** of Port Authority, Airlines, aircraft operators and FAA air traffic controllers that **encourages** them to use suggested quieter aircraft, noise abatement flight procedures, and preferential runways



Awareness
Campaign

Data
Reporting

Benefits
beyond the
65 DNL
contour

Benchmarking and Development

- Benchmarking conducted in 2022
 - Surveys and interviews of other airports with FQPs nationwide
 - Review of Part 150 comments, suggestions, and recommendations in the NCP Appendices
- Technical Focus Groups 2022-2023
 - Involving airlines, operators, airports and the FAA
 - Working together to develop the FQPs

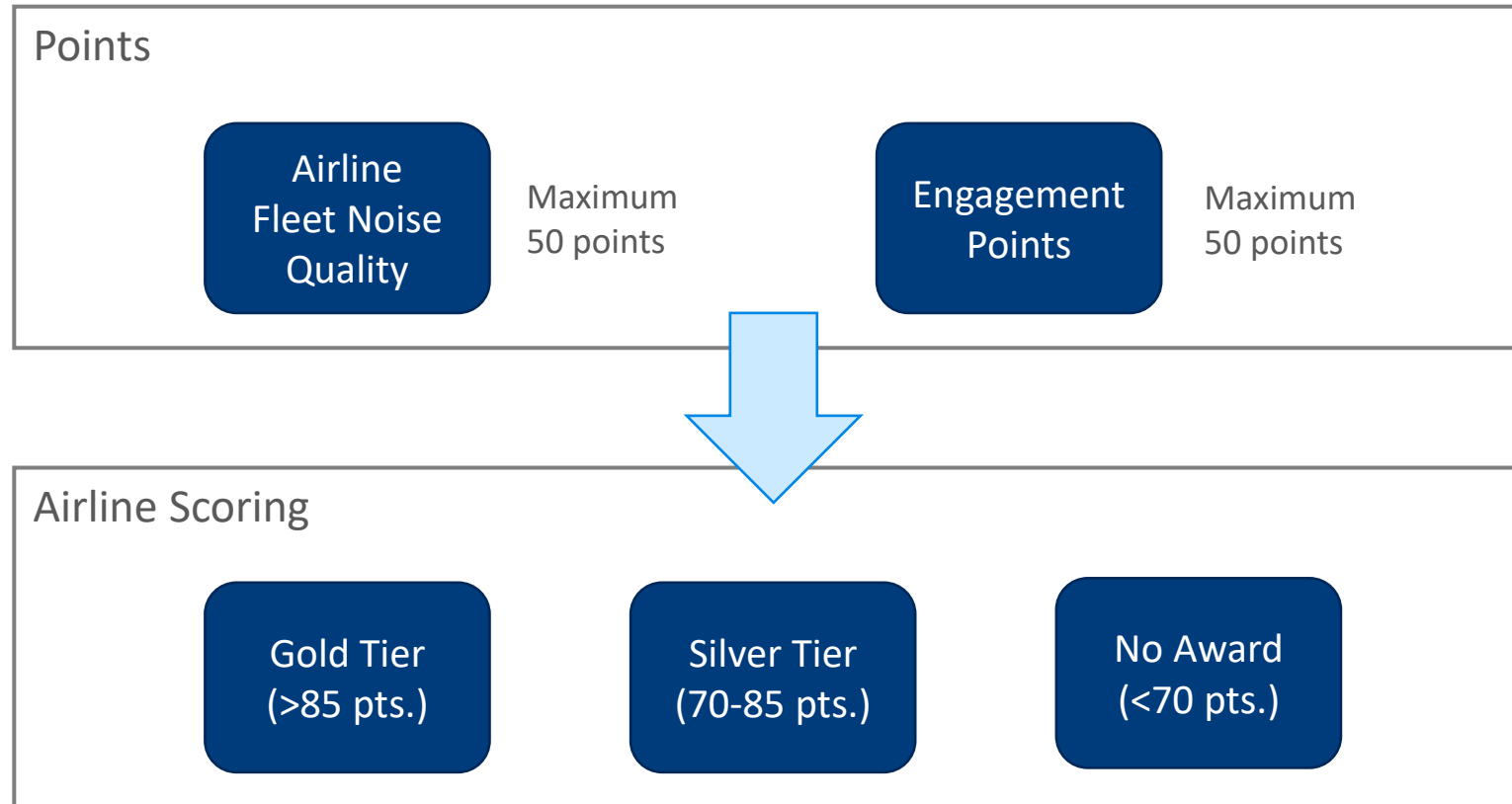
Airports interviewed and researched:

San Francisco Intl.
San Diego Intl.
Seattle-Tacoma Intl.
Aspen/Pitkin County
Teterboro Airport
Los Angeles Intl.
John Wayne Airport
O'Hare International
Jackson Hole Airport
Philadelphia Intl.

Status and Updates



Scoring System Overview



A Database has been developed using ANOMS data to categorize airlines and determine scores based on airline fleet mix (i.e., Noise Stage data).

Top Tiers will be recognized in the FQP Annual Report:

- ✓ Awarded in each airline category (Air Carrier, Regional, Int'l., Cargo)
- ✓ Scored on a scale of 0 to 100

Airline Scoring Details

Scoring Categories		Max. Points
Airline Fleet	Fleet Noise Quality: <ul style="list-style-type: none"> • Weighted average of an airline’s operations and the certificated “Noise Stage” of each aircraft • For airlines with minimum of 365 operations per year (operation is one arrival or one departure) 	50
Engagement	Participate in FQP Focus Group annual virtual briefing(s) – includes 2022 and 2023	10
	Participate in Roundtable Meetings (for JFK and LGA only) > one hour attendance each meeting <ul style="list-style-type: none"> • Up to four meetings per year, 2.5 points per meeting, 10 points maximum 	10
	Access and review the FQP Dashboard Reporting site once per quarter <ul style="list-style-type: none"> • Tracked four times per year, 2.5 points per login, 10 points maximum 	10
	Provide copies of pilot training/educational materials on noise abatement and Fly Quiet along with the date(s) training was conducted	10
	Provide information/documentation on airline fleet noise reductions (vortex generators, etc. installed on the aircraft; pilot operating techniques; NADP training; etc.)	5
	Provide information/documentation on any annual airline sustainability practices/offsets/etc.	5
Total:		100

Airport-Wide Statistics for Annual FQP Report

- Provide statistics on noise and operations that are reported airport-wide and *are not a part of an airline's score*:
 - Airport-wide fleet mix by Noise Stage
 - Runway use including late-night hours
 - Flight procedure use
- Recognizes the FAA's participation and role in runway selection and flight procedure selection

FQP Technical Manual

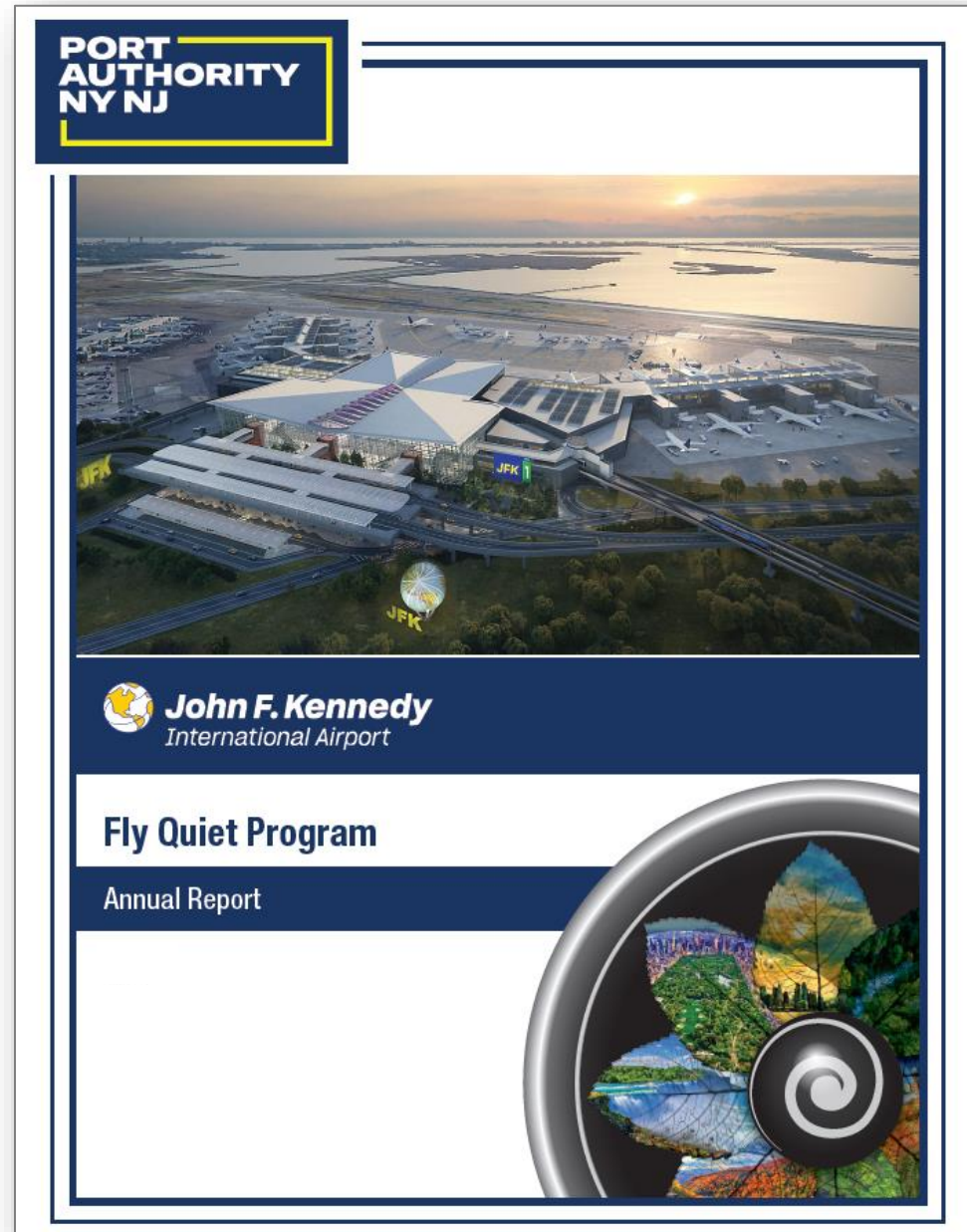
- A resource guide providing detailed technical information on score calculations and other program metrics
- Written for a technical audience (airlines, FAA, etc.) to provide:
 - FQP scoring methodology
 - Fleet noise calculations
 - Engagement points calculations
 - Runway and flight procedure use
 - Airline rankings and awards
- Will be posted to PANYNJ website by June 2024
 - Available for airlines, stakeholders, and the public to gain a full understanding of how the program and its metrics work

Awards for 2023



2023 Annual Reports

- A separate report for each airport (JFK, LGA, and EWR)
- Based on annual data for Calendar Year 2023
- Brief, 10-page summary of Airline Awards and metrics
- Graphical, easy-to-read format



JFK 2023 Award Winners

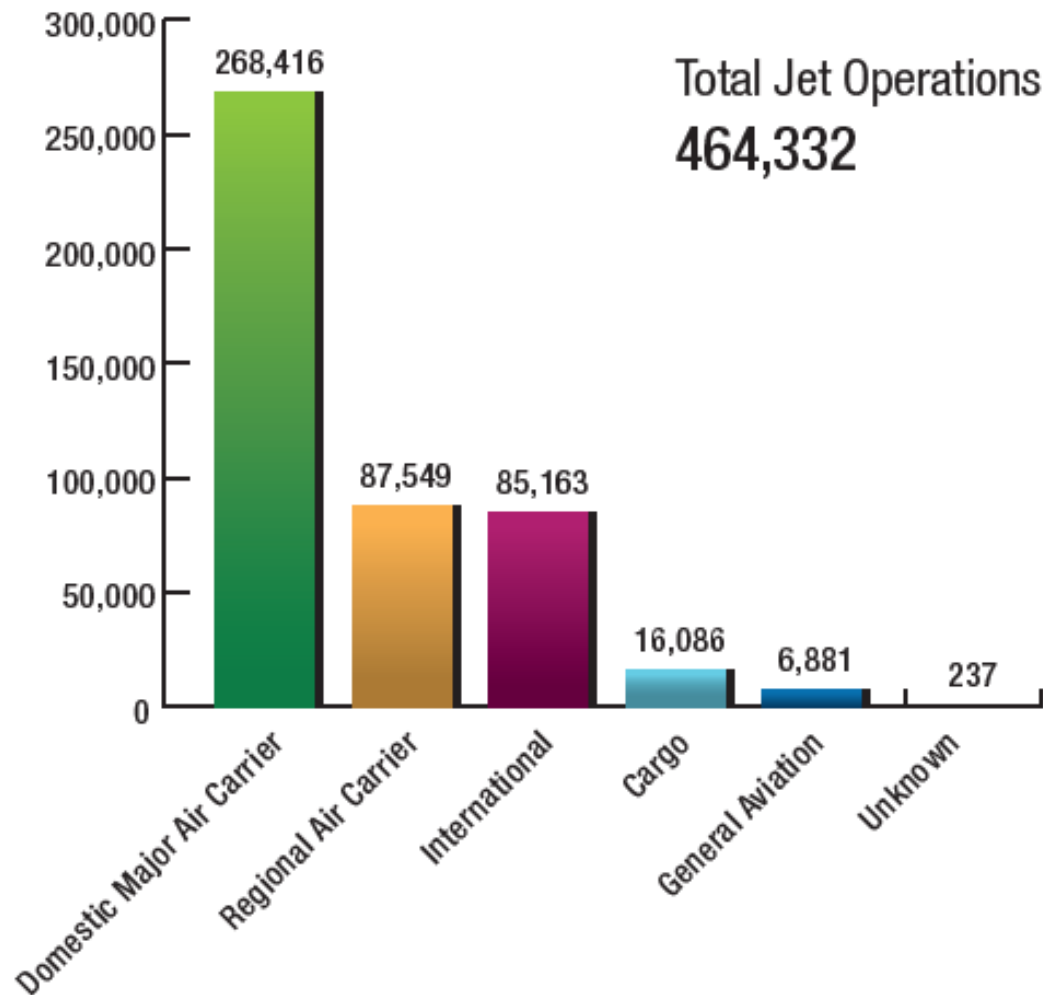
- JFK FQP awarded seven Silver Tier Airlines
- Gold Tier not available for year 2023 because:
 - Roundtable meeting participation was not available
 - Dashboard reports were not available for access

CONGRATULATIONS TO THE WINNERS OF THE JFK FLY QUIET AWARDS 2023		
	GOLD TIER	SILVER TIER
		
DOMESTIC MAJOR AIR CARRIER	GOLD TIER WAS NOT AVAILABLE FOR THE YEAR 2023.*	American Airlines  jetBlue AIRWAYS DELTA  UNITED 
INTERNATIONAL AIR CARRIER	GOLD TIER WAS NOT AVAILABLE FOR THE YEAR 2023.*	 NORSE 
REGIONAL AIR CARRIER	GOLD TIER WAS NOT AVAILABLE FOR THE YEAR 2023.*	NONE
CARGO AIRLINE	GOLD TIER WAS NOT AVAILABLE FOR THE YEAR 2023.*	

Airport Statistics

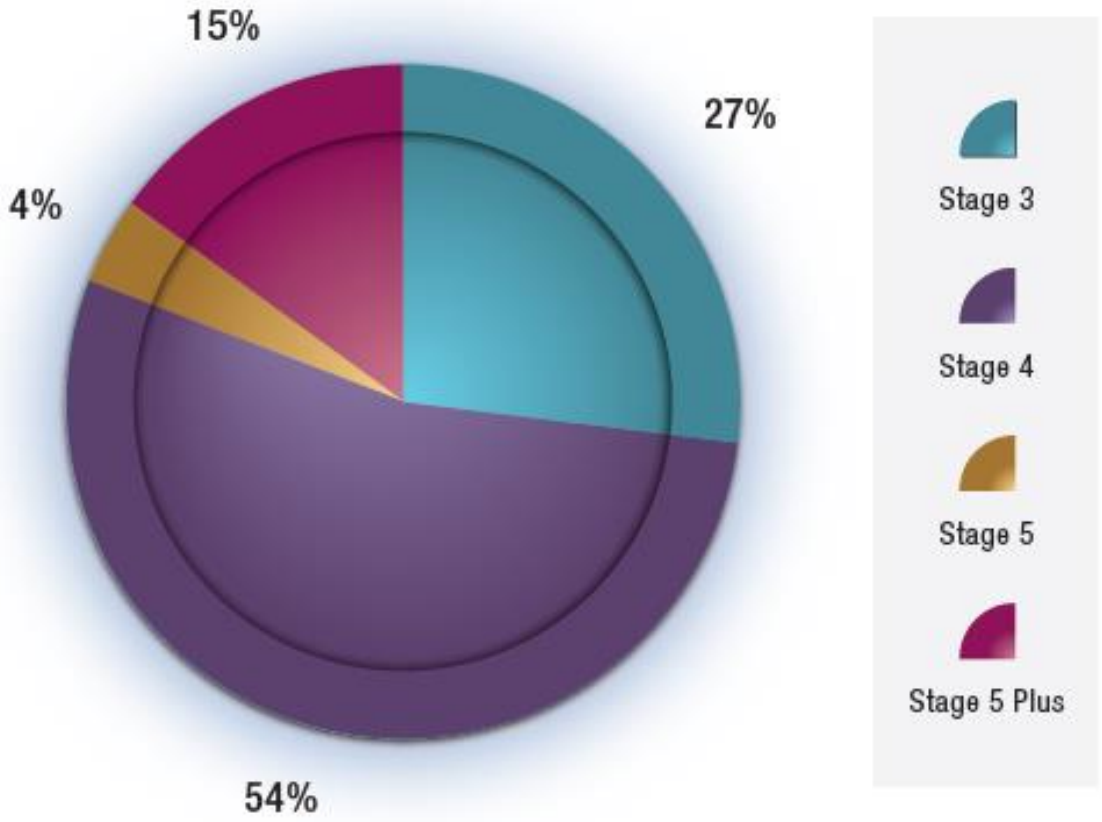


Annual Airport Operations (By Airline Type)



Year	Total Jets
2022	438,040
2023	464,332

Airport-Wide Fleet Mix (By Noise Stage)



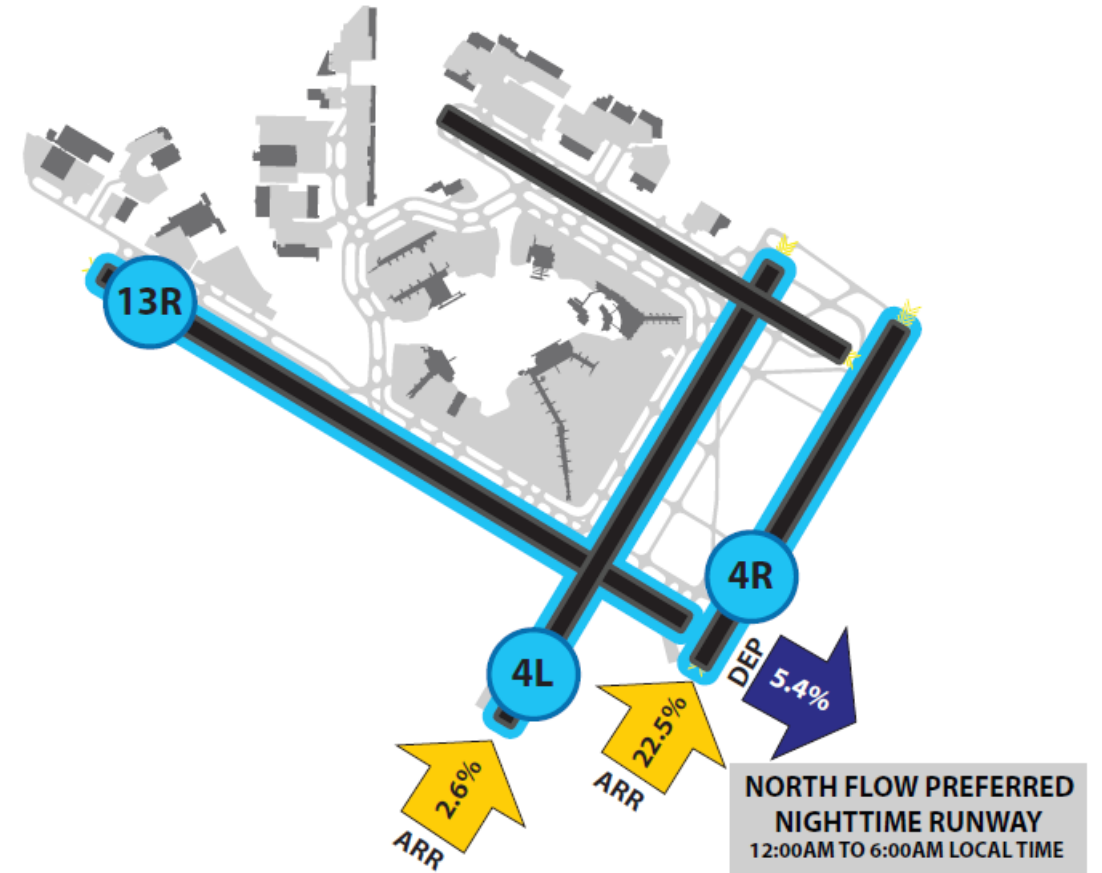
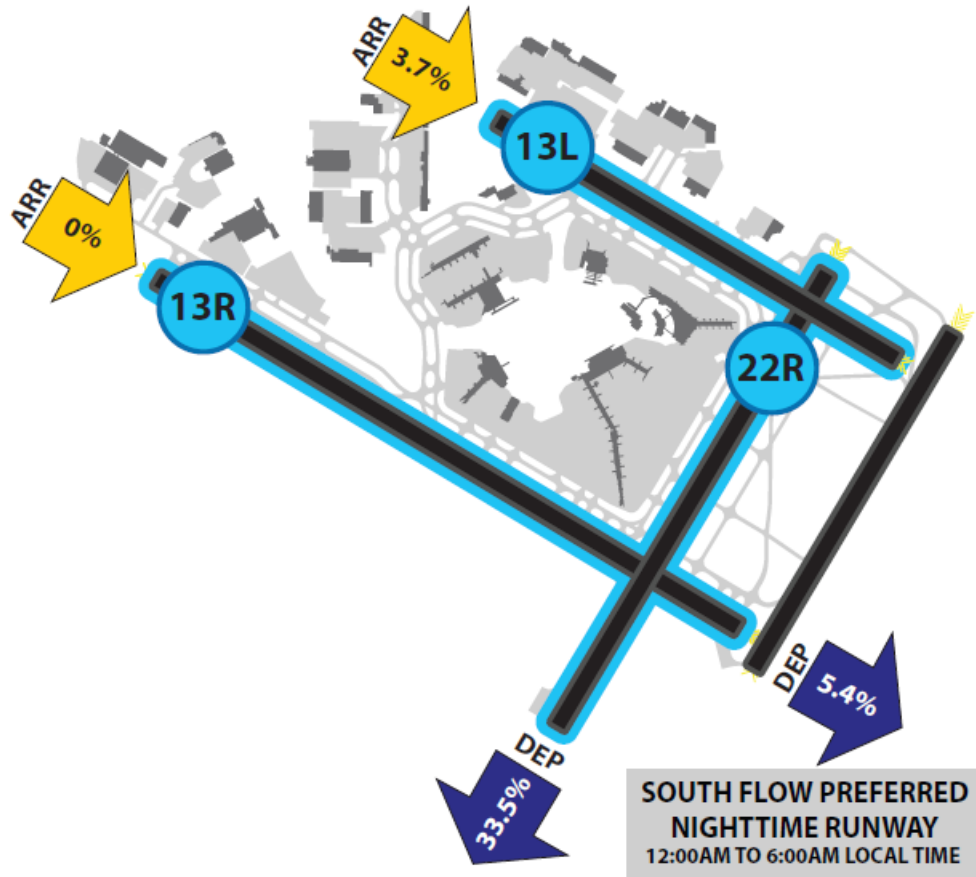
Year	Stage 3	Stage 4	Stage 5	Stage 5+
2022	26%	58%	4%	12%
2023	27%	54%	4%	15%

Noise Stage is a measurement of how loud an aircraft is, with Stage 3 generating the most noise and Stage 5 Plus being the quietest

Late-Night Preferential Runway Use

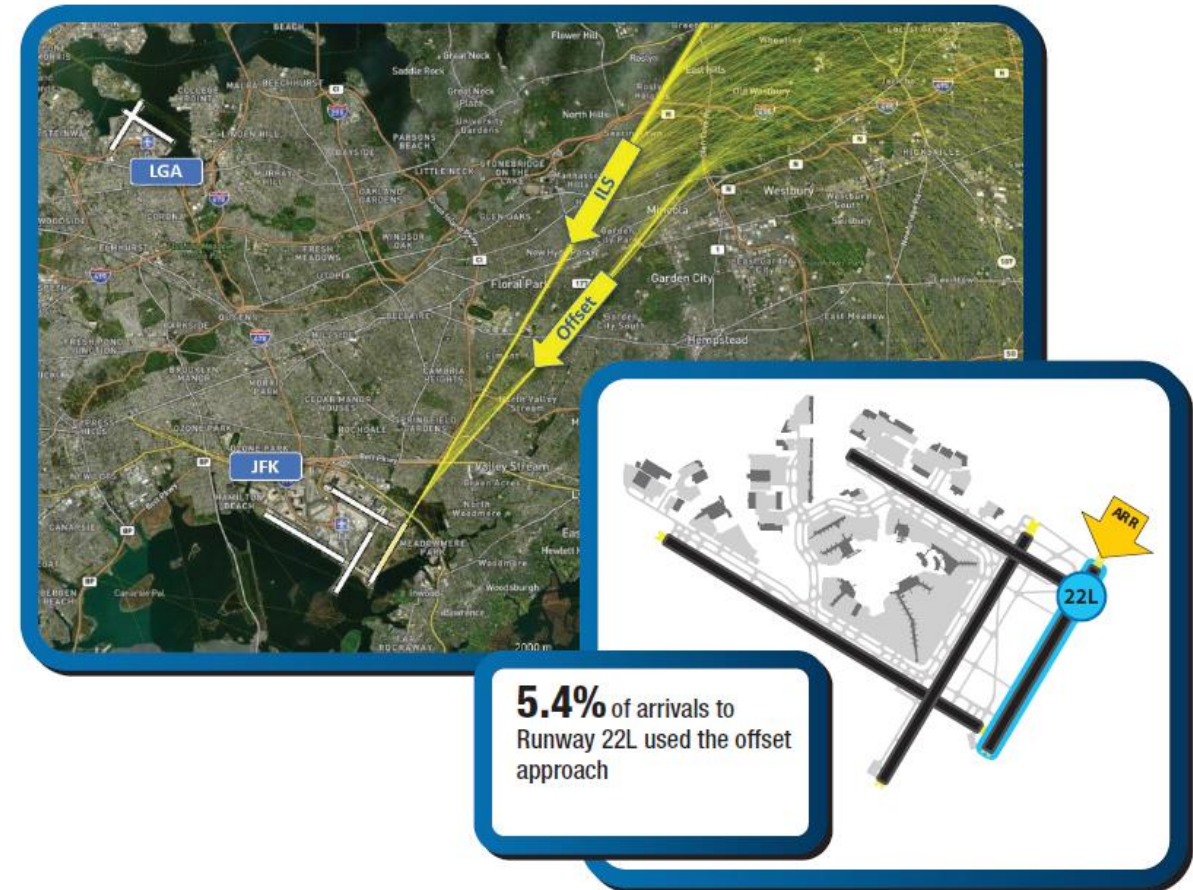
- “Late-night” hours are defined as 12AM-6AM local time
- The assignment of a runway to an individual aircraft operation depends on several factors:
 - Which runways are available for use
 - Wind direction
 - Weather conditions
 - Air traffic control operational needs
 - Runway length versus the weight of the aircraft

Late-Night Preferential Runway Use



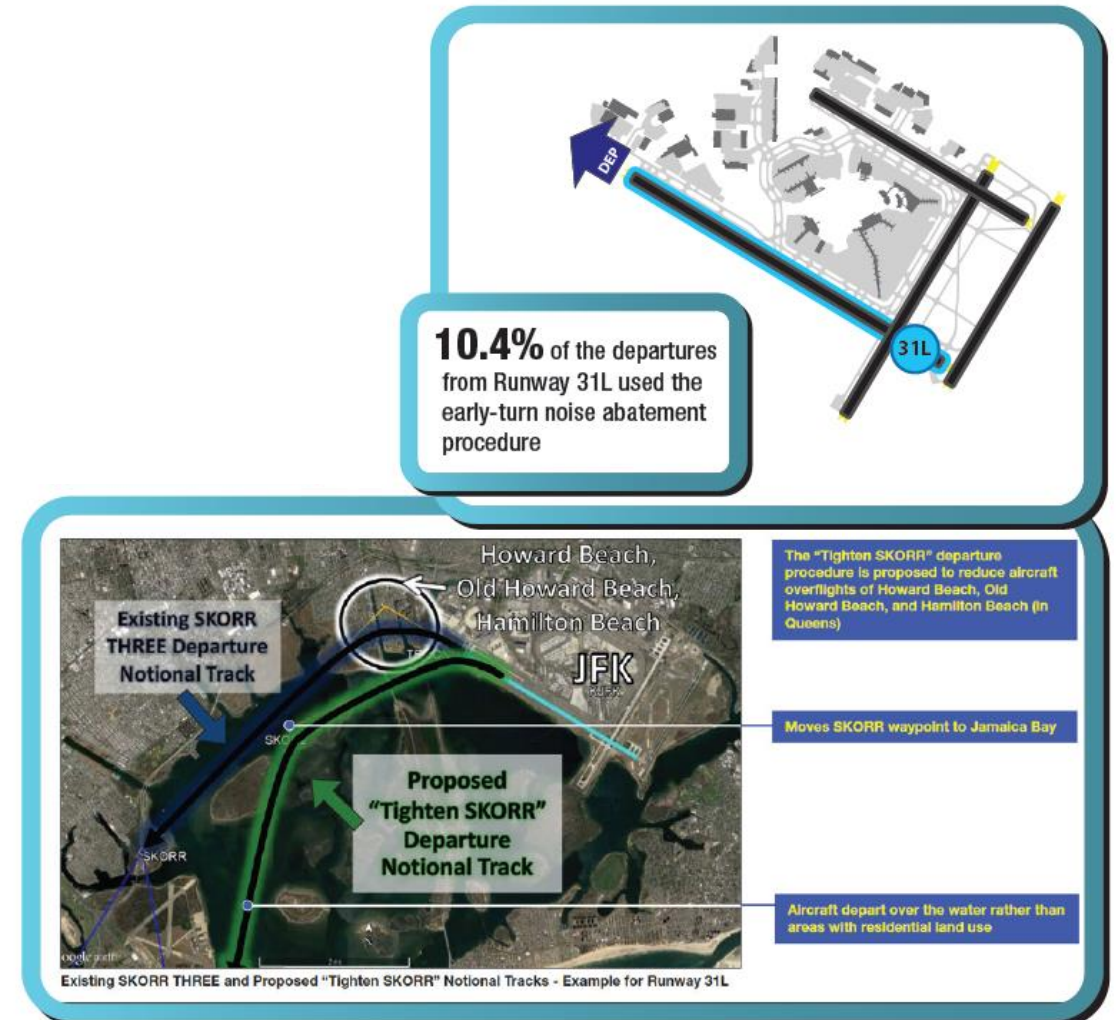
Flight Procedure Use – Runway 22L Approach

- Runway 22L RNAV “Offset” Approach
 - Aircraft approach the runway at an angle instead of lined up directly with the runway
- Flight procedures are assigned by FAA Air Traffic Control and depend on runway availability, wind, weather, air traffic at other airports, and other operational needs



Flight Procedure Use – SKORR Departure

- Aircraft make the left turn earlier after departing from Runway 31L, flying over Jamaica Bay
- SKORR procedure is currently under development by the FAA and anticipated to be formally published in April 2025
- As an interim measure, the FAA has asked pilots to turn left earlier when safe and feasible



Summary



Next Steps

- **Release 2023 FQP Reports**

- Website posting, roundtable briefing, airline Focus Group meeting

- **Technical Manual**

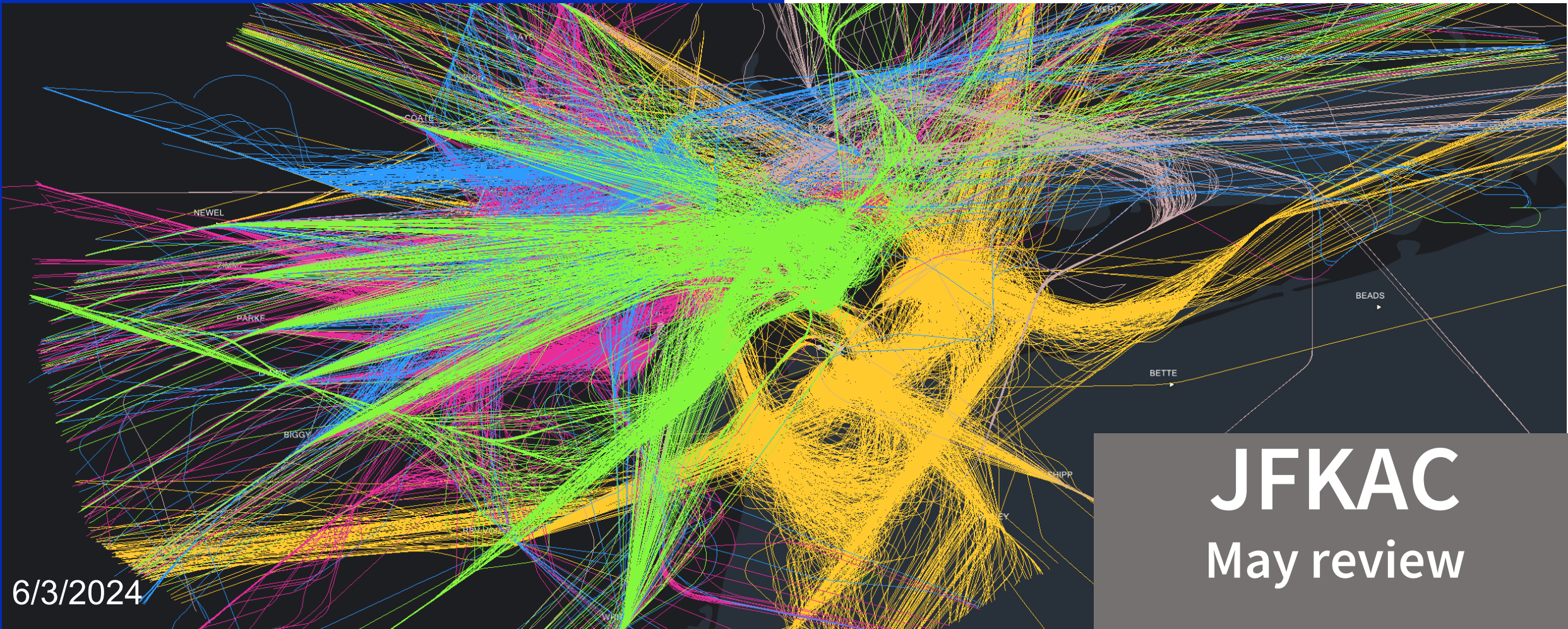
- Will be published to provide detailed information on the scoring system and fleet noise quality methodology

- **Future years**

- Release Annual Reports in April of the following year

Discussion





6/3/2024

JFKAC

May review

**PORT
AUTHORITY
NY NJ**

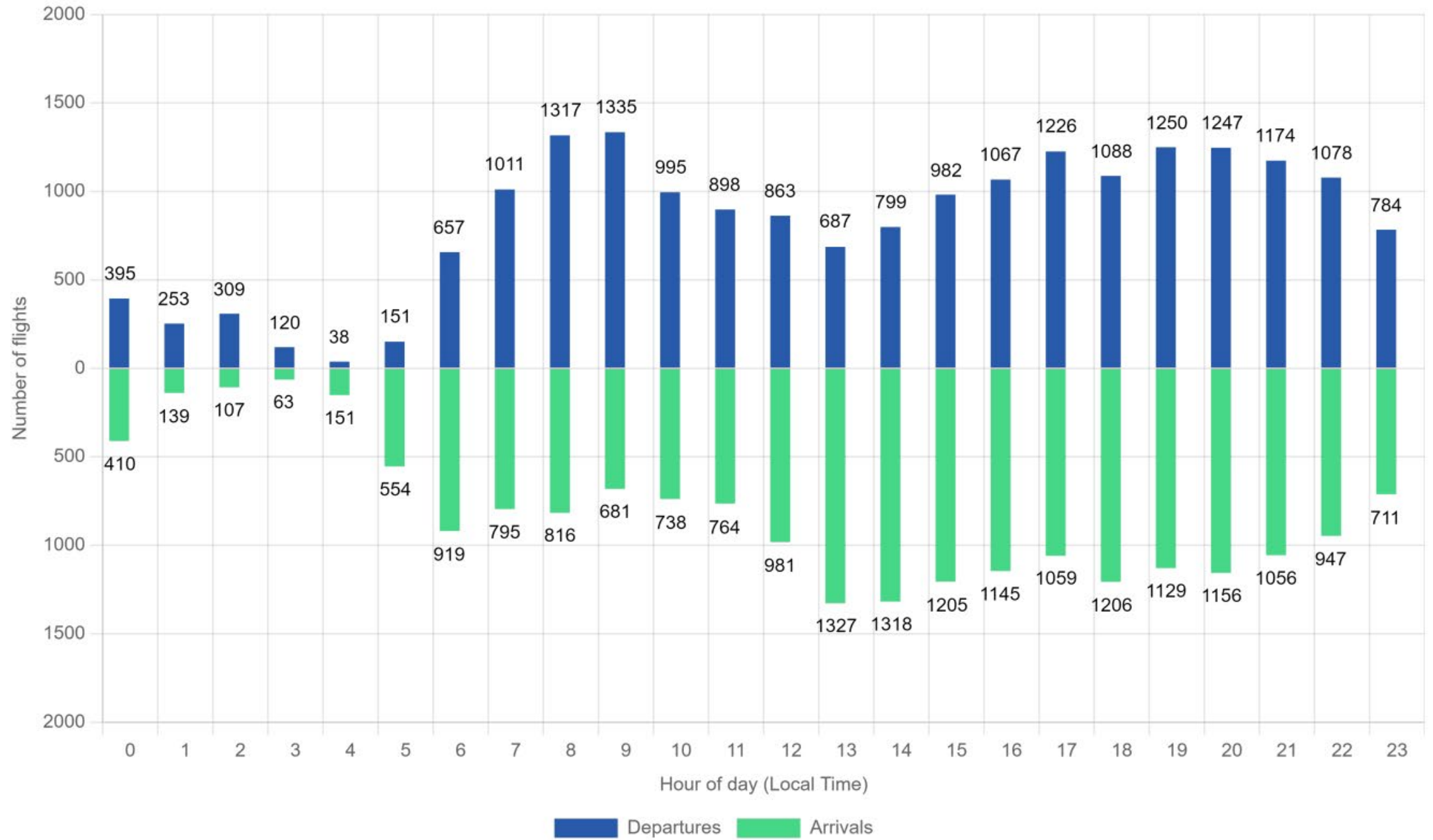
AIR LAND RAIL SEA

Presented by
Ralph Tamburro
Authority of NY/NJ

Airspace Performance Report

KJFK	
	Current
Arrivals	19377
Departures	19724
Total Operations	39101

KJFK: Hourly Operations



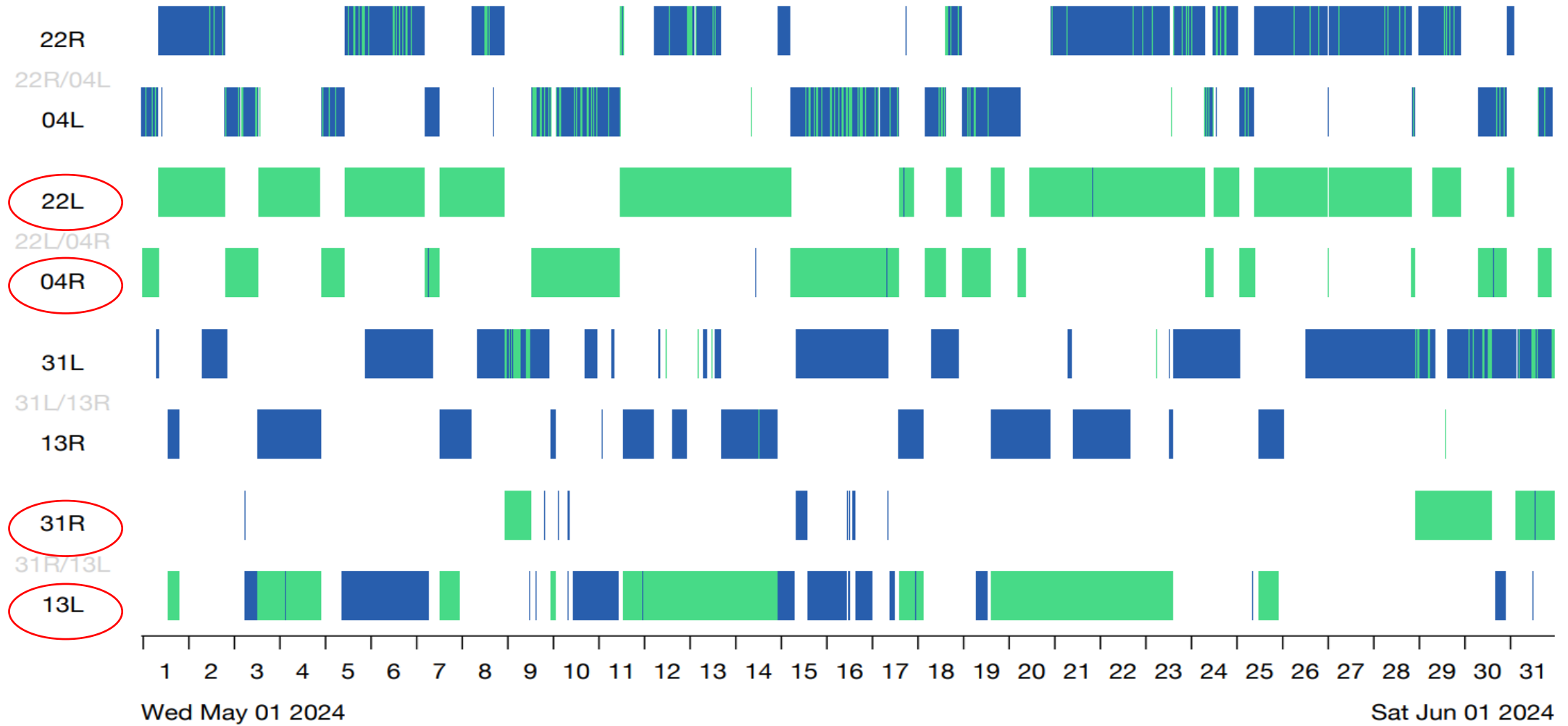
Airspace Performance Report



KJFK: Runway Operations			
Runway	Orientation	Departures	Arrivals
	22R	35.82%	3.38%
	13R	27.57%	0.06%
	04L	24.43%	2.96%
	31L	11.67%	1.23%
	13L	0.37%	21.97%
	31R	0.08%	4.41%
	04R	0.04%	23.84%
	22L	0.02%	42.17%



KJFK: Hourly Airport Configuration



Departures Arrivals

Questions



“A World Class Operator of World Class Airports”