



CITY OF FORT LAUDERDALE

DRAFT

**AVIATION ADVISORY BOARD MEETING MINUTES
FORT LAUDERDALE EXECUTIVE AIRPORT
RED TAILS CONFERENCE ROOM
6000 NW 21 AVENUE, FORT LAUDERDALE, FLORIDA
WEDNESDAY, DECEMBER 1, 2022 – 1:30 P.M.**

	Attendance	Cumulative Attendance 7/2022 - 6/2023	
		Present	Absent
Board Members			
Louis Gavin, Chair	A	3	1
Mark Volchek, Vice Chair	P	3	1
David Ash	P	3	1
William Gilbert	P	4	0
Jeff Johnson	P	4	0
Dr. Ed Kwoka [via Zoom]	P	3	1
Robert Laughlin	P	4	0
Kevin Macelhaney	P	3	1
Valerie Vitale	P	4	0
John Vratsinas	P	4	0
Non-Voting			
Commissioner Marlon Bolton	P	3	1
Jeff Helyer, City of Oakland Park	P	4	0

Airport/City Staff

Rufus A. James, Airport Director
Carlton Harrison, Assistant Airport Director
Khant Myat, Project Manager II
Jeri Pryor, Program Manager I
Susan Grant, Assistant City Manager
Miguel Laca, Financial Administrator
Linda Blanco, Senior Administrative Assistant

Others

Carla Blair, Recording Secretary, Prototype, Inc.

CALL TO ORDER

Vice Chair Volchek called the meeting to order at 1:32 p.m.

ROLL CALL

Roll was called and a quorum was determined to be present.

Motion made by Mr. Laughlin seconded by Mr. Vratsinas to allow Dr. Kwoka to attend the meeting via Zoom. In a voice vote, the motion passed unanimously.

APPROVAL OF MINUTES

- **October 27, 2022**

Motion made by Mr. Vratsinas, seconded by Mr. Johnson, to approve the minutes of the October 27, 2022 meeting as presented. Motion passed unanimously.

VOTING ITEMS

1. Public Transportation Grant Agreement from FDOT for FXE Taxiway Bravo and Quebec Realignment Project - \$1,633,600

Mr. Myat provided the presentation and recommended Board approval.

Motion made by Mr. Johnson, seconded by Mr. Macelhaney, to approve the Public Transportation Grant Agreement from FDOT for FXE Taxiway Bravo and Quebec Realignment Project for \$1,633,600. In a voice vote, the motion passed unanimously.

2. Contract Award to Weekley Asphalt Paving, Inc. for the FXE Midfield Run-Up Expansion Project – \$2,384,660

Mr. Myat provided the presentation and recommended Board approval.

Considerable discussion ensued, with Dr. Kwoka suggesting the Board table the item.

Motion made by Mr. Vratsinas to table the item to the Board's next meeting. Motion died for lack of a second.

Motion made by Mr. Laughlin, seconded by Mr. Macelhaney, to approve the Contract Award to Weekley Asphalt Paving, Inc. for the FXE Midfield Run-Up Expansion Project for \$2,384,660.

In a voice vote, the motion to approve the contract award passed 8 - 1 with Mr. Vratsinas opposed.

3. Contract Award to Weekley Asphalt Paving, Inc. for the FXE Runway 9 Run-Up Area Relocation and Southend Taxiway Intersection Improvements Project - \$3,998,333

Mr. Myat provided the presentation and recommended Board approval.

Motion made by Mr. Macelhaney, seconded by Mr. Vratsinas, to approve the Contract Award to Weekley Asphalt Paving, Inc. for the FXE Runway 9 Run-Up Area Relocation and Southend Taxiway Intersection Improvements Project for \$3,998,333. In a voice vote, the motion passed unanimously.

UPDATE ITEMS

A. Noise Compatibility Program

Ms. Pryor reported there were seven noise calls in October, which was normal. Since then, the numbers doubled due to people being home during the Thanksgiving holiday.

Ms. Pryor stated they were still waiting for FPL to restore power to the pole for noise monitor 1 at Dixie Highway and McNab Road. Mr. James noted that when they received noise calls, they investigated whether the sound exceeded the 80-decibel range and in most instances, they did not. There was one G-3 with a hush kit that generated calls whenever it took off. Airport staff requested unsuccessfully that the plane be relocated. Mr. James explained that he was informed that the pilot maxed out on fuel before departing, causing him to perform a slow climb, which Mr. James considered unsafe.

Ms. Pryor stated most calls were from one resident, who lives near noise monitor 3. Noise monitor 1 was located at the end of Runway 9 so she suspected once it was back online, there would be more instances of noise exceeding the 80-decibel limit because it is closest to the Airport and would be subject to capturing all Airport noise. Mr. Harrison stated that noise monitor 2 is the one that the Airport takes all of its exceeding 80-decibel measurements from.

Ms. Pryor thanked the Board members for their time and effort.

B. Development and Construction

Mr. Harrison reported the taxiway intersection improvement project was progressing; they were currently in phase 1-E, which included closing access between Alpha-3 and Bravo. He explained the goal was to stop Taxiway Hotel from running straight across the runway, per FAA orders. They added a taxiway in the middle, for use from Hotel or Quebec with minimal additional time on the taxiway system. The goal was to force stop points and prevent direct access to the runway.

Mr. Harrison stated the Operational statistics for October were in the Board's packet.

C. Arrearages

Mr. James said there were currently no lease or fuel flowage arrearages. He reported the tenant on Lots 41 and 42 was paid in full.

D. Communication to the City Commission

None

E. Other Items

i. Public Comments

Mr. Vratsinas congratulated Mr. James and Airport staff on the success of the 5K On the Runway for Trustbridge Hospice. He noted that this was the perfect venue for such an event.

Mr. James said this was the fourth year for the 5K on the Runway for Trustbridge Hospice and they had exceeded their goal and raised \$105,000, all of which would go to the Foundation. He said this year it felt easier and attributed this to Mr. Johnson and his group of students. More than 800 people attended. Mr. James hoped Ms. Vitale would allow Board members to visit the facility in the future to see what a great operation it is. Ms. Vitale thanked all the volunteers.

Commissioner Bolton thanked everyone for their hard work and said serving on the Board was an amazing opportunity to be around the pilots who attended the Board meetings. He wished everyone Happy Holidays and invited everyone to attend the City of Tamarac tree lighting later that day at the Tamarac Community Center.

Mr. James thanked Board members for their service on the Board and wished everyone Happy Holidays. He introduced Assistant City Manager, Susan Grant. Ms. Grant stated she was looking forward to working with the Board.

Vice Chair Volchek thanked staff and wished everyone Happy Holidays.

ADJOURNMENT

There being no further business to come before the Board at this time, the meeting was adjourned at 2:53 p.m.

NEXT SCHEDULED MEETING DATE: Thursday, January 26, 2023 at 1:30 P.M.

Any written public comments made 48 hours prior to the meeting regarding items discussed during the proceedings have been attached hereto.

Minutes prepared by J. Opperlee, Prototype, Inc.

VOTING ITEM 1

DATE: January 26, 2022
TO: Aviation Advisory Board
FROM: Rufus A. James, Airport Director 
BY: Khant Myat, Project Manager II/Airport Engineer
SUBJECT: Public Transportation Grant Agreement with the Florida Department of Transportation for the Environmental Assessment of Runway 9 Extension

Fort Lauderdale Executive Airport's (FXE) existing Master Plan was developed to provide for future airfield and non-airfield development options for 5-years, 10-years, and 20-year periods. The development of a Master Plan was completed in 2019 and included a future project for a one-thousand-foot extension of Runway 9. Prior to programming grant funding, the Federal Aviation Administration (FAA) and Florida Department of Transportation (FDOT) requires the completion of an Environmental Assessment (EA).

The EA will describe the need for the proposal, environmental impacts of the proposed action, and alternative consideration. As required by 215.971, Florida Statutes, this scope of work includes but is not limited to consultant fees, survey and data acquisition costs, and all incidentals required to complete the environmental assessment in accordance with FAA Order 1050.1 Environmental Impacts.

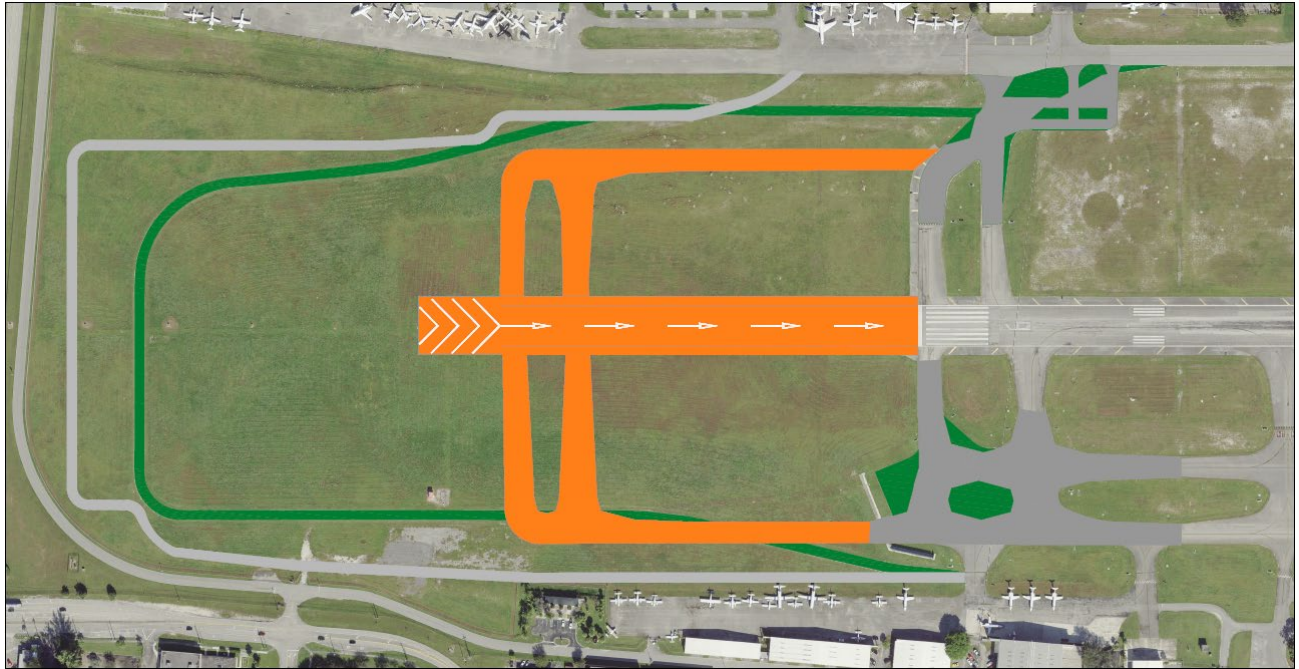
The runway extension will reduce payload penalties for some larger jet aircraft and/or increase aircraft range as well as increase capacity. Additionally, the extension will result in a displaced threshold at the western end used only by aircraft departing the Airport to the east. The parallel Taxiways Echo to the south and Foxtrot to the north will provide necessary access to the proposed Runway 9 western extension (Exhibit 1).

Based on the estimated study cost of \$500,000, FDOT is providing a Public Transportation Grant Agreement in the amount of \$400,000 for up to 80% of the projected costs, while the Airport is providing 20% of the design cost in the amount of \$100,000.

Staff Recommendation


Staff recommends approving the Public Transportation Grant Agreement with the Florida Department of Transportation for the FXE Environmental Assessment of Runway 9 Extension.

**VOTING ITEM 1
EXHIBIT 1**



Project Area – For Reference Only

VOTING ITEM 2

DATE: January 26, 2022
TO: Aviation Advisory Board
FROM: Rufus A. James, Airport Director 
BY: Khant Myat, Project Manager II/Airport Engineer
SUBJECT: Public Transportation Grant Agreement with the Florida Department of Transportation for the Replacement of the Aircraft Rescue and Fire Fighting Vehicle

The Board may recall that the Fort Lauderdale Executive Airport (FXE) owns an Oshkosh T-1500 Aircraft Rescue and Fire Fighting (ARFF) vehicle. This vehicle is operated by Fort Lauderdale Fire Rescue personnel with an inter-fund transfer from the Airport fund to the Fire budget to cover these costs (Exhibit 1).

The current vehicle was built in 2006, was delivered to the Airport and put in service in 2007 with an estimated life cycle of 12 years. The Airport purchased the vehicle for \$680,000 with the assistance of the Florida Department of Transportation (FDOT) through a Joint Participation Agreement (JPA) for 50% of the acquisition cost.

Although the Executive Airport is not required to have ARFF service on the field because we have no scheduled airline service, we believe that as a benefit to the users of the Airport and, above all else, in the interest of safety, we want to maintain this service at FXE.

The estimated replacement cost of the vehicle is \$1,200,000 and FDOT has again agreed to assist with the purchase of the new ARFF vehicle and has initiated a Public Transportation Grant Agreement (PTGA) for a portion of the acquisition cost. The initial FDOT participation will be up to \$425,000 and will be funded through this grant. A set of specifications will be developed to be put out for competitive bid.

Staff Recommendation


Staff recommends that the Public Transportation Grant Agreement with the Florida Department of Transportation for the City to accept up to \$425,000 for a portion of the cost to acquire a new Airport Rescue Fire Fighting vehicle.

**VOTING ITEM 2
EXHIBIT 1**



Existing FXE Aircraft Rescue and Fire Fighting Vehicle

UPDATE ITEM A

DATE: January 26, 2023
TO: Aviation Advisory Board
FROM: Rufus A. James, Airport Manager 
BY: Jeri Pryor, Airport Programs Manager
SUBJECT: Noise Compatibility Program Update

The total number of annual noise calls/reports, as seen in the first graph below, has primarily decreased since 2009 with the exception of a slight increase of noise calls/reports between 2021 and 2022. In comparison during the same timeframe, the annual aircraft operations have remained approximately between 160,000 and 190,000. In addition, there was a significant reduction in the number of noise calls from 2015 to 2016, which was likely due to the banning of older, noisier jets (known as Stage 1 & 2 jets) as of January 2016.

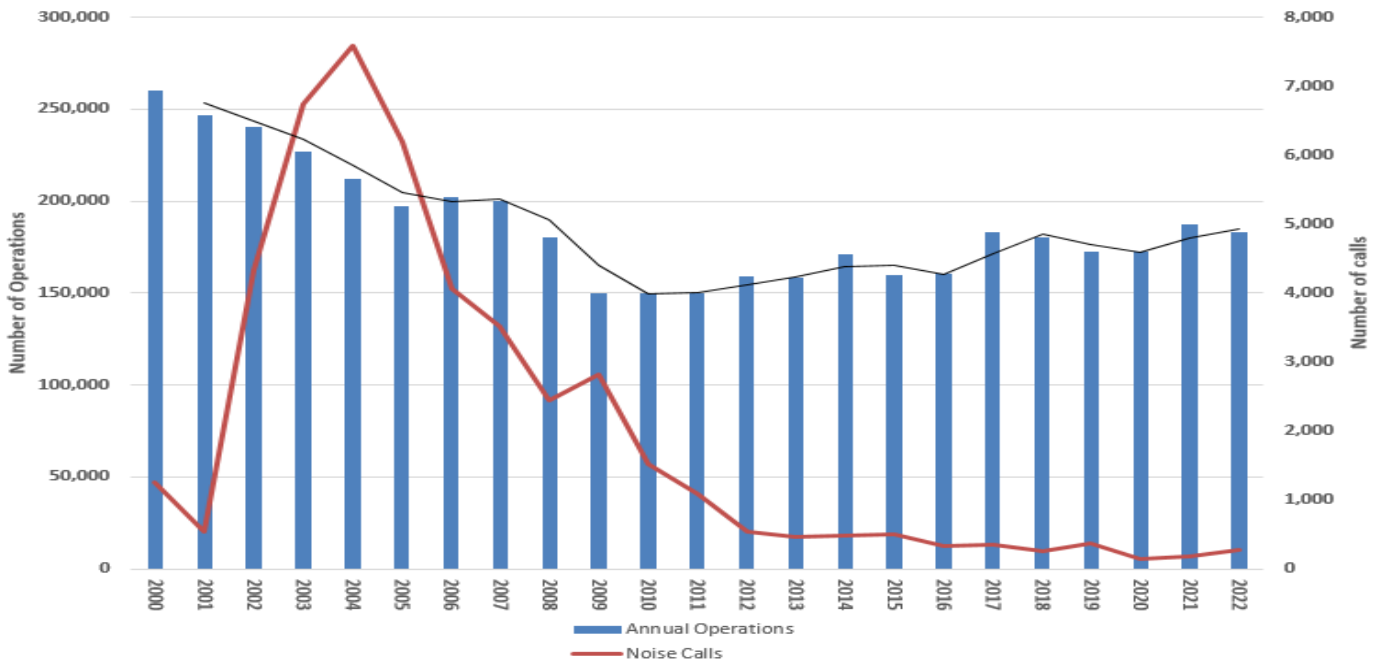
Historically, the noise reports tend to increase during the winter and spring months as demonstrated in the second graph for a cumulative 24-month timeframe between 2020-2022. One main contributing factor of increased noise reports during the winter and spring months is due to the shift in wind patterns. A shift in winds can be attributed to a change in weather patterns.

The west winds are temporary conditions that contributed to approximately 20% of the total jet departures from Runway 27. In contrast to east winds contributing to approximately 79% of the total jet departures from Runway 9 and north and south winds contributing only 1% of the total jet departures from Runways 13 and 31.

FXE experienced an increase of noise reports in 2022 compared to the noise reports in 2021. In 2021, there were 188 noise reports received by 70 households where one household registered 14 or 13% of the total noise reports. Comparatively, in 2022, there were 265 noise reports received from 38 households where *one* household registered 153 or 58% of the total noise reports. The increase of noise reports between the two consecutive years can be contributed to *one* household registering 9 noise reports in 2021 to 153 reports in 2022. Staff reached out to the neighbor on several occasions to discuss concerns regarding aircraft noise. Staff also invited the neighbor to take a tour of the Airport and further discuss airport operations at FXE.

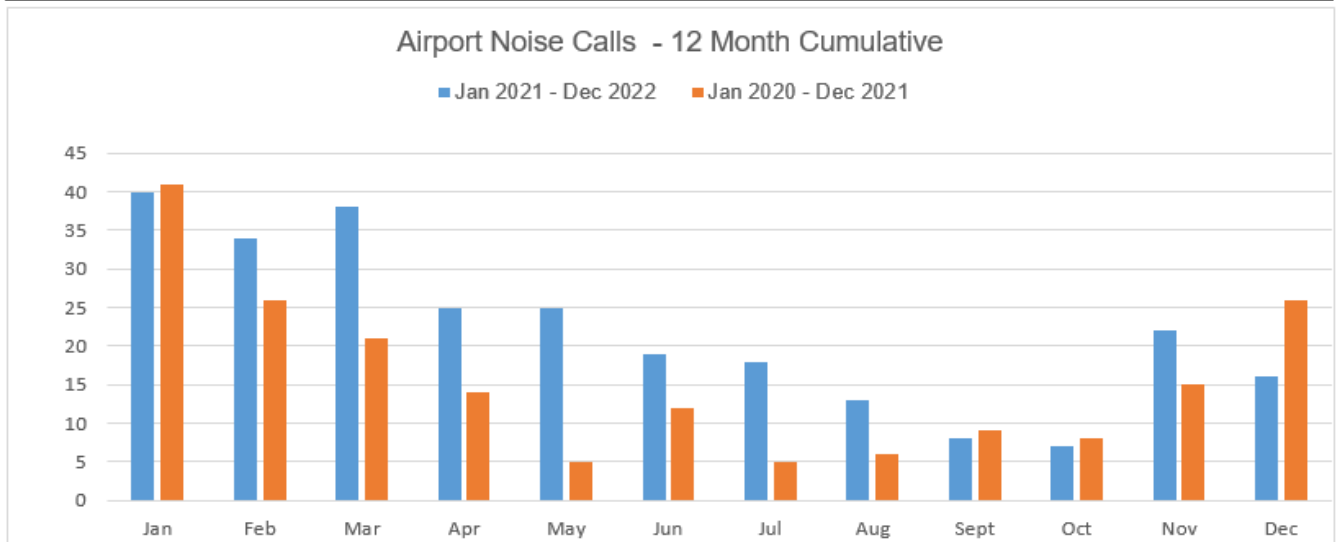
In addition, staff evaluated noise events that registered over 80dB from six noise monitors that are strategically placed throughout the community. Upon evaluation of the noise events, staff conducted outreach and spoke with pilots, aircraft owners, fixed based operators, flight schools, and tenants to review the Voluntary Noise Abatement Program as well as opportunities for mitigating noise events over 80dB in our community. Further, throughout the year, staff issued 22 excessive noise notices and attended 3 community events to discuss the Voluntary Noise Abatement Program and possible solutions to alleviate their concerns.

FXE: Compare Number Aircraft Operations to Noise Calls



Airport Noise Calls - 12 Month Cumulative

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Totals
Jan 2021 - Dec 2022	40	34	38	25	25	19	18	13	8	7	22	16	265
Jan 2020 - Dec 2021	41	26	21	14	5	12	5	6	9	8	15	26	188





COOPERATIVE NOISE ABATEMENT EFFORT

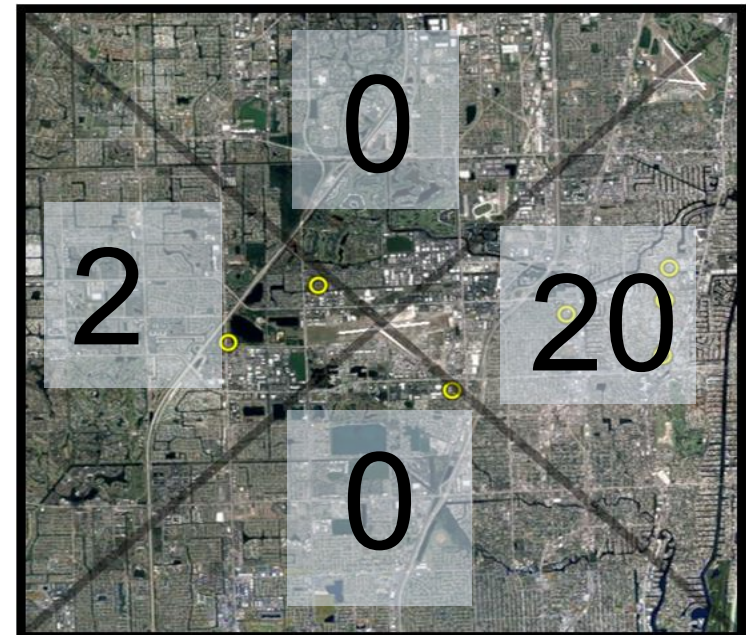
Month of November, 2022

January 26, 2023

Noise Reports By Quadrant

Jet Departures and Noise	Oct-22	Nov-22
Total Jet Departures	1136	1098
Runway 27 Jet Departures	205	218
Runway 9 Jet Departures	930	877
Runway 13/31 Jet Departures	1	3
Runway 9 Jet Departure, I-95 Turns	578	521
Runway 9 Jet Departure, % I-95 Turns	62%	59%
Jets over 80 dB at Monitor #1	*	*
Jets over 80 dB at Monitor #2	2	1

Noise Reports	Oct-22	Nov-22
Number of Households - FXE Noise Only	3	5
Number of Noise Reports - Jets	6	18
Number of Noise Reports - Propellers Single-Engine	1	3
Number of Noise Reports - Propellers Multi-Engine	0	1
Number of Noise Reports - Helicopters	0	0
Number of Noise Reports - Unmatched	0	0
Number of Noise Reports - DT1	0	0
Total Number of Noise Reports for FXE	7	22



Note: The equipment for Noise Monitoring Terminal (NMT) # 1 was removed on 12/12/2020 for deconstruction of Broward County's water tank tower. Broward County to reinstall noise monitor upon coordination with FXE, FPL and Envirosuite.



COOPERATIVE NOISE ABATEMENT EFFORT

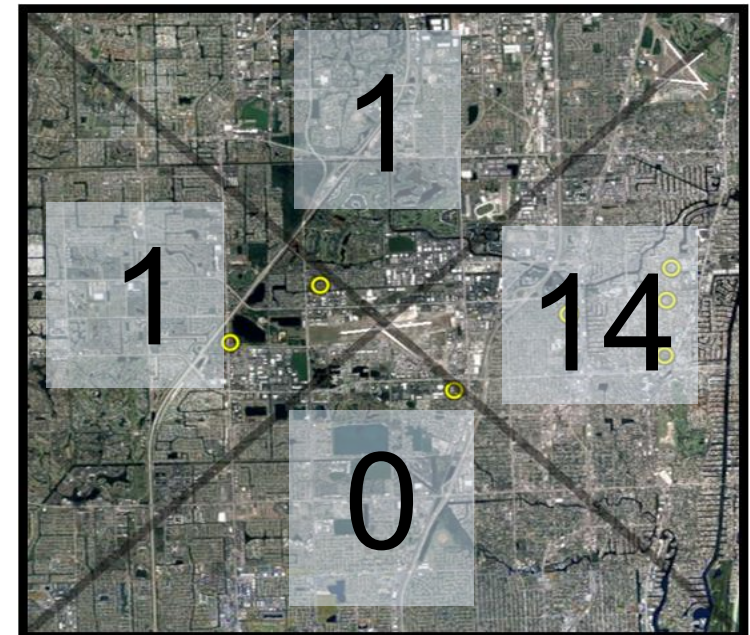
Month of December, 2022

January 26, 2023

Noise Reports By Quadrant


Jet Departures and Noise	Nov-22	Dec-22
Total Jet Departures	1098	1348
Runway 27 Jet Departures	218	456
Runway 9 Jet Departures	877	877
Runway 13/31 Jet Departures	3	15
Runway 9 Jet Departure, I-95 Turns	521	515
Runway 9 Jet Departure, % I-95 Turns	59%	59%
Jets over 80 dB at Monitor #1	*	*
Jets over 80 dB at Monitor #2	1	4

Noise Reports	Nov-22	Dec-22
Number of Households - FXE Noise Only	5	6
Number of Noise Reports - Jets	18	10
Number of Noise Reports - Propellers Single-Engine	3	3
Number of Noise Reports - Propellers Multi-Engine	1	2
Number of Noise Reports - Helicopters	0	1
Number of Noise Reports - Unmatched	0	0
Number of Noise Reports - DT1	0	0
Total Number of Noise Reports for FXE	22	16



Note: The equipment for Noise Monitoring Terminal (NMT) # 1 was removed on 12/12/2020 for deconstruction of Broward County's water tank tower. Broward County to reinstall noise monitor upon coordination with FXE, FPL and Envirosuite.

UPDATE ITEM B

DATE: January 26, 2023
TO: Aviation Advisory Board
FROM: Rufus A. James, Airport Director 
BY: Benjamin J. Gatti, Airport Operations Specialist
VIA: Carlton M. Harrison, Assistant Airport Director
SUBJECT: Development and Construction

12455 – Taxiway Intersection Improvements Project

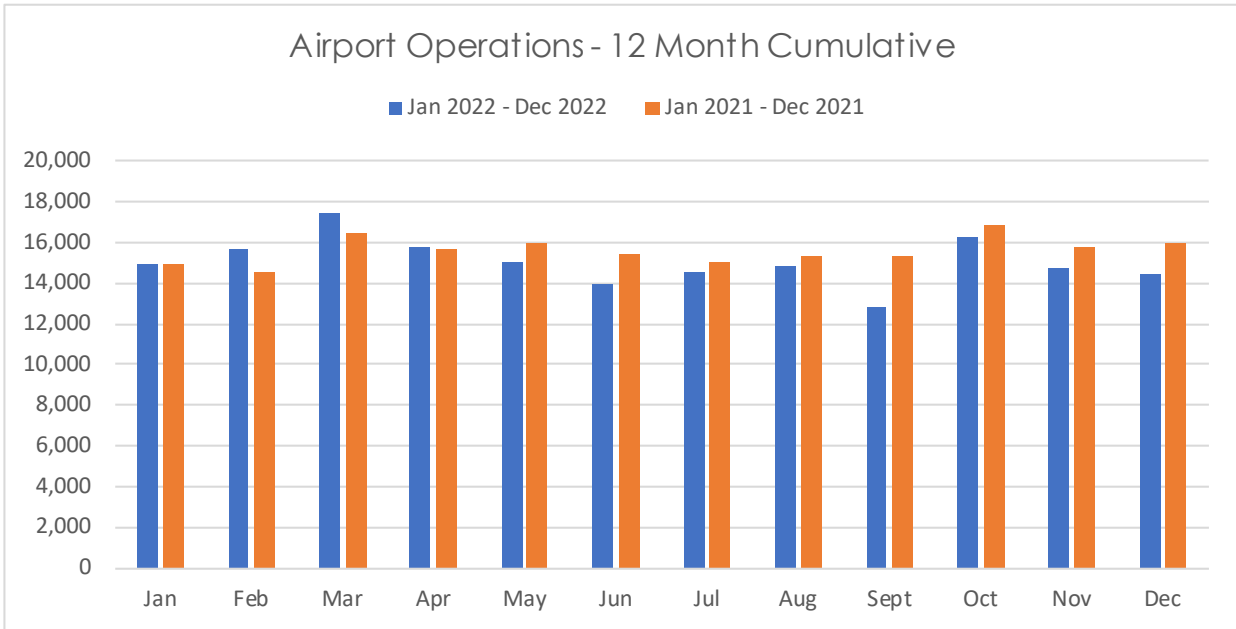
This project involves demolition of taxiways Hotel and Quebec between taxiways Alpha and Echo with the construction of a new centralized taxiway. Included in the project is paving of the new connector taxiway as well as portions of taxiways Echo, Alpha, Hotel and Quebec. Additionally, new LED taxiway edge lights, guidance signs, pavement striping, and sodding will be completed as part of the project.

Phase 1E was completed on December 22nd. Phase 1E consisted of a closure of Taxiway Alpha, between Taxiways A3 and Bravo. This phase consisted of the removal of the northern portion of Taxiway Quebec between Taxiways Alpha and Echo. New taxiway light fixtures were installed, new pavement was applied on Taxiway A between Taxiway A4 and Taxiway B, and new sod was applied. Phase 1F began after the holiday hiatus on January 4th with an expected completion date of January 18th. Phase 1F consists of a closure of Taxiway Echo between Taxiway Hotel and the Runway 13 South Run-up Pad. This phase consists of the removal of the southern portion of Taxiway Quebec between Taxiways Alpha and Echo and the installation of new taxiway light fixtures.



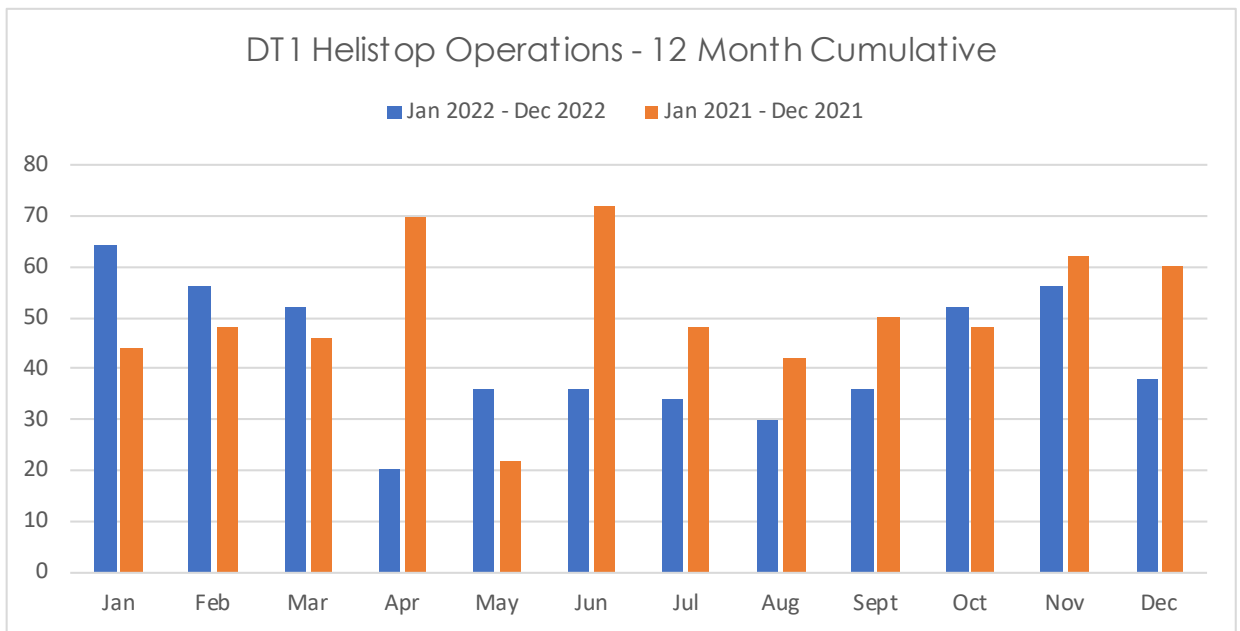
Airport Operations - 12 Month Cumulative

Jan 2022 - Dec 2022	14,980	15,680	17,474	15,760	15,044	13,895	14,505	14,870	12,822	16,286	14,738	14,451	180,505	
Jan 2021 - Dec 2021	14,915	14,538	16,460	15,685	15,896	15,464	15,067	15,292	15,310	16,806	15,775	15,935	187,143	



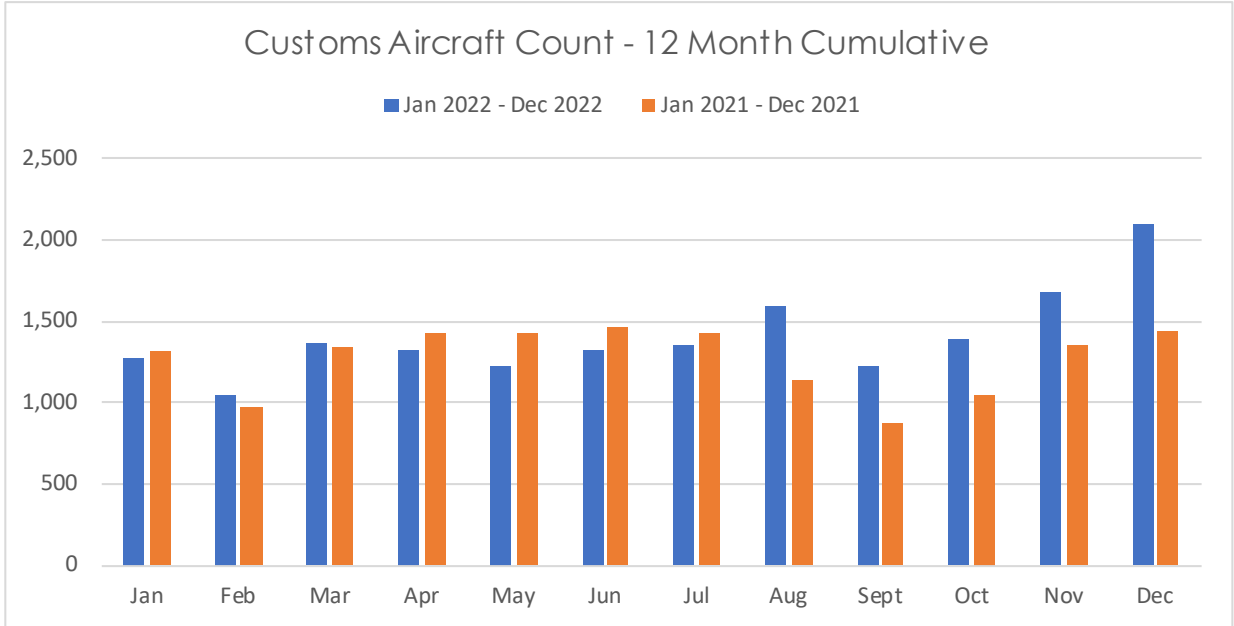
DT1 Helistop Operations - 12 Month Cumulative

Jan 2022 - Dec 2022	64	56	52	20	36	36	34	30	36	52	56	38	510
Jan 2021 - Dec 2021	44	48	46	70	22	72	48	42	50	48	62	60	612



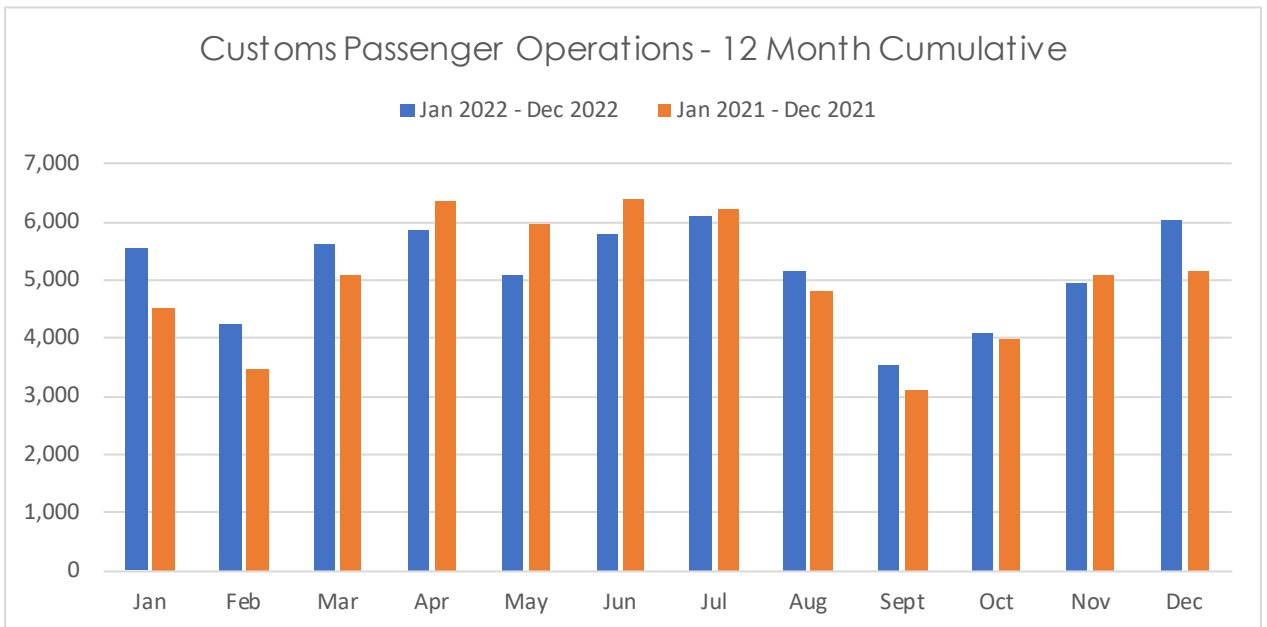
Customs Aircraft Count - 12 Month Cumulative

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Totals
Jan 2022 - Dec 2022	1,278	1,053	1,364	1,324	1,223	1,325	1,354	1,591	1,226	1,391	1,674	2,090	16,893
Jan 2021 - Dec 2021	1,315	970	1,332	1,430	1,425	1,461	1,431	1,134	877	1,045	1,344	1,434	15,198



Customs Passenger Operations - 12 Month Cumulative

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Totals
Jan 2022 - Dec 2022	5,560	4,256	5,623	5,856	5,076	5,787	6,115	5,167	3,532	4,081	4,945	6,040	62,038
Jan 2021 - Dec 2021	4,534	3,476	5,092	6,367	5,958	6,394	6,233	4,789	3,123	4,007	5,089	5,160	60,222

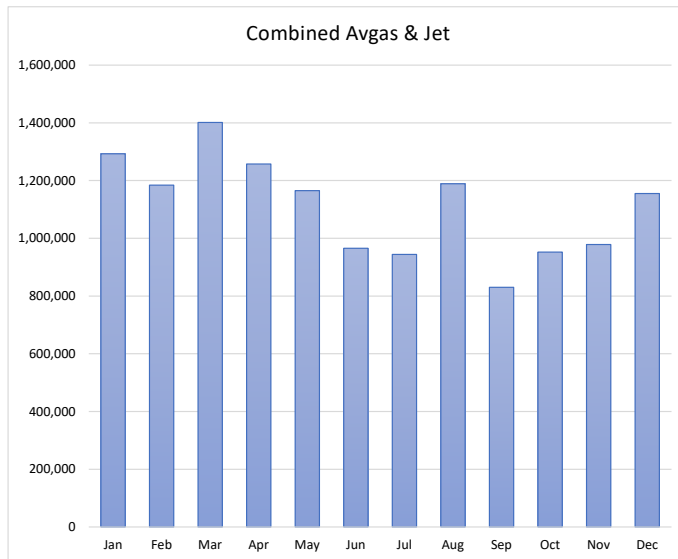
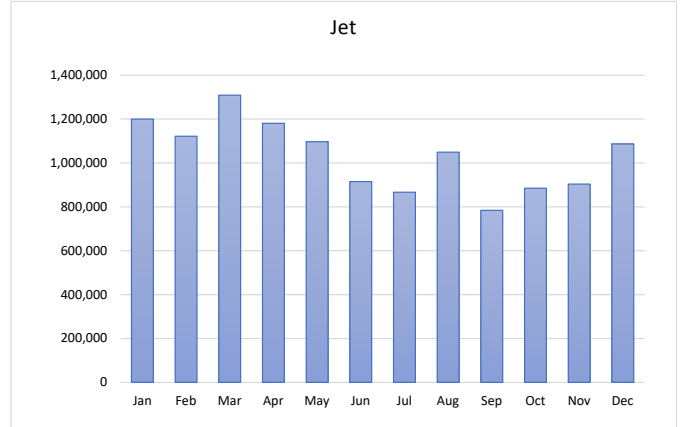
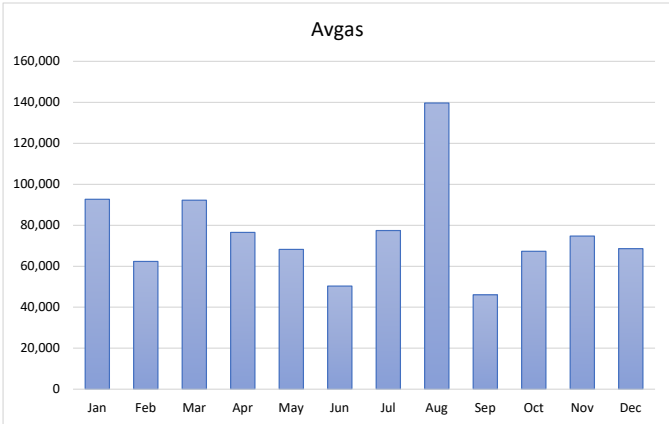


Date	Alert Level	Aircraft Type	Description
11/1/2022	II	Tri-R KIS TR-1	Loss of Engine Power
11/13/2022	I	Cessna 172 Skyhawk	Brake Failure
11/18/2022	I	Piper Chieftain	Landing Gear Malfunction
11/19/2022	I	Cirrus SR20	Flat Right Main
11/22/2022	I	Cessna 172 Skyhawk	Brake Failure
11/23/2022	III	Challenger 600	Brake Failure
11/26/2022	I	Cessna 172 Skyhawk	Flat Nose Gear
11/28/2022	I	Cirrus SR20	Engine Shutdown After Landing

Date	Alert Level	Aircraft Type	Description
12/6/2022	III	Mooney 201	Loss of Directional Control
12/20/2022	II	Diamond DA-62	Unsafe Gear Indicator
12/20/2022	II	Pilatus PC 12/45	Windshield Damage
12/28/2022	I	Cessna 172 Skyhawk	Flat Right Main

2022 Monthly Fuel Flowage (Gallons)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Totals
Avgas	92,697	62,361	92,249	76,527	68,232	50,338	77,442	139,682	46,068	67,314	74,741	68,595	916,246
Jet	1,200,097	1,121,889	1,309,144	1,180,925	1,096,895	915,176	866,753	1,049,292	784,234	884,972	903,797	1,086,584	12,399,758
Total	1,292,794	1,184,250	1,401,393	1,257,452	1,165,127	965,514	944,195	1,188,974	830,302	952,286	978,538	1,155,179	13,316,004



UPDATE ITEM C

DATE: January 26, 2023
TO: Aviation Advisory Board
FROM: Rufus A. James, Airport Director
SUBJECT: December 2022 Arrearages




Rent

There are no arrearages to report.

Fuel Flowage

There are no arrearages to report.

UPDATE ITEM E.I.

DATE: January 26, 2023
TO: Aviation Advisory Board
FROM: Rufus A. James, Airport Director 
SUBJECT: Solicitation No. 12666-623 Fort Lauderdale Executive Airport Midfield Run-up Expansion Project No. 12474 - Examine "Similar Scope and Scale" Language for Future FXE Construction Solicitations

As the Board may recall from the December 1, 2022 Aviation Advisory Board meeting, Staff recommended contract award for the Midfield Run-up Expansion Project to Weekley Asphalt Paving, Inc. (Weekly). Danto Builders (Danto) was the lowest bidder but was not selected due to their lack of airport experience. Weekley, on the other hand, had the experience necessary and their bid total was more in line with the City Engineer's estimate.

The Board questioned the fairness of how the solicitation was written and asked to see the solicitation. The solicitation was emailed to the members individually and the bid tabulation is attached as Exhibit 1.

On December 7, 2022, Danto made a public records request for minutes of the December 1st, 2022 Board meeting. On December 9, 2022, Staff received e-mail correspondence from Danto indicating that they understood the decision for not being selected and would not be inquiring any further about Solicitation No. 12666-623 for the Airport Midfield Run-up Expansion Project. They also expressed their interest to hopefully submit bids in the future for other Airport related projects.

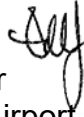
UPDATE ITEM E.I.
EXHIBIT 1

Bid #12666-623 Fort Lauderdale Executive Airport Midfield Run-up Expansion (P12474)
Lot: BASE BID

Item #	Item	Qty	Unit	Danto Builders		WEEKLEY ASPHALT PAVING INC.		General Asphalt Co Inc	
				Price	Total	Price	Total	Price	Total
12666-623-01-01	Contractor Quality Control Program (CQCP) (C-100)	1	lump sum	18000	18000	61790	61790	10000	10000
12666-623-01-02	Temporary Air and Water Pollution Soil Erosion and Siltation Control (C-102-5)	1	lump sum	24000	24000	15323	15323	10000	10000
12666-623-01-03	Mobilization/Demobilization (C-105-6.1)	1	lump sum	12000	12000	220000	220000	100000	100000
12666-623-01-04	Contractor Staging and Storage (C-105-6.2)	1	lump sum	24000	24000	45000	45000	25000	25000
12666-623-01-05	Full Depth Asphalt Pavement Removal (P-101-5.1)	700	square yard	18	12600	9.4	6580	15.9	11130
12666-623-01-06	Cold Milling 2-Inches (P-101-5.3a)	3000	square yard	5.1	15300	3.75	11250	3.71	11130
12666-623-01-07	Cold Milling Variable Depth (P-101-5.3b)	400	square yard	18	7200	8.5	3400	17.27	6908
12666-623-01-08	Remove Existing Asphalt Pavement Milling Piles and Process for Reuse (P-101-5.4)	1000	cubic yard	22.01	22010	28	28000	30.12	30120
12666-623-01-09	Stripping (P-151-2.4)	3	acre	8400	25200	3334	10002	6336	19008
12666-623-01-10	Unclassified Excavation (P-152-4.1)	10100	cubic yard	26.4	266640	24	242400	21.12	213312
12666-623-01-11	Placement of Millings for Surface Stabilization (P-152-4.2)	1800	square yard	6.8	12240	8.33	14994	15.84	28512
12666-623-01-12	Subbase Course (6-Inch depth) (P-154-5.1)	5400	square yard	6.9	37260	7.9	42660	21.12	114048
12666-623-01-13	Lime Rock Base Course (6-Inch depth) (P-211-5.1a)	5400	square yard	27.6	149040	20.97	113238	36.96	199584
12666-623-01-14	Lime Rock Base Course (8-Inch depth) (P-211-5.1b)	500	square yard	30	15000	30.58	15290	36.96	18480
12666-623-01-15	Asphalt Mix Pavement (P-401-8.1)	2000	ton	177.6	355200	168.5	337000	181.29	362580
12666-623-01-16	Portland Cement Concrete Pavement (P-501-8.1)	150	cubic yard	362.8	54420	1010	151500	738.1	110715
12666-623-01-17	Emulsified Asphalt Prime Coat (P-602-5.1)	1100	gallon	14.67	16137	5	5500	9.37	10307
12666-623-01-18	Emulsified Asphalt Tack Coat (P-603-5.1)	500	gallon	23.28	11640	9	4500	6.93	3465
12666-623-01-19	Joint Sealing Filler (P-605-5.1)	250	linear foot	12	3000	57	14250	56.1	14025
12666-623-01-20	Surface Preparation of New Pavement Surfaces (P-620-5.1a)	5400	square foot	1.96	10584	0.5	2700	0.79	4266
12666-623-01-21	Surface Preparation of Pavement Markings Prior to Remarking (P-620-5.1b)	7700	square foot	1.2	9240	0.5	3850	0.79	6083
12666-623-01-22	Permanent Markings with Type III Beads (P-620-5.2a)	3300	square foot	3.6	11880	3.2	10560	3.14	10362
12666-623-01-23	Permanent Markings with no Beads (P-620-5.2b)	2100	square foot	2.4	5040	1.9	3990	1.8	3780
12666-623-01-24	Temporary Markings without Beads (P-620-5.4)	1100	square foot	4.8	5280	4.4	4840	4.35	4785
12666-623-01-25	Sodding (With 30-day Irrigation Period) (T-904-5.1)	8800	square yard	2.73	24024	6.46	56848	5.78	50864
12666-623-01-26	Airport Safety and Maintenance of Traffic (S-102-5.1)	1	lump sum	18000	18000	195000	195000	247000	247000
12666-623-01-27	Wildlife Burrow Protection (S-102-5.2)	6	each	500	3000	100	600	550	3300
12666-623-01-28	Jet Blast Deflector for Taxi/Breakaway Velocities (S-104-1)	1	lump sum	200328	200328	217680	217680	231536.8	231536.8
12666-623-01-29	Foundation of Jet Blast Deflector for Taxi/ Breakaway Velocities (S-104-2)	1	lump sum	21720	21720	84850	84850	70947.47	70947.47
12666-623-01-30	High Performance Turf Reinforcement Mat (S-105-7.1)	300	square yard	200	60000	106.9	32070	35	10500
12666-623-01-31	High Density Poly Ethylene (HDPE) Mat (S-106-7.1)	300	square yard	200	60000	21	6300	35	10500
BASE TOTAL				\$1,509,983.00		\$1,961,965.00		\$1,952,248.27	
ALTERNATES									
12666-623-02-01	Jet Blast Deflector for High Power Run-ups (S-103-1)	1	lump sum	248388	248388	265295	265295	292366.5	292366.53
12666-623-02-02	Foundation of Jet Blast Deflector for High Power Run-ups (S-103-2)	1	lump sum	45720	45720	97400	97400	83281.29	83281.29
12666-623-02-03	Concrete Spall Repair (P-101-5.2)	500	square foot	25	12500	120	60000	283.8	141900
ALTERNATES TOTAL				\$306,608.00		\$422,695.00		\$517,547.82	
BASE + ALTERNATES				\$1,816,591.00		\$2,384,660.00		\$2,469,796.09	

UPDATE ITEM E.II

DATE: January 26, 2023
TO: Aviation Advisory Board
FROM: Rufus A. James, Airport Director
BY: Carlton M. Harrison, Assistant Airport Director
SUBJECT: Airport Leasing Policy



Airport Guidance Documents are adopted to promote, protect, and improve the health, safety, and general welfare of the Airport and its users. These guidance documents make known the minimum requirements that must be met by anyone desiring to conduct an aeronautical activity or business on the Airport.

By adopting these standards, we can ensure that a high level of quality and service is maintained by any person offering or desiring to offer aeronautical services, as well as provide a basis for determining that all operators and potential operators are treated in a fair manner.

As the Airport has developed and the Aviation Industry has evolved over the years, it has become necessary to develop a standardized approach to the administration of aeronautical and non-aeronautical leases. By creating a formal Airport Leasing Policy, we can ensure the future development of the Airport will continue to be of the highest quality.

For several months, the Airport has developed a draft version of an Airport Leasing Policy. The process involved extensive research by Airport staff in gathering modern and acceptable practices at other similar airports, consulting with the City Attorney's Office (City), and working with the law firm of Kaplan Kirsch & Rockwell LLP (The Firm). The Firm is the largest airport law practice in the country with a comprehensive understanding of the airport industry.

We are aware of the possibility that each aviation Prime Lessee at the Airport might be impacted by the new leasing policy, so a draft version will be provided to each Prime Lessee for review to solicit their feedback. Once the tenants have given us their feedback we will consult with The Firm and City to finalize a fair and reasonable Airport Leasing Policy. Staff will present our recommendation to the Aviation Advisory Board for their review and discussion prior to presenting the Airport Leasing Policy to the City Commission for approval.

UPDATE ITEM E.III.

DATE: January 26, 2023
TO: Aviation Advisory Board
FROM: Rufus A. James, Airport Director 
SUBJECT: Florida Department of Transportation 2022 Aviation Economic Impact Study

The Florida Department of Transportation (FDOT) Aviation and Spaceports Office recently completed a statewide Economic Impact Study (EIS) of Florida's airports, which quantifies and communicates the economic contributions of aviation to Florida (Exhibit 1).

This Study is the fifth iteration of FDOT's Statewide Aviation EIS since 2000. The Study focuses on economic activities such as on-airport business activity, non-aviation business on airport property, capital improvements, and out-of-state visitor spending.

The economic impact of Florida's aviation system also extends beyond airport property boundaries, with businesses throughout Florida depending on airports for transportation and logistical services. As you are aware, airports offer significant economic contributions to our communities by supporting jobs, generating payroll, and triggering spending at the local, regional, and state levels.

The Study accumulated data from 2021/2022, and the results indicated that Florida's public-use and military airports generated \$336 billion in economic output to the state's economy, supported over 2 million jobs, and contributed \$109 billion in payroll to Florida's economy. The overall economic impact for the entire state represents a 92% increase from the 2019 Study.

Furthermore, the results from the Study places Fort Lauderdale Executive Airport (FXE) in a desirable position with job creation at 22,959 jobs, payroll at \$1.2 billion, and an overall economic impact of \$3.9 billion. Based on the information listed in the Study, FXE ranks Number 1 in jobs, payroll and annual impact statewide among General Aviation airports. The overall economic impact for FXE represents a 95% increase from the 2019 Study (Exhibit 2).

Among the 125 comprised airports in the Study, which include commercial service airports, FXE ranks at Number 7 statewide overall. Orlando, Miami, and Fort Lauderdale/Hollywood international airports are ranked 1, 2, and 3 respectively (Exhibit 3).

It goes without saying that none of this could be possible without the commitment of the Airport tenants, aircraft owners, and business operators who continue to invest in the growth and development of FXE. During the last four years tenants have invested more than \$100 million in capital improvements at the Airport.

We are very proud of the progress made since the 2019 Study and realize that Fort Lauderdale Executive Airport is an economic engine and a critical link to essential services. We will continue to ensure that FXE is a contributor to the City's thriving tourism

industry and will facilitate business travel by maintaining an airport that provides the best amenities and service for generations to come.

In coordination with the City's Strategic Communications Office, we will prepare a promotional video focusing on FXE's economic impact and the contribution of General Aviation to the U.S. economy.

FLORIDA DEPARTMENT OF TRANSPORTATION



Statewide Executive Summary

2022



FLORIDA AVIATION: EXCELLENCE IN FLIGHT

Florida's Aviation System Remains Dominantly Strong – Setting a New Standard of Excellence for Aviation Systems Across the Globe

Florida is home to numerous world-renowned tourist destinations, diverse economic sectors, and significant military installations, creating a rich environment for tourism, business, and defense activity to flourish in the state. In 2021, Florida attracted almost **122 million visitors, including 4.5 million from international locations**. Of these total visitors, 36 percent arrived through one of Florida's world class airports. So far in 2022, the number of visitors is up 15 percent from 2021, indicating that Florida may finish the year with over 140 million total visitors and over 50 million traveling via air. Additionally, Florida's **22 Fortune 500 companies** and robust workforce of almost **10 million** demonstrates the state's commitment to fostering business growth. The record-level activity that Florida is experiencing has been supported by the state's expansive airport system that not only provides critical transportation services for visitors and residents, but provides employment and economic development opportunities for all Florida businesses.

Florida's aviation system consists of over 125 public-use airports, including 19 primary commercial service airports. These facilities support a wide range of business activity occurring in and around airports, contributing to an environment that is primed for continued economic prosperity. To provide an updated snapshot of the economic contribution of Florida's airport system, the Florida Department of Transportation Aviation Office (FDOT AO) commissioned the 2022 FDOT Aviation Economic Impact Study (2022 AEIS). The 2022 AEIS measured that Florida's airport system contributed **\$336 billion** in total economic impacts (output) to the state's economy. These impacts supported over **two million jobs**, **\$109 billion in payroll**, and **\$170 billion in value added**.



TOTAL ECONOMIC IMPACT (OUTPUT)

ON-AIRPORT



VISITOR SPENDING



OFF-AIRPORT AIR CARGO



MILITARY AVIATION



INDUSTRY RELIANCE



On-Airport Impacts

Florida's Airport Administration, Tenants, and Capital Improvements are the Foundation of Aviation Economic Impact

One of the most recognizable components of Florida's aviation economic impact is generated from activity on airport property. This includes the employment and capital spending from airports and on-airport business tenants. Multiplier impacts including supplier sales and income re-spending are also included in the presentation of on-airport economic impacts. Most multiplier impacts generated by on-airport businesses are supplier sales and income re-spending that occur off-airport. Across the state, **Florida's airports directly employ over 18,000 people** and are home to **over 5,000 businesses**. These businesses vary from aviation-related businesses, such as airlines, to non-aviation-related businesses, such as government offices. **These on-airport businesses directly employ an additional 164,000 people.** The 2022 AEIS quantified the impacts of on-airport employment and found that statewide, on-airport impacts generated 398,611 jobs, \$23.6 billion in payroll, \$40.3 billion in value added, and \$77.2 billion in economic impact (output). **These figures include \$10.6 billion in airport administration impacts, \$68.5 billion in airport tenant impacts, and \$6.7 billion in construction impacts.**



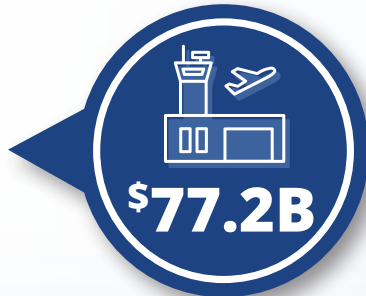
398,600
JOBS



\$23.6B
PAYROLL



\$40.3B
VALUE ADDED



\$77.2B
ECONOMIC IMPACT
(OUTPUT)

Note: definition of economic impact terms provided on page 15 of this brochure



Visitor Spending Impacts

Out-of-State Visitors Contribute Significant Economic Impact

Florida's airports serve as a gateway to the state for business and leisure travelers. Airports are often the first and last impression visitors have of the state and help influence repeat visitors. In 2021, Florida attracted over **122 million visitors, including over 117 million from domestic locations**. Of these visitors, over one-third arrived at one of Florida's commercial service airports and another 4.6 million arrived via one of the state's general aviation airports. Visitors support our state's economy by spending money on a variety of goods and services, including accommodations, food, and entertainment. Visitor spending impacts are reflective only of out-of-state visitors and do not quantify spending by Florida residents. The 2022 AEIS evaluated the impacts of out-of-state visitors and found that, statewide, visitor spending impacts generated 766,721 jobs, \$30.3 billion in payroll, \$52.9 billion in value added, and \$94.4 billion in economic impact (output). **Of the \$94.4 billion in impacts, \$85.9 billion are associated with travelers using one of Florida's commercial service airports while the remaining \$8.5 billion is associated with travelers using a general aviation airport.**



766,700
JOBS



\$30.3B
PAYROLL



\$52.9B
VALUE ADDED



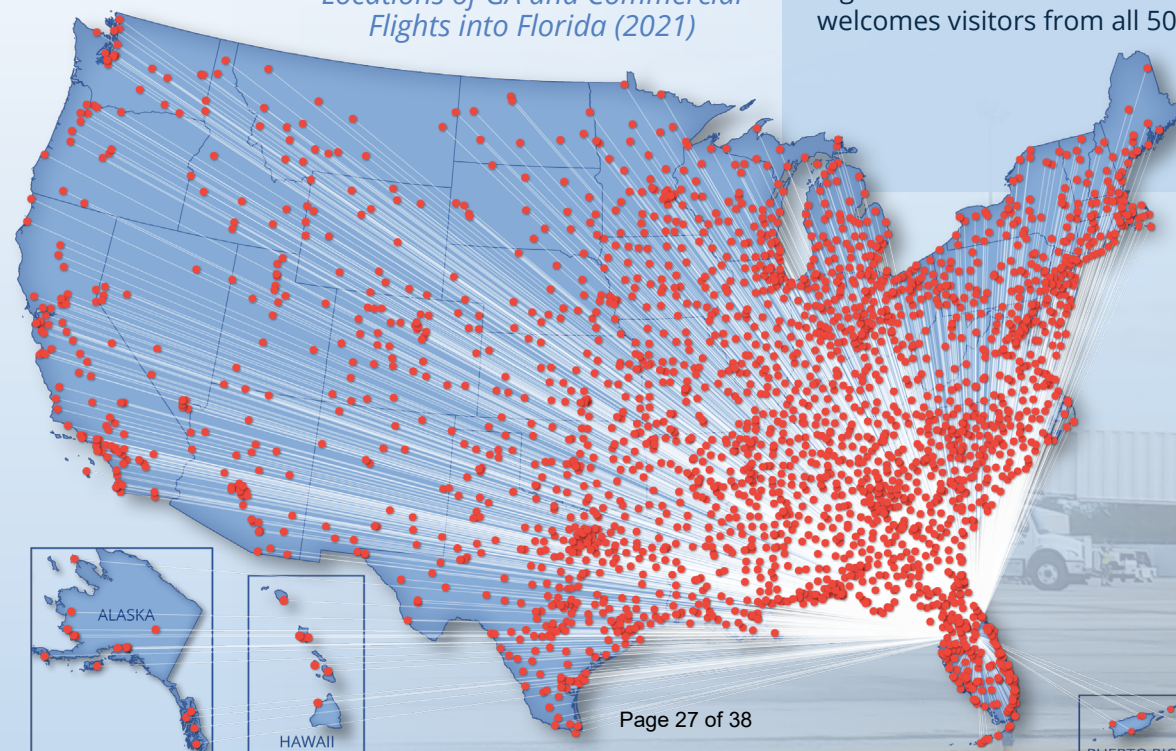
\$94.4B
ECONOMIC IMPACT
(OUTPUT)

Note: definition of economic impact terms provided on page 15 of this brochure

Florida Airports: A Connection to the World

Florida welcomes millions of out-of-state visitors every year, and our airports are there to greet them. The map below shows all of the domestic locations providing flights into the Sunshine State. Across the state, Florida welcomes visitors from all 50 states, including 2,509 unique out of state airports as well as 504 unique international airports.

Locations of GA and Commercial Flights into Florida (2021)

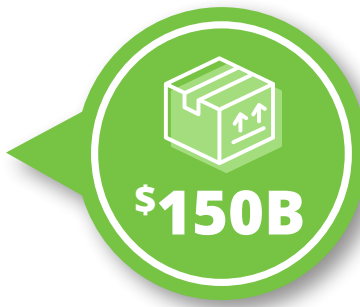
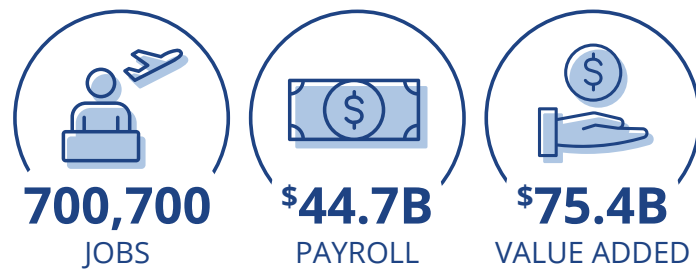


For the first time ever as part of a statewide economic impact study, the 2022 AEIS conducted over 10 weeks of in-person surveying at four general aviation airports. Over 1,100 surveys were collected at Naples Airport (APF), Boca Raton Airport (BCT), Lakeland Linder International Airport (LAL) and Lake City Gateway Airport (LCQ).

Off-Airport Air Cargo Impacts

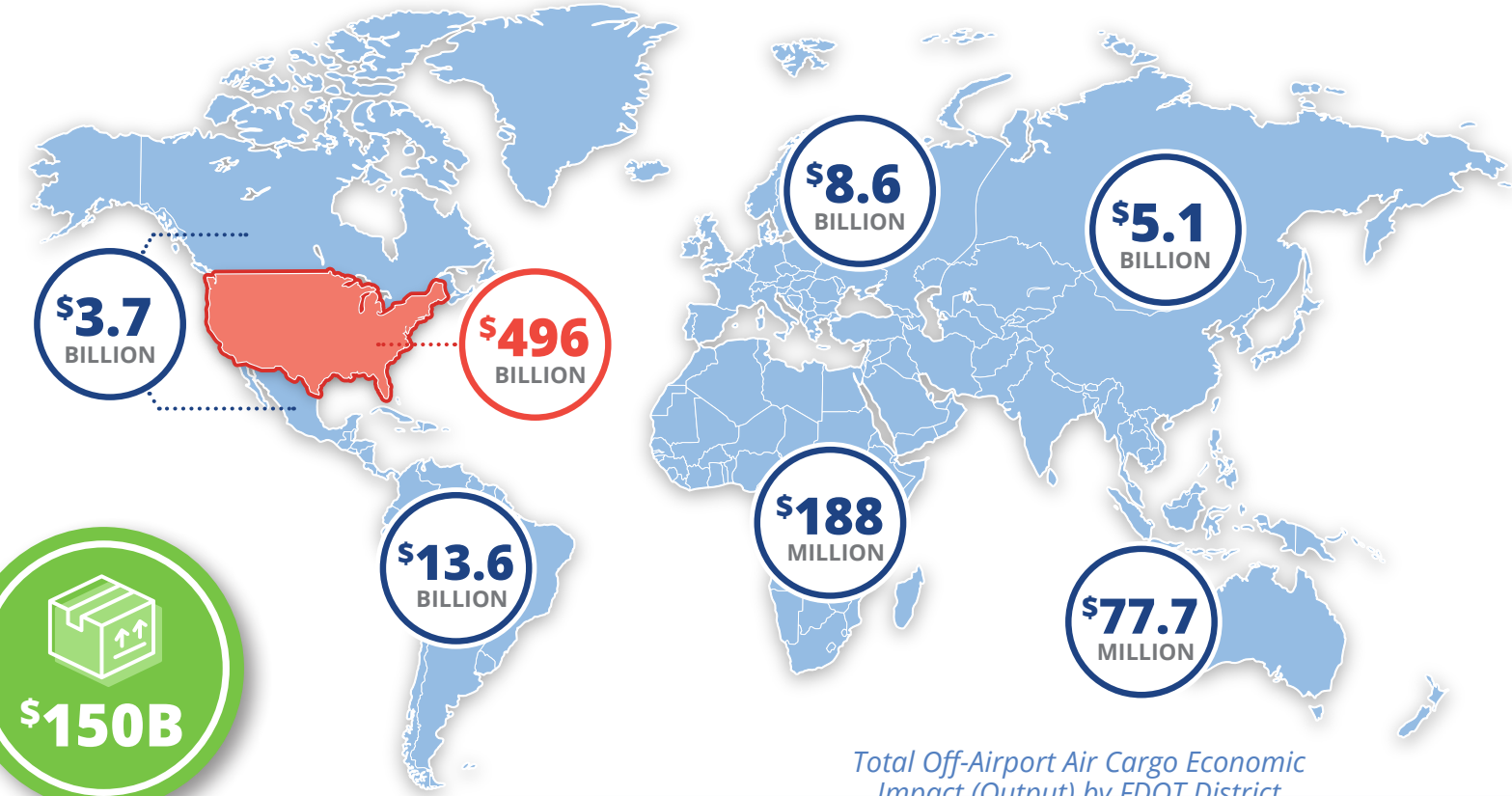
Florida's Airports Connect the State's Industries to Markets Around the World

Air cargo is a major economic driver for Florida, with airports providing an efficient and convenient method of transporting a variety of goods in large volumes. FDOT has measured the economic impact and dependency of air cargo to Florida businesses over the past decade, most recently with the 2016 Air Cargo Study. Many of the trends identified in the 2016 study still exist today, like the rise of e-commerce. However, in recent years, improvements in supply chains and logistics have rapidly expanded the use of air cargo across the nation, including in Florida. Across our state, airports deliver critical support to industries by enabling businesses to transport commodities and finished goods both *from* suppliers and *to* customers. **Air cargo services provided by Florida's airports connect both long-distance domestic and international markets to companies in the state - positioning Florida as a global business leader.** These services enable Florida-based companies to expand customer markets and acquire commodities used for production or to create opportunities for sales around the world. Expanding customer markets through outgoing air cargo generates increased business sales, which in turn brings dollars from other states or nations into Florida. The state's prime location in the southeast U.S. positions us as a **global gateway for air cargo activity with Latin America and the Caribbean.** The 2022 AEIS evaluated how Florida's off-airport industries rely on cargo transported through Florida's airports. The 2022 AEIS examined the economic contribution of air cargo on both the statewide and FDOT District level. Statewide, off-airport air cargo impacts supported 700,738 jobs, \$44.7 billion in payroll, \$75.4 billion in value added, and \$150 billion in economic impact (output).

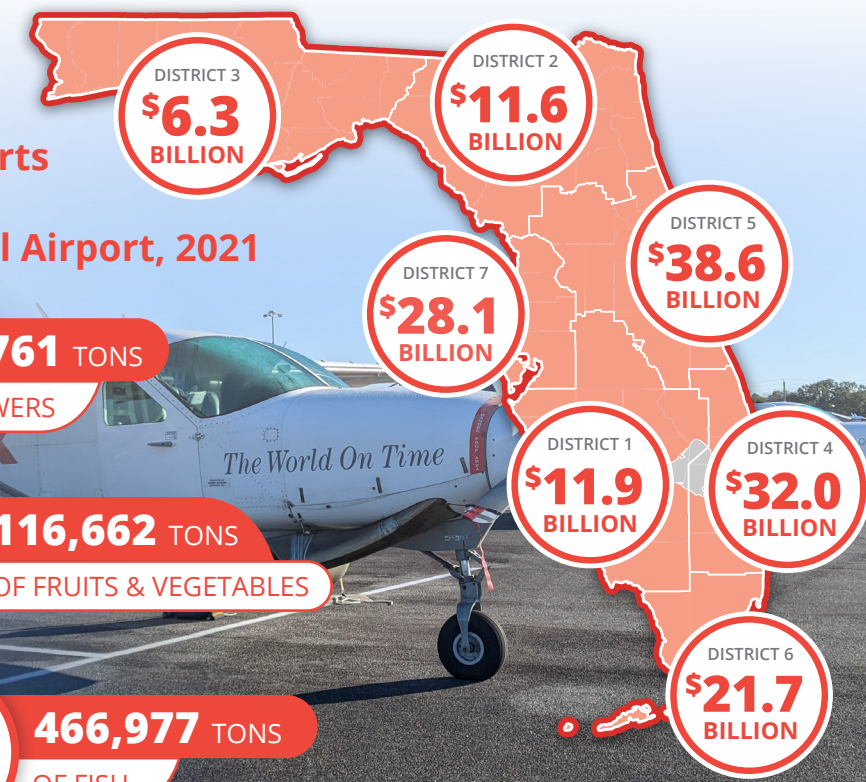


Note: definition of economic impact terms provided on page 15 of this brochure

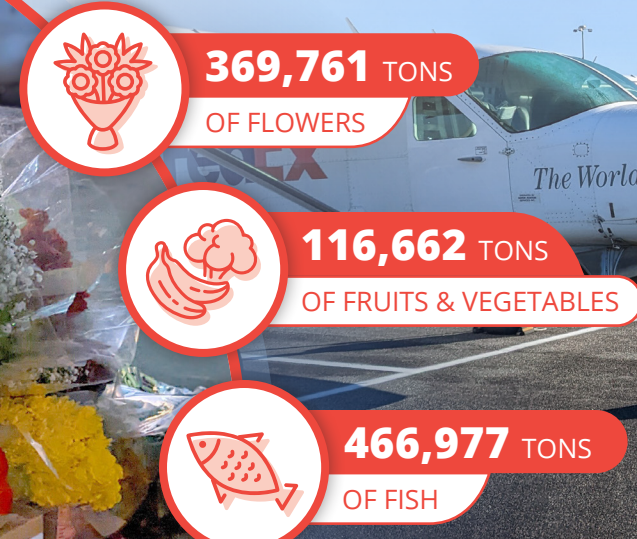
Total Value of International and Domestic Imports and Exports to Florida



Total Off-Airport Air Cargo Economic Impact (Output) by FDOT District



Florida's Cargo Imports Through Miami International Airport, 2021



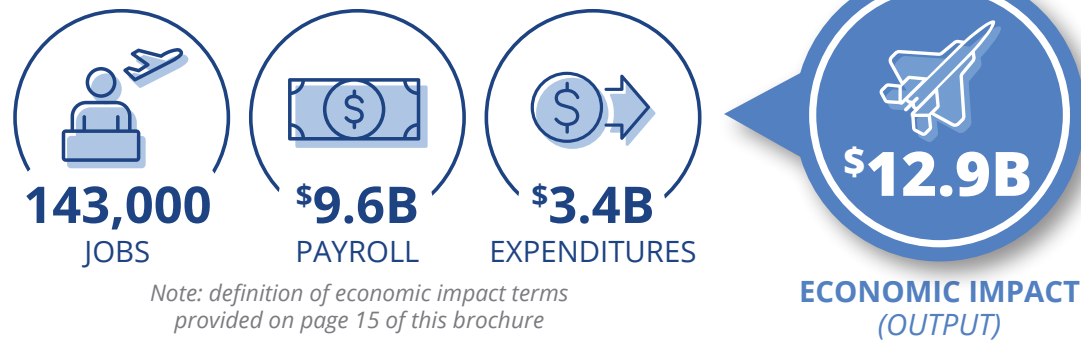
Over 990,000 tons of imported perishables!



Military Aviation Impacts

Florida's Military Aviation Installations Contribute to National Defense and the State's Economy

Florida's military system includes 11 military aviation installations, **which each serve a critical role in supporting the United States' national defense system as well as active military troops both at home and abroad.** The favorable year-round climate and considerable room for over-water operations make Florida ideal for military training operations, space launches, and other missions stateside. The U.S. military has a strong history in Florida, beginning with the first ever permanent U.S. Naval Air Station in Pensacola. Florida's modern military aviation installations are situated in every corner of the Sunshine State from the Florida Panhandle, to the north Florida Atlantic coast, down the Space Coast, and all the way to the Florida Keys, protecting the southernmost point of the continental United States. Given the immense military activity occurring across the state, the 2022 AEIS measured the economic impact of Florida's 11 military aviation installations to the state's economy. Statewide, military impacts generated 143,018 jobs, \$9.6 billion in payroll, \$3.4 billion in expenditures, and \$12.9 billion in economic impact (output).



Note: definition of economic impact terms provided on page 15 of this brochure

Note: Value added was not calculated for military aviation impacts. Instead, expenditures are used to describe military aviation impacts, along with jobs, payroll, and economic impact (output).

Eglin Air Force Base hosts over 16,000 personnel as well as some of the Air Force's elite aircraft, including the F-35 Lightning II Joint Strike Fighter. In 2021, Eglin generated over \$2 billion in economic impact for Florida!

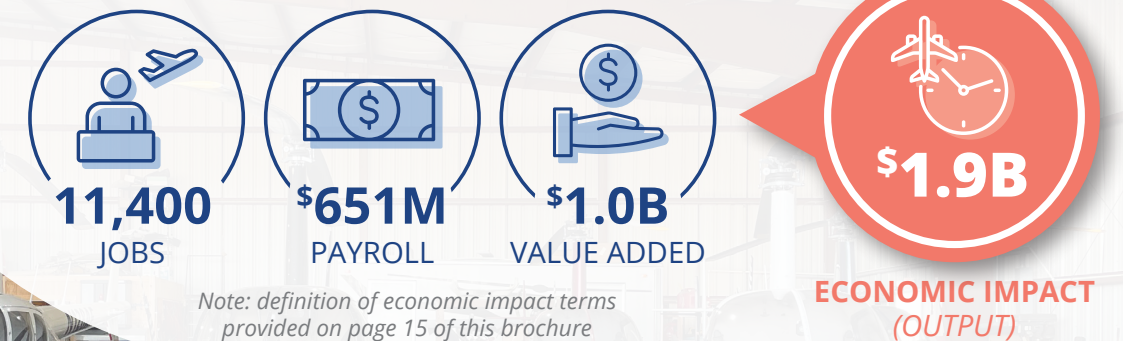
Naval Air Station Pensacola is home to over 23,000 personnel as well as the world-famous Blue Angels, a squadron of F-18 fighters that perform at several airshows across the country. In 2021, NAS Pensacola generated over \$1.3 billion in economic impact for Florida!

Industry Reliance Impacts

Numerous Industries in the State Rely on Florida's Airports to Conduct Business

Florida provides a nationally-recognized environment to conduct business. Home to 22 Fortune 500 companies, the third largest workforce, and the second largest foreign trade zone network in the U.S., Florida provides a robust climate for businesses to flourish in the state. Florida's airports provide a key resource to businesses by enabling quick transportation of company personnel for Florida-based businesses.

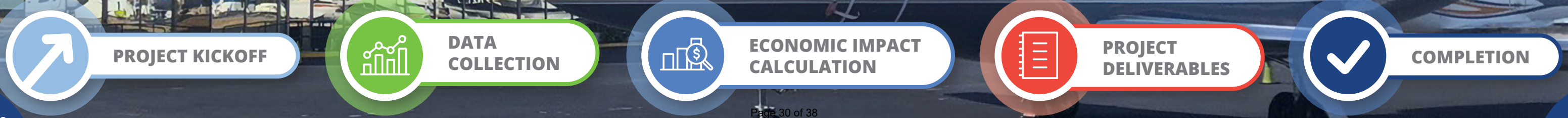
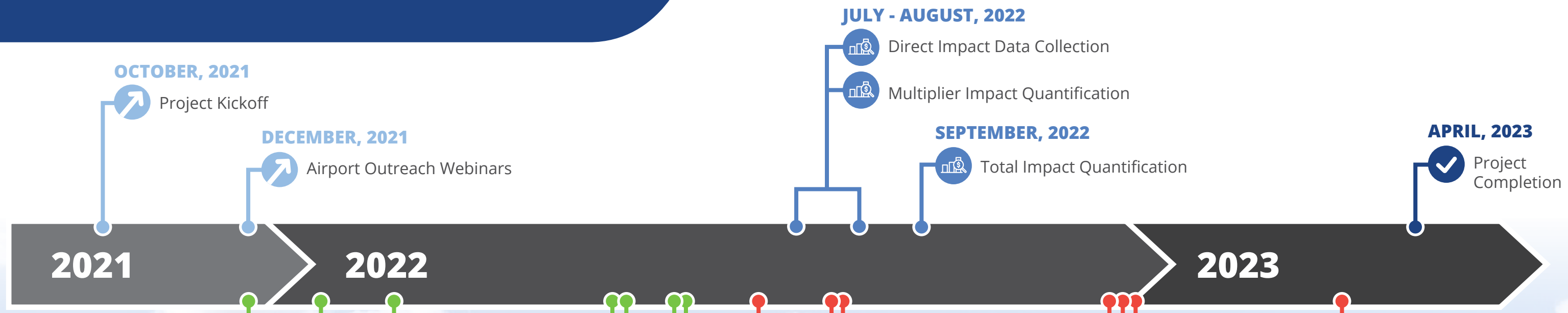
The 2022 AEIS quantified this reliance through an online surveying effort completed among businesses that either base an aircraft at a Florida airport and/or frequently use an airport to access the state. Statewide, industry reliance impacts generated 11,387 jobs, \$650 million in payroll, \$1.0 billion in value added, and \$1.9 billion in economic impact (output). The top five industries that rely on airports are provided below along with the corresponding economic impact that airports support for that industry.



Note: definition of economic impact terms provided on page 15 of this brochure

TOP AVIATION RELIANT BUSINESSES





Total impacts by airport are shown below. Airport impacts are alphabetical by airport name, organized by FDOT District.

2022 Total Airport Economic Impacts

Airport Name	FAA ID	Associated City	Jobs	Payroll	Value Added	Economic Impact (Output)
District 1						
Airglades Airport	2IS	Clewiston	110	\$6.2M	\$8.8M	\$15.3M
Arcadia Municipal Airport	X06	Arcadia	72	\$3.8M	\$6.0M	\$11.2M
Avon Park Executive Airport	AVO	Avon Park	81	\$5.0M	\$7.4M	\$13.9M
Bartow Executive Airport	BOW	Bartow	1,908	\$109M	\$170M	\$345M
Buchan Airport	X36	Englewood	6	\$53K	\$67K	\$103K
Chalet Suzanne Air Strip	X25	Lake Wales	0	\$33K	\$43K	\$73K
Everglades Airpark	X01	Everglades City	13	\$757K	\$1.1M	\$2.1M
Immokalee Regional Airport	IMM	Immokalee	272	\$15.2M	\$24.6M	\$50.3M
Jack Browns Seaplane Base	F57	Winter Haven	27	\$573K	\$723K	\$1.1M
La Belle Municipal Airport	X14	LaBelle	101	\$4.7M	\$7.8M	\$15.7M
Lake Wales Municipal Airport	X07	Lake Wales	258	\$15.3M	\$22.2M	\$39.7M
Lakeland Linder International Airport	LAL	Lakeland	8,332	\$410M	\$698M	\$1.4B
Manatee Airport	48X	Palmetto	5	\$160K	\$221K	\$418K
Marco Island Executive Airport	MKY	Naples	1,950	\$80.5M	\$136M	\$258M
Naples Municipal Airport	APF	Naples	5,454	\$261M	\$427M	\$781M
Okeechobee County Airport	OBE	Okeechobee	894	\$43.1M	\$73.3M	\$153M
Page Field	FMY	Fort Myers	3,443	\$157M	\$250M	\$465M
Punta Gorda Airport	PGD	Punta Gorda	11,319	\$541M	\$902M	\$1.7B
River Ranch Resort Airport	2RR	River Ranch	4	\$282K	\$377K	\$649K
Sarasota/Bradenton International Airport	SRQ	Sarasota	23,009	\$1.0B	\$1.7B	\$3.2B
Sebring Regional Airport	SEF	Sebring	2,303	\$107M	\$194M	\$421M
Shell Creek Airpark	F13	Punta Gorda	42	\$3.6M	\$4.5M	\$7.7M
South Lakeland Airport	X49	Mulberry	13	\$693K	\$1.0M	\$2.4M
Southwest Florida International Airport	RSW	Fort Myers	60,485	\$2.7B	\$4.5B	\$8.3B
Venice Municipal Airport	VNC	Venice	1,399	\$61.9M	\$102M	\$198M
Wauchula Municipal Airport	CHN	Wauchula	58	\$2.9M	\$4.6M	\$8.6M
Winter Haven Regional Airport	GIF	Winter Haven	600	\$27.0M	\$46.2M	\$88.1M
TOTALS			122,158	\$5.6B	\$9.4B	\$17.4B
District 2						
Cecil Airport	VQQ	Jacksonville	8,164	\$523M	\$803M	\$1.9B
Cross City Airport	CTY	Cross City	50	\$2.4M	\$4.1M	\$7.7M
Fernandina Beach Municipal Airport	FHB	Fernandina Beach	1,724	\$71.9M	\$120M	\$219M
Flying Ten Airport	OJ8	Archer	1	\$53K	\$94K	\$178K
Gainesville Regional Airport	GNV	Gainesville	3,557	\$168M	\$282M	\$556M
George T Lewis Airport	CDK	Cedar Key	15	\$450K	\$758K	\$1.4M
Herlong Recreational Airport	HEG	Jacksonville	515	\$25.5M	\$41.7M	\$80.0M
Hilliard Airpark	01J	Hilliard	18	\$630K	\$1.1M	\$2.4M
Jacksonville Executive At Craig Airport	CRG	Jacksonville	1,656	\$69.7M	\$112M	\$217M

Airport Name	FAA ID	Associated City	Jobs	Payroll	Value Added	Economic Impact (Output)
District 2						
Jacksonville International Airport	JAX	Jacksonville	22,464	\$1.0B	\$1.7B	\$3.2B
Keystone Heights Airport	42J	Starke	439	\$18.0M	\$30.2M	\$56.4M
Lake City Gateway Airport	LCQ	Lake City	3,423	\$215M	\$356M	\$920M
Northeast Florida Regional Airport	SGJ	St. Augustine	3,888	\$285M	\$465M	\$1.4B
Oak Tree Landing Airport	6J8	Newberry	3	\$36K	\$56K	\$155K
Palatka Municipal - Lt Kay Larkin Field	28J	Palatka	89	\$5.0M	\$8.0M	\$19.3M
Perry-Foley Airport	FPY	Perry	33	\$1.4M	\$2.4M	\$4.6M
Suwannee County Airport	24J	Live Oak	356	\$19.5M	\$29.9M	\$46.9M
Williston Municipal Airport	X60	Williston	3,311	\$203M	\$377M	\$859M
TOTALS			49,706	\$2.7B	\$4.3B	\$9.4B
District 3						
Apalachicola Regional-Cleve Randolph Field	AAF	Apalachicola	109	\$4.8M	\$7.8M	\$16.6M
Bob Sikes Airport	CEW	Crestview	2,663	\$167M	\$279M	\$911M
Calhoun County Airport	F95	Altha	45	\$2.4M	\$4.2M	\$10.8M
Carrabelle-Thompson Airport	X13	Carrabelle	20	\$703K	\$1.1M	\$3.2M
Costin Airport	A51	Port St. Joe	2	\$65K	\$103K	\$202K
Defuniak Springs Airport	54J	Defuniak Springs	276	\$10.7M	\$18.5M	\$37.4M
Destin Executive Airport	DTS	Destin	3,043	\$111M	\$191M	\$390M
Destin - Fort Walton Beach Airport / Eglin Air Force Base	VPS	Eglin Air Force Base	12,888	\$507M	\$880M	\$1.6B
Fort Walton Beach Airport	1J9	Navarre	7	\$430K	\$711K	\$1.3M
Marianna Municipal Airport	MAI	Marianna	445	\$18.5M	\$31.6M	\$66.7M
Northwest Florida Beaches International Airport	ECP	Panama City Beach	11,570	\$447M	\$785M	\$1.5B
Pensacola International Airport	PNS	Pensacola	16,217	\$693M	\$1.2B	\$2.3B
Peter Prince Field	2R4	Milton	364	\$15.6M	\$25.6M	\$53.4M
Quincy Municipal Airport	2J9	Quincy	72	\$3.2M	\$5.1M	\$10.6M
Roscoe Field	82J	Pensacola	83	\$4.2M	\$6.0M	\$11.9M
St George Island Airport	F47	Saint George Island	2	\$83K	\$145K	\$284K
Tallahassee International Airport	TLH	Tallahassee	3,771	\$161M	\$277M	\$527M
Tri-County Airport	BCR	Bonifay	38	\$1.9M	\$2.9M	\$6.2M
Wakulla County Airport	2J0	Panacea	2	\$46K	\$66K	\$112K
TOTALS			51,617	\$2.1B	\$3.7B	\$7.5B
District 4						
Belle Glade State Municipal Airport	X10	Belle Glade	60	\$2.9M	\$4.2M	\$8.1M
Boca Raton Airport	BCT	Boca Raton	4,843	\$219M	\$377M	\$693M
Downtown Fort Lauderdale Heliport	DT1	Fort Lauderdale	11	\$624K	\$803K	\$1.2M
Fort Lauderdale Executive Airport	FXE	Fort Lauderdale	22,959	\$1.2B	\$2.0B	\$3.9B
Fort Lauderdale/Hollywood International Airport	FLL	Fort Lauderdale	110,047	\$5.0B	\$8.8B	\$15.4B
Indiantown Airport	X58	Indiantown	60	\$4.5M	\$7.1M	\$18.6M
New Hibiscus Airpark	X52	Vero Beach	1	\$41K	\$69K	\$128K

Airport Name	FAA ID	Associated City	Jobs	Payroll	Value Added	Economic Impact (Output)
North Palm Beach County General Aviation Airport	F45	West Palm Beach	467	\$22.4M	\$36.5M	\$77.3M
North Perry Airport	HWO	Pembroke Pines	2,090	\$93.9M	\$150M	\$285M
Palm Beach County Glades Airport	PHK	Pahokee	33	\$1.7M	\$2.6M	\$5.7M
Palm Beach County Park Airport	LNA	Lantana	772	\$41.7M	\$67.7M	\$144M
Palm Beach International Airport	PBI	West Palm Beach	31,596	\$1.5B	\$2.5B	\$4.6B
Pompano Beach Airpark	PMP	Pompano Beach	2,597	\$126M	\$210M	\$410M
Sebastian Municipal Airport	X26	Sebastian	281	\$16.1M	\$24.6M	\$54.2M
Treasure Coast International Airport	FPR	Fort Pierce	3,356	\$164M	\$269M	\$547M
Vero Beach Regional Airport	VRB	Vero Beach	5,914	\$317M	\$488M	\$933M
Witham Field	SUA	Stuart	6,858	\$362M	\$599M	\$1.3B
TOTALS			191,945	\$9.1B	\$15.6B	\$28.5B
Arthur Dunn Air Park	X21	Titusville	88	\$4.3M	\$6.5M	\$12.3M
Bob White Field	X61	Mount Dora	5	\$215K	\$310K	\$694K
Daytona Beach International Airport	DAB	Daytona Beach	13,551	\$542M	\$953M	\$1.8B
Deland Municipal - Sidney H Taylor Field	DED	Deland	2,231	\$112M	\$200M	\$381M
Executive Airport	ORL	Orlando	4,078	\$186M	\$309M	\$577M
Flagler Executive Airport	FIN	Palm Coast	2,588	\$113M	\$234M	\$455M
Halifax River Sea Plane Base	F15	Holly Hill	5	\$260K	\$355K	\$702K
Kissimmee Gateway Airport	ISM	Kissimmee	6,346	\$293M	\$485M	\$946M
Leesburg International Airport	LEE	Leesburg	514	\$26.6M	\$41.1M	\$83.7M
Marion County Airport	X35	Dunnellon	784	\$40.8M	\$70.0M	\$140M
Massey Ranch Airpark	X50	Edgewater	30	\$1.7M	\$2.3M	\$4.6M
Melbourne Orlando International Airport	MLB	Melbourne	17,886	\$978M	\$1.7B	\$3.1B
Merritt Island Airport	COI	Merritt Island	451	\$21.2M	\$33.6M	\$62.0M
Mid-Florida Airport	X55	Eustis	7	\$183K	\$254K	\$493K
New Smyrna Beach Municipal Airport	EVB	New Smyrna Beach	1,701	\$79.5M	\$129M	\$241M
Ocala International-Jim Taylor Field	OCF	Ocala	1,274	\$56.1M	\$95.9M	\$181M
Orlando Apopka Airport	X04	Apopka	56	\$2.9M	\$4.2M	\$8.2M
Orlando International Airport	MCO	Orlando	309,918	\$13.0B	\$23.0B	\$41.4B
Orlando Sanford International Airport	SFB	Sanford	24,223	\$1.1B	\$1.9B	\$3.5B
Ormond Beach Municipal Airport	OMN	Ormond Beach	514	\$23.5M	\$37.9M	\$73.6M
Pierson Municipal Airport	2J8	Pierson	7	\$205K	\$255K	\$364K
Space Coast Regional Airport	TIX	Titusville	2,589	\$113M	\$189M	\$346M
St Cloud Seaplane Base	3FL	Saint Cloud	2	\$141K	\$197K	\$388K
Tavares Seaplane Base	FA1	Tavares	37	\$1.9M	\$2.7M	\$5.3M
Umatilla Municipal Airport	X23	Umatilla	129	\$8.8M	\$17.7M	\$31.0M
Valkaria Airport	X59	Valkaria	644	\$27.8M	\$46.0M	\$81.4M
TOTALS			389,658	\$16.7B	\$29.4B	\$53.4B

Airport Name	FAA ID	Associated City	Jobs	Payroll	Value Added	Economic Impact (Output)
Dade-Collier Training And Transition Airport	TNT	Ochopee	6	\$322K	\$444K	\$859K
Key West International Airport	EYW	Key West	11,086	\$527M	\$911M	\$1.6B
Miami Executive Airport	TMB	Miami	3,320	\$157M	\$260M	\$498M
Miami Homestead General Aviation Airport	X51	Homestead	276	\$13.5M	\$21.2M	\$38.4M
Miami International Airport	MIA	Miami	221,966	\$11.2B	\$19.8B	\$35.3B
Miami Seaplane Base	X44	Miami	14	\$1.1M	\$1.5M	\$2.4M
Miami-Opa Locka Executive Airport	OPF	Opa-Locka	5,288	\$271M	\$438M	\$841M
The Florida Keys Marathon International Airport	MTH	Marathon	1,713	\$80.2M	\$131M	\$235M
TOTALS			243,669	\$12.3B	\$21.5B	\$38.4B
Albert Whitted Airport	SPG	St. Petersburg	948	\$42.9M	\$68.6M	\$128M
Brooksville-Tampa Bay Regional Airport	BKV	Brooksville	6,091	\$327M	\$598M	\$1.3B
Clearwater Air Park	CLW	Clearwater	685	\$29.0M	\$48.2M	\$87.9M
Crystal River-Captain Tom Davis Field	CGC	Crystal River	476	\$21.1M	\$33.4M	\$54.7M
Inverness Airport	INF	Inverness	543	\$23.6M	\$38.7M	\$68.8M
Peter O Knight Airport	TPF	Tampa	759	\$31.8M	\$52.5M	\$102M
Pilot Country Airport	X05	Spring Hill	48	\$2.3M	\$3.4M	\$8.2M
Plant City Airport	PCM	Plant City	214	\$9.5M	\$14.8M	\$27.4M
St Pete-Clearwater International Airport	PIE	Clearwater	20,774	\$1.0B	\$1.8B	\$3.4B
Tampa Executive Airport	VDF	Tampa	3,411	\$133M	\$226M	\$434M
Tampa International Airport	TPA	Tampa	82,136	\$3.7B	\$6.3B	\$11.3B
Zephyrhills Municipal Airport	ZPH	Zephyrhills	490	\$28.3M	\$43.5M	\$89.6M
TOTALS			116,575	\$5.3B	\$9.2B	\$17.0B

The economic impacts of each airport and the state are defined by the total jobs, payroll, value added, and economic impact (output) generated by aviation in the state. These are defined as:



JOBS

The sum of full-time and part-time employees, and account for the total number of people employed as a result of the airport or company within a defined geography or industry.



PAYROLL

Total compensation for work, including gross wages, salaries, employer-provided benefits and taxes paid to governments on behalf of employees.



VALUE ADDED

Consists of compensation of employees, taxes paid on production and imports, and gross operating surplus. Value added equals the difference between an industry's gross output and the cost of its intermediate inputs.



ECONOMIC IMPACT (OUTPUT)

The value of sales or receipts and other operating income along with any inventory change (e.g., spoilage, breakage, or theft). It is the equivalent of value added plus the cost of all intermediate inputs (including energy, raw materials, semi-finished goods, and services) that are purchased from all sources/locations.

AEIS 2022

Florida Aviation Economic Impact Study . . .



AIRPORT ECONOMIC IMPACTS



22,959
JOBS



\$1.2B
PAYROLL



\$2.0B
VALUE ADDED

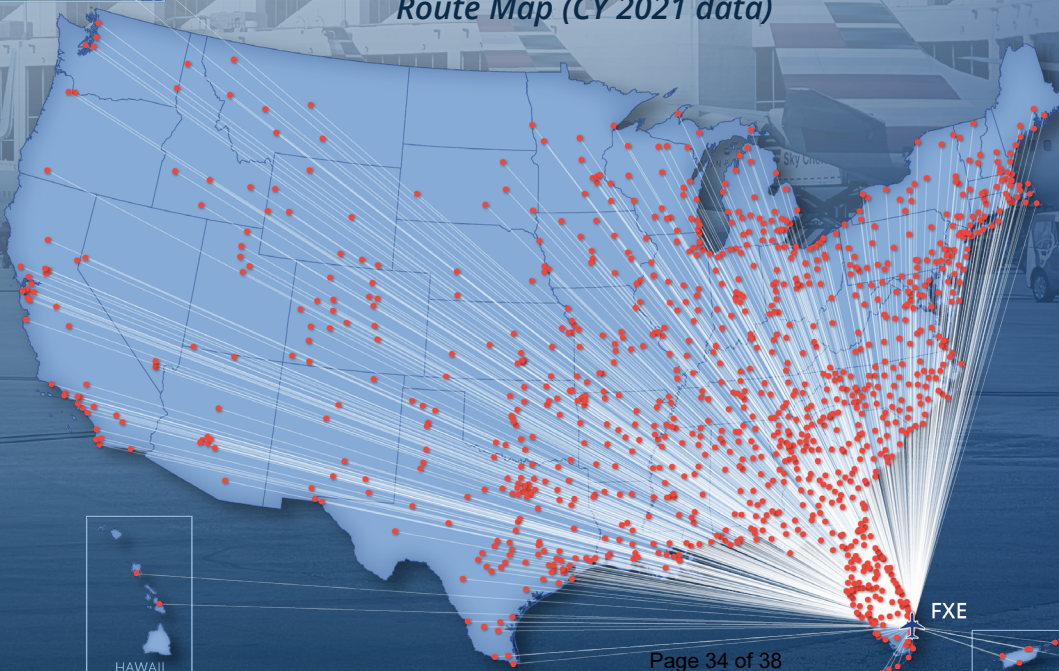
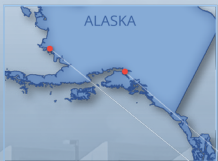


\$3.9B
ECONOMIC
IMPACT
(OUTPUT)

About Fort Lauderdale Executive Airport

Fort Lauderdale Executive Airport (FXE) is a Nonprimary commercial service airport located approximately five miles from Florida's Atlantic Coast and six miles north of downtown Fort Lauderdale. The airport has two intersecting paved runways (09/27, 13/31), the longest of which measures 6,002 feet long by 100 feet wide. FXE primarily serves corporate/business aviation. Four fixed-base operations (FBO) are onsite to support aircraft and their pilots and passengers, including the many high-profile travelers who arrive at the airport. Other aviation activities accommodated at FXE include flight training, air cargo, and law enforcement and wildlife protection operations. FXE is in a designated Foreign Trade Zone (FTZ 241) with an onsite U.S. Customs and Border Protection facility. This valuable designation provides duty reduction, deferral, or elimination on merchandise in the zone – bringing high-wage jobs and economic development into the county. The airport hosts many community activities such as the Fort Lauderdale Air Show, Uptown 5k On the Runway fundraiser, and career events to promote aviation to aspiring young professionals.

Fort Lauderdale Executive Airport
Route Map (CY 2021 data)



STATEWIDE ECONOMIC IMPACTS¹



2,009,088
JOBS



\$109B
PAYROLL



\$170B
VALUE ADDED



\$336B
ECONOMIC
IMPACT
(OUTPUT)

¹Totals include new off-airport air cargo impacts developed for this update



STUDY OVERVIEW

Florida's over 125 public-use airports are economic engines for the state, representing some of the largest aviation facilities in the world and providing critical transportation connections for their local communities. By supporting jobs both on- and off-airport property, Florida's airports support the infrastructure necessary for important activities such as manufacturing, logistics, tourism, and emergency response.

In 2021, Florida welcomed over 43 million out-of-state visitors through its commercial service airports and over 4.6 million visitors through its general aviation airports. Over 3,500 businesses operate at Florida's airports and their 161,000 direct employees create substantial economic impacts.

To help quantify and communicate these immense contributions, the FDOT Aviation Office initiated the development of the 2022 Florida Aviation Economic Impact Study. This study calculates each airport's annual monetary contribution to their local, regional, and statewide economies. This study determined that Florida's aviation system generated 2,009,088 jobs and contributed \$336 billion in 2021 to the state's economy, accounting for 13.5% of Florida's gross domestic product (GDP).²

²Totals include new off-airport air cargo impacts developed for this update



Credit: Fort Lauderdale Executive Airport



Credit: Fort Lauderdale Executive Airport

What is Economic Impact?

The economic impacts of each airport and the state are defined by the total jobs, payroll, value added, and economic impact (output) generated by aviation in the state. These are defined as:



JOBS

The sum of full-time and part-time employees, and account for the total number of people employed as a result of the airport or company within a defined geography or industry.



PAYROLL

Total compensation for work, including gross wages, salaries, employer-provided benefits and taxes paid to governments on behalf of employees.



VALUE ADDED

Consists of compensation of employees, taxes paid on production and imports, and gross operating surplus. Value added equals the difference between an industry's gross output and the cost of its intermediate inputs.



ECONOMIC IMPACT (OUTPUT)

The value of sales or receipts and other operating income along with any inventory change (e.g., spoilage, breakage, or theft). It is the equivalent of value added plus the cost of all intermediate inputs (including energy, raw materials, semi-finished goods, and services) that are purchased from all sources/locations.



OFF-AIRPORT AIR CARGO

Off-airport air cargo is a new component of this study which assesses the cargo activity that interacts with Florida's businesses and relies on Florida's airports. The off-airport air cargo component was developed to highlight Florida's diverse industries that depend on airports to support business activity.


Top Ten Florida Airports

	Airport Name	FAA ID	Associated City	Jobs	Payroll	Value Added	Economic Impact (Output)
1	Orlando International Airport	MCO	Orlando	309,918	\$13.0B	\$23.0B	\$41.4B
2	Miami International Airport	MIA	Miami	221,966	\$11.2B	\$19.8B	\$35.3B
3	Fort Lauderdale/Hollywood International Airport	FLL	Fort Lauderdale	110,047	\$5.0B	\$8.8B	\$15.4B
4	Tampa International Airport	TPA	Tampa	82,136	\$3.7B	\$6.3B	\$11.3B
5	Southwest Florida International Airport	RSW	Fort Myers	60,485	\$2.7B	\$4.5B	\$8.3B
6	Palm Beach International Airport	PBI	West Palm Beach	31,596	\$1.5B	\$2.5B	\$4.6B
7	Fort Lauderdale Executive Airport	FXE	Fort Lauderdale	22,959	\$1.2B	\$2.0B	\$3.9B
8	Orlando Sanford International Airport	SFB	Sanford	24,223	\$1.1B	\$1.9B	\$3.5B
9	St Pete-Clearwater International Airport	PIE	Clearwater	20,774	\$1.0B	\$1.8B	\$3.4B
10	Sarasota/Bradenton International Airport	SRQ	Sarasota	23,009	\$1.0B	\$1.7B	\$3.2B

Florida Airports

	Airport Name	FAA ID	Associated City	Jobs	Payroll	Value Added	Economic Impact (Output)
11	Jacksonville International Airport	JAX	Jacksonville	22,464	\$1.0B	\$1.7B	\$3.2B
12	Melbourne Orlando International Airport	MLB	Melbourne	17,886	\$978M	\$1.7B	\$3.1B
13	Pensacola International Airport	PNS	Pensacola	16,217	\$693M	\$1.2B	\$2.3B
14	Daytona Beach International Airport	DAB	Daytona Beach	13,551	\$542M	\$953M	\$1.8B
15	Key West International Airport	EYW	Key West	11,086	\$572M	\$911M	\$1.6B
16	Lakeland Linder International Airport	LAL	Lakeland	8,332	\$410M	\$698M	\$1.4B
17	Northeast Florida Regional Airport	SGJ	St. Augustine	3,888	\$285M	\$465M	\$1.4B
18	Brooksville-Tampa Bay Regional Airport	BKV	Brooksville	6,091	\$372M	\$598M	\$1.3B
19	Vero Beach Regional Airport	VRB	Vero Beach	5,914	\$317M	\$488M	\$933M
20	Treasure Coast International Airport	FPR	Fort Pierce	3,356	\$164M	\$269M	\$547M
21	Tallahassee International Airport	TLH	Tallahassee	3,771	\$161M	\$277M	\$527M
22	Space Coast Regional Airport	TIX	Titusville	2,589	\$113M	\$189M	\$346M
23	The Florida Keys Marathon International Airport	MTH	Marathon	1,713	\$80.2M	\$131M	\$235M
24	Ocala International-Jim Taylor Field	OCF	Ocala	1,274	\$56.1M	\$95.9M	\$181M
25	Winter Haven Regional Airport	GIF	Winter Haven	600	\$27.0M	\$46.2M	\$88.1M
26	Leesburg International Airport	LEE	Leesburg	514	\$26.6M	\$41.1M	\$83.7M
27	Immokalee Regional Airport	IMM	Immokolee	272	\$15.2M	\$24.6M	\$50.3M
28	Apalachicola Regional-Cleve Randolph Field	AAF	Apalachicola	109	\$4.8M	\$7.8M	\$16.6M

UPDATE ITEM E.IV

DATE: January 26, 2023
TO: Aviation Advisory Board
FROM: Rufus A. James, Airport Manager 
BY: Jeri Pryor, Airport Programs Manager
SUBJECT: Challenge Air for Kids and Friends, Inc., "Fly Day"

Challenge Air for Kids and Friends, "Fly Day"

The Executive Airport is honored to participate in the 2023 Challenge Air for Kids and Friends, Inc., "Fly Day" event hosted by Banyan Air Service. The Challenge Air Program offers children & youth with special needs *free* 30-minute plane rides. The single-engine airplanes will be flown by a group of about 15 volunteer pilots who are donating their time and services to the event. The Challenge Air "Event" Program focuses on the children's abilities and shows them through example the many possibilities available to them. Part of the flight experience will allow for each child with special needs to actually take the controls of the small plane to send the message that the sky is truly the limit not only at the Challenge Air event, but in life as well.

Please join us along with Banyan Air Service in celebrating Challenge Air for Kids and Friends, Inc., 30th year of building confidence and self-esteem in children with special needs. Through the generosity of pilots, aircraft owners and community members, over 70 participants will receive a once-in-a-lifetime experience on "Fly Day" here at FXE.

Please join us on:

Saturday, January 28, 2023
8:00 a.m. to 4:00 p.m.
Banyan Air Service North
1700 NW 62nd Street.
Fort Lauderdale, FL 33309

For more information on future Challenge Air for Kids and Friends events, to volunteer or contribute a gift, please visit www.challengeair.com. For additional information contact Leslie Horkin with Banyan Air Service at 954-492-3551, or email lhorkin@banyanair.com.

